REPUBLIKA HRVATSKA

Phone: +385 1 6259 373
+385 1 6259 372
+385 1 6259 381
AFS: LDZAYOYX
Email: aip@crocontrol.hr
URL: https://www.crocontrol.hr

HRVATSKA KONTROLA ZRAČNE PLOVIDBE

Hrvatska kontrola zračne plovidbe d.o.o.
Služba zrakoplovnog informiranja (AIM/AIS)
Rudolfa Fizira 2
10410 Velika Gorica, p.p. 103
Hrvatska

AIRAC AIP AMDT 004/2025
Na snazi od: 15 MAY 2025
Datum izdavanja: 03 APR 2025

1. Sadržaj izmjene:

GEN

- **GEN 0.2** - Ažurirana je Evidencija izmjena AIP-a
- **GEN 0.4** - Ažuriran je Kontrolni popis stranica AIP-a
- **GEN 0.5** - Ažuriran je Popis ručnih izmjena AIP-a
- **GEN 2.5** - Popis radionavigacijskih sredstava - CV L, GR L, VRS NDB - povučena

ENR

- **ENR 0.6** - Ažuriran je Sadržaj dijela 2
- **ENR 2.1** - FIR, UIR, TMA i CTA - ZAGREB TMA, SPLIT TMA, PULA TMA, DUBROVNIK TMA, ZADAR TMA - vertikalne granice C i D klase zračnog prostora promijenjene; Primjedbe u tablici izmjenjene
- **ENR 3.2** - Rute prostorne navigacije - razne izmjene
- **ENR 4.1** - Radionavigacijska sredstva - na ruti - VRS NDB povučen
- **ENR 4.4** - Oznake kodnim imenima značajnih točaka - razne izmjene
- **ENR 5.2** - Područja za vojne vježbe i osposobljavanje i identifikacijske zone protuzračne obrane (ADIZ) - novo podpoglavlje (Privremeno rezervirana područja za padobranske aktivnosti (CIV/MIL uporaba)) dodano i promjenjena je numeracija podpoglavlja
- **ENR 5.5.1, 5.5.3** - Zračne sportske i rekreacijske aktivnosti - zona aktivnosti parajedrilica i ovjesnih jedrilica LDA81/RASPADALICA (BUZET) povučena; Zone padobranskih aktivnosti na aerodromima izbrisane iz poglavlja ENR 5.5
- **ENR 6** - Nove karte:
  - Enroute chart - ICAO - FIR Zagreb Lower airspace (ENR 6.1 -1)
  - ATS airspace - Depiction and classification - Index Chart (ENR 6.3 -1/2)
  - ATS airspace - Other regulated airspace - Radio Mandatory Zones - Index Chart (ENR 6.3 -3/4)
  - Aerial sporting and recreational activities - Index Chart (ENR 6.7 -1/2)
  - Parachute activity zones - TRA (CIV/MIL use) - Index Chart (ENR 6.7 -3/4) - prvo izdanje
  - Radio facility - Index Chart (ENR 6.8 -1/2)
  - Free route airspace - Index Chart - SECSI FRA (ENR 6.11 -1/2)

AD

- **AD 0.6 -** Ažuriran je Sadržaj dijela 3.
- **LDDU AD 2.19 -** Radionavigacijski i uređaji za slijetanje - CV L, GR L - povučeni
- **LDDU AD 2** - Nove karte:
  - Standard Departure Chart - Instrument - ICAO - RWY 11 (LDDU AD 2.24.8 SID RWY 11 -1/2)
  - Standard Departure Chart - Instrument - ICAO - RNAV RWY 11 (LDDU AD 2.24.8 SID RNAV RWY 11 -1/4)
  - Standard Departure Chart - Instrument - ICAO - RWY 29 (LDDU AD 2.24.8 SID RWY 29 -1/2)
  - Standard Departure Chart - Instrument - ICAO - RNAV RWY 29 (LDDU AD 2.24.8 SID RNAV RWY 29 -1/2)
  - Standard Arrival Chart - Instrument - ICAO - RWY 11 (LDDU AD 2.24.10 STAR RWY 11 -1/2)
  - Standard Arrival Chart - Instrument - ICAO - RNAV RWY 11 (LDDU AD 2.24.10 STAR RNAV RWY 11 -1/6)

- Standard Arrival Chart - Instrument - ICAO - RNAV RWY 29 (LDDU AD 2.24.10 STAR RNAV RWY 29 -1/6)
- ATC Surveillance Minimum Altitude Chart - ICAO (LDDU AD 2.24.11 ATCSMAC -1/2)
- Instrument Approach Chart - ICAO - VOR RWY 11 (LDDU AD 2.24.12 IAC VOR RWY 11 -1/2)
- Instrument Approach Chart - ICAO - ILSy or LOCy RWY 11 (LDDU AD 2.24.12 IAC ILSy or LOCy RWY 11 -1/2)
- Instrument Approach Chart - ICAO - ILSz or LOCz RWY 11 (LDDU AD 2.24.12 IAC ILSz or LOCz RWY 11 -1/2)
- Instrument Approach Chart - ICAO (Circling With Prescribed Tracks) - RNP-b RWY 29 (LDDU AD 2.24.12 IAC RNP-b RWY 29 -1/4)
- Instrument Approach Chart - ICAO RNP RWY 11 (LDDU AD 2.24.12 IAC RNP RWY 11 -1/4)
- Instrument Approach Chart - ICAO RNP RWY 29 (AR) (LDDU AD 2.24.12 IAC RNP RWY 29 (AR) -1/2)
- Visual Approach Chart RWY 29 (LDDU AD 2.24.13 VAC RWY 29 -1/2)
- Visual Operation Chart (LDDU AD 2.24.13 VOC -1/2)

• **LDLO AD 2** - Nove karte:
- Standard Departure Chart - Instrument - ICAO RWY 02 (LDLO AD 2.24.8 SID RWY 02 -1/2)
- Standard Departure Chart - Instrument - ICAO RNAV RWY 02 CAT A&B (LDLO AD 2.24.8 SID RNAV RWY 02 CAT A&B -1/2)
- Standard Departure Chart - Instrument - ICAO RWY 20 (LDLO AD 2.24.8 SID RWY 20 -1/2)
- Standard Departure Chart - Instrument - ICAO RNAV RWY 20 CAT A&B (LDLO AD 2.24.8 SID RNAV RWY 20 CAT A&B -1/2)
- Standard Arrival Chart - Instrument - ICAO RWY 02/20 (LDLO AD 2.24.10 STAR RWY 02/20 -1/2)
- Standard Arrival Chart - Instrument - ICAO RNAV RWY 02 CAT A&B (LDLO AD 2.24.10 STAR RNAV RWY 02 CAT A&B -1/2)
- Standard Arrival Chart - Instrument - ICAO RNAV RWY 20 CAT A&B (LDLO AD 2.24.10 STAR RNAV RWY 20 CAT A&B -1/2)
- Instrument Approach Chart - ICAO NDB-a RWY 02/20 CAT A&B (LDLO AD 2.24.12 IAC NDB-a RWY 02/20 CAT A&B -1/2)
- Instrument Approach Chart - ICAO VOR RWY 02 CAT A&B (LDLO AD 2.24.12 IAC VOR RWY 02 CAT A&B -1/2)
- Instrument Approach Chart - ICAO RNP RWY 02 (LDLO AD 2.24.12 IAC RNP RWY 02 -1/4)
- Instrument Approach Chart - ICAO RNP RWY 20 (LPV & LNAV/VNAV only) (LDLO AD 2.24.12 IAC RNP RWY 20 (LPV & LNAV/VNAV only) -1/4)
- Visual Operation Chart (LDLO AD 2.24.13 VOC -1/2)

• **LDOS AD 2** - Nove karte:
- Standard Departure Chart - Instrument - ICAO RWY 11 (LDOS AD 2.24.8 SID RWY 11 -1/2)
- Standard Departure Chart - Instrument - ICAO RNP RWY 11 (LDOS AD 2.24.8 SID RNP RWY 11 -1/2)
- Standard Departure Chart - Instrument - ICAO RWY 29 (LDOS AD 2.24.8 SID RWY 29 -1/2)
- Standard Departure Chart - Instrument - ICAO RNP RWY 29 (LDOS AD 2.24.8 SID RNP RWY 29 -1/2)
- Standard Arrival Chart - Instrument - ICAO RWY 11 (LDOS AD 2.24.10 STAR RWY 11 -1/2)
- Standard Arrival Chart - Instrument - ICAO RNP RWY 11 (LDOS AD 2.24.10 STAR RNP RWY 11 -1/2)
- Standard Arrival Chart - Instrument - ICAO RWY 29 (LDOS AD 2.24.10 STAR RWY 29 -1/2)
- Standard Arrival Chart - Instrument - ICAO RNP RWY 29 (LDOS AD 2.24.10 STAR RNP RWY 29 -1/2)
- ATC Surveillance Minimum Altitude Chart - ICAO (LDOS AD 2.24.11 ATCSMAC -1/2)
- Instrument Approach Chart - ICAO L RWY 11 (LDOS AD 2.24.12 IAC L RWY 11 -1/2)
- Instrument Approach Chart - ICAO ILS or LOC RWY 11 (LDOS AD 2.24.12 IAC ILS or LOC RWY 11 -1/2)
- Instrument Approach Chart - ICAO NDB RWY 11 (LDOS AD 2.24.12 IAC NDB RWY 11 -1/2)
- Instrument Approach Chart - ICAO NDB RWY 29 (LDOS AD 2.24.12 IAC NDB RWY 29 -1/2)
- Instrument Approach Chart - ICAO ILSx or LOCx RWY 29 ACFT CAT A&B (LDOS AD 2.24.12 IAC ILSx or LOCx RWY 29 CAT A&B -1/2)
- Instrument Approach Chart - ICAO ILSy or LOCy RWY 29 (LDOS AD 2.24.12 IAC ILSy or LOCy RWY 29 -1/2)
- Instrument Approach Chart - ICAO ILS z or LOC z RWY 29 (LDOS AD 2.24.12 IAC ILS z or LOC z RWY 29 -1/2)
- Instrument Approach Chart - ICAO RNP RWY 11 (LDOS AD 2.24.12 IAC RNP RWY 11 -1/4)
- Instrument Approach Chart - ICAO RNP-a RWY 29 (LDOS AD 2.24.12 IAC RNP-a RWY 29 -1/2)
- Visual Operation Chart (LDOS AD 2.24.13 VOC -1/2)

• **LDPL AD 2.19, AD 2.22 -** Radio navigacijski i uređaji za slijetanje - NDB VRS povučen; Postupci tijekom leta - PEVAL1A (SID RWY 09), PEVAL1B (SID RWY 27), GIRDA5F (SID RWY 27) - povučeni

• **LDPL AD 2** - Nove karte:
- Standard Departure Chart - Instrument - ICAO RWY 09 (LDPL AD 2.24.8 SID RWY 09 -1/2)
- Standard Departure Chart - Instrument - ICAO RNAV RWY 09 (LDPL AD 2.24.8 SID RNAV RWY 09 -1/4)
- Standard Departure Chart - Instrument - ICAO RWY 27 (LDPL AD 2.24.8 SID RWY 27 -1/2)
- Standard Departure Chart - Instrument - ICAO RNAV RWY 27 (LDPL AD 2.24.8 SID RNAV RWY 27 -1/4)
- Standard Arrival Chart - Instrument - ICAO RWY 09 (LDPL AD 2.24.10 STAR RWY 09 -1/2)
- Standard Arrival Chart - Instrument - ICAO RWY 27 (LDPL AD 2.24.10 STAR RWY 27 -1/2)
- Standard Arrival Chart - Instrument - ICAO RNAV RWY 09 (LDPL AD 2.24.10 STAR RNAV RWY 09 -1/4)
- Standard Arrival Chart - Instrument - ICAO RNAV RWY 27 (LDPL AD 2.24.10 STAR RNAV RWY 27 -1/4)
- ATC Surveillance Minimum Altitude Chart - ICAO (LDPL AD 2.24.11 ATCSMAC -1/2)
- Instrument Approach Chart - ICAO VOR RWY 09 (LDPL AD 2.24.12 IAC VOR RWY 09 -1/2)

- Instrument Approach Chart - ICAO VOR RWY 27 (LDPL AD 2.24.12 IAC VOR RWY 27 -1/2)
- Instrument Approach Chart - ICAO ILS y or LOC y RWY 27 (LDPL AD 2.24.12 IAC ILS y or LOC y RWY 27 -1/2)
- Instrument Approach Chart - ICAO ILS z or LOC z RWY 27 (LDPL AD 2.24.12 IAC ILS z or LOC z RWY 27 -1/2)
- Instrument Approach Chart - ICAO RNP RWY 09 (LDPL AD 2.24.12 IAC RNP RWY 09 - 1/4)
- Instrument Approach Chart - ICAO RNP RWY 27 (LDPL AD 2.24.12 IAC RNP RWY 27 - 1/4)
- Visual Operation Chart (LDPL AD 2.24.13 VOC -1/2)

• **LDRI AD 2.22 -** Postupci tijekom leta - tekst Ref. Instrument Approach Chart (IAC) RWY 14/32 - obrisan

• **LDRI AD 2** - Nove karte:
- Standard Departure Chart - Instrument - ICAO RWY 14 (LDRI AD 2.24.8 SID RWY 14 -1/2)
- Standard Departure Chart - Instrument - ICAO RNAV RWY 14 (LDRI AD 2.24.8 SID RNAV RWY 14 -1/4)
- Standard Departure Chart - Instrument - ICAO RWY 32 (LDRI AD 2.24.8 SID RWY 32 -1/2)
- Standard Departure Chart - Instrument - ICAO RNAV RWY 32 (LDRI AD 2.24.8 SID RNAV RWY 32 -1/4)
- Standard Arrival Chart - Instrument - ICAO RWY 14/32 (LDRI AD 2.24.10 STAR RWY 14/32 -1/2)
- Standard Arrival Chart - Instrument - ICAO RNAV RWY 14 (LDRI AD 2.24.10 STAR RNAV RWY 14 -1/2)
- Standard Arrival Chart - Instrument - ICAO RNAV RWY 32 (LDRI AD 2.24.10 STAR RNAV RWY 32 -1/4)
- Instrument Approach Chart - ICAO VOR RWY 14 (LDRI AD 2.24.12 IAC VOR RWY 14 -1/2)
- Instrument Approach Chart - ICAO ILS y or LOC y RWY 14 (LDRI AD 2.24.12 IAC ILS y or LOC y RWY 14 -1/2)
- Instrument Approach Chart - ICAO ILS z or LOC z RWY 14 (LDRI AD 2.24.12 IAC ILS z or LOC z RWY 14 -1/4)
- Instrument Approach Chart - ICAO VOR RWY 32 (LDRI AD 2.24.12 IAC VOR RWY 32 -1/2)
- Instrument Approach Chart - ICAO RNP RWY 14 (LDRI AD 2.24.12 IAC RNP RWY 14 -1/4)
- Instrument Approach Chart - ICAO RNP RWY 32 (LDRI AD 2.24.12 IAC RNP RWY 32 -1/4)
- Visual Operation Chart (LDRI AD 2.24.13 VOC -1/2)

• **LDSB AD 2** - Nove karte:
- Standard Departure Chart - Instrument - ICAO RWY 03 CAT A/B&C (LDSB AD 2.24.8 SID RWY 03 CAT A/B&C -1/2)
- Standard Departure Chart - Instrument - ICAO RNAV RWY 03 (LDSB AD 2.24.8 SID RNAV RWY 03 -1/2)
- Standard Departure Chart - Instrument - ICAO RWY 21 CAT A/B&C (LDSB AD 2.24.8 SID RWY 21 CAT A/B&C -1/2)
- Standard Departure Chart - Instrument - ICAO RNAV RWY 21 (LDSB AD 2.24.8 SID RNAV RWY 21 -1/2)
- Standard Arrival Chart - Instrument - ICAO RWY 03/21 CAT A/B&C (LDSB AD 2.24.10 STAR RWY 03/21 CAT A/B&C -1/2)
- Standard Arrival Chart - Instrument - ICAO RNAV RWY 03/21 (LDSB AD 2.24.10 STAR RNAV RWY 03/21 -1/2)
- Instrument Approach Chart - ICAO NDB RWY 03 (LDSB AD 2.24.12 IAC NDB RWY 03 -1/2)
- Instrument Approach Chart - ICAO VOR-a RWY 03/21 (LDSB AD 2.24.12 IAC VOR-a RWY 03/21 -1/2)
- Instrument Approach Chart - ICAO NDB-a RWY 21 (LDSB AD 2.24.12 IAC NDB-a RWY 21 -1/2)
- Instrument Approach Chart - ICAO NDB RWY 21 (LDSB AD 2.24.12 IAC NDB RWY 21 -1/2)
- Instrument Approach Chart - ICAO RNP RWY 03 (LDSB AD 2.24.12 IAC RNP RWY 03 -1/4)
- Instrument Approach Chart - ICAO RNP RWY 21 (LDSB AD 2.24.12 IAC RNP RWY 21 -1/4)
- Visual Operation Chart (LDSB AD 2.24.13 VOC -1/2)

• **LDSP AD 2** - Nove karte:
- Standard Departure Chart Instrument - ICAO RWY 05 (LDSP AD 2.24.8 SID RWY 05 -1/2)
- Standard Departure Chart Instrument - ICAO RNAV RWY 05 (LDSP AD 2.24.8 SID RNAV RWY 05 -1/4)
- Standard Departure Chart Instrument - ICAO RWY 23 (LDSP AD 2.24.8 SID RWY 23 -1/2)
- Standard Departure Chart Instrument - ICAO RNAV RWY 23 (LDSP AD 2.24.8 SID RNAV RWY 23 -1/4)
- Standard Arrival Chart Instrument - ICAO RWY 05 (LDSP AD 2.24.10 STAR RWY 05 -1/2)
- Standard Arrival Chart Instrument - ICAO RNAV RWY 05 (LDSP AD 2.24.10 STAR RNAV RWY 05 -1/6)
- Standard Arrival Chart Instrument - ICAO RWY 23 (LDSP AD 2.24.10 STAR RWY 23 -1/2)
- Standard Arrival Chart Instrument - ICAO RNAV RWY 23 (LDSP AD 2.24.10 STAR RNAV RWY 23 -1/6)
- ATC Surveillance Minimum Altitude Chart - ICAO (LDSP AD 2.24.11 ATCSMAC - 1/2)
- Instrument Approach Chart - ICAO NDB RWY 05 (LDSP AD 2.24.12. IAC NDB RWY 05 -1/2)
- Instrument Approach Chart - ICAO ILSy or LOCy RWY 05 (LDSP AD 2.24.12 IAC ILSy or LOCy RWY 05 -1/2)
- Instrument Approach Chart - ICAO ILSz or LOCz RWY 05 (LDSP AD 2.24.12 IAC ILSz or LOCz RWY 05 -1/2)
- Instrument Approach Chart - ICAO (circling with prescribed tracks) VOR-b RWY 23 (LDSP AD 2.24.12 IAC VOR-b RWY 23 -1/2)
- Instrument Approach Chart - ICAO RNP Y RWY 05 (LDSP AD 2.24.12 IAC RNP Y RWY 05 -1/2)
- Instrument Approach Chart - ICAO RNP Z RWY 05 (LPV only) (LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only) -1/4)
- Instrument Approach Chart - ICAO RNAV VISUAL RWY 23 (LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 -1/4)
- Visual Approach Chart RWY 23 (LDSP AD 2.24.13 VAC RWY 23 -1/2)
- Visual Operation Chart (LDSP AD 2.24.13 VOC -1/2)

• **LDZA AD 2** - Nove karte:
- Standard Departure Chart - Instrument - ICAO RWY 04 (LDZA AD 2.24.8 SID RWY 04 -1/2)
- Standard Departure Chart - Instrument - ICAO RNAV RWY 04 (LDZA AD 2.24.8 SID RNAV RWY 04 -1/4)

- Standard Departure Chart - Instrument - ICAO RWY 22 (LDZA AD 2.24.8 SID RWY 22 -1/2)
- Standard Departure Chart - Instrument - ICAO RNAV RWY 22 (LDZA AD 2.24.8 SID RNAV RWY 22 -1/4)
- Standard Arrival Chart - Instrument - ICAO RWY 04 (LDZA AD 2.24.10 STAR RWY 04 -1/2)
- Standard Arrival Chart - Instrument - ICAO RNAV RWY 04 (LDZA AD 2.24.10 STAR RNAV RWY 04 -1/4)
- Standard Arrival Chart - Instrument - ICAO RWY 22 (LDZA AD 2.24.10 STAR RWY 22 -1/2)
- Standard Arrival Chart - Instrument - ICAO RNAV RWY 22 (LDZAAD 2.24.10 STAR RNAV RWY 22 -1/4)
- ATC Surveillance Minimum Altitude Chart - ICAO (LDZA AD 2.24.11 ATCSMAC -1/2)
- Instrument Approach Chart - ICAO L RWY 04 (LDZA AD 2.24.12 IAC L RWY 04 -1/2)
- Instrument Approach Chart - ICAO ILS y or LOC y RWY 04 CAT I/II/III (LDZA AD 2.24.12 IAC ILS y or LOC y RWY 04 -1/2) - ažurirana
- Instrument Approach Chart - ICAO ILS z or LOC z RWY 04 CAT I/II/III (LDZA AD 2.24.12 IAC ILS z or LOC z RWY 04 -1/2) - ažurirana
- Instrument Approach Chart - ICAO L RWY 22 (LDZA AD 2.24.12 IAC L RWY 22 -1/2)
- Instrument Approach Chart - ICAO ILS y or LOC y RWY 22 (LDZA AD 2.24.12 IAC ILS y or LOC y RWY 22 -1/2)
- Instrument Approach Chart - ICAO ILS z or LOC z RWY 22 (LDZA AD 2.24.12 IAC ILS z or LOC z RWY 22 -1/2)
- Instrument Approach Chart - ICAO RNP RWY 04 (LDZA AD 2.24.12 IAC RNP RWY 04 -1/4)
- Instrument Approach Chart - ICAO RNP RWY 22 (LDZA AD 2.24.12 IAC RNP RWY 22 -1/4)
- Visual Operation Chart (LDZA AD 2.24.13 VOC -1/2)

• **LDZD AD 2.22 -** Postupci tijekom leta - LOS6A (STAR RWY 04 & RWY 13/31) - ispravak

• **LDZD AD 2** - Nove karte:

- Standard Departure Chart Instrument - ICAO RWY 04 (LDZD AD 2.24.8 SID RWY 04 -1/2)
- Standard Departure Chart Instrument - ICAO RNAV RWY 04 (LDZD AD 2.24.8 SID RNAV RWY 04 -1/4)
- Standard Departure Chart Instrument - ICAO RWY 13 (LDZD AD 2.24.8 SID RWY 13 -1/2)
- Standard Departure Chart Instrument - ICAO RNAV RWY 13 (LDZD AD 2.24.8 SID RNAV RWY 13 -1/4)
- Standard Departure Chart Instrument - ICAO RWY 22 (LDZD AD 2.24.8 SID RWY 22 -1/2)
- Standard Departure Chart Instrument - ICAO RNAV RWY 22 (LDZD AD 2.24.8 SID RNAV RWY 22 -1/2)
- Standard Departure Chart Instrument - ICAO RWY 31 (LDZD AD 2.24.8 SID RWY 31 -1/2)
- Standard Departure Chart Instrument - ICAO RNAV RWY 31 (LDZD AD 2.24.8 SID RNAV RWY 31 -1/4)
- Standard Arrival Chart Instrument - ICAO RWY 04 & 13/31 (LDZD AD 2.24.10 STAR RWY 04 & 13/31 -1/2)
- Standard Arrival Chart Instrument - ICAO RNAV RWY 04 (LDZD AD 2.24.10 STAR RNAV RWY 04 -1/4)
- Standard Arrival Chart Instrument - ICAO RNAV RWY 13 (LDZD AD 2.24.10 STAR RNAV RWY 13 -1/4)
- Standard Arrival Chart Instrument - ICAO RNAV RWY 31 (LDZD AD 2.24.10 STAR RNAV RWY 31 -1/4)
- ATC Surveillance Minimum Altitude Chart - ICAO (LDZD AD 2.24.11 ATCSMAC -1/2)
- Instrument Approach Chart - ICAO VOR RWY 04 (LDZD AD 2.24.12 IAC VOR RWY 04 -1/2)
- Instrument Approach Chart - ICAO L y RWY 13 (LDZD AD 2.24.12 IAC L y RWY 13 -1/2)
- Instrument Approach Chart - ICAO L z RWY 13 (LDZD AD 2.24.12 IAC L z RWY 13 -1/2)
- Instrument Approach Chart - ICAO VOR RWY 13 (LDZD AD 2.24.12 IAC VOR RWY 13 -1/2)
- Instrument Approach Chart - ICAO ILS or LOC RWY 13 (LDZD AD 2.24.12 IAC ILS or LOC RWY 13 -1/2)
- Instrument Approach Chart - ICAO L RWY 31 (LDZD AD 2.24.12 IAC L RWY 31 -1/2)
- Instrument Approach Chart - ICAO VOR RWY 31 (LDZD AD 2.24.12 IAC VOR RWY 31 -1/2)
- Instrument Approach Chart - ICAO RNP RWY 04 (LDZD AD 2.24.12 IAC RNP RWY 04 -1/4)
- Instrument Approach Chart - ICAO RNP Y RWY 13 (LDZD AD 2.24.12 IAC RNP Y RWY 13 -1/4)
- Instrument Approach Chart - ICAO RNP Z RWY 13 (LDZD AD 2.24.12 IAC RNP Z RWY 13 -1/4)
- Instrument Approach Chart - ICAO RNP RWY 31 (LDZD AD 2.24.12 IAC RNP RWY 31 -1/4)
- Visual Operation Chart (LDZD AD 2.24.13 VOC -1/2)

2. Ručne ispravke su na sljedećim stranicama:

• Vidi GEN 0.5

3. Upišite AMDT u GEN 0.2

4. Ovaj AIP AMDT uključuje informacije sadržane u sljedećim NOTAM-ima i publikacijama:

NOTAM: A0780/25
NOTAM uključen u ovaj AMDT bit će poništen putem NOTAMC-a

SUP: NIL

AIC: NIL

Umetnite / izvadite stranice kao što je prikazano u popisu na sljedećoj stranici:

Umetnite sljedeće stranice:

GEN 0.2 - 5/6	15 MAY 2025 / 26 DEC 2024
GEN 0.4 - 1/2	15 MAY 2025 / 15 MAY 2025
GEN 0.4 - 3/4	15 MAY 2025 / 15 MAY 2025
GEN 0.4 - 5/6	15 MAY 2025 / 15 MAY 2025
GEN 0.4 - 7/8	15 MAY 2025 / 15 MAY 2025
GEN 0.4 - 9/10	15 MAY 2025 / 15 MAY 2025
GEN 0.5 - 1/2	28 NOV 2024 / 15 MAY 2025
GEN 0.5 - 3/4	15 MAY 2025 / 15 MAY 2025
GEN 2.5 - 1/2	15 MAY 2025 / 15 MAY 2025
ENR 0.6 - 1/2	15 MAY 2025 / 15 MAY 2025
ENR 0.6 - 3/4	15 MAY 2025 / 15 MAY 2025
ENR 2.1 - 1/2	15 MAY 2025 / 15 MAY 2025
ENR 2.1 - 3/4	15 MAY 2025 / 15 MAY 2025
ENR 2.1 - 5/6	15 MAY 2025 / 15 MAY 2025
ENR 2.1 - 7/8	15 MAY 2025 / 15 MAY 2025
ENR 3.2 - 1/2	15 MAY 2025 / 15 MAY 2025
ENR 3.2 - 3/4	15 MAY 2025 / 15 MAY 2025
ENR 3.2 - 5/6	15 MAY 2025 / 15 MAY 2025
ENR 3.2 - 7/8	15 MAY 2025 / 15 MAY 2025
ENR 3.2 - 9/10	15 MAY 2025 / 15 MAY 2025
ENR 3.2 - 13/14	15 MAY 2025 / 15 MAY 2025
ENR 3.2 - 15/16	15 MAY 2025 / 15 MAY 2025
ENR 3.2 - 17/18	15 MAY 2025 / 15 MAY 2025
ENR 3.2 - 19/20	15 MAY 2025 / 15 MAY 2025
ENR 3.2 - 21/22	15 MAY 2025 / 05 SEP 2024
ENR 3.2 - 23/24	15 MAY 2025 / 15 MAY 2025
ENR 3.2 - 25/26	15 MAY 2025 / 15 MAY 2025
ENR 3.2 - 27/28	15 MAY 2025 / 15 MAY 2025
ENR 3.2 - 29/30	15 MAY 2025 / 15 MAY 2025
ENR 3.2 - 31/32	15 MAY 2025 / 15 MAY 2025
ENR 3.2 - 33/34	05 SEP 2024 / 15 MAY 2025
ENR 3.2 - 35/36	15 MAY 2025 / 15 MAY 2025
ENR 3.2 - 37/38	15 MAY 2025 / 15 MAY 2025
ENR 3.2 - 39/40	15 MAY 2025 / 15 MAY 2025
NIL	
ENR 4.1 - 1/2	20 MAR 2025 / 15 MAY 2025
ENR 4.4 - 1/2	15 MAY 2025 / 15 MAY 2025
ENR 4.4 - 3/4	15 MAY 2025 / 15 MAY 2025
ENR 4.4 - 5/6	15 MAY 2025 / 15 MAY 2025
ENR 4.4 - 7/8	15 MAY 2025 / 20 MAR 2025
ENR 5.2 - 41/42	11 JUL 2024 / 15 MAY 2025
ENR 5.2 - 43/44	15 MAY 2025 / 15 MAY 2025
ENR 5.2 - 45/46	15 MAY 2025 / 15 MAY 2025
ENR 5.2 - 47/48	15 MAY 2025 / 15 MAY 2025
ENR 5.2 - 49/50	15 MAY 2025 / 15 MAY 2025
ENR 5.2 - 51/52	15 MAY 2025 / 15 MAY 2025
ENR 5.2 - 53/54	15 MAY 2025 / 15 MAY 2025
ENR 5.2 - 55/56	15 MAY 2025 / 15 MAY 2025
ENR 5.2 - 57/58	15 MAY 2025 / 15 MAY 2025
ENR 5.2 - 59/60	15 MAY 2025 / 15 MAY 2025
ENR 5.5 - 1/2	30 NOV 2023 / 15 MAY 2025
ENR 5.5 - 3/4	15 MAY 2025 / 15 MAY 2025
NIL	
ENR 6 - 1/2	15 MAY 2025 / 08 MAR 2012
ENR 6.1 - 1	15 MAY 2025
ENR 6.3 - 1/2	15 MAY 2025 / 15 MAY 2025
ENR 6.3 - 3/4	15 MAY 2025 / 15 MAY 2025
ENR 6.7 - 1/2	15 MAY 2025 / 15 MAY 2025
ENR 6.7 - 3/4	15 MAY 2025 / 15 MAY 2025
ENR 6.8 - 1/2	15 MAY 2025 / 15 MAY 2025
ENR 6.11 - 1/2	15 MAY 2025 / 15 MAY 2025
AD 0.6 - 1/2	15 MAY 2025 / 15 MAY 2025
AD 0.6 - 3/4	15 MAY 2025 / 15 MAY 2025
AD 0.6 - 5/6	15 MAY 2025 / 15 MAY 2025
AD 0.6 - 7/8	15 MAY 2025 / 15 MAY 2025
AD 0.6 - 9/10	15 MAY 2025 / 15 MAY 2025
LDDU AD 2 - 21/22	31 OCT 2024 / 15 MAY 2025
LDDU AD 2 - 23/24	15 MAY 2025 / 15 MAY 2025
LDDU AD 2 - 25/26	15 MAY 2025 / 20 MAR 2025
LDDU AD 2.24.8 SID RWY 11 - 1/2	15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.8 SID RNAV RWY 11 - 1/2	15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.8 SID RNAV RWY 11 - 3/4	15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.8 SID RWY 29 - 1/2	15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.8 SID RNAV RWY 29 - 1/2	15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.10 STAR RWY 11 - 1/2	15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.10 STAR RNAV RWY11 - 1/2	15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.10 STAR RNAV RWY 11 - 3/4	15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.10 STAR RNAV RWY 11 - 5/6	15 MAY 2025 / 15 MAY 2025

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GEN 0.2 - 5/6	17 APR 2025 / 26 DEC 2024
GEN 0.4 - 1/2	17 APR 2025 / 17 APR 2025
GEN 0.4 - 3/4	17 APR 2025 / 17 APR 2025
GEN 0.4 - 5/6	17 APR 2025 / 17 APR 2025
GEN 0.4 - 7/8	17 APR 2025 / 17 APR 2025
GEN 0.4 - 9/10	17 APR 2025 / 17 APR 2025
GEN 0.5 - 1/2	28 NOV 2024 / 20 MAR 2025
GEN 0.5 - 3/4	20 MAR 2025 / 17 APR 2025
GEN 2.5 - 1/2	08 AUG 2024 / 08 AUG 2024
ENR 0.6 - 1/2	20 FEB 2025 / 20 FEB 2025
ENR 0.6 - 3/4	20 FEB 2025 / 20 FEB 2025
ENR 2.1 - 1/2	28 DEC 2023 / 18 APR 2024
ENR 2.1 - 3/4	05 SEP 2024 / 28 DEC 2023
ENR 2.1 - 5/6	18 APR 2024 / 28 DEC 2023
ENR 2.1 - 7/8	18 APR 2024 / 18 APR 2024
ENR 3.2 - 1/2	05 SEP 2024 / 20 MAR 2025
ENR 3.2 - 3/4	05 SEP 2024 / 05 SEP 2024
ENR 3.2 - 5/6	05 SEP 2024 / 20 MAR 2025
ENR 3.2 - 7/8	20 MAR 2025 / 05 SEP 2024
ENR 3.2 - 9/10	05 SEP 2024 / 05 SEP 2024
ENR 3.2 - 13/14	05 SEP 2024 / 05 SEP 2024
ENR 3.2 - 15/16	05 SEP 2024 / 20 MAR 2025
ENR 3.2 - 17/18	05 SEP 2024 / 05 SEP 2024
ENR 3.2 - 19/20	05 SEP 2024 / 05 SEP 2024
ENR 3.2 - 21/22	05 SEP 2024 / 05 SEP 2024
ENR 3.2 - 23/24	05 SEP 2024 / 05 SEP 2024
ENR 3.2 - 25/26	05 SEP 2024 / 05 SEP 2024
ENR 3.2 - 27/28	05 SEP 2024 / 05 SEP 2024
ENR 3.2 - 29/30	05 SEP 2024 / 05 SEP 2024
ENR 3.2 - 31/32	20 MAR 2025 / 05 SEP 2024
ENR 3.2 - 33/34	05 SEP 2024 / 05 SEP 2024
ENR 3.2 - 35/36	05 SEP 2024 / 05 SEP 2024
ENR 3.2 - 37/38	05 SEP 2024 / 05 SEP 2024
ENR 3.2 - 39/40	05 SEP 2024 / 05 SEP 2024
ENR 3.2 - 41/42	20 MAR 2025 / 05 SEP 2024
ENR 4.1 - 1/2	20 MAR 2025 / 22 FEB 2024
ENR 4.4 - 1/2	20 MAR 2025 / 20 MAR 2025
ENR 4.4 - 3/4	20 MAR 2025 / 20 MAR 2025
ENR 4.4 - 5/6	20 MAR 2025 / 20 MAR 2025
ENR 4.4 - 7/8	20 MAR 2025 / 20 MAR 2025
ENR 5.2 - 41/42	11 JUL 2024 / 11 JUL 2024
ENR 5.2 - 43/44	11 JUL 2024 / 11 JUL 2024
ENR 5.2 - 45/46	11 JUL 2024 / 11 JUL 2024
ENR 5.2 - 47/48	11 JUL 2024 / 11 JUL 2024
ENR 5.2 - 49/50	11 JUL 2024 / 11 JUL 2024
ENR 5.2 - 51/52	11 JUL 2024 / 11 JUL 2024
ENR 5.2 - 53/54	11 JUL 2024 / 11 JUL 2024
ENR 5.2 - 55/56	11 JUL 2024 / 11 JUL 2024
NIL	
NIL	
ENR 5.5 - 1/2	30 NOV 2023 / 07 SEP 2023
ENR 5.5 - 3/4	05 SEP 2024 / 05 SEP 2024
ENR 5.5 - 5/6	05 SEP 2024 / 05 SEP 2024
ENR 6 - 1/2	16 MAY 2024 / 08 MAR 2012
ENR 6.1 - 1	20 MAR 2025
ENR 6.3 - 1/2	05 SEP 2024 / 05 SEP 2024
ENR 6.3 - 3/4	28 DEC 2023 / 28 DEC 2023
ENR 6.7 - 1/2	05 SEP 2024 / 05 SEP 2024
ENR 6.7 - 3/4	15 MAY 2025 / 15 MAY 2025
ENR 6.8 - 1/2	20 MAR 2025 / 20 MAR 2025
ENR 6.11 - 1/2	20 MAR 2025 / 20 MAR 2025
AD 0.6 - 1/2	20 MAR 2025 / 20 MAR 2025
AD 0.6 - 3/4	20 MAR 2025 / 20 MAR 2025
AD 0.6 - 5/6	20 MAR 2025 / 20 MAR 2025
AD 0.6 - 7/8	20 MAR 2025 / 20 MAR 2025
AD 0.6 - 9/10	20 MAR 2025 / 20 MAR 2025
LDDU AD 2 - 21/22	31 OCT 2024 / 20 MAR 2025
LDDU AD 2 - 23/24	20 FEB 2025 / 20 MAR 2025
LDDU AD 2 - 25/26	20 MAR 2025 / 20 MAR 2025
LDDU AD 2.24.8 SID RWY 11 - 1/2	20 MAR 2025 / 20 MAR 2025
LDDU AD 2.24.8 SID RNAV RWY 11 - 1/2	20 MAR 2025 / 20 MAR 2025
LDDU AD 2.24.8 SID RNAV RWY 11 - 3/4	20 MAR 2025 / 20 MAR 2025
LDDU AD 2.24.8 SID RWY 29 - 1/2	20 MAR 2025 / 20 MAR 2025
LDDU AD 2.24.8 SID RNAV RWY 29 - 1/2	20 MAR 2025 / 20 MAR 2025
LDDU AD 2.24.10 STAR RWY 11 - 1/2	20 MAR 2025 / 20 MAR 2025
LDDU AD 2.24.10 STAR RNAV RWY 11 - 1/2	23 JAN 2025 / 23 JAN 2025
LDDU AD 2.24.10 STAR RNAV RWY 11 - 3/4	23 JAN 2025 / 23 JAN 2025
LDDU AD 2.24.10 STAR RNAV RWY 11 - 5/6	23 JAN 2025 / 23 JAN 2025

Umetnite sljedeće stranice:

LDDU AD 2.24.10 STAR RNAVRWY 29 - 1/2 15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.10 STAR RNAV RWY 29 - 3/4 15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.10 STAR RNAV RWY 29 - 5/6 15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.11 ATCSMAC - 1/2 15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.12 IAC VOR RWY 11 - 1/2 15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.12 IAC ILSy or LOCy RWY 11 - 1/2 15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.12 IAC ILSz or LOCz RWY 11 - 1/2 15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.12 IAC RNP-b RWY 29 - 1/2 15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.12 IAC RNP-b RWY 29 - 3/4 15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.12 IAC RNP RWY 11- 1/2 15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.12 IAC RNP RWY 11 - 3/4 15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.12 IAC RNP RWY 29 (AR) - 1/2 15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.13 VAC RWY 29 - 1/2 15 MAY 2025 / 15 MAY 2025
LDDU AD 2.24.13 VOC - 1/2 15 MAY 2025 / 15 MAY 2025
LDLO AD 2.24.8 SID RWY 02 - 1/2 15 MAY 2025 / 15 MAY 2025
LDLO AD 2.24.8 SID RNAV RWY 02 - 1/2 15 MAY 2025 / 15 MAY 2025
LDLO AD 2.24.8 SID RWY20 - 1/2 15 MAY 2025 / 15 MAY 2025
LDLO AD 2.24.8 SID RNAV RWY 20 - 1/2 15 MAY 2025 / 15 MAY 2025
LDLO AD 2.24.10 STAR RWY 02/20 - 1/2 15 MAY 2025 / 15 MAY 2025
LDLO AD 2.24.10 STAR RNAV RWY 02 CAT A&B - 1/2 15 MAY 2025 / 15 MAY 2025
LDLO AD 2.24.10 STAR RNAV RWY 20 CAT A&B - 1/2 15 MAY 2025 / 15 MAY 2025
LDLO AD 2.24.12 IAC NDB-a RWY 02/20 CAT A&B - 1/2 15 MAY 2025 / 15 MAY 2025
LDLO AD 2.24.12 IAC VOR RWY 02 CAT A&B - 1/2 15 MAY 2025 / 15 MAY 2025
LDLO AD 2.24.12 IAC RNP RWY 02 - 1/2 15 MAY 2025 / 15 MAY 2025
LDLO AD 2.24.12 IAC RNP RWY 02 - 3/4 15 MAY 2025 / 15 MAY 2025
LDLO AD 2.24.12 IAC RNP RWY 20 (LPV & LNAV/VNAV only) - 1/2 15 MAY 2025 / 15 MAY 2025
LDLO AD 2.24.12 IAC RNP RWY 20 (LPV & LNAV/VNAV only) - 3/4 15 MAY 2025 / 15 MAY 2025
LDLO AD 2.24.13 VOC - 1/2 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.8 SID RWY 11 - 1/2 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.8 SID RNP RWY 11 - 1/2 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.8 SID RWY 29 - 1/2 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.8 SID RNP RWY 29 - 1/2 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.10 STAR RWY 11 - 1/2 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.10 STAR RNP RWY 11 - 1/2 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.10 STAR RWY 29 - 1/2 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.10 STAR RNP RWY 29 - 1/2 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.11 ATCSMAC - 1/2 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.12 IAC L RWY 11 - 1/2 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.12 IAC ILS or LOC RWY 11 - 1/2 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.12 IAC NDB RWY 11 - 1/2 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.12 IAC NDB RWY 29 - 1/2 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.12 IAC ILSx or LOCx RWY 29 CAT A&B - 1/2 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.12 IAC ILSy or LOCy RWY 29 - 1/2 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.12 IAC ILSz or LOCz RWY 29 - 1/2 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.12 IAC RNP RWY 11 - 1/2 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.12 IAC RNP RWY 11 - 3/4 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.12 IAC RNP-a RWY 29 - 1/2 15 MAY 2025 / 15 MAY 2025
LDOS AD 2.24.13 VOC - 1/2 15 MAY 2025 / 15 MAY 2025

Izvadite sljedeće stranice:

LDDU AD 2.24.10 STAR RNAVRWY 29 - 1/2 23 JAN 2025 / 23 JAN 2025
LDDU AD 2.24.10 STAR RNAV RWY 29 - 3/4 23 JAN 2025 / 23 JAN 2025
LDDU AD 2.24.10 STAR RNAV RWY 29 - 5/6 23 JAN 2025 / 23 JAN 2025
LDDU AD 2.24.11 ATCSMAC - 1/2 20 MAR 2025 / 20 MAR 2025
LDDU AD 2.24.12 IAC VOR RWY 11 - 1/2 20 MAR 2025 / 20 MAR 2025
LDDU AD 2.24.12 IAC ILSy or LOCy RWY 11 - 1/2 20 MAR 2025 / 20 MAR 2025
LDDU AD 2.24.12 IAC ILSz or LOCz RWY 11 - 1/2 20 MAR 2025 / 20 MAR 2025
LDDU AD 2.24.12 IAC RNP-b RWY 29 - 1/2 20 MAR 2025 / 20 MAR 2025
LDDU AD 2.24.12 IAC RNP-b RWY 29 - 3/4 20 MAR 2025 / 20 MAR 2025
LDDU AD 2.24.12 IAC RNP RWY 11 - 1/2 20 MAR 2025 / 20 MAR 2025
LDDU AD 2.24.12 IAC RNP RWY 11- 3/4 20 MAR 2025 / 20 MAR 2025
LDDU AD 2.24.12 IAC RNP RWY 29 (AR) - 1/2 20 MAR 2025 / 20 MAR 2025
LDDU AD 2.24.13 VAC RWY 29 - 1/2 20 MAR 2025 / 20 MAR 2025
LDDU AD 2.24.13 VOC - 1/2 20 MAR 2025 / 20 MAR 2025
LDLO AD 2.24.8 SID RWY 02 - 1/2 23 JAN 2025 / 23 JAN 2025
LDLO AD 2.24.8 SID RNAV RWY 02 - 1/2 20 MAR 2025 / 20 MAR 2025
LDLO AD 2.24.8 SID RWY20 - 1/2 23 JAN 2025 / 23 JAN 2025
LDLO AD 2.24.8 SID RNAV RWY 20 - 1/2 20 MAR 2025 / 20 MAR 2025
LDLO AD 2.24.10 STAR RWY 02/20 - 1/2 23 JAN 2025 / 23 JAN 2025
LDLO AD 2.24.10 STAR RNAV RWY 02 CAT A&B - 1/2 20 MAR 2025 / 20 MAR 2025
LDLO AD 2.24.10 STAR RNAV RWY 20 CAT A&B - 1/2 20 MAR 2025 / 20 MAR 2025
LDLO AD 2.24.12 IAC NDB-a RWY 02/20 CAT A&B - 1/2 23 JAN 2025 / 23 JAN 2025
LDLO AD 2.24.12 IAC VOR RWY 02 CAT A&B - 1/2 23 JAN 2025 / 23 JAN 2025
LDLO AD 2.24.12 IAC RNP RWY 02 - 1/2 23 JAN 2025 / 23 JAN 2025
LDLO AD 2.24.12 IAC RNP RWY 02 - 3/4 23 JAN 2025 / 23 JAN 2025
LDLO AD 2.24.12 IAC RNP RWY 20 (LPV & LNAV/VNAV only) - 1/2 23 JAN 2025 / 23 JAN 2025
LDLO AD 2.24.12 IAC RNP RWY 20 (LPV & LNAV/VNAV only) - 3/4 23 JAN 2025 / 23 JAN 2025
LDLO AD 2.24.13 VOC - 1/2 23 JAN 2025 / 23 JAN 2025
LDOS AD 2.24.8 SID RWY 11 - 1/2 05 SEP 2024 / 05 SEP 2024
LDOS AD 2.24.8 SID RNP RWY 11 - 1/2 03 OCT 2024 / 03 OCT 2024
LDOS AD 2.24.8 SID RWY 29 - 1/2 05 SEP 2024 / 05 SEP 2024
LDOS AD 2.24.8 SID RNP RWY 29 - 1/2 03 OCT 2024 / 03 OCT 2024
LDOS AD 2.24.10 STAR RWY 11 - 1/2 05 SEP 2024 / 05 SEP 2024
LDOS AD 2.24.10 STAR RNP RWY 11 - 1/2 03 OCT 2024 / 03 OCT 2024
LDOS AD 2.24.10 STAR RWY 29 - 1/2 05 SEP 2024 / 05 SEP 2024
LDOS AD 2.24.10 STAR RNP RWY 29 - 1/2 03 OCT 2024 / 03 OCT 2024
LDOS AD 2.24.11 ATCSMAC - 1/2 05 SEP 2024 / 05 SEP 2024
LDOS AD 2.24.12 IAC L RWY 11 - 1/2 13 JUN 2024 / 13 JUN 2024
LDOS AD 2.24.12 IAC ILS or LOC RWY 11 - 1/2 13 JUN 2024 / 13 JUN 2024
LDOS AD 2.24.12IAC NDB RWY 11 - 1/2 13 JUN 2024 / 13 JUN 2024
LDOS AD 2.24.12 IAC NDB RWY 29 - 1/2 13 JUN 2024 / 13 JUN 2024
LDOS AD 2.24.12 IAC ILSx or LOCx RWY 29 CAT A&B - 1/2 13 JUN 2024 / 13 JUN 2024
LDOS AD 2.24.12 IAC ILSy or LOCy RWY 29 - 1/2 13 JUN 2024 / 13 JUN 2024
LDOS AD 2.24.12 IAC ILSz or LOCz RWY 29 - 1/2 13 JUN 2024 / 13 JUN 2024
LDOS AD 2.24.12 IAC RNP RWY 11 - 1/2 13 JUN 2024 / 13 JUN 2024
LDOS AD 2.24.12 IAC RNP RWY 11 - 3/4 13 JUN 2024 / 13 JUN 2024
LDOS AD 2.24.12 IAC RNP-a RWY 29 - 1/2 13 JUN 2024 / 13 JUN 2024
LDOS AD 2.24.13 VOC - 1/2 13 JUN 2024 / 13 JUN 2024

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LDPL AD 2 - 11/12 15 MAY 2025 / 15 MAY 2025
LDPL AD 2 - 13/14 15 MAY 2025 / 15 MAY 2025
LDPL AD 2 - 15/16 15 MAY 2025 / 15 MAY 2025
LDPL AD 2 - 17/18 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.8 SID RWY 09 - 1/2 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.8 SID RNAV RWY 09 - 1/2 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.8 SID RNAV RWY 09 - 3/4 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.8 SID RWY 27 - 1/2 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.8 SID RNAV RWY 27 - 1/2 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.8 SID RNAV RWY 27 - 3/4 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.10 STAR RWY 09 - 1/2 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.10 STAR RWY 27 - 1/2 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.10 STAR RNAV RWY 09 - 1/2 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.10 STAR RNAV RWY 09 - 3/4 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.10 STAR RNAV RWY 27 - 1/2 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.10 STAR RNAV RWY 27 - 3/4 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.11 ATCSMAC - 1/2 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.12 IAC VOR RWY 09 - 1/2 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.12 IAC VOR RWY 27 - 1/2 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.12 IAC ILS y or LOC y RWY 27 - 1/2 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.12 IAC ILS z or LOC z RWY 27 - 1/2 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.12 IAC RNP RWY 09 - 1/2 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.12 IAC RNP RWY 09 - 3/4 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.12 IAC RNP RWY 27 - 1/2 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.12 IAC RNP RWY 27 - 3/4 15 MAY 2025 / 15 MAY 2025
LDPL AD 2.24.13 VOC - 1/2 15 MAY 2025 / 15 MAY 2025
LDRI AD 2 - 13/14 15 MAY 2025 / 08 AUG 2024
LDRI AD 2.24.8 SID RWY 14 - 1/2 15 MAY 2025 / 15 MAY 2025
LDRI AD 2.24.8 SID RNAV RWY 14 - 1/2 15 MAY 2025 / 15 MAY 2025
LDRI AD 2.24.8 SID RNAV RWY 14 - 3/4 15 MAY 2025 / 15 MAY 2025
LDRI AD 2.24.8 SID RWY 32 - 1/2 15 MAY 2025 / 15 MAY 2025
LDRI AD 2.24.8 SID RNAV RWY 32 - 1/2 15 MAY 2025 / 15 MAY 2025
LDRI AD 2.24.8 SID RNAV RWY 32 - 3/4 15 MAY 2025 / 15 MAY 2025
LDRI AD 2.24.10 STAR RWY14/32 - 1/2 15 MAY 2025 / 15 MAY 2025
LDRI AD 2.24.10 STAR RNAV RWY 14 - 1/2 15 MAY 2025 / 15 MAY 2025
LDRI AD 2.24.10 STAR RNAV RWY 32 - 1/2 15 MAY 2025 / 15 MAY 2025
LDRI AD 2.24.10 STAR RNAV RWY 32 - 3/4 15 MAY 2025 / 15 MAY 2025
LDRI AD 2.24.12 IAC RWY14 VOR - 1/2 15 MAY 2025 / 15 MAY 2025
LDRI AD 2.24.12 IAC ILS y or LOC y RWY 14 - 1/2 15 MAY 2025 / 15 MAY 2025
LDRI AD 2.24.12 IAC ILS z or LOC z RWY 14 - 1/2 15 MAY 2025 / 15 MAY 2025
LDRI AD 2.24.12 IAC ILS z or LOC z RWY 14 - 3/4 15 MAY 2025 / 15 MAY 2025
LDRI AD 2.24.12 IAC VOR RWY 32 - 1/2 15 MAY 2025 / 15 MAY 2025
LDRI AD 2.24.12 IAC RNP RWY 14 - 1/2 15 MAY 2025 / 15 MAY 2025
LDRI AD 2.24.12 IAC RNP RWY 14 - 3/4 15 MAY 2025 / 15 MAY 2025
LDRI AD 2.24.12 IAC RNP RWY 32 - 1/2 15 MAY 2025 / 15 MAY 2025
LDRI AD 2.24.12 IAC RNP RWY 32 - 3/4 15 MAY 2025 / 15 MAY 2025
LDRI AD 2.24.13 VOC - 1/2 15 MAY 2025 / 15 MAY 2025
LDSB AD 2.24.8 SID RWY 03 CAT A/B&C - 1/2 15 MAY 2025 / 15 MAY 2025
LDSB AD 2.24.8 SID RNAV RWY 03 - 1/2 15 MAY 2025 / 15 MAY

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LDPL AD 2 - 11/12 15 JUN 2023 / 20 MAR 2025
LDPL AD 2 - 13/14 20 MAR 2025 / 03 OCT 2024
LDPL AD 2 - 15/16 03 OCT 2024 / 03 OCT 2024
LDPL AD 2 - 17/18 03 OCT 2024 / 13 JUN 2024
LDPL AD 2.24.8 SID RWY 09 - 1/2 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.8 SID RNAV RWY 09 - 1/2 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.8 SID RNAV RWY 09 - 3/4 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.8 SID RWY 27 - 1/2 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.8 SID RNAV RWY 27 - 1/2 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.8 SID RNAV RWY 27 - 3/4 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.10 STAR RWY 09 - 1/2 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.10 STAR RWY 27 - 1/2 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.10 STAR RNAV RWY 09 - 1/2 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.10 STAR RNAV RWY 09 - 3/4 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.10 STAR RNAV RWY 27 - 1/2 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.10 STAR RNAV RWY 27 - 3/4 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.11 ATCSMAC - 1/2 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.12 IAC VOR RWY 09 - 1/2 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.12 IAC VOR RWY 27 - 1/2 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.12 IAC ILS y or LOC y RWY 27 - 1/2 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.12 IAC ILS z or LOC z RWY 27 - 1/2 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.12 IAC RNP RWY 09 - 1/2 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.12 IAC RNP RWY 09 - 3/4 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.12 IAC RNP RWY 27 - 1/2 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.12 IAC RNP RWY 27 - 3/4 20 MAR 2025 / 20 MAR 2025
LDPL AD 2.24.13 VOC - 1/2 20 MAR 2025 / 20 MAR 2025
LDRI AD 2 - 13/14 08 AUG 2024 / 08 AUG 2024
LDRI AD 2.24.8 SID RWY 14 - 1/2 26 DEC 2024 / 26 DEC 2024
LDRI AD 2.24.8 SID RNAV RWY 14 - 1/2 26 DEC 2024 / 26 DEC 2024
LDRI AD 2.24.8 SID RNAV RWY 14 - 3/4 26 DEC 2024 / 26 DEC 2024
LDRI AD 2.24.8 SID RWY 32 - 1/2 26 DEC 2024 / 26 DEC 2024
LDRI AD 2.24.8 SID RNAV RWY 32 - 1/2 26 DEC 2024 / 26 DEC 2024
LDRI AD 2.24.8 SID RNAV RWY 32 - 3/4 26 DEC 2024 / 26 DEC 2024
LDRI AD 2.24.10 STAR RWY 14/32 - 1/2 26 DEC 2024 / 26 DEC 2024
LDRI AD 2.24.10 STAR RNAV RWY 14 - 1/2 26 DEC 2024 / 26 DEC 2024
LDRI AD 2.24.10 STAR RNAV RWY 32 - 1/2 26 DEC 2024 / 26 DEC 2024
LDRI AD 2.24.10 STAR RNAV RWY 32 - 3/4 26 DEC 2024 / 26 DEC 2024
LDRI AD 2.24.12 IAC RWY14 VOR - 1/2 26 DEC 2024 / 26 DEC 2024
LDRI AD 2.24.12 IAC ILS y or LOC y RWY 14 - 1/2 26 DEC 2024 / 26 DEC 2024
LDRI AD 2.24.12 IAC ILS z or LOC z RWY 14 - 1/2 26 DEC 2024 / 26 DEC 2024
LDRI AD 2.24.12 IAC ILS z or LOC z RWY 14 - 3/4 26 DEC 2024 / 26 DEC 2024
LDRI AD 2.24.12 IAC VOR RWY 32 - 1/2 26 DEC 2024 / 26 DEC 2024
LDRI AD 2.24.12 IAC RNP RWY 14 - 1/2 26 DEC 2024 / 26 DEC 2024
LDRI AD 2.24.12 IAC RNP RWY 14 - 3/4 26 DEC 2024 / 26 DEC 2024
LDRI AD 2.24.12 IAC RNP RWY 32 - 1/2 26 DEC 2024 / 26 DEC 2024
LDRI AD 2.24.12 IAC RNP RWY 32 - 3/4 26 DEC 2024 / 26 DEC 2024
LDRI AD 2.24.13 VOC - 1/2 26 DEC 2024 / 26 DEC 2024
LDSB AD 2.24.8 SID RWY 03 CAT A/B&C - 1/2 03 OCT 2024 / 03 OCT 2024
LDSB AD 2.24.8 SID RNAV RWY 03 - 1/2 03 OCT 2024 / 03 OCT

Umetnite sljedeće stranice:

2025
LDSB AD 2.24.8 SID RWY 21 CAT A/B&C - 1/2 15 MAY 2025 / 15 MAY 2025
LDSB AD 2.24.8 SID RNAV RWY 21 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSB AD 2.24.10 STAR RWY 03/21 CAT A/B&C - 1/2 15 MAY 2025 / 15 MAY 2025
LDSB AD 2.24.10 STAR RNAV RWY 03/21 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSB AD 2.24.12 IAC NDB RWY 03 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSB AD 2.24.12 IAC VOR-a RWY 03/21 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSB AD 2.24.12 IAC NDB-a RWY 21 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSB AD 2.24.12 IAC NDB RWY 21 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSB AD 2.24.12 IAC RNP RWY 03 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSB AD 2.24.12 IAC RNP RWY 03 - 3/4 15 MAY 2025 / 15 MAY 2025
LDSB AD 2.24.12 IAC RNP RWY 21 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSB AD 2.24.12 IAC RNP RWY 21 - 3/4 15 MAY 2025 / 15 MAY 2025
LDSB AD 2.24.13 VOC - 1/2 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.8 SID RWY 05 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.8 SID RNAV RWY 05 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.8 SID RNAV RWY 05 - 3/4 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.8 SID RWY 23 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.8 SID RNAV RWY 23 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.8 SID RNAV RWY 23 - 3/4 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.10 STAR RWY 05 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.10 STAR RNAV RWY 05 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.10 STAR RNAV RWY 05 - 3/4 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.10 STAR RNAV RWY 05 - 5/6 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.10 STAR RWY 23 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.10 STAR RNAV RWY 23 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.10 STAR RNAV RWY 23 - 3/4 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.10 STAR RNAV RWY 23 - 5/6 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.11 ATCSMAC - 1/2 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.12 IAC NDB RWY 05- 1/2 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.12 IAC ILSy or LOCy RWY 05 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.12 IAC ILSz or LOCz RWY 05 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.12 IAC VOR-b RWY 23 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.12 IAC RNP Y RWY 05 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only) - 1/2 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only) - 3/4 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 - 3/4 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.13 VAC RWY 23 - 1/2 15 MAY 2025 / 15 MAY 2025
LDSP AD 2.24.13 VOC - 1/2 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.8 SID RWY 04 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 04 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 04 - 3/4 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.8 SID RWY 22 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 22 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 22 - 3/4 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.10 STAR RWY 04 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 04 - 1/2 15 MAY 2025 / 15

Izvadite sljedeće stranice:

2024
LDSB AD 2.24.8 SID RWY 21 CAT A/B&C - 1/2 03 OCT 2024 / 03 OCT 2024
LDSB AD 2.24.8 SID RNAV RWY 21 - 1/2 03 OCT 2024 / 03 OCT 2024
LDSB AD 2.24.10 STAR RWY 03/21 CAT A/B&C - 1/2 03 OCT 2024 / 03 OCT 2024
LDSB AD 2.24.10 STAR RNAV RWY 03/21 - 1/2 03 OCT 2024 / 03 OCT 2024
LDSB AD 2.24.12 IAC NDB RWY 03 - 1/2 03 OCT 2024 / 03 OCT 2024
LDSB AD 2.24.12 IAC VOR-a RWY 03/21 - 1/2 08 AUG 2024 / 08 AUG 2024
LDSB AD 2.24.12 IAC NDB-a RWY 21 - 1/2 03 OCT 2024 / 03 OCT 2024
LDSB AD 2.24.12IAC NDB RWY 21 - 1/2 03 OCT 2024 / 03 OCT 2024
LDSB AD 2.24.12 IAC RNP RWY 03 - 1/2 03 OCT 2024 / 03 OCT 2024
LDSB AD 2.24.12 IAC RNP RWY 03 - 3/4 03 OCT 2024 / 03 OCT 2024
LDSB AD 2.24.12 IAC RNP RWY 21 - 1/2 03 OCT 2024 / 03 OCT 2024
LDSB AD 2.24.12 IAC RNP RWY 21 - 3/4 03 OCT 2024 / 03 OCT 2024
LDSB AD 2.24.13 VOC - 1/2 03 OCT 2024 / 03 OCT 2024
LDSP AD 2.24.8 SID RWY 05 - 1/2 03 OCT 2024 / 03 OCT 2024
LDSP AD 2.24.8 SID RNAV RWY 05 - 1/2 03 OCT 2024 / 03 OCT 2024
LDSP AD 2.24.8 SID RNAV RWY 05 - 3/4 03 OCT 2024 / 03 OCT 2024
LDSP AD 2.24.8 SID RWY 23 - 1/2 03 OCT 2024 / 03 OCT 2024
LDSP AD 2.24.8 SID RNAV RWY 23 - 1/2 03 OCT 2024 / 03 OCT 2024
LDSP AD 2.24.8 SID RNAV RWY 23 - 3/4 03 OCT 2024 / 03 OCT 2024
LDSP AD 2.24.10 STAR RWY 05 - 1/2 03 OCT 2024 / 03 OCT 2024
LDSP AD 2.24.10 STAR RNAV RWY 05 - 1/2 03 OCT 2024 / 03 OCT 2024
LDSP AD 2.24.10 STAR RNAV RWY 05 - 3/4 03 OCT 2024 / 03 OCT 2024
LDSP AD 2.24.10 STAR RNAV RWY 05 - 5/6 03 OCT 2024 / 03 OCT 2024
LDSP AD 2.24.10 STAR RWY 23 - 1/2 03 OCT 2024 / 03 OCT 2024
LDSP AD 2.24.10 STAR RNAV RWY 23 - 1/2 03 OCT 2024 / 03 OCT 2024
LDSP AD 2.24.10 STAR RNAV RWY 23 - 3/4 03 OCT 2024 / 03 OCT 2024
LDSP AD 2.24.10 STAR RNAV RWY 23 - 5/6 03 OCT 2024 / 03 OCT 2024
LDSP AD 2.24.11 ATCSMAC - 1/2 03 OCT 2024 / 03 OCT 2024
LDSP AD 2.24.12 IAC NDB RWY 05 - 1/2 08 AUG 2024 / 08 AUG 2024
LDSP AD 2.24.12 IAC ILSy or LOCy RWY 05 - 1/2 08 AUG 2024 / 08 AUG 2024
LDSP AD 2.24.12 IAC ILSz or LOCz RWY 05 - 1/2 08 AUG 2024 / 08 AUG 2024
LDSP AD 2.24.12 IAC VOR-b RWY 23 - 1/2 03 OCT 2024 / 03 OCT 2024
LDSP AD 2.24.12 IAC RNP Y RWY 05- 1/2 08 AUG 2024 / 08 AUG 2024
LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only) - 1/2 08 AUG 2024 / 08 AUG 2024
LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only) - 3/4 08 AUG 2024 / 08 AUG 2024
LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 - 1/2 08 AUG 2024 / 08 AUG 2024
LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 - 3/4 08 AUG 2024 / 08 AUG 2024
LDSP AD 2.24.13 VAC RWY 23 - 1/2 03 OCT 2024 / 03 OCT 2024
LDSP AD 2.24.13 VOC - 1/2 03 OCT 2024 / 03 OCT 2024
LDZA AD 2.24.8 SID RWY 04 - 1/2 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.8 SID RNAV RWY 04 - 1/2 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.8 SID RNAV RWY 04 - 3/4 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.8 SID RWY 22 - 1/2 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.8 SID RNAV RWY 22 - 1/2 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.8 SID RNAV RWY 22 - 3/4 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.10 STAR RWY 04 - 1/2 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.10 STAR RNAV RWY 04 - 1/2 05 SEP 2024 / 05

Umetnite sljedeće stranice:

MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 04 - 3/4 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.10 STAR RWY 22 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 22 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 22 - 3/4 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.11 ATCSMAC - 1/2 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.12 IAC L RWY 04 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.12 IAC ILS y or LOC y RWY 04 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.12 IAC ILS z or LOC z RWY 04 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.12 IAC L RWY 22 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.12 IAC ILS y or LOC y RWY 22 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.12 IAC ILS z or LOC z RWY 22 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.12 IAC RNP RWY 04 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.12 IAC RNP RWY 04 - 3/4 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.12 IAC RNP RWY 22 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.12 IAC RNP RWY 22 - 3/4 15 MAY 2025 / 15 MAY 2025
LDZA AD 2.24.13 VOC - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2 - 15/16 13 JUN 2024 / 15 MAY 2025
LDZD AD 2.24.8 SID RWY 04 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 04 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 04 - 3/4 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.8 SID RWY 13 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 13 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 13 - 3/4 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.8 SID RWY 22 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 22 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.8 SID RWY 31 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 31 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 31 - 3/4 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.10 STAR RWY 04 & 13/31 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.10 STAR RNAV RWY 04 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.10 STAR RNAV RWY 04 - 3/4 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.10 STAR RNAV RWY 13 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.10 STAR RNAV RWY 13 - 3/4 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.10 STAR RNAV RWY 31 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.10 STAR RNAV RWY 31 - 3/4 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.11 ATCSMAC - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.12 IAC VOR RWY 04 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.12 IAC L y RWY 13 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.12 IAC L z RWY 13 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.12 IAC VOR RWY 13 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.12 IAC ILS or LOC RWY 13 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.12 IAC L RWY 31 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.12 IAC VOR RWY 31 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.12 IAC RNP RWY 04 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.12 IAC RNP RWY 04 - 3/4 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.12 IAC RNP Y RWY 13 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.12 IAC RNP Y RWY 13 - 3/4 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.12 IAC RNP Z RWY 13 - 1/2 15 MAY 2025 / 15 MAY

Izvadite sljedeće stranice:

SEP 2024
LDZA AD 2.24.10 STAR RNAV RWY 04 - 3/4 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.10 STAR RWY 22 - 1/2 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.10 STAR RNAV RWY 22 - 1/2 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.10 STAR RNAV RWY 22 - 3/4 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.11 ATCSMAC - 1/2 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.12 IAC L RWY 04 - 1/2 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.12 IAC ILS y or LOC y RWY 04 - 1/2 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.12 IAC ILS z or LOC z RWY 04 - 1/2 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.12 IAC L RWY 22 - 1/2 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.12 IAC ILS y or LOC y RWY 22 - 1/2 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.12 IAC ILS z or LOC z RWY 22 - 1/2 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.12 IAC RNP RWY 04 - 1/2 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.12 IAC RNP RWY 04 - 3/4 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.12 IAC RNP RWY 22 - 1/2 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.12 IAC RNP RWY 22 - 3/4 05 SEP 2024 / 05 SEP 2024
LDZA AD 2.24.13 VOC - 1/2 05 SEP 2024 / 05 SEP 2024
LDZD AD 2 - 15/16 13 JUN 2024 / 13 JUN 2024
LDZD AD 2.24.8 SID RWY 04 - 1/2 16 MAY 2024 / 16 MAY 2024
LDZD AD 2.24.8 SID RNAV RWY 04 - 1/2 16 MAY 2024 / 16 MAY 2024
LDZD AD 2.24.8 SID RNAV RWY 04 - 3/4 16 MAY 2024 / 16 MAY 2024
LDZD AD 2.24.8 SID RWY 13 - 1/2 18 APR 2024 / 18 APR 2024
LDZD AD 2.24.8 SID RNAV RWY 13 - 1/2 18 APR 2024 / 18 APR 2024
LDZD AD 2.24.8 SID RNAV RWY 13 - 3/4 18 APR 2024 / 18 APR 2024
LDZD AD 2.24.8 SID RWY 22 - 1/2 16 MAY 2024 / 16 MAY 2024
LDZD AD 2.24.8 SID RNAV RWY 22 - 1/2 16 MAY 2024 / 16 MAY 2024
LDZD AD 2.24.8 SID RWY 31 - 1/2 18 APR 2024 / 18 APR 2024
LDZD AD 2.24.8 SID RNAV RWY 31 - 1/2 18 APR 2024 / 18 APR 2024
LDZD AD 2.24.8 SID RNAV RWY 31 - 3/4 18 APR 2024 / 18 APR 2024
LDZD AD 2.24.10 STAR RWY 04 & 13/31 - 1/2 18 APR 2024 / 18 APR 2024
LDZD AD 2.24.10 STAR RNAV RWY 04 - 1/2 16 MAY 2024 / 16 MAY 2024
LDZD AD 2.24.10 STAR RNAV RWY 04 - 3/4 16 MAY 2024 / 16 MAY 2024
LDZD AD 2.24.10 STAR RNAV RWY 13 - 1/2 18 APR 2024 / 18 APR 2024
LDZD AD 2.24.10 STAR RNAV RWY 13 - 3/4 18 APR 2024 / 18 APR 2024
LDZD AD 2.24.10 STAR RNAV RWY 31 - 1/2 18 APR 2024 / 18 APR 2024
LDZD AD 2.24.10 STAR RNAV RWY 31 - 3/4 18 APR 2024 / 18 APR 2024
LDZD AD 2.24.11 ATCSMAC - 1/2 18 APR 2024 / 18 APR 2024
LDZD AD 2.24.12 IAC VOR RWY 04 - 1/2 16 MAY 2024 / 16 MAY 2024
LDZD AD 2.24.12 IAC L y RWY 13 - 1/2 18 APR 2024 / 18 APR 2024
LDZD AD 2.24.12IAC L z RWY 13 - 1/2 18 APR 2024 / 18 APR 2024
LDZD AD 2.24.12IAC VOR RWY 13 - 1/2 18 APR 2024 / 18 APR 2024
LDZD AD 2.24.12 IAC ILS or LOC RWY 13 - 1/2 18 APR 2024 / 18 APR 2024
LDZD AD 2.24.12 IAC L RWY 31 - 1/2 16 MAY 2024 / 16 MAY 2024
LDZD AD 2.24.12 IAC VOR RWY 31 - 1/2 16 MAY 2024 / 16 MAY 2024
LDZD AD 2.24.12 IAC RNP RWY 04 - 1/2 16 MAY 2024 / 16 MAY 2024
LDZD AD 2.24.12 IAC RNP RWY 04 - 3/4 16 MAY 2024 / 16 MAY 2024
LDZD AD 2.24.12 IAC RNP Y RWY 13 - 1/2 18 APR 2024 / 18 APR 2024
LDZD AD 2.24.12 IAC RNP Y RWY 13 - 3/4 18 APR 2024 / 18 APR 2024
LDZD AD 2.24.12 IAC RNP Z RWY 13 - 1/2 18 APR 2024 / 18 APR

Umetnite sljedeće stranice:

2025
LDZD AD 2.24.12 IAC RNP Z RWY 13 - 3/4 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.12 IAC RNP RWY 31 - 1/2 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.12 IAC RNP RWY 31 - 3/4 15 MAY 2025 / 15 MAY 2025
LDZD AD 2.24.13 VOC - 1/2 15 MAY 2025 / 15 MAY 2025

Izvadite sljedeće stranice:

2024
LDZD AD 2.24.12 IAC RNP Z RWY 13 - 3/4 18 APR 2024 / 18 APR 2024
LDZD AD 2.24.12 IAC RNP RWY 31 - 1/2 16 MAY 2024 / 16 MAY 2024
LDZD AD 2.24.12 IAC RNP RWY 31 - 3/4 16 MAY 2024 / 16 MAY 2024
LDZD AD 2.24.13 VOC - 1/2 18 APR 2024 / 18 APR 2024

AIRAC AIP IZMJENA			
Broj/Godina	*Datum izdavanja*	*Datum stupanja na snagu*	*Izmjenu unio*
012/2024	14-Nov-2024	26-Dec-2024	
013/2024	12 DEC 2024	23 JAN 2025	
001/2025	09 JAN 2025	20 FEB 2025	
002/2025	06 FEB 2025	20 MAR 2025	
003/2025	06 MAR 2025	17 APR 2025	
004/2025	03 APR 2025	15 MAY 2025	

AIP IZMJENA			
Broj/Godina	*Datum izdavanja*	*Datum unošenja izmjene*	*Izmjenu unio*
002/2012	13-Apr-2012	13-Apr-2012	
001/2014	22-Aug-2014	22-Aug-2014	
001/2015	01-Feb-2015	01-Feb-2015	
002/2015	01-Jun-2015	01-Jun-2015	
003/2015	11-Jun-2015	23-Jul-2015	
004/2015	26-Oct-2015	26-Oct-2015	
001/2016	22-Jan-2016	22-Jan-2016	
002/2016	15-Mar-2016	15-Mar-2016	
003/2016	02-Aug-2016	02-Aug-2016	
001/2017	06-Jan-2017	06-Jan-2017	
002/2017	06-Jul-2017	21-Jul-2017	
001/2019	02-Jul-2019	19-Jul-2019	
002/2019	20-Nov-2019	06-Dec-2019	
001/2020	31-Aug-2020	14-Sep-2020	

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GEN 0.4 KONTROLNI POPIS STRANICA AIP-A

PART 1 - GENERAL (GEN)

Stranica	Datum
GEN 0.1 - 1	23 MAR 2023
GEN 0.1 - 2	23 MAR 2023
GEN 0.1 - 3	23 MAR 2023
GEN 0.1 - 4	20 FEB 2025
GEN 0.2 - 1	27 JAN 2022
GEN 0.2 - 2	13 SEP 2018
GEN 0.2 - 3	02 DEC 2021
GEN 0.2 - 4	28 NOV 2024
GEN 0.2 - 5	15 MAY 2025
GEN 0.2 - 6	26 DEC 2024
GEN 0.3 - 1	17 APR 2025
GEN 0.3 - 2	01 FEB 2018
GEN 0.4 - 1	15 MAY 2025
GEN 0.4 - 2	15 MAY 2025
GEN 0.4 - 3	15 MAY 2025
GEN 0.4 - 4	15 MAY 2025
GEN 0.4 - 5	15 MAY 2025
GEN 0.4 - 6	15 MAY 2025
GEN 0.4 - 7	15 MAY 2025
GEN 0.4 - 8	15 MAY 2025
GEN 0.4 - 9	15 MAY 2025
GEN 0.4 - 10	15 MAY 2025
GEN 0.5 - 1	28 NOV 2024
GEN 0.5 - 2	15 MAY 2025
GEN 0.5 - 3	15 MAY 2025
GEN 0.5 - 4	15 MAY 2025
GEN 0.6 - 1	17 APR 2025
GEN 0.6 - 2	17 APR 2025
GEN 0.6 - 3	17 APR 2025
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PART 2 - EN-ROUTE (ENR)

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PART 3 - AERODROMES (AD)

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LDDU AD 2 - 26	20 MAR 2025
LDDU AD 2 - 27	20 MAR 2025
LDDU AD 2 - 28	
LDDU AD 2.24.1 ADC - 1	21 MAY 2020
LDDU AD 2.24.1 ADC - 2	21 MAY 2020
LDDU AD 2.24.2 APDC - 1	13 JUN 2024
LDDU AD 2.24.2 APDC - 2	13 JUN 2024
LDDU AD 2.24.4 AOC RWY 11 - 1	20 FEB 2025
LDDU AD 2.24.4 AOC RWY 29 - 1	28 NOV 2024
LDDU AD 2.24.8 SID RWY 11 - 1	15 MAY 2025
LDDU AD 2.24.8 SID RWY 11 - 2	15 MAY 2025
LDDU AD 2.24.8 SID RNAV RWY 11 - 1	15 MAY 2025
LDDU AD 2.24.8 SID RNAV RWY 11 - 2	15 MAY 2025
LDDU AD 2.24.8 SID RNAV RWY 11 - 3	15 MAY 2025
LDDU AD 2.24.8 SID RNAV RWY 11 - 4	15 MAY 2025
LDDU AD 2.24.8 SID RWY 29 - 1	15 MAY 2025
LDDU AD 2.24.8 SID RWY 29 - 2	15 MAY 2025
LDDU AD 2.24.8 SID RNAV RWY 29 - 1	15 MAY 2025
LDDU AD 2.24.8 SID RNAV RWY 29 - 2	15 MAY 2025
LDDU AD 2.24.10 STAR RWY 11 - 1	15 MAY 2025
LDDU AD 2.24.10 STAR RWY 11 - 2	15 MAY 2025
LDDU AD 2.24.10 STAR RNAV RWY 11 - 1	15 MAY 2025
LDDU AD 2.24.10 STAR RNAV RWY 11 - 2	15 MAY 2025
LDDU AD 2.24.10 STAR RNAV RWY 11 - 3	15 MAY 2025
LDDU AD 2.24.10 STAR RNAV RWY 11 - 4	15 MAY 2025
LDDU AD 2.24.10 STAR RNAV RWY 11 - 5	15 MAY 2025
LDDU AD 2.24.10 STAR RNAV RWY 11 - 6	15 MAY 2025
LDDU AD 2.24.10 STAR RNAV RWY 29 - 1	15 MAY 2025
LDDU AD 2.24.10 STAR RNAV RWY 29 - 2	15 MAY 2025
LDDU AD 2.24.10 STAR RNAV RWY 29 - 3	15 MAY 2025
LDDU AD 2.24.10 STAR RNAV RWY 29 - 4	15 MAY 2025
LDDU AD 2.24.10 STAR RNAV RWY 29 - 5	15 MAY 2025
LDDU AD 2.24.10 STAR RNAV RWY 29 - 6	15 MAY 2025
LDDU AD 2.24.11 ATCSMAC - 1	15 MAY 2025
LDDU AD 2.24.11 ATCSMAC - 2	15 MAY 2025
LDDU AD 2.24.12 IAC VOR RWY 11 - 1	15 MAY 2025
LDDU AD 2.24.12 IAC VOR RWY 11 - 2	15 MAY 2025
LDDU AD 2.24.12 IAC ILSy or LOCy RWY 11 - 1	15 MAY 2025
LDDU AD 2.24.12 IAC ILSy or LOCy RWY 11 - 2	15 MAY 2025
LDDU AD 2.24.12 IAC ILSz or LOCz RWY 11 - 1	15 MAY 2025
LDDU AD 2.24.12 IAC ILSz or LOCz RWY 11 - 2	15 MAY 2025
LDDU AD 2.24.12 IAC RNP-b RWY 29 - 1	15 MAY 2025
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LDDU AD 2.24.12 IAC RNP-b RWY 29 - 3	15 MAY 2025
LDDU AD 2.24.12 IAC RNP-b RWY 29 - 4	15 MAY 2025
LDDU AD 2.24.12 IAC RNP RWY 11 - 1	15 MAY 2025
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LDDU AD 2.24.12 IAC RNP RWY 11 - 3	15 MAY 2025
LDDU AD 2.24.12 IAC RNP RWY 11 - 4	15 MAY 2025
LDDU AD 2.24.12 IAC RNP RWY 29 (AR) - 1	15 MAY 2025
LDDU AD 2.24.12 IAC RNP RWY 29 (AR) - 2	15 MAY 2025
LDDU AD 2.24.13 VAC RWY 29 - 1	15 MAY 2025
LDDU AD 2.24.13 VAC RWY 29 - 2	15 MAY 2025
LDDU AD 2.24.13 VOC - 1	15 MAY 2025
LDDU AD 2.24.13 VOC - 2	15 MAY 2025
LDDU AD 2.24.14 BC - 1	28 MAR 2019
LDDU AD 2.24.14 BC - 2	28 MAR 2019
LDLO AD 2 - 1	16 MAY 2024
LDLO AD 2 - 2	28 NOV 2024
LDLO AD 2 - 3	28 NOV 2024
LDLO AD 2 - 4	20 FEB 2025
LDLO AD 2 - 5	20 FEB 2025
LDLO AD 2 - 6	20 FEB 2025
LDLO AD 2 - 7	28 NOV 2024
LDLO AD 2 - 8	28 NOV 2024
LDLO AD 2 - 9	28 NOV 2024
LDLO AD 2 - 10	28 NOV 2024
LDLO AD 2 - 11	28 NOV 2024
LDLO AD 2 - 12	28 NOV 2024
LDLO AD 2 - 13	28 NOV 2024
LDLO AD 2 - 14	28 NOV 2024
LDLO AD 2 - 15	28 NOV 2024
LDLO AD 2 - 16	28 NOV 2024
LDLO AD 2.24.1 ADC - 1	23 FEB 2023
LDLO AD 2.24.1 ADC - 2	23 FEB 2023
LDLO AD 2.24.2 APDC - 1	25 APR 2019
LDLO AD 2.24.2 APDC - 2	25 APR 2019
LDLO AD 2.24.4 AOC RWY 02/20 - 1	25 APR 2019
LDLO AD 2.24.8 SID RWY 02 - 1	15 MAY 2025
LDLO AD 2.24.8 SID RWY 02 - 2	15 MAY 2025
LDLO AD 2.24.8 SID RNAV RWY 02 CAT A & B - 1	15 MAY 2025
LDLO AD 2.24.8 SID RNAV RWY 02 CAT A & B - 2	15 MAY 2025
LDLO AD 2.24.8 SID RWY 20 - 1	15 MAY 2025
LDLO AD 2.24.8 SID RWY 20 - 2	15 MAY 2025
LDLO AD 2.24.8 SID RNAV RWY 20 CAT A & B - 1	15 MAY 2025
LDLO AD 2.24.8 SID RNAV RWY 20 CAT A & B - 2	15 MAY 2025
LDLO AD 2.24.10 STAR RWY 02/20 - 1	15 MAY 2025
LDLO AD 2.24.10 STAR RWY 02/20 - 2	15 MAY 2025
LDLO AD 2.24.10 STAR RNAV RWY 02 CAT A & B - 1	15 MAY 2025
LDLO AD 2.24.10 STAR RNAV RWY 02 CAT A & B - 2	15 MAY 2025
LDLO AD 2.24.10 STAR RNAV RWY 20 CAT & B - 1	15 MAY 2025
LDLO AD 2.24.10 STAR RNAV RWY 20 CAT & B - 2	15 MAY 2025
LDLO AD 2.24.12 IAC NDB-a RWY 02/20 CAT A&B - 1	15 MAY 2025
LDLO AD 2.24.12 IAC NDB-a RWY 02/20 CAT A&B - 2	15 MAY 2025
LDLO AD 2.24.12 IAC VOR RWY 02 CAT A&B - 1	15 MAY 2025
LDLO AD 2.24.12 IAC VOR RWY 02 CAT A&B - 2	15 MAY 2025
LDLO AD 2.24.12 IAC RNP RWY 02 - 1	15 MAY 2025
LDLO AD 2.24.12 IAC RNP RWY 02 - 2	15 MAY 2025
LDLO AD 2.24.12 IAC RNP RWY 02 - 3	15 MAY 2025
LDLO AD 2.24.12 IAC RNP RWY 02 - 4	15 MAY 2025

Stranica	Datum
LDLO AD 2.24.12 IAC RNP RWY 20 (LPV & LNAV/VNAV only) - 1	15 MAY 2025
LDLO AD 2.24.12 IAC RNP RWY 20 (LPV & LNAV/VNAV only) - 2	15 MAY 2025
LDLO AD 2.24.12 IAC RNP RWY 20 (LPV & LNAV/VNAV only) - 3	15 MAY 2025
LDLO AD 2.24.12 IAC RNP RWY 20 (LPV & LNAV/VNAV only) - 4	15 MAY 2025
LDLO AD 2.24.13 VOC - 1	15 MAY 2025
LDLO AD 2.24.13 VOC - 2	15 MAY 2025
LDOS AD 2 - 1	30 NOV 2023
LDOS AD 2 - 2	16 MAY 2024
LDOS AD 2 - 3	08 AUG 2024
LDOS AD 2 - 4	23 JAN 2025
LDOS AD 2 - 5	20 FEB 2025
LDOS AD 2 - 6	30 NOV 2023
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LDOS AD 2 - 8	28 DEC 2023
LDOS AD 2 - 9	18 APR 2024
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LDOS AD 2 - 12	23 JAN 2025
LDOS AD 2 - 13	23 JAN 2025
LDOS AD 2 - 14	23 JAN 2025
LDOS AD 2 - 15	23 JAN 2025
LDOS AD 2 - 16	23 JAN 2025
LDOS AD 2.24.1 ADC - 1	23 JAN 2025
LDOS AD 2.24.1 ADC - 2	23 JAN 2025
LDOS AD 2.24.2 APDC - 1	18 APR 2024
LDOS AD 2.24.2 APDC - 2	18 APR 2024
LDOS AD 2.24.4 AOC RWY 11/29 - 1	20 JUN 2019
LDOS AD 2.24.8 SID RWY 11 - 1	15 MAY 2025
LDOS AD 2.24.8 SID RWY 11 - 2	15 MAY 2025
LDOS AD 2.24.8 SID RNP RWY 11 - 1	15 MAY 2025
LDOS AD 2.24.8 SID RNP RWY 11 - 2	15 MAY 2025
LDOS AD 2.24.8 SID RWY 29 - 1	15 MAY 2025
LDOS AD 2.24.8 SID RWY 29 - 2	15 MAY 2025
LDOS AD 2.24.8 SID RNP RWY 29 - 1	15 MAY 2025
LDOS AD 2.24.8 SID RNP RWY 29 - 2	15 MAY 2025
LDOS AD 2.24.10 STAR RWY 11 - 1	15 MAY 2025
LDOS AD 2.24.10 STAR RWY 11 - 2	15 MAY 2025
LDOS AD 2.24.10 STAR RNP RWY 11 - 1	15 MAY 2025
LDOS AD 2.24.10 STAR RNP RWY 11 - 2	15 MAY 2025
LDOS AD 2.24.10 STAR RWY 29 - 1	15 MAY 2025
LDOS AD 2.24.10 STAR RWY 29 - 2	15 MAY 2025
LDOS AD 2.24.10 STAR RNP RWY 29 - 1	15 MAY 2025
LDOS AD 2.24.10 STAR RNP RWY 29 - 2	15 MAY 2025
LDOS AD 2.24.11 ATCSMAC - 1	15 MAY 2025
LDOS AD 2.24.11 ATCSMAC - 2	15 MAY 2025
LDOS AD 2.24.12 IAC L RWY 11 - 1	15 MAY 2025
LDOS AD 2.24.12 IAC L RWY 11 - 2	15 MAY 2025
LDOS AD 2.24.12 IAC ILS or LOC RWY 11 - 1	15 MAY 2025
LDOS AD 2.24.12 IAC ILS or LOC RWY 11 - 2	15 MAY 2025
LDOS AD 2.24.12 IAC NDB RWY 11 - 1	15 MAY 2025
LDOS AD 2.24.12 IAC NDB RWY 11 - 2	15 MAY 2025
LDOS AD 2.24.12 IAC NDB RWY 29 - 1	15 MAY 2025
LDOS AD 2.24.12 IAC NDB RWY 29 - 2	15 MAY 2025
LDOS AD 2.24.12 IAC ILSx or LOCx RWY 29 CAT A&B - 1	15 MAY 2025
LDOS AD 2.24.12 IAC ILSx or LOCx RWY 29 CAT A&B - 2	15 MAY 2025
LDOS AD 2.24.12 IAC ILSy or LOCy RWY 29 - 1	15 MAY 2025
LDOS AD 2.24.12 IAC ILSy or LOCy RWY 29 - 2	15 MAY 2025
LDOS AD 2.24.12 IAC ILS z or LOC z RWY 29 - 1	15 MAY 2025
LDOS AD 2.24.12 IAC ILS z or LOC z RWY 29 - 2	15 MAY 2025
LDOS AD 2.24.12 IAC RNP RWY 11 - 1	15 MAY 2025
LDOS AD 2.24.12 IAC RNP RWY 11 - 2	15 MAY 2025
LDOS AD 2.24.12 IAC RNP RWY 11 - 3	15 MAY 2025
LDOS AD 2.24.12 IAC RNP RWY 11 - 4	15 MAY 2025
LDOS AD 2.24.12 IAC RNP-a RWY 29 - 1	15 MAY 2025
LDOS AD 2.24.12 IAC RNP-a RWY 29 - 2	15 MAY 2025
LDOS AD 2.24.13 VOC - 1	15 MAY 2025
LDOS AD 2.24.13 VOC - 2	15 MAY 2025
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LDPL AD 2 - 7	13 JUN 2024
LDPL AD 2 - 8	30 NOV 2023
LDPL AD 2 - 9	03 OCT 2024
LDPL AD 2 - 10	15 JUN 2023
LDPL AD 2 - 11	15 MAY 2025
LDPL AD 2 - 12	15 MAY 2025
LDPL AD 2 - 13	15 MAY 2025
LDPL AD 2 - 14	15 MAY 2025
LDPL AD 2 - 15	15 MAY 2025
LDPL AD 2 - 16	15 MAY 2025
LDPL AD 2 - 17	15 MAY 2025
LDPL AD 2 - 18	15 MAY 2025
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LDPL AD 2.24.2 APDC - 2	20 MAR 2025
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LDPL AD 2.24.8 SID RWY 09 - 2	15 MAY 2025
LDPL AD 2.24.8 SID RNAV RWY 09 - 1	15 MAY 2025
LDPL AD 2.24.8 SID RNAV RWY 09 - 2	15 MAY 2025
LDPL AD 2.24.8 SID RNAV RWY 09 - 3	15 MAY 2025
LDPL AD 2.24.8 SID RNAV RWY 09 - 4	15 MAY 2025
LDPL AD 2.24.8 SID RWY 27 - 1	15 MAY 2025
LDPL AD 2.24.8 SID RWY 27 - 2	15 MAY 2025
LDPL AD 2.24.8 SID RNAV RWY 27 - 1	15 MAY 2025
LDPL AD 2.24.8 SID RNAV RWY 27 - 2	15 MAY 2025
LDPL AD 2.24.8 SID RNAV RWY 27 - 3	15 MAY 2025
LDPL AD 2.24.8 SID RNAV RWY 27 - 4	15 MAY 2025
LDPL AD 2.24.10 STAR RWY 09 - 1	15 MAY 2025
LDPL AD 2.24.10 STAR RWY 09 - 2	15 MAY 2025
LDPL AD 2.24.10 STAR RWY 27 - 1	15 MAY 2025
LDPL AD 2.24.10 STAR RWY 27 - 2	15 MAY 2025
LDPL AD 2.24.10 STAR RNAV RWY 09 - 1	15 MAY 2025
LDPL AD 2.24.10 STAR RNAV RWY 09 - 2	15 MAY 2025
LDPL AD 2.24.10 STAR RNAV RWY 09 - 3	15 MAY 2025
LDPL AD 2.24.10 STAR RNAV RWY 09 - 4	15 MAY 2025
LDPL AD 2.24.10 STAR RNAV RWY 27 - 1	15 MAY 2025
LDPL AD 2.24.10 STAR RNAV RWY 27 - 2	15 MAY 2025
LDPL AD 2.24.10 STAR RNAV RWY 27 - 3	15 MAY 2025
LDPL AD 2.24.10 STAR RNAV RWY 27 - 4	15 MAY 2025
LDPL AD 2.24.11 ATCSMAC - 1	15 MAY 2025
LDPL AD 2.24.11 ATCSMAC - 2	15 MAY 2025
LDPL AD 2.24.12 IAC VOR RWY 09 - 1	15 MAY 2025
LDPL AD 2.24.12 IAC VOR RWY 09 - 2	15 MAY 2025
LDPL AD 2.24.12 IAC VOR RWY 27 - 1	15 MAY 2025
LDPL AD 2.24.12 IAC VOR RWY 27 - 2	15 MAY 2025
LDPL AD 2.24.12 IAC ILS y or LOC y RWY 27 - 1	15 MAY 2025
LDPL AD 2.24.12 IAC ILS y or LOC y RWY 27 - 2	15 MAY 2025
LDPL AD 2.24.12 IAC ILS z or LOC z RWY 27 - 1	15 MAY 2025
LDPL AD 2.24.12 IAC ILS z or LOC z RWY 27 - 2	15 MAY 2025
LDPL AD 2.24.12 IAC RNP RWY 09 - 1	15 MAY 2025
LDPL AD 2.24.12 IAC RNP RWY 09 - 2	15 MAY 2025
LDPL AD 2.24.12 IAC RNP RWY 09 - 3	15 MAY 2025
LDPL AD 2.24.12 IAC RNP RWY 09 - 4	15 MAY 2025
LDPL AD 2.24.12 IAC RNP RWY 27 - 1	15 MAY 2025
LDPL AD 2.24.12 IAC RNP RWY 27 - 2	15 MAY 2025
LDPL AD 2.24.12 IAC RNP RWY 27 - 3	15 MAY 2025
LDPL AD 2.24.12 IAC RNP RWY 27 - 4	15 MAY 2025
LDPL AD 2.24.13 VOC - 1	15 MAY 2025
LDPL AD 2.24.13 VOC - 2	15 MAY 2025
LDPL AD 2.24.14 BC - 1	08 MAR 2012
LDPL AD 2.24.14 BC - 2	08 MAR 2012
LDRI AD 2 - 1	17 APR 2025
LDRI AD 2 - 2	17 APR 2025
LDRI AD 2 - 3	08 AUG 2024
LDRI AD 2 - 4	20 FEB 2025
LDRI AD 2 - 5	20 FEB 2025
LDRI AD 2 - 6	08 AUG 2024
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LDRI AD 2 - 8	17 APR 2025
LDRI AD 2 - 9	08 AUG 2024
LDRI AD 2 - 10	08 AUG 2024
LDRI AD 2 - 11	17 APR 2025
LDRI AD 2 - 12	08 AUG 2024
LDRI AD 2 - 13	15 MAY 2025
LDRI AD 2 - 14	08 AUG 2024
LDRI AD 2.24.1 ADC - 1	13 AUG 2020
LDRI AD 2.24.1 ADC - 2	13 AUG 2020
LDRI AD 2.24.2 APDC - 1	03 NOV 2022
LDRI AD 2.24.2 APDC - 2	03 NOV 2022
LDRI AD 2.24.4 AOC RWY 14/32 - 1	28 MAR 2019
LDRI AD 2.24.8 SID RWY 14 - 1	15 MAY 2025
LDRI AD 2.24.8 SID RWY 14 - 2	15 MAY 2025
LDRI AD 2.24.8 SID RNAV RWY 14 - 1	15 MAY 2025
LDRI AD 2.24.8 SID RNAV RWY 14 - 2	15 MAY 2025
LDRI AD 2.24.8 SID RNAV RWY 14 - 3	15 MAY 2025

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Stranica	Datum
LDRI AD 2.24.8 SID RNAV RWY 14 - 4	15 MAY 2025
LDRI AD 2.24.8 SID RWY 32 - 1	15 MAY 2025
LDRI AD 2.24.8 SID RWY 32 - 2	15 MAY 2025
LDRI AD 2.24.8 SID RNAV RWY 32 - 1	15 MAY 2025
LDRI AD 2.24.8 SID RNAV RWY 32 - 2	15 MAY 2025
LDRI AD 2.24.8 SID RNAV RWY 32 - 3	15 MAY 2025
LDRI AD 2.24.8 SID RNAV RWY 32 - 4	15 MAY 2025
LDRI AD 2.24.10 STAR RWY 14/32 - 1	15 MAY 2025
LDRI AD 2.24.10 STAR RWY 14/32 - 2	15 MAY 2025
LDRI AD 2.24.10 STAR RNAV RWY 14 - 1	15 MAY 2025
LDRI AD 2.24.10 STAR RNAV RWY 14 - 2	15 MAY 2025
LDRI AD 2.24.10 STAR RNAV RWY 32 - 1	15 MAY 2025
LDRI AD 2.24.10 STAR RNAV RWY 32 - 2	15 MAY 2025
LDRI AD 2.24.10 STAR RNAV RWY 32 - 3	15 MAY 2025
LDRI AD 2.24.10 STAR RNAV RWY 32 - 4	15 MAY 2025
LDRI AD 2.24.12 IAC VOR RWY 14 - 1	15 MAY 2025
LDRI AD 2.24.12 IAC VOR RWY 14 - 2	15 MAY 2025
LDRI AD 2.24.12 IAC ILS y or LOC y RWY 14 - 1	15 MAY 2025
LDRI AD 2.24.12 IAC ILS y or LOC y RWY 14 - 2	15 MAY 2025
LDRI AD 2.24.12 IAC ILS z or LOC z RWY 14 - 1	15 MAY 2025
LDRI AD 2.24.12 IAC ILS z or LOC z RWY 14 - 2	15 MAY 2025
LDRI AD 2.24.12 IAC ILS z or LOC z RWY 14 - 3	15 MAY 2025
LDRI AD 2.24.12 IAC ILS z or LOC z RWY 14 - 4	15 MAY 2025
LDRI AD 2.24.12 IAC VOR RWY 32 - 1	15 MAY 2025
LDRI AD 2.24.12 IAC VOR RWY 32 - 2	15 MAY 2025
LDRI AD 2.24.12 IAC RNP RWY 14 - 1	15 MAY 2025
LDRI AD 2.24.12 IAC RNP RWY 14 - 2	15 MAY 2025
LDRI AD 2.24.12 IAC RNP RWY 14 - 3	15 MAY 2025
LDRI AD 2.24.12 IAC RNP RWY 14 - 4	15 MAY 2025
LDRI AD 2.24.12 IAC RNP RWY 32 - 1	15 MAY 2025
LDRI AD 2.24.12 IAC RNP RWY 32 - 2	15 MAY 2025
LDRI AD 2.24.12 IAC RNP RWY 32 - 3	15 MAY 2025
LDRI AD 2.24.12 IAC RNP RWY 32 - 4	15 MAY 2025
LDRI AD 2.24.13 VOC - 1	15 MAY 2025
LDRI AD 2.24.13 VOC - 2	15 MAY 2025
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LDSB AD 2 - 8	30 NOV 2023
LDSB AD 2 - 9	28 DEC 2023
LDSB AD 2 - 10	28 DEC 2023
LDSB AD 2 - 11	13 JUL 2023
LDSB AD 2 - 12	13 JUL 2023
LDSB AD 2 - 13	08 AUG 2024
LDSB AD 2 - 14	13 JUL 2023
LDSB AD 2.24.1 ADC - 1	07 SEP 2023
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LDSB AD 2.24.2 APDC - 1	20 JUN 2019
LDSB AD 2.24.2 APDC - 2	20 JUN 2019
LDSB AD 2.24.4 AOC RWY 03/21 - 1	20 MAY 2021
LDSB AD 2.24.8 SID RWY 03 CAT A/B&C - 1	15 MAY 2025
LDSB AD 2.24.8 SID RWY 03 CAT A/B&C - 2	15 MAY 2025
LDSB AD 2.24.8 SID RNAV RWY 03 - 1	15 MAY 2025
LDSB AD 2.24.8 SID RNAV RWY 03 - 2	15 MAY 2025
LDSB AD 2.24.8 SID RWY 21 CAT A/B&C - 1	15 MAY 2025
LDSB AD 2.24.8 SID RWY 21 CAT A/B&C - 2	15 MAY 2025
LDSB AD 2.24.8 SID RNAV RWY 21 - 1	15 MAY 2025
LDSB AD 2.24.8 SID RNAV RWY 21 - 2	15 MAY 2025
LDSB AD 2.24.10 STAR RWY 03/21 CAT A/B&C - 1	15 MAY 2025
LDSB AD 2.24.10 STAR RWY 03/21 CAT A/B&C - 2	15 MAY 2025
LDSB AD 2.24.10 STAR RNAV RWY 03/21 - 1	15 MAY 2025
LDSB AD 2.24.10 STAR RNAV RWY 03/21 - 2	15 MAY 2025
LDSB AD 2.24.12 IAC NDB RWY 03 - 1	15 MAY 2025
LDSB AD 2.24.12 IAC NDB RWY 03 - 2	15 MAY 2025
LDSB AD 2.24.12 IAC VOR-a RWY 03/21 - 1	15 MAY 2025
LDSB AD 2.24.12 IAC VOR-a RWY 03/21 - 2	15 MAY 2025
LDSB AD 2.24.12 IAC NDB-a RWY 21 - 1	15 MAY 2025
LDSB AD 2.24.12 IAC NDB-a RWY 21 - 2	15 MAY 2025
LDSB AD 2.24.12 IAC NDB RWY 21 - 1	15 MAY 2025
LDSB AD 2.24.12 IAC NDB RWY 21 - 2	15 MAY 2025
LDSB AD 2.24.12 IAC RNP RWY 03 - 1	15 MAY 2025
LDSB AD 2.24.12 IAC RNP RWY 03 - 2	15 MAY 2025
LDSB AD 2.24.12 IAC RNP RWY 03 - 3	15 MAY 2025
LDSB AD 2.24.12 IAC RNP RWY 03 - 4	15 MAY 2025
LDSB AD 2.24.12 IAC RNP RWY 21 - 1	15 MAY 2025
LDSB AD 2.24.12 IAC RNP RWY 21 - 2	15 MAY 2025
LDSB AD 2.24.12 IAC RNP RWY 21 - 3	15 MAY 2025
LDSB AD 2.24.12 IAC RNP RWY 21 - 3	

Stranica	Datum
LDSB AD 2.24.12 IAC RNP RWY 21 - 4	15 MAY 2025
LDSB AD 2.24.13 VOC - 1	15 MAY 2025
LDSB AD 2.24.13 VOC - 2	15 MAY 2025
LDSP AD 2 - 1	08 AUG 2024
LDSP AD 2 - 2	30 NOV 2023
LDSP AD 2 - 3	08 AUG 2024
LDSP AD 2 - 4	08 AUG 2024
LDSP AD 2 - 5	20 FEB 2025
LDSP AD 2 - 6	20 FEB 2025
LDSP AD 2 - 7	20 FEB 2025
LDSP AD 2 - 8	20 FEB 2025
LDSP AD 2 - 9	20 FEB 2025
LDSP AD 2 - 10	20 FEB 2025
LDSP AD 2 - 11	20 FEB 2025
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LDSP AD 2 - 26	20 FEB 2025
LDSP AD 2 - 27	20 FEB 2025
LDSP AD 2 - 28	20 FEB 2025
LDSP AD 2 - 29	20 FEB 2025
LDSP AD 2 - 30	20 FEB 2025
LDSP AD 2.24.1 ADC - 1	28 DEC 2023
LDSP AD 2.24.1 ADC - 2	28 DEC 2023
LDSP AD 2.24.2 APDC - 1	28 DEC 2023
LDSP AD 2.24.2 APDC - 2	28 DEC 2023
LDSP AD 2.24.4 AOC RWY 05 - 1	20 JUN 2019
LDSP AD 2.24.4 AOC RWY 23 - 1	20 JUN 2019
LDSP AD 2.24.8 SID RWY 05 - 1	15 MAY 2025
LDSP AD 2.24.8 SID RWY 05 - 2	15 MAY 2025
LDSP AD 2.24.8 SID RNAV RWY 05 - 1	15 MAY 2025
LDSP AD 2.24.8 SID RNAV RWY 05 - 2	15 MAY 2025
LDSP AD 2.24.8 SID RNAV RWY 05 - 3	15 MAY 2025
LDSP AD 2.24.8 SID RNAV RWY 05 - 4	15 MAY 2025
LDSP AD 2.24.8 SID RWY 23 - 1	15 MAY 2025
LDSP AD 2.24.8 SID RWY 23 - 2	15 MAY 2025
LDSP AD 2.24.8 SID RNAV RWY 23 - 1	15 MAY 2025
LDSP AD 2.24.8 SID RNAV RWY 23 - 2	15 MAY 2025
LDSP AD 2.24.8 SID RNAV RWY 23 - 3	15 MAY 2025
LDSP AD 2.24.8 SID RNAV RWY 23 - 4	15 MAY 2025
LDSP AD 2.24.10 STAR RWY 05 - 1	15 MAY 2025
LDSP AD 2.24.10 STAR RWY 05 - 2	15 MAY 2025
LDSP AD 2.24.10 STAR RNAV RWY 05 - 1	15 MAY 2025
LDSP AD 2.24.10 STAR RNAV RWY 05 - 2	15 MAY 2025
LDSP AD 2.24.10 STAR RNAV RWY 05 - 3	15 MAY 2025
LDSP AD 2.24.10 STAR RNAV RWY 05 - 4	15 MAY 2025
LDSP AD 2.24.10 STAR RNAV RWY 05 - 5	15 MAY 2025
LDSP AD 2.24.10 STAR RNAV RWY 05 - 6	15 MAY 2025
LDSP AD 2.24.10 STAR RWY 23 - 1	15 MAY 2025
LDSP AD 2.24.10 STAR RWY 23 - 2	15 MAY 2025
LDSP AD 2.24.10 STAR RNAV RWY 23 - 1	15 MAY 2025
LDSP AD 2.24.10 STAR RNAV RWY 23 - 2	15 MAY 2025
LDSP AD 2.24.10 STAR RNAV RWY 23 - 3	15 MAY 2025
LDSP AD 2.24.10 STAR RNAV RWY 23 - 4	15 MAY 2025
LDSP AD 2.24.10 STAR RNAV RWY 23 - 5	15 MAY 2025
LDSP AD 2.24.10 STAR RNAV RWY 23 - 6	15 MAY 2025
LDSP AD 2.24.11 ATCSMAC - 1	15 MAY 2025
LDSP AD 2.24.11 ATCSMAC - 2	15 MAY 2025
LDSP AD 2.24.12 IAC NDB RWY 05 - 1	15 MAY 2025
LDSP AD 2.24.12 IAC NDB RWY 05 - 2	15 MAY 2025
LDSP AD 2.24.12 IAC ILSy or LOCy RWY 05 - 1	15 MAY 2025
LDSP AD 2.24.12 IAC ILSy or LOCy RWY 05 - 2	15 MAY 2025
LDSP AD 2.24.12 IAC ILSz or LOCz RWY 05 - 1	15 MAY 2025
LDSP AD 2.24.12 IAC ILSz or LOCz RWY 05 - 2	15 MAY 2025
LDSP AD 2.24.12 IAC VOR-b RWY 23 - 1	15 MAY 2025
LDSP AD 2.24.12 IAC VOR-b RWY 23 - 2	15 MAY 2025
LDSP AD 2.24.12 IAC RNP Y RWY 05 - 1	15 MAY 2025
LDSP AD 2.24.12 IAC RNP Y RWY 05 - 2	15 MAY 2025
LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only) - 1	15 MAY 2025
LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only) - 2	15 MAY 2025
LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only) - 3	15 MAY 2025

Stranica	Datum
LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only) - 4	15 MAY 2025
LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 - 1	15 MAY 2025
LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 - 2	15 MAY 2025
LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 - 3	15 MAY 2025
LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 - 4	15 MAY 2025
LDSP AD 2.24.13 VAC RWY 23 - 1	15 MAY 2025
LDSP AD 2.24.13 VAC RWY 23 - 2	15 MAY 2025
LDSP AD 2.24.13 VOC - 1	15 MAY 2025
LDSP AD 2.24.13 VOC - 2	15 MAY 2025
LDSP AD 2.24.14 BC - 1	08 MAR 2012
LDSP AD 2.24.14 BC - 2	08 MAR 2012
LDZA AD 2 - 1	30 NOV 2023
LDZA AD 2 - 2	30 NOV 2023
LDZA AD 2 - 3	08 AUG 2024
LDZA AD 2 - 4	03 OCT 2024
LDZA AD 2 - 5	30 NOV 2023
LDZA AD 2 - 6	20 FEB 2025
LDZA AD 2 - 7	20 FEB 2025
LDZA AD 2 - 8	30 NOV 2023
LDZA AD 2 - 9	30 NOV 2023
LDZA AD 2 - 10	05 SEP 2024
LDZA AD 2 - 11	05 SEP 2024
LDZA AD 2 - 12	13 JUL 2023
LDZA AD 2 - 13	26 JAN 2023
LDZA AD 2 - 14	06 OCT 2022
LDZA AD 2 - 15	06 OCT 2022
LDZA AD 2 - 16	24 MAR 2022
LDZA AD 2 - 17	05 SEP 2024
LDZA AD 2 - 18	05 SEP 2024
LDZA AD 2 - 19	05 SEP 2024
LDZA AD 2 - 20	05 SEP 2024
LDZA AD 2 - 21	05 SEP 2024
LDZA AD 2 - 22	05 SEP 2024
LDZA AD 2 - 23	05 SEP 2024
LDZA AD 2 - 24	18 APR 2024
LDZA AD 2.24.1 ADC - 1	28 NOV 2024
LDZA AD 2.24.1 ADC - 2	28 NOV 2024
LDZA AD 2.24.2 APDC EAST - 1	06 OCT 2022
LDZA AD 2.24.2 APDC EAST - 2	06 OCT 2022
LDZA AD 2.24.2 APDC WEST - 1	17 APR 2025
LDZA AD 2.24.2 APDC WEST - 2	17 APR 2025
LDZA AD 2.24.4 AOC RWY 04/22 - 1	26 MAR 2020
LDZA AD 2.24.6 PATC RWY 04 - 1	26 MAR 2020
LDZA AD 2.24.6 PATC RWY 04 - 2	26 MAR 2020
LDZA AD 2.24.8 SID RWY 04 - 1	15 MAY 2025
LDZA AD 2.24.8 SID RWY 04 - 2	15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 04 - 1	15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 04 - 2	15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 04 - 3	15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 04 - 4	15 MAY 2025
LDZA AD 2.24.8 SID RWY 22 - 1	15 MAY 2025
LDZA AD 2.24.8 SID RWY 22 - 2	15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 22 - 1	15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 22 - 2	15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 22 - 3	15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 22 - 4	15 MAY 2025
LDZA AD 2.24.10 STAR RWY 04 - 1	15 MAY 2025
LDZA AD 2.24.10 STAR RWY 04 - 2	15 MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 04 - 1	15 MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 04 - 2	15 MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 04 - 3	15 MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 04 - 4	15 MAY 2025
LDZA AD 2.24.10 STAR RWY 22 - 1	15 MAY 2025
LDZA AD 2.24.10 STAR RWY 22 - 2	15 MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 22 - 1	15 MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 22 - 2	15 MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 22 - 3	15 MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 22 - 4	15 MAY 2025
LDZA AD 2.24.11 ATCSMAC - 1	15 MAY 2025
LDZA AD 2.24.11 ATCSMAC - 2	15 MAY 2025
LDZA AD 2.24.12 IAC L RWY 04 - 1	15 MAY 2025
LDZA AD 2.24.12 IAC L RWY 04 - 2	15 MAY 2025
LDZA AD 2.24.12 IAC ILS y or LOC y RWY 04 - 1	15 MAY 2025
LDZA AD 2.24.12 IAC ILS y or LOC y RWY 04 - 2	15 MAY 2025
LDZA AD 2.24.12 IAC ILSz or LOCz RWY 04 - 1	15 MAY 2025
LDZA AD 2.24.12 IAC ILSz or LOCz RWY 04 - 2	15 MAY 2025
LDZA AD 2.24.12 IAC L RWY 22 - 1	15 MAY 2025
LDZA AD 2.24.12 IAC L RWY 22 - 2	15 MAY 2025
LDZA AD 2.24.12 IAC ILS y or LOC y RWY 22 - 1	15 MAY 2025
LDZA AD 2.24.12 IAC ILS y or LOC y RWY 22 - 2	15 MAY 2025
LDZA AD 2.24.12 IAC ILSz or LOCz RWY 22 - 1	15 MAY 2025
LDZA AD 2.24.12 IAC ILSz or LOCz RWY 22 - 2	15 MAY 2025

Stranica	Datum
LDZA AD 2.24.12 IAC RNP RWY 04 - 1	15 MAY 2025
LDZA AD 2.24.12 IAC RNP RWY 04 - 2	15 MAY 2025
LDZA AD 2.24.12 IAC RNP RWY 04 - 3	15 MAY 2025
LDZA AD 2.24.12 IAC RNP RWY 04 - 4	15 MAY 2025
LDZA AD 2.24.12 IAC RNP RWY 22 - 1	15 MAY 2025
LDZA AD 2.24.12 IAC RNP RWY 22 - 2	15 MAY 2025
LDZA AD 2.24.12 IAC RNP RWY 22 - 3	15 MAY 2025
LDZA AD 2.24.12 IAC RNP RWY 22 - 4	15 MAY 2025
LDZA AD 2.24.13 VOC - 1	15 MAY 2025
LDZA AD 2.24.13 VOC - 2	15 MAY 2025
LDZA AD 2.24.14 BC - 1	23 APR 2020
LDZA AD 2.24.14 BC - 2	23 APR 2020
LDZD AD 2 - 1	30 NOV 2023
LDZD AD 2 - 2	16 MAY 2024
LDZD AD 2 - 3	08 AUG 2024
LDZD AD 2 - 4	13 JUN 2024
LDZD AD 2 - 5	13 JUN 2024
LDZD AD 2 - 6	20 FEB 2025
LDZD AD 2 - 7	30 NOV 2023
LDZD AD 2 - 8	30 NOV 2023
LDZD AD 2 - 9	20 FEB 2025
LDZD AD 2 - 10	20 FEB 2025
LDZD AD 2 - 11	13 JUN 2024
LDZD AD 2 - 12	13 JUN 2024
LDZD AD 2 - 13	13 JUN 2024
LDZD AD 2 - 14	13 JUN 2024
LDZD AD 2 - 15	13 JUN 2024
LDZD AD 2 - 16	15 MAY 2025
LDZD AD 2 - 17	13 JUN 2024
LDZD AD 2 - 18	08 AUG 2024
LDZD AD 2.24.1 ADC - 1	23 MAY 2019
LDZD AD 2.24.1 ADC - 2	23 MAY 2019
LDZD AD 2.24.2 APDC - 1	10 OCT 2019
LDZD AD 2.24.2 APDC - 2	10 OCT 2019
LDZD AD 2.24.4 AOC RWY 04/22 - 1	05 OCT 2023
LDZD AD 2.24.4 AOC RWY 13/31 - 1	05 OCT 2023
LDZD AD 2.24.8 SID RWY 04 - 1	15 MAY 2025
LDZD AD 2.24.8 SID RWY 04 - 2	15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 04 - 1	15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 04 - 2	15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 04 - 3	15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 04 - 4	15 MAY 2025
LDZD AD 2.24.8 SID RWY 13 - 1	15 MAY 2025
LDZD AD 2.24.8 SID RWY 13 - 2	15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 13 - 1	15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 13 - 2	15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 13 - 3	15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 13 - 4	15 MAY 2025
LDZD AD 2.24.8 SID RWY 22 - 1	15 MAY 2025
LDZD AD 2.24.8 SID RWY 22 - 2	15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 22 - 1	15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 22 - 2	15 MAY 2025
LDZD AD 2.24.8 SID RWY 31 - 1	15 MAY 2025
LDZD AD 2.24.8 SID RWY 31 - 2	15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 31 - 1	15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 31 - 2	15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 31 - 3	15 MAY 2025
LDZD AD 2.24.8 SID RNAV RWY 31 - 4	15 MAY 2025
LDZD AD 2.24.10 STAR RWY 04 & 13/31 - 1	15 MAY 2025
LDZD AD 2.24.10 STAR RWY 04 & 13/31 - 2	15 MAY 2025
LDZD AD 2.24.10 STAR RNAV RWY 04 - 1	15 MAY 2025
LDZD AD 2.24.10 STAR RNAV RWY 04 - 2	15 MAY 2025
LDZD AD 2.24.10 STAR RNAV RWY 04 - 3	15 MAY 2025
LDZD AD 2.24.10 STAR RNAV RWY 04 - 4	15 MAY 2025
LDZD AD 2.24.10 STAR RNAV RWY 13 - 1	15 MAY 2025
LDZD AD 2.24.10 STAR RNAV RWY 13 - 2	15 MAY 2025
LDZD AD 2.24.10 STAR RNAV RWY 13 - 3	15 MAY 2025
LDZD AD 2.24.10 STAR RNAV RWY 13 - 4	15 MAY 2025
LDZD AD 2.24.10 STAR RNAV RWY 31 - 1	15 MAY 2025
LDZD AD 2.24.10 STAR RNAV RWY 31 - 2	15 MAY 2025
LDZD AD 2.24.10 STAR RNAV RWY 31 - 3	15 MAY 2025
LDZD AD 2.24.10 STAR RNAV RWY 31 - 4	15 MAY 2025
LDZD AD 2.24.11 ATCSMAC - 1	15 MAY 2025
LDZD AD 2.24.11 ATCSMAC - 2	15 MAY 2025
LDZD AD 2.24.12 IAC VOR RWY 04 - 1	15 MAY 2025
LDZD AD 2.24.12 IAC VOR RWY 04 - 2	15 MAY 2025
LDZD AD 2.24.12 IAC Ly RWY 13 - 1	15 MAY 2025
LDZD AD 2.24.12 IAC Ly RWY 13 - 2	15 MAY 2025
LDZD AD 2.24.12 IAC Lz RWY 13 - 1	15 MAY 2025
LDZD AD 2.24.12 IAC Lz RWY 13 - 2	15 MAY 2025
LDZD AD 2.24.12 IAC VOR RWY 13 - 1	15 MAY 2025
LDZD AD 2.24.12 IAC VOR RWY 13 - 2	15 MAY 2025

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Stranica	Datum	Stranica	Datum
LDZD AD 2.24.12 IAC ILS or LOC RWY 13 - 1	15 MAY 2025		
LDZD AD 2.24.12 IAC ILS or LOC RWY 13 - 2	15 MAY 2025		
LDZD AD 2.24.12 IAC L RWY 31 - 1	15 MAY 2025		
LDZD AD 2.24.12 IAC L RWY 31 - 2	15 MAY 2025		
LDZD AD 2.24.12 IAC VOR RWY 31 - 1	15 MAY 2025		
LDZD AD 2.24.12 IAC VOR RWY 31 - 2	15 MAY 2025		
LDZD AD 2.24.12 IAC RNP RWY 04 - 1	15 MAY 2025		
LDZD AD 2.24.12 IAC RNP RWY 04 - 2	15 MAY 2025		
LDZD AD 2.24.12 IAC RNP RWY 04 - 3	15 MAY 2025		
LDZD AD 2.24.12 IAC RNP RWY 04 - 4	15 MAY 2025		
LDZD AD 2.24.12 IAC RNP Y RWY 13 - 1	15 MAY 2025		
LDZD AD 2.24.12 IAC RNP Y RWY 13 - 2	15 MAY 2025		
LDZD AD 2.24.12 IAC RNP Y RWY 13 - 3	15 MAY 2025		
LDZD AD 2.24.12 IAC RNP Y RWY 13 - 4	15 MAY 2025		
LDZD AD 2.24.12 IAC RNP Z RWY 13 - 1	15 MAY 2025		
LDZD AD 2.24.12 IAC RNP Z RWY 13 - 2	15 MAY 2025		
LDZD AD 2.24.12 IAC RNP Z RWY 13 - 3	15 MAY 2025		
LDZD AD 2.24.12 IAC RNP Z RWY 13 - 4	15 MAY 2025		
LDZD AD 2.24.12 IAC RNP RWY 31 - 1	15 MAY 2025		
LDZD AD 2.24.12 IAC RNP RWY 31 - 2	15 MAY 2025		
LDZD AD 2.24.12 IAC RNP RWY 31 - 3	15 MAY 2025		
LDZD AD 2.24.12 IAC RNP RWY 31 - 4	15 MAY 2025		
LDZD AD 2.24.13 VOC - 1	15 MAY 2025		
LDZD AD 2.24.13 VOC - 2	15 MAY 2025		

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GEN 0.5 POPIS RUČNIH IZMJENA AIP-A

Stranica(e) AIP-a na koje se odnosi	Tekst izmjene	Uključeno AIP izmjenom broj:
1	2	3
ENR 6.9-1	Naziv zračne luke promijenjen u “Zagreb/Franjo Tuđman”	AIRAC AIP AMDT 003/2020 (23 APR 2020)
LDZD AD 2.24.1 ADC -1	Nove površine S5 i S6 na Glavnoj stajanci.	AIRAC AIP AMDT 008/2019 (10 OCT 2019)
LDSB AD 2.24.2 APDC -1	ACL ELEV iznosi 1736 FT.	AIRAC AIP AMDT 007/2021 (12 AUG 2021)
LDDU AD 2.24.1 ADC -1	Korištenje TWY-a B za zrakoplove kodnog slova E dozvoljeno samo uz odobrenje ATC-a i predvođenje *Follow me* vozilom. Obavezno strogo praćenje *Follow me* vozila.	AIRAC AIP AMDT 008/2021 (09 SEP 2021)
LDZA AD 2.24.6 PATC RWY 04 -1	GP 04 RDH promijenjen u 54 FT.	AIRAC AIP AMDT 010/2021 (04 NOV 2021)
LDZD AD 2.24.1 ADC -1 LDZD AD 2.24.2 APDC -1	ZADAR DELIVERY FREQ 132.975 MHZ.	AIRAC AIP AMDT 005/2022 (16 JUN 2022)
LDZD AD 2.24.1 ADC -1	Nosivost TWY A promijenjena u PCN 55/R/B/W/T Nosivost TWY H promijenjena u PCN 50/R/B/W/T	AIRAC AIP AMDT 008/2022 (08 SEP 2022)
LDZD AD 2.24.2 APDC -1	Nosivost površine S5 treba glasiti PCN 63/R/A/WT Nosivost površine S6 treba glasiti PCN 132/F/B/X/T	AIRAC AIP AMDT 008/2022 (08 SEP 2022)
LDZA AD 2.24.2 APDC EAST -1	PSN broj E8L opremljena sustavom Visual Docking Guidance System.	AIRAC AIP AMDT 009/2022 (06 OCT 2022)
LDDU AD 2.24.4 AOC RWY 11 -1	RWY 11: TORA, TODA i ASDA trebaju glasiti 3230 M. RWY 29: TORA, TODA, ASDA i LDA trebaju glasiti 3230 M.	AIRAC AIP AMDT 005/2023 (15 JUN 2023)

Stranica(e) AIP-a na koje se odnosi	Tekst izmjene	Uključeno AIP izmjenom broj:
1	2	3
LDDU AD 2.24.1 ADC -1	RWY 11: TODA/ASDA trebaju glasiti 2388 M na križanju TWY B. RWY 11: TODA/ASDA trebaju glasiti 1900 M na križanju TWY C. RWY 11: TODA/ASDA trebaju glasiti 1487 M na križanju TWY D. RWY 29: TODA/ASDA trebaju glasiti 2464 M na križanju TWY E. RWY 29: TODA/ASDA trebaju glasiti 1798 M na križanju TWY D. RWY 29: TODA/ASDA trebaju glasiti 1411 M na križanju TWY C.	AIRAC AIP AMDT 007/2023 (10 AUG 2023)
LDDU AD 2.24.1 ADC -1	Uspostavljen je Dubrovnik Delivery Service, na FREQ 125.400 MHZ.	AIRAC AIP AMDT 007/2023 (10 AUG 2023)
LDPL AD 2.24.1 ADC -1	RWY 09:TODA/ASDA trebaju glasiti 1692 M na križanju TWY C. RWY 27: TODA/ASDA trebaju glasiti 1992 M na križanju TWY D. RWY 27: TODA/ASDA trebaju glasiti 2491 M na križanju TWY E.	AIRAC AIP AMDT 007/2023 (10 AUG 2023)
LDSB AD 2.24.2 APDC-1	RWY 03/21 duljina strip-a treba glasiti 1880 M.	AIRAC AIP AMDT 008/2023 (07 SEP 2023)
LDDU AD 2.24.1 ADC-1	Dodati napomenu na karti: Snaga vanjskih motora zrakoplova s četiri motora kodnog slova E mora biti korištena samo u praznom hodu za vrijeme korištenja TWY B.	AIRAC AIP AMDT 008/2023 (07 SEP 2023)
LDDU AD 2.24.1 ADC -1 LDDU AD 2.24.14 BC -1	Naziv zračne luke promijenjen u “DUBROVNIK/Ruđer Bošković”.	AIRAC AIP AMDT 010/2023 (02 NOV 2023)
LDRI AD 2.24.1 ADC - 1 LDRI AD 2.24.2 APDC - 1	“MET Station” Premješten na novu poziciju. 451313N 0143415E	AIRAC AIP AMDT 013/2023 (25 JAN 2024)
LDSP AD 2.24.4 AOC RWY 05 -1	OBST ID 14 zamijenjen je s OBST ID 14a (COORD - 433251.59N 0161848.49E; ELEV - 28.0 M (91.9 FT); Tip - ANTENA) i OBST ID 14b (COORD - 433251.18N 0161848.97E; ELEV - 28.0 M (91.9 FT); Tip - ANTENA), REF LDSP AD 2.10.	AIRAC AIP AMDT 002/2024 (21 MAR 2024)
LDZD AD 2.24.1 ADC - 1	TWY L withdrawn.	AIRAC AIP AMDT 005/2024 (13 JUN 2024)

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Stranica(e) AIP-a na koje se odnosi	Tekst izmjene	Uključeno AIP izmjenom broj:
1	2	3
ENR 6.4 - 1 LDSP AD 2.24.1 ADC -1 LDSP AD 2.24.2 APDC -1 LDSP AD 2.24.4 AOC RWY 05 -1 LDSP AD 2.24.4 AOC RWY 23 -1 LDSP AD 2.24.14 BC -1	Naziv zračne luke LDSP promijenjen u “SPLIT/Sveti Jeronim” - sve karte na koje je primjenjivo.	AIRAC AIP AMDT 007/2024 (08 AUG 2024)
ENR 6.12 - 1	Ime helidroma "Firule" promijenjeno u "Split-Firule"	AIRAC AIP AMDT 009/2024 (03 OCT 2024)
ENR 6.12 - 1	Aerodrom na vodi SPLIT/Resnik povučen	AIRAC AIP AMDT 009/2024 (03 OCT 2024)
LDLO AD 2.24.1 ADC - 1	RWY 02/20 dimenzije strip-a trebaju glasiti 1020x140M. RWY 02 i RWY 20 dimenzije RESA-e trebaju glasiti Duljina 90M, Širina 60M. Kategorija RWY-a treba glasiti Instrumentalni neprecizni prilaz. Osvjetljenje RWY-a prema AD 2.14, ostala svjetla prema AD 2.15. RWY 02 PAPI LIJEVO 3˚ 41 FT.	AIRAC AIP AMDT 011/2024 (28 NOV 2024)
LDLO AD 2.24.2 APDC -1	Za polijetanje i slijetanje helikoptera koristi se isključivo RWY 02/20. Pozicije za parkiranje se određuju prema dogovoru sa upravom zračne luke. RWY 02/20 dimenzije strip-a trebaju glasiti 1020x140M. Osvjetljenje RWY-a prema AD 2.14, ostala svjetla prema AD 2.15.	AIRAC AIP AMDT 011/2024 (28 NOV 2024)
LDDU AD 2.24.1 ADC -1	Restrikcija glasi: RWY 29 THR turn pad zabranjen je za korištenje za ACFT sa međuosovinskim razmakom većim od 22.8 M. Ref AD 2.9.4.	AIRAC AIP AMDT 001/2025 (20 FEB 2025)
LDDU AD 2.24.1 ADC -1	DBK VOR/DME premješten na novu PSN: 423403.53N 0181522.00E.	AIRAC AIP AMDT 002/2025 (20 MAR 2025)

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GEN 2.5 POPIS RADIONAVIGACIJSKIH SREDSTAVA

DECODE			
ID	**Naziv postaje**	**Sredstvo**	**Namjena**
BO	BOKANJAC	L	A
BRC	BRAC	DME	AE
BRZ	BREZA	NDB	A
CE	CEPIN	L	AE
CRE	CRES	NDB	AE
DBK	DUBROVNIK	VOR/DME	AE
DVN	DRVENIK	NDB	A
HUM	BRAC	NDB	A
IDU	DUBROVNIK	DME	A
IDU	DUBROVNIK / RUDJER BOSKOVIC	LOC 11	A
IKR	RIJEKA / KRK I	LOC 14	A
IOS	OSIJEK / KLISA	LOC 29	A
IPU	PULA	LOC 27	A
ISJ	OSIJEK	DME	A
ISJ	OSIJEK	LOC 11	A
IST	SPLIT	DME	AE
IST	SPLIT / SVETI JERONIM	LOC 05	A
IZA	ZAGREB	DME	A
IZA	ZAGREB / FRANJO TUĐMAN	LOC 04	A
IZD	ZADAR / ZEMUNIK	LOC 13	A
IZG	ZAGREB / FRANJO TUĐMAN	LOC 22	A
JAP	JAPETIC	DME	AE
KAV	KAVRAN	NDB	A
KLP	KOLOCEP	NDB	A
KLS	OSIJEK	DME	AE
LOS	LOSINJ	NDB	AE
LSJ	LOSINJ	DME	AE
LUK	LUKAVEC	DME	AE
NTL	LOSINJ	VOR/DME	AE

ENCODE			
Naziv postaje	**Sredstvo**	**ID**	**Namjena**
BARNA	VOR/DME	VBA	AE
BOKANJAC	L	BO	A
BRAC	DME	BRC	AE
BRAC	NDB	HUM	A
BREZA	NDB	BRZ	A
CEPIN	L	CE	AE
CRES	NDB	CRE	AE
DRVENIK	NDB	DVN	A
DUBROVNIK	DME	IDU	A
DUBROVNIK	VOR/DME	DBK	AE
DUBROVNIK / RUDJER BOSKOVIC	LOC 11	IDU	A
JAPETIC	DME	JAP	AE
KAKMA	NDB	ZRA	A
KAVRAN	NDB	KAV	A
KOLOCEP	NDB	KLP	A
LOSINJ	DME	LSJ	AE
LOSINJ	NDB	LOS	AE
LOSINJ	VOR/DME	NTL	AE
LUKAVEC	DME	LUK	AE
OSIJEK	DME	KLS	AE
OSIJEK	NDB	OSJ	A
OSIJEK / KLISA	LOC 29	IOS	A
OSIJEK	LOC 11	ISJ	A
OSIJEK	DME	ISJ	A
PETROVA GORA	DME	PTG	AE
PISAROVINA	NDB	PIS	AE
PULA	LOC 27	IPU	A
PULA	NDB	PLA	A
PULA	VOR/DME	PUL	AE

DECODE			
ID	**Naziv postaje**	**Sredstvo**	**Namjena**
OSJ	OSIJEK	NDB	A
PIS	PISAROVINA	NDB	AE
PLA	PULA	NDB	A
PTG	PETROVA GORA	DME	AE
PUL	PULA	VOR/DME	AE
RI	RIJEKA	L	A
RJK	RIJEKA	VOR/DME	AE
SAL	SALI	NDB	AE
SK	S.KRALJEVEC	L	A
SPL	SPLIT	VOR/DME	AE
TNJ	TOUNJ	NDB	E
TRI	TROGIR	NDB	A
VBA	BARNA	VOR/DME	AE
VG	VELIKA GORICA	L	A
ZAG	ZAGREB	VOR/DME	AE
ZDA	ZADAR	VOR/DME	AE
ZK	ZADAR	L	A
ZRA	KAKMA	NDB	A

ENCODE			
Naziv postaje	**Sredstvo**	**ID**	**Namjena**
RIJEKA	L	RI	A
RIJEKA	VOR/DME	RJK	AE
RIJEKA / KRK I	LOC 14	IKR	A
S.KRALJEVEC	L	SK	A
SALI	NDB	SAL	AE
SPLIT	VOR/DME	SPL	AE
SPLIT	DME	IST	AE
SPLIT / SVETI JERONIM	LOC 05	IST	A
TOUNJ	NDB	TNJ	E
TROGIR	NDB	TRI	A
VELIKA GORICA	L	VG	A
ZADAR	L	ZK	A
ZADAR	VOR/DME	ZDA	AE
ZADAR / ZEMUNIK	LOC 13	IZD	A
ZAGREB	DME	IZA	A
ZAGREB	VOR/DME	ZAG	AE
ZAGREB / FRANJO TUĐMAN	LOC 04	IZA	A
ZAGREB / FRANJO TUĐMAN	LOC 22	IZG	A

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ENR 2 ZRAČNI PROSTOR OPERATIVNIH USLUGA U ZRAČNOM PROMETU

ENR 2.1 FIR, UIR, TMA I CTA

ENR 2.1.1. ZAGREB FIR/UIR

Naziv Bočne granice Vertikalne granice Klasa zračnog prostora	Jedinica službe	Pozivni znak Jezici Područje i uvjeti primjene Radno vrijeme	Frekvencija / Namjena	Primjedbe
1	2	3	4	5
ZAGREB FIR/UIR 4212N 01836E - 4125N 01819E - 4221N 01621E - along on arc of circle of 5 NM radius, clockwise centred on 4224N 01616E - 4226N 01610E - 4330N 01430E - 4432N 01320E - 4510N 01300E - 4518N 01300E - 453329N 0132314E - along the FIR BDRY ZAGREB/LJUBLJANA to 452833N 0133505E - along the FIR BDRY ZAGREB/ LJUBLJANA - along the FIR BDRY ZAGREB/ BUDAPEST - along the FIR BDRY ZAGREB/ BEOGRAD - along the FIR BDRY ZAGREB/ SARAJEVO - along the FIR BDRY ZAGREB/ BEOGRAD to 4212N 01836E. Upper limit: UNL Lower limit: GND *Note: Portion between the points 453329N 0132314E and 452833N 0133505E not yet defined, and is subject to negotiations.*	ZAGREB ACC	ZAGREB CONTROL / ZAGREB RADAR EN, HR		
		H24	122.530 MHZ / 8.33 CH	
		H24	126.635 MHZ / 8.33 CH	
		H24	127.110 MHZ / 8.33 CH	
		H24	124.375 MHZ	
		H24	125.780 MHZ / 8.33 CH	
		H24	132.340 MHZ / 8.33 CH	
		H24	133.635 MHZ / 8.33 CH	
		H24	136.300 MHZ	
		H24	129.650 MHZ	
		H24	132.125 MHZ	
		H24	129.425 MHZ / ALTN FREQ	
		H24	130.215MHZ / 8.33 CH	
		H24	135.800 MHZ	
		H24	122.575 MHZ	
		H24	128.275 MHZ	
		H24	131.275 MHZ	
		H24	339.175 MHZ / UHF FREQ FOR STATE AIRCRAFT	
		H24	121.500 MHZ / EMERG FREQ	
		H24	243.000 MHZ / EMERG FREQ	
		H24	123.100 MHZ / SAR	
		H24	292.600 MHZ / MILITARY	
		H24	266.075 MHZ / MILITARY	
		H24	125.225 MHZ	
		H24	127.365 MHZ / 8.33 CH	
		H24	127.875 MHZ	
	ZAGREB FIC	ZAGREB INFORMATION EN, HR H24	135.050 MHZ / FIC	

ENR 2.1.2. CONTROL AREA (CTA) ZAGREB

Naziv Bočne granice Vertikalne granice Klasa zračnog prostora	Jedinica službe	Pozivni znak Jezici Područje i uvjeti primjene Radno vrijeme	Frekvencija / Namjena	Primjedbe
1	2	3	4	5
CONTROL AREA ZAGREB CTA ZAGREB covers the airspace within the following limits: Lateral: FIR Zagreb (See remarks) Vertical: • Upper limit: FL 660 • Lower limit: FL 125 (Outside TMAs) CLASS OF AIRSPACE OUTSIDE OTHER REGULATED AIRSPACE: • C - above FL 125 **UNCONTROLLED AIRSPACE** UNCONTROLLED AIRSPACE covers the airspace within the following limits: Lateral: FIR Zagreb Vertical: Above FL 660 unclassified	ZAGREB ACC	ZAGREB CONTROL / ZAGREB RADAR EN, HR H24		RVSM airspace: FL 290 - FL 410 both inclusive *The airspace where the ATS has been delegated to both Padova and Brindisi ACCs is classified according to Italian classification for the rest of the route segments. See route description - ENR 3* Outside notified hours of operation of aerodrome control tower, airspace classification of the associated control zone reverts to the classification of surrounding airspace (Uncontrolled Airspace and TMA) within which the control zone is established unless otherwise promulgated in AIP AD 2.17.
Upper limit: 1000 FT AGL Lower limit: GND Class of airspace: G (with exemption of CTRs)				

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ENR 2.1.3. ZAGREB TMA

Naziv Bočne granice Vertikalne granice Klasa zračnog prostora	Jedinica službe	Pozivni znak Jezici Područje i uvjeti primjene Radno vrijeme	Frekvencija / Namjena	Primjedbe
1	2	3	4	5
ZAGREB TMA 455055N 0173903E - 450751N 0173900E - along the FIR BDRY Zagreb/Sarajevo - 450414N 0154529E - 452527N 0151100E - along the FIR BDRY Zagreb/Ljubljana - along the FIR BDRY Zagreb/Budapest - to the point of origin 455055N 0173903E. Class of airspace: C • Upper limit: FL 205 • Lower limit: 10000 FT MSL Class of airspace: D • Upper limit: 10000 FT MSL • Lower limit: 1000 FT AGL *Note: Also see "Delegated Provision of ATS", ENR 2.2.*	ZAGREB APP	ZAGREB RADAR EN, HR H24	118.885 MHZ PRI FREQ 120.700 MHZ STATE ACFT koji nemaju mogućnost 8.33 KHZ	
		H24	119.540 MHZ ALTN FREQ	
		H24	121.500 MHZ EMERG VHF FREQ	
		H24	243.000 MHZ EMERG UHF FREQ	
	ZAGREB FIC	ZAGREB INFORMATION EN, HR H24	135.050 MHZ PRI FREQ	

ENR 2.1.4. SPLIT TMA

Naziv Bočne granice Vertikalne granice Klasa zračnog prostora	Jedinica službe	Pozivni znak Jezici Područje i uvjeti primjene Radno vrijeme	Frekvencija / Namjena	Primjedbe
1	2	3	4	5
SPLIT TMA 433902N 0141944E - 440543N 0152151E - 440720N 0154223E - 440821N 0155450E - 441003N 0161628E - along the FIR BDRY Zagreb/ Sarajevo - 433101N 0170730E - 423454N 0155610E - along the FIR BDRY Zagreb/Brindisi - along the FIR BDRY Zagreb/Milano - to point of origin. Class of airspace: C • Upper limit: FL 205 • Lower limit: FL 155 433902N 0141944E - 433725N 0152507E - 433700N 0153833E - 434530N 0154643E - 435700N 0155113E - 440821N 0155450E- 441003N 0161628E - along the FIR BDRY Zagreb/ Sarajevo - 433101N 0170730E- 423454N 0155610E - along the FIR BDRY Zagreb/Brindisi - along the FIR BDRY Zagreb/Milano - to point of origin. Class of airspace: C • Upper limit: FL 155 • Lower limit: 10000 FT MSL Class of airspace: D • Upper limit: 10000 FT MSL • Lower limit: 1000 FT AGL 440543N 0152151E - 440720N 0154223E - 440821N 0155450E - 435700N 0155113E - 434530N 0154643E - 433700N 0153833E - 433725N 0152507E - to point of origin. Class of airspace: C • Upper limit: FL 155 • Lower limit: 10000 FT MSL Class of airspace: D • Upper limit: 10000 FT MSL • Lower limit: 9500 FT MSL 423454N 0155610E - 433101N 0170730E - along the FIR BDRY Zagreb/Sarajevo - 431049N 0172551E - 424048N 0170431E - to point of origin. Class of airspace: C • Upper limit: FL 125 • Lower limit: 10000 FT MSL Class of airspace: D • Upper limit: 10000 FT MSL • Lower limit: 1000 FT AGL	SPLIT APP	SPLIT RADAR EN, HR H24 H24 H24 H24	120.875 MHZ / PRI FREQ 128.675 MHZ 120.550 MHZ 121.500 MHZ / EMERG FREQ	

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ENR 2.1.5. PULA TMA

Naziv Bočne granice Vertikalne granice Klasa zračnog prostora	Jedinica službe	Pozivni znak Jezici Područje i uvjeti primjene Radno vrijeme	Frekvencija / Namjena	Primjedbe
1	2	3	4	5
PULA TMA 452527N 0151100E - 450414N 0154529E - along the FIR BDRY Zageb /Sarajevo - 445403N 0154522E - 445308N 0150900E - 444937N 0143809E - 442311N 0132953E - along the FIR BDRY Zagreb/Milano - along the FIR BDRY Zagreb/Ljubljana - to the point of origin 452527N 0151100E Class of airspace: C • Upper limit: FL 155 • Lower limit: 10000 FT MSL Class of airspace: D • Upper limit: 10000 FT MSL • Lower limit: 1000 FT AGL 442311N 0132953E - 444937N 0143809E - 445308N 0150900E - 443542N 0144440E - 442830N 0143443E - 442050N 0141447E - 440926N 0134535E- along the FIR BDRY Zagreb/ Milano - to the point of origin 442311N 0132953E. Class of airspace: C • Upper limit: FL 115 • Lower limit: 10000 FT MSL Class of airspace: D • Upper limit: 10000 FT MSL • Lower limit: 1000 FT AGL • 442050N 0141447E - 442830N 0143443E - 443542N 0144440E - 442024N 0144144E - to the point of origin 442050N 0141447E. Class of airspace: D • Upper limit: 4500 FT MSL • Lower limit: 1000 FT AGL *Note: Also see "Delegated Provision of ATS", ENR 2.2.*	PULA APP	PULA RADAR EN, HR H24 H24 H24	124.600 MHZ 127.675 MHZ 121.500 MHZ / EMERG FREQ	See ENR 2.2 1) for the airspace with the delegation of ATS provision during ATS LJPZ operating hours. Dio zračnog prostora TMA Pula delegiran je ACC Zagrebu u vertikalnim granicama od FL135-FL155. (Opisano u dijelu ENR 2.2 Delegirano pružanje ATS-a točka 2)

ENR 2.1.6. DUBROVNIK TMA

Naziv Bočne granice Vertikalne granice Klasa zračnog prostora	Jedinica službe	Pozivni znak Jezici Područje i uvjeti primjene Radno vrijeme	Frekvencija / Namjena	Primjedbe
1	2	3	4	5
DUBROVNIK TMA 423454N 0155610E - 433101N 0170730E - along the FIR BDRY Zagreb/Sarajevo - 431049N 0172551E - 424048N 0170431E - to point of origin. Class of airspace: C • Upper limit: FL 205 • Lower limit: FL 125 423454N 0155610E - 424048N 0170431E - 431049N 0172551E - along the FIR BDRY Zagreb/Sarajevo - along the FIR BDRY Zagreb/ Beograd - along the FIR BDRY Zagreb/Brindisi - to point of origin. Class of airspace: C • Upper limit: FL 205 • Lower limit: 10000 FT MSL Class of airspace: D • Upper limit: 10000 FT MSL • Lower limit: 1000 FT AGL *Note: Also see "Delegated Provision of ATS.", ENR 2.2.*	DUBROVNIK APP	DUBROVNIK RADAR EN, HR H24 H24 H24	123.600 MHZ/ PRI FREQ 134.725 MHZ ALTN FREQ 121.500 MHZ / EMERG FREQ	

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ENR 2.1.7. ZADAR TMA

Naziv Bočne granice Vertikalne granice Klasa zračnog prostora	Jedinica službe	Pozivni znak Jezici Područje i uvjeti primjene Radno vrijeme	Frekvencija / Namjena	Primjedbe
1	2	3	4	5
ZADAR TMA 440926N 0134535E - 442050N 0141447E - 442024N 0144144E - 443542N 0144440E - 445308N 0150900E - 445403N 0154522E - along the FIR BDRY Zageb / Sarajevo - 441003N 0161628E - 440821N 0155450E - 440720N 0154223E - 440543N 0152151E - 433725N 0152507E - 433902N 0141944E - along the FIR BDRY Zagreb/Milano - to the point of origin 440926N 0134535E. Class of airspace: C • Upper limit: FL 155 • Lower limit: 10000 FT MSL Class of airspace: D • Upper limit: 10000 FT MSL • Lower limit: 1000 FT AGL 442311N 0132953E - 444937N 0143809E - 445308N 0150900E - 443542N 0144440E - 442830N 0143443E - 442050N 0141447E - 440926N 0134535E - along the FIR BDRY Zagreb/Milano - to the point of origin 442311N 0132953E. Class of airspace: C • Upper limit: FL 155 • Lower limit: FL 115 442050N 0141447E - 442830N 0143443E - 443542N 0144440E - 442024N 0144144E - to the point of origin 442050N 0141447E. Class of airspace: C • Upper limit: FL 155 • Lower limit: 10000 FT MSL Class of airspace: D • Upper limit: 10000 FT MSL • Lower limit: 4500 FT MSL 440543N 0152151E - 440720N 0154223E - 440821N 0155450E - 435700N 0155113E - 434530N 0154643E - 433700N 0153833E - 433725N 0152507E - to the point of origin 440543N 0152151E. Class of airspace: D • Upper limit: 9500 FT MSL • Lower limit: 1000 FT AGL	ZADAR APP	ZADAR RADAR EN, HR H24 H24 H24	128.525 MHZ 130.625 MHZ 121.500 MHZ/ EMERG FREQ	

ENR 2.1.8. OSIJEK TMA

Naziv Bočne granice Vertikalne granice Klasa zračnog prostora	Jedinica službe	Pozivni znak Jezici Područje i uvjeti primjene Radno vrijeme	Frekvencija / Namjena	Primjedbe
1	2	3	4	5
OSIJEK TMA 455055N 0173903E - along the FIR BDRY Zagreb/ Budapest - along the FIR BDRY Zagreb/ Beograd - along the FIR BDRY Zagreb/ Sarajevo - 450751N 0173900E - to point of origin 455055N 0173903E. Class of airspace: D • Upper limit: FL 125 • Lower limit: 1000 FT AGL	OSIJEK / KLISA APP	OSIJEK APPROACH EN, HR Upon NOTAM or AIP SUP	128.350 MHZ PRI FREQ 125.850 MHZ ALTN	
		Upon NOTAM or AIP SUP	121.500 MHZ/EMERG FREQ	

Note: ATS airspace classifications made according to ICAO Annex 11, Appendix 4

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ENR 3.2 RUTE PROSTORNE NAVIGACIJE

Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	 ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
L5						
▲ VAPUP (FIR BDRY)	430321N 0151220E					For continuation see AIP Italy
(RNAV 5)	057°	55.0 NM	FL 205 5000 FT MSL	Odd(1)		MOCA: 5000 FT {Klasa D/C} (1) CDR1 H24
△ SPLIT VOR/DME (SPL)	432947.69N 0161817.00E					
(RNAV 5)	053°	26.8 NM	FL 205 9000 FT MSL	Odd(2)		MOCA: 9000 FT {Klasa D/C} (2) PERM
▲ REMPI (FIR BDRY)	434412N 0164922E					For continuation see AIP Bosnia and Herzegovina
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Split APP 120.875 MHZ						

Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	Smjer putnih razina ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
L187						
▲ TIBRI TCP	422438N 0183315E					
(RNAV 5)	302° 122°	4.1 NM	FL 205 9000 FT MSL	Even	Odd	MOCA: 9000 FT
△ MOKUN (FIR BDRY)	422701N 0182848E					For continuation see AIP Serbia and Montenegro
(RNAV 5)	301° 121°	10.9 NM	FL 205 9000 FT MSL	Even(2)	Odd(1)	MOCA: 9000 FT {Klasa D/C} (2) PERM (1) PERM
△ BALHA	423314N 0181639E					
(RNAV 5)	333° 153°	3.2 NM	FL 205 9000 FT MSL	Even(4)	Odd(3)	MOCA: 9000 FT {Klasa D/C} (4) PERM (3) PERM
△ MADOS (FIR BDRY)	423609N 0181457E					For continuation see AIP Bosnia and Herzegovina
△ TEBLI (FIR BDRY)	451205N 0164033E					For continuation see AIP Bosnia and Herzegovina
(RNAV 5)	336° 155°	44.5 NM	FL 205 6000 FT MSL	Even(6)	Odd(5)	MOCA: 6000 FT {Klasa D/C} (6) PERM (5) PERM
△ ZAGREB VOR/DME (ZAG)	455344.01N 0161824.11E					
(RNAV 5)	353°	29.0 NM	FL 205 6000 FT MSL	Even(7)		MOCA: 6000 FT {Klasa D/C} (7) PERM
△ OBUTI (FIR BDRY)	462242N 0161627E					For continuation see AIP Slovenia
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Zagreb APP 118.885 MHZ, 120.700 MHZ za State ACFT koji nemaju mogućnost 8.33 KHZ; Dubrovnik APP 123.600 MHZ						

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Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
L196						
△ SPLIT VOR/DME (SPL)	432947.69N 0161817.00E					
(RNAV 5)	010° 190°	32.9 NM	FL 205 9000 FT MSL	Odd(2)	Even(1)	MOCA: 9000 FT {Klasa D/C} (2) PERM (1) PERM
△ UNIPA (FIR BDRY)	440146N 0162858E					For continuation see AIP Bosnia and Herzegovina
△ NOVLO (FIR BDRY)	451346N 0165711E					For continuation see AIP Bosnia and Herzegovina
(RNAV 5)	011° 191°	32.2 NM	FL 205 6000 FT MSL	Odd(4)	Even(3)	MOCA: 6000 FT {Klasa D/C} (4) CDR1 H24 (3) CDR1 H24
△ BARNA VOR/DME (VBA)	454452.08N 0170848.29E					
(RNAV 5)	019° 199°	15.9 NM	FL 205 5000 FT MSL	Odd(6)	Even(5)	MOCA: 5000 FT {Klasa D/C} (6) CDR1 H24 (5) CDR1 H24
▲ VEBAL (FIR BDRY)	455929N 0171748E					For continuation see AIP Hungary
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Zagreb ACC 125.780 MHZ; Split APP 120.875 MHZ						

Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	Smjer putnih razina ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
L603						
▲ LURID (FIR BDRY)	450806N 0172358E					For continuation see AIP Bosnia and Herzegovina.
(RNAV 5)	130°	64.9 NM	FL 205 6000 FT MSL		Odd(1)	MOCA: 6000 FT {Klasa D/C} (1) CDR1 H24
△ ZAGREB VOR/DME (ZAG)	455344.01N 0161824.11E					
(RNAV 5)	296° 116°	32.9 NM	FL 205 6000 FT MSL	Even(4)	Odd(3)	MOCA: 6000 FT {Klasa D/C} (4) PERM (3) PERM
△ PODET (FIR BDRY)	461017N 0153736E					For continuation see AIP Slovenia.
Napomene o ruti: Jedinica kontrole: Zagreb ACC 129.650 MHZ; Zagreb APP 118.885 MHZ, 120.700 MHZ za State ACFT koji nemaju mogućnost 8.33 KHZ						

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Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
L604						
△ NOVLO (FIR BDRY)	451346N 0165711E					For continuation see AIP Bosnia and Herzegovina.
(RNAV 5)	322°	48.4 NM	FL 205 6000 FT MSL	Even(1)		MOCA: 6000 FT {Klasa D/C} (1) PERM
△ ZAGREB VOR/DME (ZAG)	455344.01N 0161824.11E					
(RNAV 5)	327° 147°	28.4 NM	FL 205 6000 FT MSL	Even(3)	Odd(2)	MOCA: 6000 FT {Klasa D/C} (3) PERM (2) PERM
△ PETOV (FIR BDRY)	461835N 0155834E					For continuation see AIP Slovenia.
Napomene o ruti: Jedinica kontrole: Zagreb ACC 125.780 MHZ; Zagreb APP 118.885 MHZ, 120.700 MHZ za State ACFT koji nemaju mogućnost 8.33 KHZ						

Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	Smjer putnih razina ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
L607						
△ BALHA	423314N 0181639E					
(RNAV 5)	299° 119°	38.7 NM	FL 205 7000 FT ALT	Even(2)	Odd(1)	MOCA: 7000 FT {Klasa D/C} (2) PERM (1) PERM
△ NERRA	425419N 0173236E					
(RNAV 5)	300° 120°	12.1 NM	FL 205 8000 FT MSL	Even(4)	Odd(3)	MOCA: 8000 FT {Klasa D/C} (4) PERM (3) PERM
△ TIKSA	430103N 0171852E					
(RNAV 5)	300° 120°	12.8 NM	FL 205 8000 FT MSL	Even(6)	Odd(5)	MOCA: 8000 FT {Klasa D/C} (6) PERM (5) PERM
△ SIPAL	430812N 0170425E					
(RNAV 5)	299° 118°	40.0 NM	FL 205 8000 FT MSL	Even(8)	Odd(7)	MOCA: 8000 FT {Klasa D/C} (8) PERM (7) PERM
△ SPLIT VOR/DME (SPL)	432947.69N 0161817.00E					
(RNAV 5)	308° 127°	54.4 NM	FL 205 5000 FT MSL	Even(10)	Odd(9)	MOCA: 5000 FT {Klasa D/C} (10) PERM (9) PERM
△ ZADAR VOR/DME (ZDA)	440543.16N 0152151.22E					
(RNAV 5)	316° 136°	34.0 NM	FL 205 8000 FT MSL	Even(12)	Odd(11)	MOCA: 8000 FT {Klasa D/C} (12) PERM (11) PERM
△ RAVNA	443149N 0145130E					
(RNAV 5)	316° 136°	13.6 NM	FL 205 8000 FT MSL	Even(14)	Odd(13)	MOCA: 8000 FT {Klasa D/C} (14) PERM (13) PERM
△ ULPIN	444213N 0143914E					
(RNAV 5)	316° 136°	15.7 NM	FL 205 4000 FT MSL	Even(16)	Odd(15)	MOCA: 4000 FT {Klasa D/C} (16) PERM (15) PERM
△ CRES NDB (CRE)	445410.37N 0142459.57E					
(RNAV 5)	341° 161°	35.2 NM	FL 205 7000 FT MSL	Even(18)	Odd(17)	MOCA: 7000 FT {Klasa D/C} (18) PERM (17) PERM
△ GEMKA (FIR BDRY)	452813N 0141215E					For continuation see AIP Slovenia.
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Dubrovnik APP 123.600 MHZ; Pula APP 124.600 MHZ; Split APP 120.875 MHZ; Zadar APP 128.525 MHZ						

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Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
L611						
▲ KOFER TCP	415538N 0183949E					
(RNAV 5)	307°	8.0 NM	FL 205 5000 FT MSL	Even		MOCA: 5000 FT
△ VAKSU (FIR BDRY)	420051N 0183137E					For continuation see AIP Serbia and Montenegro.
(RNAV 5)	303°	52.7 NM	FL 205 5000 FT MSL	Even(1)		MOCA: 5000 FT {Klasa D/C} (1) PERM
△ AMUGO	423239N 0173502E					
(RNAV 5)	303°	57.2 NM	FL 205 5000 FT MSL	Even(3)		MOCA: 5000 FT {Klasa D/C} (3) PERM
△ UVODI	430639N 0163231E					
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Dubrovnik APP 123.600 MHZ; Split APP 120.875 MHZ						

Oznaka rute	**Rutne napomene**					
Naziv značajne točke, kodirana oznaka ili kodni naziv	**Geografske koordinate značajne točke**					**Napomene za značajne točke**
Navigacijska specifikacija RCP, RSP specifikacija	**MAG smjer** ↓ — ↑	**Geodetska udaljenost**	**Gornje i donje granice**	**Smjer putnih razina** ↓	↑	**Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}**
L614						
△ SONIK (FIR BDRY)	442654N 0160836E					For continuation see AIP Bosnia and Herzegovina.
(RNAV 5)	102°	27.3 NM	FL 205 9000 FT MSL		Odd(1)	MOCA: 9000 FT {Klasa D/C} (1) CDR1 H24 (6) Unsatisfactory PUL VOR/DME coverage below FL 120.
△ PALEZ	443430N 0153159E					
(RNAV 5)	102°	20.8 NM	FL 205 8000 FT MSL		Odd(2)	MOCA: 8000 FT {Klasa D/C} (2) CDR1 H24
△ KUDUL	444011N 0150355E					
(RNAV 5)	101°	50.8 NM	FL 205 8000 FT MSL		Odd(3)	MOCA: 8000 FT {Klasa D/C} (3) CDR1 H24
△ PULA VOR/DME (PUL)	445332.52N 0135505.23E					
(RNAV 5)	275° 096°	35.7 NM	FL 205 5000 FT MSL	Even(4)	Odd(5)	MOCA: 5000 FT {Klasa D/C} (4) CDR1 H24 (5) CDR1 H24
▲ LABIN (FIR BDRY)	445909N 0130529E					For continuation see AIP Italy.
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Pula APP 124.600 MHZ						

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Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	Smjer putnih razina ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
L615						
△ KOREX (FIR BDRY)	444616N 0154609E					For continuation see AIP Bosnia and Herzegovina.
(RNAV 5)	281°	35.2 NM	FL 205 8000 FT MSL	Even(1)		MOCA: 8000 FT {Klasa D/C} (1) CDR1 H24
△ OBALA	445513N 0145821E					
(RNAV 5)	280°	66.8 NM	FL 205 8000 FT MSL	Even(2)		MOCA: 8000 FT {Klasa D/C} (2) CDR1 H24
△ NAKIT	451117N 0132652E					
(RNAV 5)	279°	19.7 NM	FL 205 5000 FT MSL	Even(3)		MOCA: 5000 FT {Klasa D,C} (3) PERM
▲ ROTAR (FIR BDRY)	451546N 0125944E					For continuation see AIP Italy.
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ						

Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
L862						
▲ AIOSA (FIR BDRY)	415542N 0171454E					For continuation see AIP Italy.
(RNAV 5)	332° 152°	47.9 NM	FL 205 5000 FT MSL	Even(2)	Odd(1)	MOCA: 5000 FT {Klasa D/C} (1) PERM (2) PERM
△ RILIM	423931N 0164856E					
(RNAV 5)	332° 152°	29.7 NM	FL 205 5000 FT MSL	Even(4)	Odd(3)	MOCA: 5000 FT {Klasa D/C} (3) PERM (4) PERM
△ UVODI	430639N 0163231E					
(RNAV 5)	332° 152°	25.4 NM	FL 205 5000 FT MSL	Even(6)	Odd(5)	MOCA: 5000 FT {Klasa D/C} (5) PERM (6) PERM
△ SPLIT VOR/DME (SPL)	432947.69N 0161817.00E					
(RNAV 5)	329° 149°	25.0 NM	FL 205 8000 FT MSL	Even(8)	Odd(7)	MOCA: 8000 FT {Klasa D/C} (7) PERM (8) PERM
△ OKLAX	435203N 0160234E					
(RNAV 5)	329° 149°	18.0 NM	FL 205 8000 FT MSL	Even(10)	Odd(9)	MOCA: 8000 FT {Klasa D/C} (9) CDR1 H24 (10) CDR1 H24
△ NUPSO	440803N 0155108E					
(RNAV 5)	329° 149°	17.3 NM	FL 205 8000 FT MSL	Even(12)	Odd(11)	MOCA: 8000 FT {Klasa D/C} (11) CDR1 H24 (12) CDR1 H24 (21) Unsatisfactory SPL VOR/DME coverage below FL 120
△ DIGOT	442324N 0154004E					
(RNAV 5)	329° 148°	12.5 NM	FL 205 8000 FT MSL	Even(14)	Odd(13)	MOCA: 8000 FT {Klasa D/C} (13) CDR1 H24 (14) CDR1 H24 (22) Unsatisfactory SPL VOR/DME coverage below FL 120
△ PALEZ	443430N 0153159E					
(RNAV 5)	328° 148°	24.2 NM	FL 205 8000 FT MSL	Even(16)	Odd(15)	MOCA: 8000 FT {Klasa D/C} (15) CDR1 H24 (16) CDR1 H24 (23) Unsatisfactory SPL VOR/DME coverage below FL 120
△ DABAR	445556N 0151613E					
(RNAV 5)	328° 148°	8.8 NM	FL 205 8000 FT MSL	Even(18)	Odd(17)	MOCA: 8000 FT {Klasa D/C} (17) CDR1 H24 (18) CDR1 H24
△ GISER	450342N 0151026E					
(RNAV 5)	328° 148°	27.5 NM	FL 205 8000 FT MSL	Even(20)	Odd(19)	MOCA: 8000 FT {Klasa D/C} (19) CDR1 H24 (20) CDR1 H24
△ SABAD (FIR BDRY)	452757N 0145203E					For continuation see AIP Slovenia.

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Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	 ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
L868						
△ ZADAR VOR/DME (ZDA)	440543.16N 0152151.22E					
(RNAV 5)	348° 168°	58.6 NM	FL 205 8000 FT MSL	Even(2)	Odd(1)	MOCA: 8000 FT {Klasa D/C} (2) CDR1 H24 (1) CDR1 H24 Unsatisfactory ZDA VOR/DME coverage below FL 120.
△ GISER	450342N 0151026E					
(RNAV 5)	341° 161°	6.4 NM	FL 205 8000 FT MSL	Even(4)	Odd(3)	MOCA: 8000 FT {Klasa D/C} (4) CDR1 H24 (3) CDR1 H24
△ KULEN	450955N 0150801E					
(RNAV 5)	341° 161°	20.5 NM	FL 205 8000 FT MSL	Even(6)	Odd(5)	MOCA: 8000 FT {Klasa D/C} (6) PERM (5) PERM
△ DARZA (FIR BDRY)	452942N 0150026E					For continuation see AIP Slovenia
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Zadar APP 128.525 MHZ						

Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	 ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
M19						
▲ TUVAR (FIR BDRY)	450736N 0190439E					For continuation see AIP Serbia and Montenegro
(RNAV 5)	290° 110°	20.4 NM	FL 205 5000 FT MSL	Even(2)	Odd(1)	MOCA: 5000 FT {Klasa D/C} (2) PERM (1) PERM
△ ADULA	451614N 0183831E					
(RNAV 5)	290° 110°	25.3 NM	FL 205 6000 FT MSL	Even(4)	Odd(3)	MOCA: 6000 FT {Klasa D/C} (4) CDR1 H24 (3) CDR1 H24
△ NASSY	452648N 0180559E					
(RNAV 5)	290° 110°	44.0 NM	FL 205 6000 FT MSL	Even(6)	Odd(5)	MOCA: 6000 FT {Klasa D/C} (6) CDR1 H24 (5) CDR1 H24
△ BARNA VOR/DME (VBA)	454452.08N 0170848.29E					
(RNAV 5)	312° 132°	28.5 NM	FL 205 5000 FT MSL	Even(8)	Odd(7)	MOCA: 5000 FT {Klasa D/C} (8) CDR1 H24 (7) CDR1 H24
△ RASIN	460525N 0164031E					
(RNAV 5)	312° 132°	24.0 NM	FL 205 5000 FT MSL	Even(10)	Odd(9)	MOCA: 5000 FT {Klasa D/C} (10) PERM (9) PERM
△ OBUTI (FIR BDRY)	462242N 0161627E					For continuation see AIP Slovenia
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Zagreb APP 118.885 MHZ, 120.700 MHZ za State ACFT koji nemaju mogućnost 8.33 KHZ; Osijek APP 128.350 MHZ						

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Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	 ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
M167						
▲ ROTAR (FIR BDRY)	451546N 0125944E					For continuation see AIP Italy.
(RNAV 5)	066° 246°	35.1NM	FL 135 5000 FT MSL	Odd(2)	Even(1)	MOCA: 5000 FT {Klasa D/C} (2) PERM (1) PERM
△ BUGEV (FIR BDRY)	452756N 0134624E					For continuation see AIP Slovenia.
Napomene o ruti: Jedinica kontrole: Pula APP 124.600 MHZ						

Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	Smjer putnih razina ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
M169						
▲ KATTI (FIR BDRY)	423028N 0160256E					For continuation see AIP Italy.
(RNAV 5)	084° 264°	51.1NM	FL 205 5000 FT MSL	Odd(2)	Even(1)	MOCA: 5000 FT {Klasa D/C} (2) PERM (1) PERM
△ ORAKA	423213N 0171202E					
(RNAV 5)	084° 265°	17.0NM	FL 205 5000 FT MSL	Odd(4)	Even(3)	MOCA: 5000 FT {Klasa D/C} (4) PERM (3) PERM
△ AMUGO	423239N 0173502E					
(RNAV 5)	085° 265°	30.8NM	FL 205 6000 FT MSL	Odd(6)	Even(5)	MOCA: 6000 FT {Klasa D/C} (6) PERM (5) PERM
△ BALHA	423314N 0181639E					
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Dubrovnik APP 123.600 MHZ						

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Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	 ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
M178						
▲ NIKOL (FIR BDRY)	441319N 0134110E					For continuation see AIP Italy.
(RNAV 5)	010° 190°	41.4 NM	FL 205 5000 FT MSL	Even(1)	Odd(2)	MOCA: 5000 FT {Klasa D/C} (1) CDR1 H24 (2) CDR1 H24
△ PULA VOR/DME (PUL)	445332.52N 0135505.23E					
(RNAV 5)	011° 191°	36.2 NM	FL 205 7000 FT MSL	Even(3)	Odd(4)	MOCA: 7000 FT {Klasa D/C} (3) CDR1 H24 (4) CDR1 H24
△ GIRDA (FIR BDRY)	452832N 0140802E					For continuation see AIP Slovenia.
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Pula APP 124.600 MHZ						

Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	Smjer putnih razina ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
M725						
△ SOMIG	431014N 0160426E					
(RNAV 5)	203°	22.0 NM	FL 205 5000 FT MSL		Even(1)	MOCA: 5000 FT {Klasa D,/C} (1) CDR1 H24
△ SPLIT VOR/DME (SPL)	432947.69N 0161817.00E					
(RNAV 5)	356° 176°	39.2 NM	FL 205 9000 FT MSL	Even(3)	Odd(2)	MOCA: 9000 FT {Klasa D/C} (3) CDR1 H24 (2) CDR1 H24
△ SIRMI (FIR BDRY)	440900N 0161813E					For continuation see AIP Bosnia and Herzegovina.
△ RUDIK (FIR BDRY)	445948N 0161818E					For continuation see AIP Bosnia and Herzegovina.
(RNAV 5)	356° 176°	54.0 NM	FL 205 8000 FT MSL	Even(4)	Odd(5)	MOCA: 8000 FT {Klasa D/C} (5) PERM (4) PERM
△ ZAGREB VOR/DME (ZAG)	455344.01N 0161824.11E					
(RNAV 5)	327° 147°	28.4 NM	FL 205 6000 FT MSL	Even(7)	Odd(6)	MOCA: 6000 FT {Klasa D/C} (7) PERM (6) PERM
△ PETOV (FIR BDRY)	461835N 0155834E					For continuation see AIP Slovenia.
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Zagreb APP 118.885 MHZ, 120.700 MHZ za State ACFT koji nemaju mogućnost 8.33 KHZ; Split APP 120.875 MHZ						

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Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	Smjer putnih razina ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
M730						
▲ VELIT (FIR BDRY)	432106N 0171638E					For continuation see AIP Bosnia and Herzegovina.
(RNAV 5)	278° 097°	43.4 NM	FL 205 8000 FT MSL	Even(2)	Odd(1)	MOCA: 8000 FT {Klasa D/C} (2) PERM (1) PERM
△ SPLIT VOR/DME (SPL)	432947.69N 0161817.00E					
(RNAV 5)	269° 089°	23.5 NM	FL 205 5000 FT MSL	Even(4)	Odd(3)	MOCA: 5000 FT {Klasa D/C} (4) CDR1 H24 (3) CDR1 H24
△ UMSON	433109N 0154603E					
(RNAV 5)	269° 089°	35.0 NM	FL 205 5000 FT MSL	Even(6)	Odd(5)	MOCA: 5000 FT {Klasa D/C} (6) CDR1 H24 (5) CDR1 H24
△ ELGUS	433252N 0145800E					
(RNAV 5)	269° 088°	23.7 NM	FL 205 5000 FT MSL	Even(8)	Odd(7)	MOCA: 5000 FT {Klasa D/C} (8) CDR1 H24 (7) CDR1 H24
▲ TORPO (FIR BDRY)	433351N 0142529E					For continuation see AIP Italy.
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Split APP 120.875 MHZ						

Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	 ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
M859						
△ MONFA (FIR BDRY)	452914N 0131645E					For continuation see AIP Italy
(RNAV 5)	056° 236°	6.9 NM	FL 195 FL 135	Even(2)	Odd(1)	(1) PERM (2) PERM ATS has been temporary delegated to Padua ACC.
△ UMBEK (FIR BDRY)	453240N 0132511E					For continuation see AIP Slovenia Vidi AIP ENR 2.1

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Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	Smjer putnih razina ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
M986						
▲ IBENI (FIR BDRY)	440051N 0135518E					For continuation see AIP Italy.
(RNAV 5)	033° 214°	26.8 NM	FL 205 5000 FT MSL	Even(2)	Odd(1)	MOCA: 5000 FT {Klasa D/C} (2) CDR1 H24 (1) CDR1 H24
△ IPKIS	442206N 0141803E					
(RNAV 5)	034° 214°	12.1 NM	FL 205 5000 FT MSL	Even(4)	Odd(3)	MOCA: 5000 FT {Klasa D/C} (3) PERM (4) PERM
△ LOSINJ NDB (LOS)	443137.55N 0142822.25E					
(RNAV 5)	032° 212°	13.1 NM	FL 205 8000 FT MSL	Even(6)	Odd(5)	MOCA: 8000 FT {Klasa D/C} (5) PERM (6) PERM
△ ULPIN	444213N 0143914E					
(RNAV 5)	032° 213°	34.4 NM	FL 205 8000 FT MSL	Even(8)	Odd(7)	MOCA: 8000 FT {Klasa D/C} (7) PERM (8) PERM
△ KULEN	450955N 0150801E					
(RNAV 5)	044° 224°	10.2 NM	FL 205 8000 FT MSL	Odd(12)	Even(11)	MOCA: 8000 FT {Klasa D/C} (11) PERM (12) PERM Unsatisfactory ZAG VOR/DME coverage below FL 100.
△ RUGOG	451641N 0151845E					
(RNAV 5)	044° 224°	14.7 NM	FL 205 8000 FT MSL	Odd(14)	Even(13)	MOCA: 8000 FT {Klasa D/C} (13) PERM (14) PERM
△ KOTOR	452628N 0153420E					
(RNAV 5)	044° 225°	41.2 NM	FL 205 7500 FT MSL	Odd(16)	Even(15)	MOCA: 7500 FT {Klasa D/C} (15) PERM (16) PERM
△ ZAGREB VOR/DME (ZAG)	455344.01N 0161824.11E					
(RNAV 5)	049° 229°	19.4 NM	FL 205 5000 FT MSL	Odd(18)	Even(17)	MOCA: 5000 FT {Klasa D/C} (17) PERM (18) PERM
△ RASIN	460525N 0164031E					
(RNAV 5)	049° 229°	15.0 NM	FL 205 5000 FT MSL	Odd(20)	Even(19)	MOCA: 5000 FT {Klasa D/C} (19) PERM (20) PERM
▲ KOPRY (FIR BDRY)	461425N 0165746E					For continuation see AIP Hungary.
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Zagreb APP 118.885 MHZ, 120.700 MHZ za State ACFT koji nemaju mogućnost 8.33 KHZ						

Oznaka rute	**Rutne napomene**					
Naziv značajne točke, kodirana oznaka ili kodni naziv	**Geografske koordinate značajne točke**					**Napomene za značajne točke**
Navigacijska specifikacija RCP, RSP specifikacija	**MAG smjer** ↓ — ↑	**Geodetska udaljenost**	**Gornje i donje granice**	**Smjer putnih razina** ↓	**Smjer putnih razina** ↑	**Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}**
N131						
▲ GUBOK (FIR BDRY)	450241N 0175142E					For continuation see AIP Bosnia and Herzegovina.
(RNAV 5)	304° 124°	50.0NM	FL 205 6000 FT MSL	Even(1)	Odd(2)	MOCA: 6000 FT {Klasa D/C} (1) CDR1 H24 (2) CDR1 H24
△ MOSAV	453331N 0165557E					
(RNAV 5)	304° 123°	33.2NM	FL 205 6000 FT MSL	Even(4)	Odd(3)	MOCA: 6000 FT {Klasa D/C} (3) CDR1 H24 (4) CDR1 H24
△ ZAGREB VOR/DME (ZAG)	455344.01N 0161824.11E					
Napomene o ruti: Jedinica kontrole: Zagreb ACC 129.650 MHZ; Zagreb APP 118.885 MHZ, 120.700 MHZ za State ACFT koji nemaju mogućnost 8.33 KHZ						

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Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	 ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
N138						
▲ CRAYE (FIR BDRY)	413010N 0180745E					For continuation see AIP Italy.
(RNAV 5)	322° 142°	30.0 NM	FL 195 5000 FT MSL	Even(1)	Odd(2)	MOCA: 5000 FT (1) PERM (2) PERM Unsatisfactory SPL VOR/DME coverage below FL 120. ATS services has been temporary delegated to Brindisi ACC.
▲ GISAM TCP	415507N 0174531E					
(RNAV 5)	322° 142°	44.7 NM	FL 205 5000 FT MSL	Even(3)	Odd(4)	MOCA: 5000 FT {Klasa D/C} (3) PERM (4) PERM Unsatisfactory SPL VOR/DME coverage below FL 120.
△ ORAKA	423213N 0171202E					
(RNAV 5)	322° 141°	69.8 NM	FL 205 5000 FT MSL	Even(5)	Odd(6)	MOCA: 5000 FT {Klasa D/C} (5) PERM (6) PERM
△ SPLIT VOR/DME (SPL)	432947.69N 0161817.00E					
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Dubrovnik APP 123.600 MHZ; Split APP 120.875 MHZ						

Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	 ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
N606						
△ ZADAR VOR/DME (ZDA)	440543.16N 0152151.22E					
(RNAV 5)	300° 120°	31.0 NM	FL 205 5000 FT MSL	Even(2)	Odd(1)	MOCA: 5000 FT {Klasa D/C} (2) PERM (1) PERM
△ EBITA	442306N 0144609E					
(RNAV 5)	300° 120°	15.3 NM	FL 205 5000 FT MSL	Even(4)	Odd(3)	MOCA: 5000 FT {Klasa D/C} (4) PERM (3) PERM
△ LOSINJ NDB (LOS)	443137.55N 0142822.25E					
(RNAV 5)	309° 129°	32.3NM	FL 205 5000 FT MSL	Even(6)	Odd(5)	MOCA: 5000 FT {Klasa D/C} (6) CDR1 H24 (5) CDR1 H24
△ PULA VOR/DME (PUL)	445332.52N 0135505.23E					
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Zadar APP 128.525 MHZ; Pula APP 124.600 MHZ						

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Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	Smjer putnih razina ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
N748						
▲ XAMIT (FIR BDRY)	431842N 0144752E					For continuation see AIP Italy.
(RNAV 5)	204°	16.0 NM	FL 205 5000 FT MSL		Even(1)	{Klasa D/C} (1) CDR1 H24
△ ELGUS	433252N 0145800E					
(RNAV 5)	016° 197°	25.0 NM	FL 205 5000 FT MSL	Odd(3)	Even(2)	MOCA: 5000 FT {Klasa D/C} (3) CDR1 H24 (2) CDR1 H24
△ SALI NDB (SAL)	435616.30N 0151005.20E					
(RNAV 5)	038° 218°	12.7 NM	FL 205 5000 FT MSL	Odd(5)	Even(4)	MOCA: 5000 FT {Klasa D/C} (5) CDR1 H24 (4) CDR1 H24
△ ZADAR VOR/DME (ZDA)	440543.16N 0152151.22E					
(RNAV 5)	032° 213°	22.0 NM	FL 205 9000 FT MSL	Odd(7)	Even(6)	MOCA: 9000 FT {Klasa D/C} (7) CDR1 H24 (6) CDR1 H24
△ DIGOT	442324N 0154004E					
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ						

Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	Smjer putnih razina ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
P10						
△ NERRA	425419N 0173236E					
(RNAV 5)	028° 208°	9.7 NM	FL 205 9000 FT MSL	Odd(2)	Even(1)	MOCA: 9000 FT {Klasa D/C} (2) PERM (1) PERM
▲ NETKO (FIR BDRY)	430230N 0173942E					For continuation see AIP Bosnia and Herzegovina.
▲ VIBOP (FIR BDRY)	445957N 0184339E					For continuation see AIP Bosnia and Herzegovina.
(RNAV 5)	342° 162°	16.7 NM	FL 205 5000 FT MSL	Odd(4)	Even(3)	MOCA: 5000 FT {Klasa D/C} (4) PERM (3) PERM
△ ADULA	451614N 0183831E					
(RNAV 5)	342° 162°	15.9 NM	FL 205 5000 FT MSL	Odd(6)	Even(5)	MOCA: 5000 FT {Klasa D/C} (5) PERM (6) PERM
△ CEPIN L (CE)	453142.33N 0183336.18E					
(RNAV 5)	330° 150°	14.5 NM	9500 FT MSL 6000 FT MSL	Odd(8)	Even(7)	MOCA: 6000 FT {Klasa D} (7) CDR1 H24 (8) CDR1 H24
▲ BAREB (FIR BDRY)	454446N 0182448E					For continuation see AIP Hungary.
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Osijek APP 128.350 MHZ; Dubrovnik APP 123.600 MHZ						

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Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	 ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
P11						
▲ TUVAR (FIR BDRY)	450736N 0190439E					For continuation see AIP Serbia and Montenegro.
(RNAV 5)	238° 058°	16.7 NM	FL 205 5000 FT MSL	Even(2)	Odd(1)	MOCA: 5000 FT {Klasa D/C} (2) PERM (1) PERM
▲ VIBOP (FIR BDRY)	445957N 0184339E					For continuation see AIP Bosnia and Herzegovina.
△ RASTU (FIR BDRY)	445632N 0154436E					For continuation see AIP Bosnia and Herzegovina.
(RNAV 5)	264° 084°	20.2 NM	FL 205 8000 FT MSL	Even(4)	Odd(3)	MOCA: 8000 FT {Klasa D/C} (4) CDR1 H24 (3) CDR1 H24 Unsatisfactory PUL VOR/DME coverage below FL 120.
△ DABAR	445556N 0151613E					
(RNAV 5)	263° 083°	12.7 NM	FL 205 8000 FT MSL	Even(6)	Odd(5)	MOCA: 8000 FT {Klasa D/C} (6) CDR1 H24 (5) CDR1 H24
△ OBALA	445513N 0145821E					
(RNAV 5)	264° 083°	23.7 NM	FL 205 8000 FT MSL	Even(8)	Odd(7)	MOCA: 8000 FT {Klasa D/C} (8) CDR1 H24 (7) CDR1 H24
△ CRES NDB (CRE)	445410.37N 0142459.57E					
(RNAV 5)	264° 084°	21.3NM	FL 205 5000 FT MSL	Even(10)	Odd(9)	MOCA: 5000 FT {Klasa D/C} (10) CDR1 H24 (9) CDR1 H24
△ PULA VOR/DME (PUL)	445332.52N 0135505.23E					
(RNAV 5)	296° 116°	45.1NM	FL 205 5000 FT MSL	Even(12)	Odd(11)	MOCA: 5000 FT {Klasa D/C} (12) CDR1 H24 (11) CDR1 H24
▲ ROTAR (FIR BDRY)	451546N 0125944E					
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Zadar APP 128.525 MHZ; Pula APP 124.600 MHZ; Osijek APP 128.350 MHZ						

Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	 ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
P28						
△ PULA VOR/DME (PUL)	445332.52N 0135505.23E					
(RNAV 5)	325° 145°	22.2 NM	FL 135 5000 FT MSL	Even(2)	Odd(1)	MOCA: 5000 FT {Klasa D/C} (2) PERM (1) PERM
△ UZORE	451237N 0133856E					
(RNAV 5)	351° 171°	10.9 NM	FL 135 5000 FT MSL	Even(4)	Odd(3)	MOCA: 5000 FT {Klasa D/C} (4) PERM (3) PERM
△ ABLAT TCP	452326N 0133734E					
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Pula APP 124.600 MHZ						

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Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	 ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
P151						
△ CRES NDB (CRE)	445410.37N 0142459.57E					
(RNAV 5)	014° 194°	20.3 NM	FL 205 4000 FT MSL	Even(2)	Odd(1)	MOCA: 4000 FT {Klasa D/C} (2) PERM (1) PERM
△ RIJEKA VOR/DME (RJK)	451326.85N 0143401.06E					
(RNAV 5)	018° 198°	19.4 NM	FL 205 8000 FT MSL	Even(4)	Odd(3)	MOCA: 8000 FT {Klasa D/C} (4) PERM (3) PERM
△ ALIVO (FIR BDRY)	453124N 0144421E					For continuation see AIP Slovenia.
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Pula APP 124.600 MHZ						

Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	 ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
P735						
▲ PEROT (FIR BDRY)	452402N 0190046E					For continuation see AIP Serbia and Montenegro.
(RNAV 5)	107°	20.6 NM	FL 205 5000 FT MSL		Odd(1)	MOCA: 5000 FT {Klasa D/C} (1) PERM
△ CEPIN L (CE)	453142.33N 0183336.18E					
(RNAV 5)	278° 098°	20.0 NM	FL 205 5000 FT MSL	Even(3)	Odd(2)	MOCA: 5000 FT {Klasa D/C} (3) CDR1 H24 (2) CDR1 H24
△ LAKIK	453608N 0180551E					
(RNAV 5)	278° 098°	40.9 NM	FL 205 5000 FT MSL	Even(5)	Odd(4)	MOCA: 5000 FT {Klasa D/C} (5) CDR1 H24 (4) CDR1 H24
△ BARNA VOR/DME (VBA)	454452.08N 0170848.29E					
(RNAV 5)	280° 100°	36.3 NM	FL 205 5000 FT MSL	Even(7)	Odd(6)	MOCA: 5000 FT {Klasa D/C} (7) CDR1 H24 (6) CDR1 H24
△ ZAGREB VOR/DME (ZAG)	455344.01N 0161824.11E					
(RNAV 5)	277° 096°	25.7 NM	FL 205 8000 FT MSL	Even(9)	Odd(8)	MOCA: 8000 FT {Klasa D/C} (9) PERM (8) PERM
△ MAGAM (FIR BDRY)	455822N 0154211E					For continuation see AIP Slovenia.
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Zagreb APP 118.885 MHZ, 120.700 MHZ za State ACFT koji nemaju mogućnost 8.33 KHZ; Osijek APP 128.350 MHZ						

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Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	 ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
P748						
▲ AIOSA (FIR BDRY)	415542N 0171454E					For continuation see AIP Italy.
(RNAV 5)	046° 227°	59.2 NM	FL 205 5000 FT MSL	Even(2)	Odd(1)	MOCA: 5000 FT {Klasa D/C} (2) PERM (1) PERM
△ BALHA	423314N 0181639E					
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Dubrovnik APP 123.600 MHZ						

Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	 ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
Q482						
▲ LOKDI (FIR BDRY)	412942N 0182022E					For continuation see AIP Serbia and Montenegro.
(RNAV 5)	269° 089°	9.5NM	FL 195 6000 FT MSL	Even(2)	Odd(1)	MOCA: 6000 FT (1) PERM (2) PERM ATS has been temporary delegated to Brindisi ACC.
▲ CRAYE (FIR BDRY)	413010N 0180745E					For continuation see AIP Italy.
Napomene o ruti:						

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Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	 ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
Q571						
▲ GUBOK (FIR BDRY)	450241N 0175142E					For continuation see AIP Bosnia & Herzegovina.
(RNAV 5)	019° 198°	26.1 NM	9500 FT MSL 6000 FT MSL	Odd(2)	Even(1)	MOCA: 6000 FT {Klasa D} (2) CDR1 H24 (1) CDR1 H24
△ NASSY	452648N 0180559E					
(RNAV 5)	354° 174°	9.4 NM	9500 FT MSL 6000 FT MSL	Odd(4)	Even(3)	MOCA: 6000 FT {Klasa D} (4) CDR1 H24 (3) CDR1 H24
△ LAKIK	453608N 0180551E					
(RNAV 5)	052° 232°	15.9 NM	9500 FT MSL 6000 FT MSL	Odd(6)	Even(5)	MOCA: 6000 FT {Klasa D} (6) CDR1 H24 (5) CDR1 H24
△ BAREB (FIR BDRY)	454446N 0182448E					For continuation see AIP Hungary.
Napomene o ruti: Osijek APP 128.350 MHZ						

Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	 ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
T742						
△ NAKIT	451117N 0132652E					
(RNAV 5)	083° 264°	47.5 NM	FL 205 7000 FT MSL	Odd(2)	Even(1)	MOCA: 7000 FT {Klasa D/C} (2) PERM (1) PERM
△ RIJEKA VOR/DME (RJK)	451326.85N 0143401.06E					
(RNAV 5)	069° 249°	44.5 NM	FL 205 8000 FT MSL	Odd(4)	Even(3)	MOCA: 8000 FT {Klasa D/C} (3) PERM (4) PERM Unsatisfactory RJK VOR/DME coverage below FL 120.
△ KOTOR	452628N 0153420E					
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ						

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Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	Smjer putnih razina ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
Y88						
▲ KENEM (FIR BDRY)	433800N 0165648E					For continuation see AIP Bosnia and Herzegovina.
(RNAV 5)	250° 069°	29.2 NM	FL 205 8000 FT MSL	Odd(2)	Even(1)	MOCA: 8000 FT {Klasa D/C} (2) PERM (1) PERM
△ SPLIT VOR/DME (SPL)	432947.69N 0161817.00E					
(RNAV 5)	295° 114°	56.1 NM	FL 205 5000 FT MSL	Even(4)	Odd(3)	MOCA: 5000 FT {Klasa D/C} (4) CDR1 H24 (3) CDR1 H24
△ SALI NDB (SAL)	435616.30N 0151005.20E					
(RNAV 5)	316° 136°	31.6 NM	FL 205 4000 FT MSL	Even(6)	Odd(5)	MOCA: 4000 FT {Klasa D/C} (6) CDR1 H24 (5) CDR1 H24
△ MINTU	442024N 0144144E					
(RNAV 5)	316° 135°	14.8 NM	FL 205 4000 FT MSL	Even(8)	Odd(7)	MOCA: 4000 FT {Klasa D/C} (8) PERM (7) PERM
△ LOSINJ NDB (LOS)	443137.55N 0142822.25E					
(RNAV 5)	350° 170°	22.7 NM	FL 205 5000 FT MSL	Even(10)	Odd(9)	MOCA: 5000 FT {Klasa D/C} (10) PERM (9) PERM
△ CRES NDB (CRE)	445410.37N 0142459.57E					
(RNAV 5)	058° 239°	34.3 NM	FL 205 7000 FT MSL	Even(12)	Odd(11)	MOCA: 7000 FT {Klasa D/C} (12) PERM (11) PERM
△ KULEN	450955N 0150801E					

Napomene o ruti:
Jedinica kontrole: Zagreb ACC 135.800 MHZ;
Zagreb APP 118.885 MHZ, 120.700 MHZ za State ACFT koji nemaju mogućnost 8.33 KHZ
Split APP 120.875 MHZ;
Zadar APP 128.525 MHZ;
Pula APP 124.600 MHZ

Oznaka rute	**Rutne napomene**					
Naziv značajne točke, kodirana oznaka ili kodni naziv	**Geografske koordinate značajne točke**					**Napomene za značajne točke**
Navigacijska specifikacija RCP, RSP specifikacija	**MAG smjer** ↓ — ↑	**Geodetska udaljenost**	**Gornje i donje granice**	**Smjer putnih razina** ↓	↑	**Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}**
Y128						
△ TIKSA	430103N 0171852E					
(RNAV 5)	167°	29.1 NM	FL 205 9000 FT MSL		Odd(1)	MOCA: 9000 FT {Klasa D/C} (1) PERM
▲ ORVAT (FIR BDRY)	432948N 0171256E					For continuation see AIP Bosnia and Herzegovina.
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Split APP 120.875 MHZ; Dubrovnik APP 123.600 MHZ						

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Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
Y137						
△ PALEZ	443430N 0153159E					
(RNAV 5)	198°	23.8 NM	FL 205 8000 FT MSL		Even(1)	MOCA: 8000 FT {Klasa D/C} (1) CDR1 H24
△ RASTU (FIR BDRY)	445632N 0154436E					For continuation see AIP Bosnia and Herzegovina.
△ NIVES (FIR BDRY)	451326N 0155427E					For continuation see AIP Bosnia and Herzegovina.
(RNAV 5)	199°	43.7 NM	FL 205 8000 FT MSL		Even(2)	MOCA: 8000 FT {Klasa D/C} (2) PERM
△ ZAGREB VOR/DME (ZAG)	455344.01N 0161824.11E					
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Zagreb APP 118.885 MHZ, 120.700 MHZ za State ACFT koji nemaju mogućnost 8.33 KHZ						

Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	 ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
Z636						
▲ CRAYE (FIR BDRY)	413010N 0180745E					For continuation see AIP Italy.
(RNAV 5)	039° 219°	19.6 NM	FL 195 6500 FT MSL	Even(2)	Odd(1)	MOCA: 6500 FT (1) PERM (2) PERM ATS has been temporary delegated to Brindisi ACC
▲ TEPKO (FIR BDRY)	414427N 0182541E					For continuation see AIP Serbia and Montenegro.
Napomene o ruti: ATS has been temporary delegated to Brindisi ACC						

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Oznaka rute	Rutne napomene					
Naziv značajne točke, kodirana oznaka ili kodni naziv	Geografske koordinate značajne točke					Napomene za značajne točke
Navigacijska specifikacija RCP, RSP specifikacija	MAG smjer ↓ — ↑	Geodetska udaljenost	Gornje i donje granice	Smjer putnih razina ↓	Smjer putnih razina ↑	Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}
Z748	(7) ATS has been temporary delegated to Brindisi ACC.					
▲ CRAYE (FIR BDRY)	413010N 0180745E					For continuation see AIP Italy.
(RNAV 5)	002° 183°	26.0 NM	FL 195 6000 FT MSL	Even(2)	Odd(1)	MOCA: 6000 FT (1) PERM (2) PERM ATS has been temporary delegated to Brindisi ACC.
▲ BEVIS TCP	415558N 0181140E					
(RNAV 5)	002° 182°	20.4 NM	FL 205 6000 FT MSL	Even(4)	Odd(3)	MOCA: 6000 FT {Klasa D/C} (3) PERM (4) PERM
△ RIGVA	421614N 0181422E					
(RNAV 5)	002° 182°	17.1 NM	FL 205 6000 FT MSL	Even(6)	Odd(5)	MOCA: 6000 FT {Klasa D/C} (5) PERM (6) PERM
△ BALHA	423314N 0181639E					
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Dubrovnik APP 123.600 MHZ						

Oznaka rute	**Rutne napomene**					
Naziv značajne točke, kodirana oznaka ili kodni naziv	**Geografske koordinate značajne točke**					**Napomene za značajne točke**
Navigacijska specifikacija RCP, RSP specifikacija	**MAG smjer** ↓ — ↑	**Geodetska udaljenost**	**Gornje i donje granice**	**Smjer putnih razina** ↓	↑	**Napomene Kontrolna jedinica, operativni kanal, adresa prijave Ograničenja RCP, RSP NAV specifikacije Zahtjevi NAV točnosti {Klasa zračnog prostora}**
Z924						
▲ VELUG (FIR BDRY)	425427N 0152615E					For continuation see AIP Italy.
(RNAV 5)	237°	32.1 NM	FL 205 5000 FT MSL		Even(1)	MOCA: 5000 FT {Klasa D/C} (1) CDR1 H24
△ SOMIG	431014N 0160426E					
Napomene o ruti: Jedinica kontrole: Zagreb ACC 135.800 MHZ; Split APP 120.875 MHZ						

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ENR 4 RADIONAVIGACIJSKA SREDSTVA/SUSTAVI

ENR 4.1 RADIONAVIGACIJSKA SREDSTVA - NA RUTI

Naziv postaje (VOR/VAR)	ID	Frekvencija (CH)	Vrijeme rada	Koordinate odašiljačke antene	ELEV DME antene	Napomene
1	2	3	4	5	6	7
BARNA VOR/DME (4°E/2019)	VBA	117.4 MHZ (CH 121X)	H24	454452.08N 0170848.29E	576 FT	Pokrivenost 80 NM osim između 114°- 159° QDR. Nezadovoljavajuća gustoća snage DME antene zbog terena (profil leta: orbitalni let, radijus 40 NM, 5000 FT QNH) FRA (AD): LDZA; FRA (I)
BRAC DME	BRC	(CH 101Y)	H24	431656.93N 0163720.83E	2564 FT	Pokrivenost 80 NM
CEPIN L	CE	372 KHZ	H24	453142.33N 0183336.18E		Pokrivenost 25 NM
CRES NDB	CRE	433 KHZ	H24	445410.37N 0142459.57E		Pokrivenost 50 NM FRA (A): LDLO, LDRI; FRA (D): LDRI; FRA (I)
DUBROVNIK VOR/DME (4°E/2019)	DBK	115.4 MHZ (CH101X)	H24	423403.53N 0181522.00E	556 FT	MRA at 40 NM: QDR 169°-300° 4000 FT Coverage 80 NM unusable between QDR 057°-073°
JAPETIC DME	JAP	(CH 123Y)	H24	454440.18N 0153629.45E	2927 FT	Pokrivenost 80 NM
LOSINJ VOR/DME (4° E/2019)	NTL	117.350 MHZ (CH 120Y)	H24	443359.44N 0142327.79E	190 FT	Coverage 80 NM, except between QDR 330°-120° where coverage is 40 NM. MRA at 40 NM: QDR 020°-120° 10000 FT QDR 120°-330° 5000 FT QDR 330°-020° 12000 FT
LOSINJ DME	LSJ	(CH 21Y)	H24	443057.23N 0142927.66E	722 FT	Pokrivenost 80 NM
LOSINJ NDB	LOS	429 KHZ	H24	443137.55N 0142822.25E		Range 50 NM FRA (A): LDPL, LDRI, LDZD; FRA (D): LDPL; FRA (I)
LUKAVEC DME	LUK	(CH 35Y)	H24	454125.96N 0155932.90E	471 FT	Pokrivenost 80 NM, osim smanjene pokrivenosti između QDR 341°-357°

Naziv postaje (VOR/VAR)	ID	Frekvencija (CH)	Vrijeme rada	Koordinate odašiljačke antene	ELEV DME antene	Napomene
1	2	3	4	5	6	7
OSIJEK DME	KLS	(CH 29Y)	H24	452758.26N 0184732.16E	314 FT	Coverage 150 NM
PETROVA GORA DME	PTG	(CH 17Y)	H24	451846.05N 0154820.06E	1865 FT	Pokrivenost 150 NM
PISAROVINA NDB	PIS	424 KHZ	H24	453618.10N 0155038.39E		Pokrivenost 50 NM, osim između QDR 339°-049° gdje je pokrivenost 40 NM
PULA VOR/DME (4°E/2019)	PUL	111.25 MHZ (CH 49Y)	H24	445332.52N 0135505.23E	215 FT	Pokrivenost 100 NM osim između QDR 309° - 024°: nezadovoljavajuća gustoća snage zbog terena (Profil leta: Orbit flight, radijus 40NM, 3000FT do 6500FT QNH) FRA (A): LDLO, LDRI; FRA (D): LDLO, LDRI; FRA (I)
RIJEKA VOR/DME (4°E/2019)	RJK	117.8 MHZ (CH 125X)	H24	451326.85N 0143401.06E	362 FT	Coverage 60 NM FRA (D): LDPL; FRA (I)
SALI NDB	SAL	421 KHZ	H24	435616.30N 0151005.20E		MRA at 25 NM 4000 FT FRA (A): LDSP; FRA (D): LDZD; FRA (I)
SPLIT VOR/DME (4°E/2019)	SPL	115.7 MHZ (CH 104X)	H24	432947.69N 0161817.00E	734 FT	Coverage 100 NM FRA (A) LDSB, LDZD; FRA (D): LDSB, LDSP, LDZD; FRA (I)
SPLIT DME	IST	(CH 42X)	H24	433157.61N 0161720.86E	133 FT	Coverage 75 NM
TOUNJ NDB	TNJ	316 KHZ	H24	451453.22N 0152101.25E		Coverage 21 NM Military use.
ZADAR VOR/DME (4°E/2019)	ZDA	108.6 MHZ (CH 23X)	H24	440543.16N 0152151.22E	279 FT	Range 100NM except in sectors QDR 334°-044° clockwise and QDR 124°-274° clockwise where coverage is reduced due to terrain FRA (D): LDSP; FRA (I)
ZAGREB VOR/DME (4°E/2019)	ZAG	113.7 MHZ (CH84X)	H24	455344.01N 0161824.11E	420 FT	Range 100 NM FRA (D): LDZA; FRA (I)

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ENR 4.4 OZNAKE KODNIM IMENIMA ZNAČAJNIH TOČAKA

Oznaka kodnim imenom	Koordinate	ATS rute ili druge rute	Napomene
1	2	3	4
ABLAT	452326N 0133734E	P28	FRA (AD): LJPZ
ADULA	451614N 0183831E	M19, P10	SID: LDOS RWY 11/29 STAR: LDOS RWY 11/29 IAP: LDOS RWY 11 FRA (AD): LDOS; FRA (I)
AIOSA	415542N 0171454E	L862, P748	SID: LDDU RWY 11, LDDU RWY 29 STAR: LDDU RWY 11, LDDU RWY 29 FRA (I) FRA (AD): LDDU, LIBD, LIBR
ALIVO	453124N 0144421E	P151	LDRI SID 14 LDRI SID 32 FRA (D): LDRI FRA (I) FRA (EX): 7500 FT AMSL - FL 205
AMUGO	423239N 0173502E	L611, M169	SID: LDDU RWY 11, LDDU RWY 29 FRA (D): LDDU; FRA (I)
ARMIX	452857N 0141604E		 FRA (I) FRA (X): 7500 FT AMSL - FL 205
BABAG	452313N 0130737E		
BALHA	423314N 0181639E	L187, L607, M169, P748, Z748	FRA (I)
BAREB	454446N 0182448E	Q571, P10	LDOS SID 11/29 FRA (EX) - Even FLs for all exiting aircraft, Odd FLs for all entering aircraft
BAXON	442459N 0132747E		FRA (I)
BEDOX	461558N 0154934E		FRA (I)
BEVIS	415558N 0181140E	Z748	SID: LDDU RWY 11, LDDU RWY 29 STAR: LDDU RWY 11, LDDU RWY 29 FRA (I) FRA (A,D): LDDU
BUGEV	452756N 0134624E	M167	FRA (EX): 7500 FT AMSL - FL 135
BUSET	453006N 0141327E		FRA (I)
CRAYE	413010N 0180745E	N138, Q482, Z636, Z748	FRA (I) FRA (A): LIBD, LIBR FRA (D): LIBD, LIBR
DABAR	445556N 0151613E	L862, P11	FRA (I)

Oznaka kodnim imenom	Koordinate	ATS rute ili druge rute	Napomene
1	2	3	4
DARZA	452942N 0150026E	L868	FRA (A): LJLJ; FRA (I) FRA (EX): 7500 FT AMSL - FL 205
DEPET	444044N 0155810E		FRA (I)
DEVUL	450749N 0162628E		FRA (I)
DIGOT	442324N 0154004E	L862, N748	FRA (I)
DIXUM	432945N 0171158E		FRA (I)
EBITA	442306N 0144609E	N606	SID: LDLO RWY 02; LDLO RWY 20 FRA (D): LDLO FRA (I)
EDUGI	434727.78N 0141020.30E		FRA (I)
ELGUS	433252N 0145800E	M730, N748	STAR: LDZD RWY 04, LDZD RWY 13, LDZD RWY 31 FRA (A) LDZD; FRA (I)
GEMKA	452813N 0141215E	L607	LDPL SID/STAR FRA (AD): LDPL; FRA (I) FRA (EX): 7500 FT AMSL - FL 205
GIRDA	452832N 0140802E	M178	LDPL SID/STAR LDRI STAR 14; LDRI IAP 14 LDRI STAR 32 FRA (AD): LDPL; FRA (A): LDRI, FRA (I) FRA (EX): 7500 FT AMSL - FL 205
GISAM	415507N 0174531E	N138	FRA (I)
GISER	450342N 0151026E	L862, L868	SID: LDLO RWY 02; LDLO RWY 20 STAR: LDLO RWY 02; LDLO RWY 20 FRA (A): LDLO; FRA(D): LDLO; FRA (I)
GORPA	454623N 0152112E		FRA (A): LJLJ; FRA(I)
GUBOK	450241N 0175142E	Q571, N131	FRA (I)
IBENI	440051N 0135518E	M986	FRA (I)
IPKIS	442206N 0141803E	M986	LDLO SID/STAR FRA (AD): LDLO; FRA (I)
IXONA	445044N 0133256E		FRA (I)
KATTI	423028N 0160256E	M169	FRA (I)
KENEM	433800N 0165648E	Y88	LDSP SID 05; SID 23 LDSP STAR 05 LDSP STAR 23 FRA (AD): LDSP; FRA (I)

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Oznaka kodnim imenom	Koordinate	ATS rute ili druge rute	Napomene
1	2	3	4
KOFER	415538N 0183949E	L611	FRA (AD): LYTV; FRA (I)
KONUV	422609N 0182612E		FRA (I)
KOPRY	461425N 0165746E	M986	LDZA SID 04/22 FRA (EX) - Even FLs for all entering aircraft, Odd FLs for all exiting aircraft
KOREX	444616N 0154609E	L615	FRA (I)
KOTOR	452628N 0153420E	M986, T742	LDZA SID/STAR 04/22 FRA (AD): LDZA; FRA (I)
KUDUL	444011N 0150355E	L614	STAR: LDZD RWY 04, LDZD RWY 13/31 FRA (A); LDZD; FRA (I)
KULEN	450955N 0150801E	L868, M986, Y88	LDPL STAR 09/27 LDRI STAR 14/32 FRA (A): LDPL, LDRI; FRA (I)
KUSIB	450853N 0162818E		FRA (I)
LABIN	445909N 0130529E	L614	SID: LDLO RWY 02/20 STAR: LDLO RWY 02/20 LDPL STAR RWY 09/27 FRA (I) FRA (D): LDLO FRA (A): LIPZ, LDPL, LDLO
LAKIK	453608N 0180551E	Q571, P735	LDOS STAR 11 LDOS SID 29 FRA (AD): LDOS; FRA (I)
LOKDI	412942N 0182022E	Q482	
LULUD	455033.13N 0154059.73E		LDZA STAR FRA (A): LDZA FRA (X): 7500 FT AMSL - FL 205
LURID	450806N 0172358E	L603	FRA (I)
MADOS	423609N 0181457E	L187	SID: LDDU RWY 11 FRA (D): LDDU; FRA (I)
MAGAM	455822N 0154211E	P735	FRA (A): LJLJ; FRA (I) FRA (EX): 7500 FT AMSL - FL 205
MINTU	442024N 0144144E	Y88	STAR: LDLO STAR RWY 02/20; LDZD RWY 04, LDZD RWY 13/31 IAP: LDLO RWY 02/20 FRA (A): LDLO, LDZD; FRA (I)
MOKUN	422701N 0182848E	L187	SID: LDDU RWY 11, LDDU RWY 29 STAR: LDDU RWY 11, LDDU RWY 29 FRA (AD): LDDU; FRA (I)
MONFA	452914N 0131645E	M859	

Oznaka kodnim imenom	Koordinate	ATS rute ili druge rute	Napomene
1	2	3	4
MOSAV	453331N 0165557E	N131	LDZA SID 04/22 FRA (D): LDZA; FRA (I)
NAKIT	451117N 0132652E	L615, T742	LDRI SID 14 LDRI SID 32 FRA (D): LDRI; FRA (I)
NASSY	452648N 0180559E	Q571, M19	LDOS STAR 11/29, IAP 29 FRA (A): LDOS; FRA (I)
NEKIN	462426N 0164212E		STAR: LDZA RWY 04, LDZA RWY 22 FRA (E)
NEMEK	453429N 0151753E		FRA (I)
NERRA	425419N 0173236E	L607, P10	SID: LDDU RWY 29 FRA (I)
NETKO	430230N 0173942E	P10	STAR: LDDU RWY 11, LDDU RWY 29 FRA (A):LDDU, LQMO; FRA (D): LQMO; FRA (I)
NIKOL	441319N 0134110E	M178	LDLO SID/STAR FRA (I) FRA (A,D): LDLO
NIVES	451326N 0155427E	Y137	LDZA SID 04/22 FRA (D): LDZA; FRA (I)
NOVLO	451346N 0165711E	L196, L604	FRA (I)
NUPSO	440803N 0155108E	L862	LDSP STAR 05, STAR 23 FRA (A): LDSP FRA (I)
OBALA	445513N 0145821E	L615, P11	LDPL SID 09 LDPL SID 27 FRA (D): LDPL; FRA (I)
OBUTI	462242N 0161627E	L187, M19	LDZA SID 04/22 FRA (A): LOWW; FRA (D): LDZA; FRA (I) FRA (EX): 4500 FT AMSL - FL 205
OKLAX	435203N 0160234E	L862	LDSP STAR 05, STAR 23 FRA (I)
ORAKA	423213N 0171202E	M169, N138	STAR: LDDU RWY 11, LDDU RWY 29 LDSB STAR 03/21 LDSP SID 05/23 LDSP STAR 05 FRA (A): LDSB, LDDU FRA (AD): LDSP; FRA (I)
ORVAT	432948N 0171256E	Y128	FRA (I)
OSDUK	454714.91N 0180800.97E		LDOS STAR 11 FRA (E) - Odd FLs for all entering aircraft

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Oznaka kodnim imenom	Koordinate	ATS rute ili druge rute	Napomene
1	2	3	4
PALEZ	443430N 0153159E	L614, L862, Y137	SID: LDZD RWY 04/22, LDZD RWY 13/31 FRA (D): LDZD; FRA (I)
PEROT	452402N 0190046E	P735	LDOS SID 11/29 FRA (D): LDOS; FRA (I)
PETOV	461835N 0155834E	L604, M725	LDZA SID/STAR 04/22 FRA (A): LDZA, LJMB; FRA (D): LJMB; FRA (I) FRA (EX): 5500 FT AMSL - FL 205
PEVAL	451841N 0131451E		LDPL SID 09 LDPL SID 27 FRA (I) FRA (D): LDPL
PEVON	433331N 0170224E		FRA (I)
PIXAL	451318N 0163316E		FRA (I)
PODET	461017N 0153736E	L603	LDZA SID 04/22 FRA (D): LDZA; FRA (I) FRA (EX): 7500 FT AMSL - FL 205
RASIN	460525N 0164031E	M19, M986	LDZA SID 04 FRA (D): LDZA; FRA (I)
RASTU	445632N 0154436E	P11, Y137	FRA (I)
RAVNA	443149N 0145130E	L607	SID: LDZD RWY 04/22, LDZD RWY 13/31 FRA (D): LDZD; FRA (I)
REMPI	434412N 0164922E	L5	LDSP SID 05 LDSP SID 23 FRA (D): LDSP; FRA (I)
RIGVA	421614N 0181422E	Z748	SID: LDDU RWY 11
RILIM	423931N 0164856E	L862	LDSB STAR 03/21 LDSP SID 05, SID 23 LDSP STAR 05 LDSP STAR 23 FRA (A): LDSB; FRA (AD): LDSP; FRA (I)
ROLBA	455025N 0153918E		FRA (I)
ROTAR	451546N 0125944E	L615, M167, P11	LDPL STAR LDRI STAR 14 FRA (I) FRA (A): LDPL, LDRI FRA (D): LIPZ
RUDIK	445948N 0161818E	M725	LDZA STAR 04/22 FRA (A): LDZA; FRA (I)

Oznaka kodnim imenom	Koordinate	ATS rute ili druge rute	Napomene
1	2	3	4
RUGOG	451641N 0151845E	M986	LDRI SID 14 LDRI SID 32; LDRI STAR 14/32 FRA (AD): LDRI; FRA (I)
SABAD	452757N 0145203E	L862	FRA (A): LJLJ; FRA (I) FRA (EX): 7500 FT AMSL - FL 205
SIPAL	430812N 0170425E	L607	LDDU STAR 11, STAR 29 LDSB SID/STAR 03/21 LDSP SID 05, SID 23 LDSP STAR 05 LDSP STAR 23 FRA (A): LDDU FRA (AD): LDSB, LDSP; FRA (I)
SIRMI	440900N 0161813E	M725	LDSP SID 05 LDSP SID 23 FRA (D): LDSP; FRA (I)
SIVLA	450607N 0182254E	L863	FRA (I)
SOMIG	431014N 0160426E	M725, Z924	FRA (I)
SONIK	442654N 0160836E	L614	FRA (I)
TEBLI	451205N 0164033E	L187	LDZA SID/STAR 04/22 FRA (A): LDZA, LQBK; FRA (D): LDZA, LQBK; FRA (I)
TEPKO	414427N 0182541E	Z636	
TIBRI	422438N 0183315E	L187	FRA (I)
TIKSA	430103N 0171852E	L607, Y128	FRA (I)
TORPO	433351N 0142529E	M730	LDSP SID 05/23 LDSP STAR 05/23 FRA (I) FRA (A,D): LDSP
TUPUS	451315N 0155323E		FRA (I)
TUVAR	450736N 0190439E	M19, P11	LDOS SID 11/29 FRA (D): LDOS / LYBE; FRA (I)
ULPIN	444213N 0143914E	L607, M986	SID: LDLO RWY 02/20 STAR: LDLO RWY 02/20 IAP: LDLO RWY 02 FRA (AD): LDLO; FRA (I)
UMBEK	453240N 0132511E	M859	
UMSON	433109N 0154603E	M730	FRA (I)
UNIPA	440146N 0162858E	L196	LDSP SID 05 LDSP SID 23 FRA (D): LDSP; FRA (I)

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Oznaka kodnim imenom	Koordinate	ATS rute ili druge rute	Napomene
1	2	3	4
UVODI	430639N 0163231E	L611, L862	FRA (I) LDSB STAR
UZORE	451237N 0133856E	P28	
VAKSU	420051N 0183137E	L611	FRA (I)
VANAX	460228N 0154353E		FRA (I)
VAPUP	430321N 0151220E	L5	LDSP STAR 05 LDSP STAR 23 FRA (I) FRA (A): LDSP
VEBAL	455929N 0171748E	L196	LDZA STAR 04/22 FRA (EX) - Even FLs for all entering aircraft, Odd FLs for all exiting aircraft
VELIT	432106N 0171638E	M730	LDSP SID 05, SID 23 LDSP STAR 05 LDSP STAR 23 FRA (AD): LDSP, LQMO; FRA (I)
VELUG	425427N 0152615E	Z924	LDSP SID 05 LDSP SID 23 FRA (I) FRA (D): LDSP
VIBOP	445957N 0184339E	P10, P11	FRA (AD): LQTZ; FRA (I)
XAMIT	431842N 0144752E	N748	FRA (I)
XOLTA	424214N 0154454E		FRA (I)

OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA

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Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
PRIVREMENO REZERVIRANA PODRUČJA		
LDTR196 450812N 0151530E - 445404N 0152642E - 445317N 0152104E - 445313N 0151402E - 444813N 0151408E - 444817N 0152110E - 444542N 0152144E - 443944N 0151423E - 445227N 0145913E - 450812N 0151530E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. From GND up to 1000 FT AGL active only by NOTAM issued on D-1. Subject to approval by relevant ATC Unit on the day of operations. Real time activity information may be obtained from the relevant ATS unit. Penetration possible after prior permission from ATC.
LDTR197 444542N 0152144E - 443632N 0153231E - 443050N 0152537E - 443250N 0152231E - 443944N 0151423E - 444542N 0152144E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. From GND up to 1000 FT AGL active only by NOTAM issued on D-1. Subject to approval by relevant ATC Unit on the day of operations. Real time activity information may be obtained from the relevant ATS unit. Penetration possible after prior permission from ATC.
LDTR198 443632N 0153231E - 441711N 0155502E - 441503N 0154946E - 443050N 0152537E - 443632N 0153231E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. From GND up to 1000 FT AGL active only by NOTAM issued on D-1. Subject to approval by relevant ATC Unit on the day of operations. Real time activity information may be obtained from the relevant ATS unit. Penetration possible after prior permission from ATC.
LDTR199 433931N 0165510E - along the FIR BDRY Zagreb/Sarajevo - 432808N 0171650E - 432700N 0171312E - 432400N 0170336E - 433421N 0164538E - 433931N 0165510E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. From GND up to 1000 FT AGL active only by NOTAM issued on the day before operations (D-1). Subject to approval by relevant ATC Unit on the day of operations. Real time activity information may be obtained from the relevant ATS unit. Penetration possible after prior permission from ATC.
LDTR200 430436N 0160751E - 430438N 0161440E - 425937N 0161441E - 425936N 0160752E - 430436N 0160751E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. From GND up to 1000 FT AGL active only by NOTAM issued on D-1. Subject to approval by relevant ATC Unit on the day of operations. Real time activity information may be obtained from the relevant ATS unit. Penetration possible after prior permission from ATC.

ENR 5.2.7 PRIVREMENO REZERVIRANA PODRUČJA ZA PADOBRANSKE AKTIVNOSTI (CIV/MIL UPORABA)

Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
LDTR201 ZONA CAKOVEC A circle radius 1.5 NM centered on 462332N 0163001E (ARP LDVC)	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.
LDTR202 VARAZDIN A circle radius 2 NM centered on 461739N 0162301E (ARP LDVA)	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.
LDTR203 ZABOK A circle radius 1.5 NM centered on 460046N 0155136E (ARP LDZK)	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.
LDTR204 LUCKO A circle radius 1.5 NM centered on 454600N 0155055E (ARP LDZL)	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.
LDTR205 ZVEKOVAC A circle radius 2 NM centered on 454923N 0163000E (ARP LDZE)	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.

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Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
LDTR206 BJELOVAR A circle radius 2 NM centered on 455140N 0165009E (ARP LDZJ)	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.
LDTR207 SISAK A circle radius 2 NM centered on 452756N 0162911E	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.
LDTR208 CEPIN A circle radius 2 NM centered on 453234N 0183756E (ARP LDOC)	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.
LDTR209 BOROVO A circle radius 2 NM centered on 452311N 0185745E (ARP LDOB) excluding the part of airspace over the Republic of Serbia	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.
LDTR210 VINKOVCI A circle radius 2 NM centered on 451503N 0184532E (ARP LDOV)	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.
LDTR211 GROBNIK A circle radius 2 NM centered on 452246N 0143013E (ARP LDRG)	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.

Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
LDTR212 POREC NORTH 451417N 0133541E - 451410N 0133707E - 451303N 0133751E - 451347N 0133526E - 451417N 0133541E	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.
LDTR213 POREC CENTER 451347N 0133526E - 451303N 0133751E - 451150N 0133651E - 451220N 0133520E - 451347N 0133526E	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.
LDTR214 VRSAR A circle radius 2 NM centered on 450830N 0133750E (ARP LDPV)	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.
LDTR215 OTOCAC A circle radius 2 NM centered on 445049N 0151714E (ARP LDRO)	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.
LDTR216 LOSINJ A circle radius 2 NM centered on 443357N 0142335E (ARP LDLO)	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.
LDTR217 RTINA 441943N 0151826E - 441651N 0152219E - 441445N 0151919E - 441736N 0151526E - 441943N 0151826E	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.

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Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
LDTR218 SINJ A circle radius 3 NM centered on 434202N 0164017E (ARP LDSS)	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.
LDTR219 BRAC A circle radius 2 NM centered on 431709N 0164047E (ARP LDSB)	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.
LDTR220 HVAR A circle radius 2 NM centered on 431054N 0163800E (ARP LDSH)	FL140 / GND	AMC MANAGEABLE AREA Planned hours notified by National Airspace Use Plan (NUP) on D-1. For info about area reservation consult National Airspace Use Plan (NUP) published on https://amc.crocontrol.hr/. Subject to approval by relevant ATC Unit. For info about actual activity contact relevant ATC Unit.

ENR 5.2.8 PRIVREMENO IZDVOJENA PODRUČJA (CIV/MIL UPORABA)

Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
PRIVREMENO IZDVOJENA PODRUČJA		
LDTS101 462834N 0163348E - 462601N 0162624E - 462101N 0162625E - 462354N 0161817E - along the FIR BDRY Zagreb/Ljubljana - 462834N 0163348E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS102 462601N 0162624E - 462601N 0163338E - 462101N 0163338E - 462101N 0162625E - 462601N 0162624E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.

Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
PRIVREMENO IZDVOJENA PODRUČJA		
LDTS103 462834N 0163348E - along the FIR BDRY Zagreb/Budapest - 462133N 0165102E - 462233N 0163338E - 462601N 0163338E - 462601N 0162624E - 462834N 0163348E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS104 462233N 0163338E - 462133N 0165102E - along the FIR BDRY Zagreb/Budapest - 461803N 0165306E - 461556N 0163629E - 461551N 0163240E - 462102N 0163050E - 462101N 0163338E - 462233N 0163338E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS105 462101N 0162625E - 462102N 0163050E - 461551N 0163240E - 461236N 0162520E - 461509N 0162226E - 461509N 0162637E - 462009N 0162637E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS106 462009N 0161924E - 462009N 0162637E - 461509N 0162637E - 461509N 0161925E - 462009N 0161924E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS107 462354N 0161817E - 462101N 0162625E - 462009N 0162637E - 462009N 0161924E - 461727N 0161924E - 461657N 0161113E - 462245N 0161147E - along the FIR BDRY Zagreb/Ljubljana - 462354N 0161817E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS108 462245N 0161147E - 461657N 0161113E - 461708N 0155355E - along the FIR BDRY Zagreb/Ljubljana - 462245N 0161147E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.

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Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
PRIVREMENO IZDVOJENA PODRUČJA		
LDTS109 461803N 0165306E - along the FIR BDRY Zagreb/Budapest - 461449N 0165637E - 461031N 0164942E - 461556N 0163629E - 461803N 0165306E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS110 461556N 0163629E - 461031N 0164942E - 460118N 0163443E - 461551N 0163240E - 461556N 0163629E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS111 461551N 0163240E - 460118N 0163443E - 460711N 0162018E - 461009N 0161837E - 461236N 0162520E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS112 461657N 0161113E - 461727N 0161924E - 461509N 0161925E - 461509N 0162226E - 461236N 0162520E - 461009N 0161837E - 460951N 0161510E - 461657N 0161113E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS113 461708N 0155355E - 461657N 0161113E - 460951N 0161510E - 460955N 0154502E - 461333N 0155101E - 461708N 0155355E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS114 461449N 0165637E - along the FIR BDRY Zagreb/Budapest - 461019N 0170830E - 460205N 0165449E - 461031N 0164942E - 461449N 0165637E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS115 461031N 0164942E - 460205N 0165449E - 455449N 0165029E - 460118N 0163443E - 461031N 0164942E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.

Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
PRIVREMENO IZDVOJENA PODRUČJA		
LDTS116 461009N 0161837E - 460711N 0162018E - 460019N 0160709E - 460257N 0160504E - 460953N 0160803E - 460951N 0161510E - 461009N 0161837E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS117 460955N 0154502E - 460953N 0160803E - 460257N 0160504E - 460229N 0160002E - 460141N 0155511E - 460317N 0155510E - 460315N 0154856E - 460955N 0154502E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS118 460315N 0154759E - 460317N 0155510E - 455817N 0155513E - 455815N 0154803E - 460315N 0154759E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS119 461019N 0170830E - along the FIR BDRY Zagreb/Budapest - 455553N 0172323E - 455019N 0172148E - 460205N 0165449E - 461019N 0170830E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS120 460205N 0165449E - 455453N 0171124E - 455034N 0170608E - 455408N 0165344E - 455409N 0165005E - 460205N 0165449E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS121 460118N 0163443E - 455449N 0165029E - 455409N 0165005E - 455410N 0164635E - 455321N 0164634E - 455250N 0163810E - 455444N 0163052E - 460118N 0163443E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS122 460417N 0162726E - 460118N 0163443E - 455444N 0163052E - 460047N 0161944E - 460417N 0162726E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.

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Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
PRIVREMENO IZDVOJENA PODRUČJA		
LDTS123 460711N 0162018E - 460417N 0162726E - 460047N 0161944E - 460528N 0161700E - 460711N 0162018E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS124 460528N 0161700E - 460047N 0161944E - 455602N 0161007E - 460019N 0160709E - 460528N 0161700E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS125 460257N 0160504E - 460019N 0160709E - 455517N 0155745E - 460229N 0160002E - 460257N 0160504E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS126 460019N 0160709E - 455602N 0161007E - 455243N 0160204E - 455517N 0155745E - 460019N 0160709E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS127 460229N 0160002E - 455517N 0155745E - 455437N 0154954E - 455816N 0155220E - 455817N 0155513E - 460141N 0155511E - 460229N 0160002E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS128 455011N 0173958E - along the FIR BDRY Zagreb/Budapest - 454601N 0175154E - 453953N 0175225E - 454330N 0173924E - 455011N 0173958E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS129 455553N 0172323E - along the FIR BDRY Zagreb/Budapest - 455011N 0173958E - 454330N 0173924E - 455019N 0172148E - 455553N 0172323E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.

Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
PRIVREMENO IZDVOJENA PODRUČJA		
LDTS130 455453N 0171124E - 455019N 0172148E - 454540N 0172053E - 454642N 0171318E - 455034N 0170608E - 455453N 0171124E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS131 455408N 0165344E - 455034N 0170608E - 454806N 0170355E - 454908N 0165342E - 455408N 0165344E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS132 455410N 0164635E - 455408N 0165344E - 454908N 0165342E - 454910N 0164633E - 455410N 0164635E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS133 455321N 0164634E - 454910N 0164633E - 454909N 0165040E - 454140N 0164406E - 454444N 0163911E - 455250N 0163810E - 455321N 0164634E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS134 455444N 0163052E - 455250N 0163810E - 454444N 0163911E - 454653N 0163333E - 455153N 0163334E - 455444N 0163052E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS135 455153N 0162624E - 455153N 0163334E - 454653N 0163333E - 454653N 0162625E - 455153N 0162624E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS136 454330N 0173924E - 453953N 0175225E - 453054N 0175152E - 453530N 0173618E - 454330N 0173924E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.

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Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
PRIVREMENO IZDVOJENA PODRUČJA		
LDTS137 455019N 0172148E - 454330N 0173924E - 453530N 0173618E - 453843N 0171930E - 455019N 0172148E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS138 454642N 0171318E - 454540N 0172053E - 453843N 0171930E - 453735N 0171617E - 453738N 0170909E - 453936N 0170851E - 454149N 0170931E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS139 455034N 0170608E - 454642N 0171318E - 454149N 0170931E - 453936N 0170851E - 454211N 0170137E - 454806N 0170355E - 455034N 0170608E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS140 454909N 0165040E - 454908N 0165342E - 454806N 0170355E - 454211N 0170137E - 454648N 0164836E - 454909N 0165040E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS141 454648N 0164836E - 454018N 0170654E - 453432N 0170320E - 454140N 0164406E - 454648N 0164836E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS142 454653N 0163003E - 454653N 0163333E - 454444N 0163911E - 454140N 0164406E - 453418N 0163742E - 453553N 0163314E - 454112N 0162122E - 454653N 0163003E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS143 453530N 0173618E - 453054N 0175152E - 452054N 0175148E - 452457N 0173323E - 453530N 0173618E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.

Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
PRIVREMENO IZDVOJENA PODRUČJA		
LDTS144 453843N 0171930E - 453530N 0173618E - 452457N 0173323E - 452810N 0171629E - 453235N 0171613E - 453735N 0171617E - 453843N 0171930E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS145 453738N 0170909E - 453735N 0171617E - 453235N 0171613E - 453238N 0170906E - 453738N 0170909E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS146 453238N 0170906E - 453235N 0171613E - 452810N 0171629E - 452800N 0165918E - 453238N 0170906E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS147 454018N 0170654E - 453936N 0170851E - 453738N 0170909E - 453238N 0170906E - 452800N 0165918E - 454018N 0170654E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS148 454140N 0164406E - 453432N 0170320E - 452800N 0165918E - 453418N 0163742E - 454140N 0164406E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS149 454112N 0162122E - 453553N 0163314E - 452527N 0161701E - 452430N 0161530E - 453133N 0160549E - 454112N 0162122E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS150 452457N 0173323E - 452054N 0175148E - 451029N 0175144E - 451409N 0173147E - 452457N 0173323E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.

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Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
PRIVREMENO IZDVOJENA PODRUČJA		
LDTS151 452810N 0171629E - 452457N 0173323E - 451409N 0173147E - 451741N 0171216E - 452810N 0171629E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS152 452800N 0165918E - 452810N 0171629E - 451741N 0171216E - 452026N 0165843E - 452800N 0165918E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS153 453418N 0163742E - 452800N 0165918E - 452026N 0165843E - 452206N 0163436E - 453418N 0163742E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS154 453553N 0163314E - 453418N 0163742E - 452206N 0163436E - 452527N 0161701E - 453553N 0163314E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS155 453133N 0160549E - 452430N 0161530E - 451857N 0160642E - 452835N 0160105E - 453133N 0160549E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS156 452835N 0160105E - 451857N 0160642E - 451740N 0160439E - 451548N 0160315E - 451901N 0154049E - 452522N 0155607E - 452835N 0160105E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS157 453108N 0154527E - 452522N 0155607E - 451901N 0154049E - 452004N 0153556E - 453108N 0154527E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS158 453648N 0153549E - 453108N 0154527E - 452004N 0153556E - 452344N 0152558E - 453648N 0153549E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.

Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
PRIVREMENO IZDVOJENA PODRUČJA		
LDTS159 453814N 0152323E - 453648N 0153549E - 453034N 0153107E - 453141N 0151849E along the FIR BDRY Zagreb/Ljubljana - 453814N 0152323E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS160 453141N 0151849E - 453034N 0153107E - 452344N 0152558E - 452710N 0151943E along the FIR BDRY Zagreb/Ljubljana - 453141N 0151849E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS161 451154N 0175545E - 451148N 0180249E - 450824N 0180243E - along the FIR BDRY Zagreb/Sarajevo - 450652N 0175754E - 450654N 0175537E - 451154N 0175545E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS162 451256N 0175144E - 451154N 0175545E - 450654N 0175537E - 450652N 0175754E - along the FIR BDRY Zagreb/Sarajevo - 450240N 0175142E - 451256N 0175144E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS163 451741N 0171216E - 451029N 0175144E - 450240N 0175142E - along the FIR BDRY Zagreb/Sarajevo - 450907N 0170949E - 451741N 0171216E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS164 452053N 0165227E - 452026N 0165843E - 451741N 0171216E - 450907N 0170949E - along the FIR BDRY Zagreb/Sarajevo - 451111N 0164948E - 452053N 0165227E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS165 452206N 0163436E - 452053N 0165227E - along the FIR BDRY Zagreb/Sarajevo - 451334N 0163139E - 452206N 0163436E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.

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Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
PRIVREMENO IZDVOJENA PODRUČJA		
LDTS166 452527N 0161701E - 452206N 0163436E - 451645N 0163245E - 451702N 0162533E - 451740N 0160439E - 452527N 0161701E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS167 451702N 0162533E - 451645N 0163245E - 451334N 0163139E - along the FIR BDRY Zagreb/Sarajevo - 450024N 0161707E - 450749N 0161557E - 451702N 0162533E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS168 451740N 0160439E - 451702N 0162533E - 450749N 0161557E - 451740N 0160439E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS169 451740N 0160439E - 450749N 0161557E - 450024N 0161707E - along the FIR BDRY Zagreb/Sarajevo - 451254N 0160103E - 451740N 0160439E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS170 451901N 0154049E - 451548N 0160315E - 451254N 0160103E - along the FIR BDRY Zagreb/Sarajevo - 451144N 0154750E - 451349N 0154012E - 451901N 0154049E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS171 452004N 0153556E - 451901N 0154049E - 451349N 0154012E - 451557N 0152651E - 452004N 0153556E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS172 452344N 0152558E - 452004N 0153556E - 451557N 0152651E - 451931N 0152134E - 452344N 0152558E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.

Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
PRIVREMENO IZDVOJENA PODRUČJA		
LDTS173 452710N 0151943E - 452344N 0152558E - 451931N 0152134E - 452533N 0151308E - along the FIR BDRY Zagreb/Ljubljana - 452710N 0151943E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS174 452512N 0142635E - 452520N 0143341E - 452020N 0143351E - 452012N 0142646E - 452512N 0142635E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS175 451055N 0133410E - 451105N 0134114E - 450606N 0134129E - 450555N 0133426E - 451055N 0133410E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS176 445313N 0151402E - 445317N 0152104E - 444817N 0152110E - 444813N 0151408E - 445313N 0151402E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS177 443623N 0142000E - 443631N 0142700E - 443131N 0142710E - 443123N 0142011E - 443623N 0142000E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS178 445632N 0154436E - along the FIR BDRY Zagreb/Sarajevo - 442654N 0160836E - 441612N 0155610E - 444542N 0152144E - 444817N 0152110E - 445317N 0152104E - 445632N 0154436E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS179 442654N 0160836E - along the FIR BDRY Zagreb/Sarajevo - 440146N 0162857E - 435451N 0161912E - 440916N 0160409E - 441612N 0155610E - 442654N 0160836E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.

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Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
PRIVREMENO IZDVOJENA PODRUČJA		
LDTS180 440146N 0162857E - along the FIR BDRY Zagreb/Sarajevo - 433931N 0165510E - 433421N 0164538E - 434938N 0161841E - 435451N 0161912E - 440146N 0162857E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS181 434432N 0163650E - 434431N 0164344E - 433931N 0164343E - 433932N 0163650E - 434432N 0163650E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS182 431939N 0163722E - 431938N 0164413E - 431438N 0164412E - 431439N 0163721E - 431939N 0163722E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS183 431324N 0163435E - 431323N 0164126E - 430823N 0164125E - 430824N 0163435E - 431324N 0163435E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS184 461708N 0155355E - 461333N 0155101E - 460955N 0154502E - 461019N 0153701E - along the FIR BDRY Zagreb/Ljubljana - 461708N 0155355E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS185 461019N 0153701E - 460955N 0154502E - 460315N 0154856E - 460315N 0154759E - 460259N 0154330E - along the FIR BDRY Zagreb/Ljubljana - 461019N 0153701E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS186 460315N 0154759E - 455815N 0154803E - 455700N 0154236E - along the FIR BDRY Zagreb/Ljubljana - 460259N 0154330E - 460315N 0154759E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.

Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
PRIVREMENO IZDVOJENA PODRUČJA		
LDTS187 455816N 0155220E - 455244N 0154839E - along the CTR Lučko BDRY - 454924N 0154424E - 455032N 0154043N - along the FIR BDRY Zagreb/Ljubljana - 455700N 0154236E - 455815N 0154803E - 455816N 0155220E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS188 455659N 0155447E - 455358N 0155653E - 454529N 0155632E - 454600N 0155055E - 455149N 0154802E - 455659N 0155447E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS189 460229N 0160002E - 455759N 0160607E - 454529N 0155632E - 454600N 0155055E - 455149N 0154802E - 460134N 0155432E - 460229N 0160002E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS190 455032N 0154043E - 454924N 0154424E - along the CTR Lučko BDRY - 454544N 0154248E - 454748N 0152821N - along the FIR BDRY Zagreb/Ljubljana - 455032N 0154043E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS191 454707N 0153314E - 454624N 0153807E - 453704N 0153329E - 453814N 0152323E - along the FIR BDRY Zagreb/Ljubljana - 453856N 0152427E - 454707N 0153314E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS192 454748N 0152821E - 454707N 0153314E - 453856N 0152427E - along the FIR BDRY Zagreb/Ljubljana - 454748N 0152821E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.

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Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
PRIVREMENO IZDVOJENA PODRUČJA		
LDTS193 451616N 0181817E - 451525N 0182421E - 450629N 0182332E - along the FIR BDRY Zagreb/Sarajevo - 450824N 0180243E - 451039N 0180247E - 451616N 0181817E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS194 451349N 0154012E - 451144N 0154750E - along the FIR BDRY Zagreb/Sarajevo - 445632N 0154436E - 445602N 0154054E - 445937N 0153901E - 451349N 0154012E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS195 451557N 0152651E - 451349N 0154012E - 445937N 0153901E - 445602N 0154054E - 445404N 0152642E - 450812N 0151530E - 451557N 0152651E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS196 450812N 0151530E - 445404N 0152642E - 445317N 0152104E - 445313N 0151402E - 444813N 0151408E - 444817N 0152110E - 444542N 0152144E - 443944N 0151423E - 445227N 0145913E - 450812N 0151530E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS197 444542N 0152144E - 443632N 0153231E - 443050N 0152537E - 443250N 0152231E - 443944N 0151423E - 444542N 0152144E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.
LDTS198 443632N 0153231E - 441711N 0155502E - 441503N 0154946E - 443050N 0152537E - 443632N 0153231E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.

Oznaka, naziv i bočne granice	Gornja granica / Donja granica	Primjedbe (vrijeme aktivnosti, tip restrikcije, priroda opasnosti, rizik presretanja)
1	2	3
PRIVREMENO IZDVOJENA PODRUČJA		
LDTS199 433931N 0165510E - along the FIR BDRY Zagreb/Sarajevo - 432808N 0171650E - 432700N 0171312E - 432400N 0170336E - 433421N 0164538E - 433931N 0165510E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on the day before operations (D-1). Real time activity information may be obtained from the relevant ATS unit.
LDTS200 430436N 0160751E - 430438N 0161440E - 425937N 0161441E - 425936N 0160752E - 430436N 0160751E.	9500 FT ALT / GND	AMC MANAGEABLE AREA Planned hours notified by national AUP/UUP. Active only by NOTAM issued on D-1. Real time activity information may be obtained from the relevant ATS unit.

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ENR 5.5 ZRAČNE SPORTSKE I REKREACIJSKE AKTIVNOSTI

ENR 5.5.1 ZONE AKTIVNOSTI PARAJEDRILICA I OVJESNIH JEDRILICA

Grafički prikaz područja je dan na karti ENR 6.7 Aerial sporting and recreational activites - Index Chart

ENR 5.5.1.1 Sjeverozapadna Hrvatska

Oznaka / Ime i lateralne granice	Vertikalne granice	TEL NR Operatora/korisnika	Napomene i vrijeme ACT
1	2	3	4
LDA10 / IVANCICA A circle radius 2.5 NM centered on 461055N 0160737E	1000 FT AGL / GND	User: Klub padobranskog jedrenja "Let"	ACT HJ Above 1000 FT AGL: upon NOTAM
LDA20 / JAPETIC A circle radius 2.5 NM centered on 454428N 0153613E	1000 FT AGL / GND	User: Zrakoplovni klub "Parafreek"	ACT HJ Above 1000 FT AGL: upon NOTAM
LDA30 / KALNIK A circle radius 2.5 NM centered on 460753N 0162720E*	1000 FT AGL / GND	User: Paragliding klub "Feniks"	ACT HJ Above 1000 FT AGL: upon NOTAM
LDA35 / MEDVEDNICA A circle radius 2.5 NM centered on 455633N 0155226E, excluding CTR Lučko.	1000 FT AGL / GND	Operator/User: Parajedrilicarski klub "Zagreb"	ACT HJ Above 1000 FT AGL: upon NOTAM
LDA40 / PLESIVICA A circle radius 2.5 NM centered on 454415N 0154007E, excluding CTR Lučko.	1000 FT AGL / GND	User: Klub slobodnog letenja "SD Sutinska Vrela"	ACT HJ Above 1000 FT AGL: upon NOTAM
LDA51 / RAVNA GORA A circle radius 2.5 NM centered on 461615N 0155903E, excluding the part of the airspace over the Republic of Slovenia.	1000 FT AGL / GND	User: Klub padobranskog jedrenja "Let"	ACT HJ Above 1000 FT AGL: upon NOTAM
LDA55 / STRAHINJCICA A circle radius 2.5 NM centered on 461107N 0155346E	1000 FT AGL / GND	User: Klub padobranskog jedrenja "Jastreb"	ACT HJ Above 1000 FT AGL: upon NOTAM

ENR 5.5.1.2 Gorski Kotar i Lika

Oznaka / Ime i lateralne granice	Vertikalne granice	TEL NR Operatora/korisnika	Napomene i vrijeme ACT
1	2	3	4
LDA60 / LIC (NEAR FUZINE) A circle radius 3 NM centered on 451643N 0144617E	1000 FT AGL / GND	User: Drustvo za ekstremne sportove "Adrenalin"	ACT HJ Above 1000 FT AGL: upon NOTAM
LDA65 / TRIBALJ 451533N 0143935E 450846N 0144640E 450950N 0144825E 451626N 0144118E 451533N 0143935E	1000 FT AGL / GND	User: Parajedrilicarski klub 'FLUMEN'.	ACT HJ Above 1000 FT AGL: upon NOTAM

ENR 5.5.1.3 Istra

Oznaka / Ime i lateralne granice	Vertikalne granice	TEL NR Operatora/korisnika	Napomene i vrijeme ACT
1	2	3	4
LDA70 / UCKA A circle radius 2.5 NM centered on 451445N 0141154E	1000 FT AGL / GND	User: Javna ustanova "Park prirode Ucka" and Klub za slobodno letenje "Homo volans"	ACT HJ Above 1000 FT AGL: upon NOTAM

ENR 5.5.1.4 Dalmacija

Oznaka / Ime i lateralne granice	Vertikalne granice	TEL NR Operatora/korisnika	Napomene i vrijeme ACT
1	2	3	4
LDA90 / GREDA (SINJ) A circle radius 2.5 NM centered on 434947N 0163833E	1000 FT AGL / GND	User: Klub padobranskog jedrenja "Apco"	ACT HJ Above 1000 FT AGL: upon NOTAM
LDA100 / BIOKOVO (MAKARSKA) A circle radius 2.5 NM centered on 431850N 0165947E	1000 FT AGL / GND	User: Klub padobranskog jedrenja "Edel"	ACT HJ Above 1000 FT AGL: upon NOTAM
LDA105 / OMIS A circle radius 2 NM centered on 432612N 0164233E	1000 FT AGL / GND	Operator/User: Klub slobodnog letenja "Pegaz"	ACT HJ Above 1000 FT AGL: upon NOTAM
LDA95 / HUM A circle radius 2.5 NM centered on 430205N 0160653E	1000 FT AGL / GND	User: Klub padobranskog jedrenja "Kaleb"	ACT HJ Above 1000 FT AGL: upon NOTAM
LDA98 / SVILAJA A circle radius 2.5 NM centered on 434725N 0162949E	1000 FT AGL / GND	User: Klub slobodnog letenja "Pegaz"	ACT HJ Above 1000 FT AGL: upon NOTAM

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ENR 5.5.1.5 Slavonija

Oznaka / Ime i lateralne granice	Vertikalne granice	TEL NR Operatora/korisnika	Napomene i vrijeme ACT
1	2	3	4
LDA110 / PLIS (KOD VELIKE) A circle radius 2 NM centered on 452820N 0173857E	1000 FT AGL / GND	User: Letacki klub "Bumbar"	ACT HJ Above 1000 FT AGL: upon NOTAM

ENR 5.5.2 ZONE AKTIVNOSTI JEDRILICA

Slavonija

Oznaka / Ime i lateralne granice	Vertikalne granice	TEL NR Operatora/korisnika	Napomene i vrijeme ACT
1	2	3	4
LDAGC / JEDRILICARSKA ZONA CEPIN A circle radius 4 NM centered on 453228N 0183836E	8000 FT ALT / GND	Aeroklub Osijek Phone: +385 31 208262	ACT: SAT-SUN 09:00-SS (08:00-SS) only outside operating hours of Osijek TWR/APP. Subject to approval by Zagreb ACC. For info about actual activity contact Zagreb ACC. During actual glider activity area will be temporarily exempted from controlled airspace. A continuous two-way air-ground voice communication required. Prior reservation through AMC portal required.
LDAGB / JEDRILICARSKA ZONA BARANJA 453539N 0184426E BILJE 453618N 0183835E VISNJEVAC NORTH 454125N 0182456E BELISCE 454332N 0182515E NOVO NEVESINJE 455238N 0184933E DRAZ 453455N 0185250E KOPACKI RIT 453539N 0184426E BILJE	8000 FT ALT / GND	Aeroklub Osijek Phone: +385 31 208262	ACT: SAT-SUN 09:00-SS (08:00-SS) only outside operating hours of Osijek TWR/APP. Subject to approval by Zagreb ACC. For info about actual activity contact Zagreb ACC. During actual glider activity area will be temporarily exempted from controlled airspace. A continuous two-way air-ground voice communication required. Prior reservation through AMC portal required.

Oznaka / Ime i lateralne granice	Vertikalne granice	TEL NR Operatora/korisnika	Napomene i vrijeme ACT
1	2	3	4
LDAGP / JEDRILICARSKA ZONA PODRAVLJE 454332N 0182515E NOVO NEVESINJE 454125N 0182456E BELISCE 454145N 0175627E CRNAC 454548N 0175809E KRCENIK 454332N 0182515E NOVO NEVESINJE	8000 FT ALT / GND	Aeroklub Osijek Phone: +385 31 208262	ACT: SAT-SUN 09:00-SS (08:00-SS) only outside operating hours of Osijek TWR/APP. Subject to approval by Zagreb ACC. For info about actual activity contact Zagreb ACC. During actual glider activity area will be temporarily exempted from controlled airspace. A continuous two-way air-ground voice communication required. Prior reservation through AMC portal required.

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ENR 6 RUTNE KARTE

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Enroute chart - ICAO - FIR Zagreb Upper airspace	ENR 6.2 - 1
ATS airspace - Depiction and classification - Index Chart	ENR 6.3 - 1
ATS airspace - Other regulated airspace - Radio Mandatory Zones - Index Chart	ENR 6.3 - 3
Prohibited, Restricted and Danger Areas - Index Chart	ENR 6.4 - 1
Military Exercise and Training Areas, TRA and TSA - Index Chart	ENR 6.5 - 1
FBZ - Military Exercise and Training Areas, TRA and TSA - Index Chart	ENR 6.5 - 3
Other activities of a dangerous nature - Index Chart	ENR 6.6 - 1 (NOT AVBL)
Aerial sporting and recreational activities - Index Chart	ENR 6.7 - 1
Parachute activity zones - TRA (CIV/MIL use) - Index Chart	ENR 6.7 - 3
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Bird concentration and areas with sensitive fauna - Index Chart	ENR 6.10 - 1 (NOT AVBL)
Free Route Airspace - Index Chart SECSI FRA	ENR 6.11 - 1
Flexible Structures - Index Chart	ENR 6.12 - 1
UAS Geographical Zones in CTRs - Index Chart	ENR 6.14 - 1
UAS Geographical Zones in uncontrolled airspace and uncontrolled aerodromes - Index Chart	ENR 6.15 - 1

OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA

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ENROUTE CHART-ICAO
CROATIA
FIR ZAGREB
LOWER AIRSPACE
BELOW FL 285

Upper level for routes FL 205 unless specified differently

Above FL 205 SECSI FRA
(Ref. ENR 6.11-1 SECSI FRA-Index chart)

Effective date: 15 MAY 2025

CHANGE: TMAs: ZAGREB, PULA, ZADAR, SPLIT and DUBROVNIK Airspace classification changed; Note for RMZ RIJEKA; Routes Y560 and Z34 withdrawn; Segments of routes: L611 (UVODI-UMSON), N748 (DEPET- DIGOT) and Z924 (PEVON-SOMIG) withdrawn; Segment of route M986 (KULEN-EVINI-ULPIN) changed, EVINI withdrawn; Segment route P28 changed, reporting point UZORE replaced VRS NDB; VRS NDB withdrawn; LAPOV withdrawn; Segment of routes: L614, M178, N606 and P11 changed to CDR routes; Editorial.

LEGEND

- Airport
- Joint civil and military airport
- Airfield
- Abandoned or closed aerodrome
- Closed water aerodrome
- Heliport
- Flight information region (FIR)
- Line of Responsibility (LoR)
- Boundaries (international)
- Terminal control area (TMA) airspace class C,D
  - Name of TMA
  - Airspace classification
  - Vertical limit
  - Frequency
  - Example: TMA ZADAR, D, 10000FT MSL / 1000FT AGL, Radar 128.525
- Control zone (CTR)
  - Name of CTR
  - Airspace classification
  - Vertical limit
  - Example: CTR RIJEKA "D" 4000ft MSL; RMZ RIJEKA II ATS is not available "G" 1000ft AGL/GND
- Aerodrome traffic zone (ATZ)
- RNAV route
  - Magnetic track (VAR 2019–only FIR Zagreb)
  - Route designator
  - Route orientation
  - Distance in NM
  - Upper limit
  - Lower limit/MOCA
  - Example: P28, 145° / 325°, 22.2 NM, FL 135 / 5000
- Conditional route (CDR)
  - Example: M986, 033° / 214°, 26.8 NM, 5000
- Note: Upper limit for routes FL205 unless specified differently
- Reporting point
  - Compulsory: ROTAR 45 15 46N 012 59 44E
  - On request: DABAR 44 55 56N 015 16 13E
- Prohibited, Restricted and Danger area
  - Active only as notified by NOTAM except Permanently active: LDP1; LDR49; LDD22;
  - Identification of area
  - Nationality letter
  - P=Prohibited
  - R=Restricted
  - D=Danger
  - Upper limit / Lower limit
  - Example: LDR25, 1350ft MSL / GND
- Danger area over high seas
  - Example: LI/LD D35/A - CRIT, FL 125 / 5000ft AMSL
- Temporary reserved and segregated area
  - From GND to 1000FT AGL active only as notified by NOTAM.
  - Identification of area
  - Nationality letter
  - TR=Temporary reserved
  - TS=Temporary segregated
  - Upper limit / Lower limit
  - Example: LDTR22 / LDTS22, 36100ft MSL / GND
- NOTE: For all Danger areas, TRAs and TSAs see AIP: ENR 5.1; 5.2
- Low level military flight corridors and training areas — Example: L-2
- VOR — Compass rose oriented on the chart to Magnetic North
- Non–directional radio beacon (NDB)
- Collocated VOR and DME radio navigation aids (VOR/DME); DME
- Area minimum altitude (AMA) AMA valid for Zagreb FIR only — Example: 2 4 (2400ft)
- Isogonic line — Example: 4°30' E (2019)

NOTE:
FOR AERODROME OPENINGS
CONSULT RELEVANT PUBLICATIONS!

NOTE:
FOR AERONAUTICAL DATA
OUTSIDE THE AIRSPACE OF ZAGREB FIR
CONSULT RELEVANT PUBLICATIONS.

VOR/DME

BARNA	VBA	CH 121X	117.400MHz
DUBROVNIK	DBK	CH 101X	115.400MHz
LOSINJ	NTL	CH 120Y	117.350MHz
PULA	PUL	CH 49Y	111.250MHz
RIJEKA	RJK	CH 125X	117.800MHz
SPLIT	SPL	CH 104X	115.700MHz
ZADAR	ZDA	CH 23X	108.600MHz
ZAGREB	ZAG	CH 84X	113.700MHz

DME

BRAC	BRC	CH 101Y
JAPETIC	JAP	CH 123Y
LOSINJ	LSJ	CH 21Y
LUKAVEC	LUK	CH 35Y
OSIJEK	KLS	CH 29Y
PETROVA GORA	PTG	CH 17Y
SPLIT	IST	CH 42X

NDB

CRES	CRE	433KHz
LOSINJ	LOS	429KHz
PISAROVINA	PIS	424KHz
SALI	SAL	421KHz
TOUNJ	TNJ	316KHz

L

CEPIN	CE	372KHz

① Temporary border of the territorial sea according to the 2002 Protocol.

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CLASS OF AIRSPACE OUTSIDE OTHER REGULATED AIRSPACE:

CTA CLASSIFICATION
C above FL125

UNCONTROLLED AIRSPACE
G 1000FT AGL / GND

BEARINGS AND TRACKS ARE MAGNETIC
ALTITUDES AND ELEVATIONS IN FT
DISTANCES IN NM

SCALE 1 : 1 000 000

10 5 0 10 30 50 km
10 5 0 10 20 NM

TM PROJECTION

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INDEX CHART

ATS AIRSPACE

DEPICTION AND CLASSIFICATION

CHANGE: TMAs: ZAGREB, PULA, ZADAR, SPLIT and DUBROVNIK Airspace classification vertical limit; Heliports LDRD and LDSF added; Editorial.

LEGEND

- Airport
- Joint civil and military airport
- Airfield
- Abandoned or closed aerodrome
- Heliport
- Flight information region (FIR)
- Line of Responsibility (LoR)
- Terminal control area (TMA) airspace class C,D
  - Name of TMA
  - Airspace classification
  - Vertical limit
  - Frequency
  - Example: TMA ZADAR, D, 10000FT MSL / 1000FT AGL, Radar 128.525
- Control zone (CTR)
  - Name of CTR
  - Airspace classification
  - Vertical limit
  - TWR Frequency
  - Example: CTR RIJEKA "D" 4000ft MSL, TWR FREQ: 119.000MHz, RMZ RIJEKA if ATS is not available, "G" 1000ft AGL/GND
- Aerodrome traffic zone (ATZ)
  - Example: ATZ OSIJEK, G, 1000FT AGL, GND
- Boundaries (international)
  - ① Temporary border of the territorial sea according to the 2002 Protocol.

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ZAGREB FIR / UIR

Upper limit: UNL
Lower limit: GND

CONTROL AREA (CTA) ZAGREB

CTA ZAGREB covers the airspace within the following limits:

Lateral: FIR Zagreb (See remarks in ENR 2.1.2 and see ENR 2.2)

Vertical limit: Upper limit: FL 660
Lower limit: FL 125

(Outside TMAs)

CLASS OF AIRSPACE OUTSIDE OTHER REGULATED AIRSPACE:

C above FL125

UNCONTROLLED AIRSPACE

Lateral: FIR Zagreb

Vertical: G 1000FT AGL GND — Unclassified UNL FL 660

Class of airspace G (with exemption of CTRs)

Note: See AIP: ENR 2.1; ENR 2.2; AD 2.17

SCALE 1 : 1 900 000

30 20 10 0 20 40 60 80 100 KM

10 5 0 10 20 30 40 50 NM

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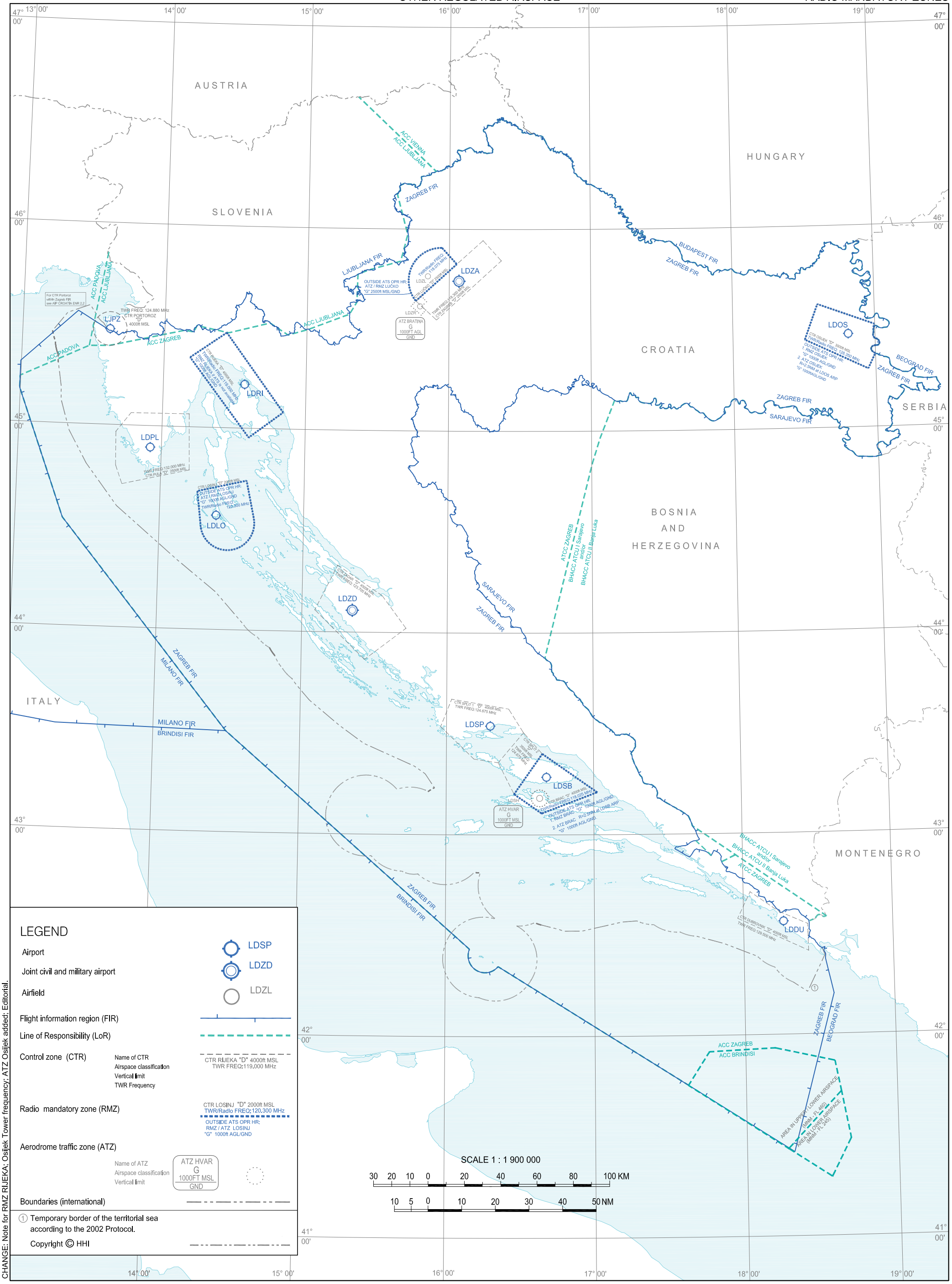
INDEX CHART

ATS AIRSPACE
OTHER REGULATED AIRSPACE

RADIO MANDATORY ZONES



LEGEND

- Airport — LDSP
- Joint civil and military airport — LDZD
- Airfield — LDZL
- Flight information region (FIR)
- Line of Responsibility (LoR)
- Control zone (CTR) — Name of CTR, Airspace classification, Vertical limit, TWR Frequency — CTR RIJEKA "D" 4000ft MSL, TWR FREQ:119.000 MHz
- Radio mandatory zone (RMZ) — CTR LOSINJ "D" 2000ft MSL, TWR/Radio FREQ:120.300 MHz, OUTSIDE ATS OPR HR: RMZ / ATZ LOSINJ "G" 1000ft AGL/GND
- Aerodrome traffic zone (ATZ) — Name of ATZ, Airspace classification, Vertical limit — ATZ HVAR, G, 1000FT MSL, GND
- Boundaries (international)
- ① Temporary border of the territorial sea according to the 2002 Protocol.

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CHANGE: Note for RMZ RIJEKA; Osijek Tower frequency; ATZ Osijek added; Editorial.

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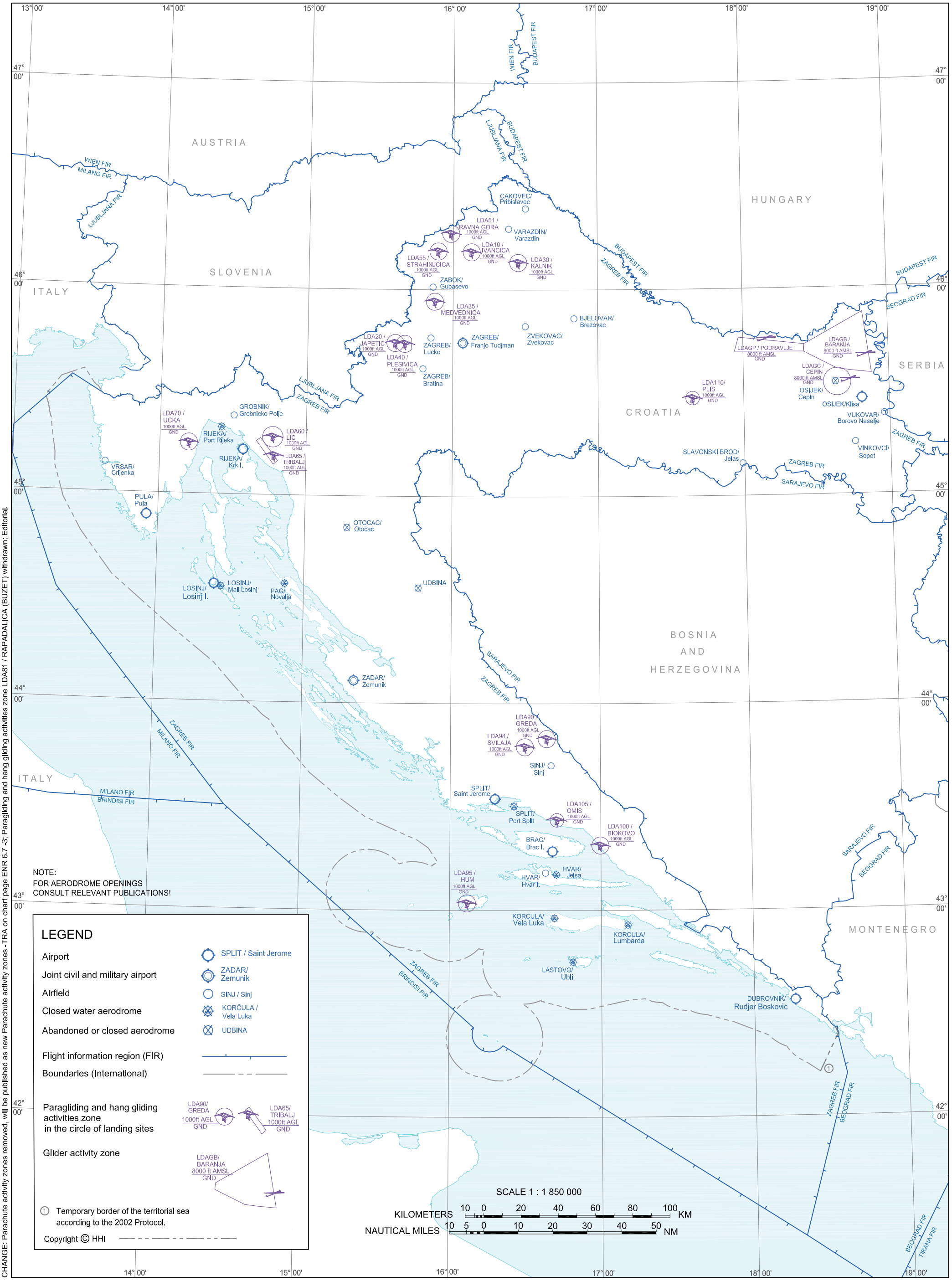
AERIAL SPORTING AND RECREATIONAL ACTIVITIES - INDEX CHART



CHANGE: Parachute activity zones removed, will be published as new Parachute activity zones -TRA on chart page ENR 6.7 -3; Paragliding and hang gliding activities zone LDA81 / RAPADALICA (BUZET) withdrawn; Editorial.

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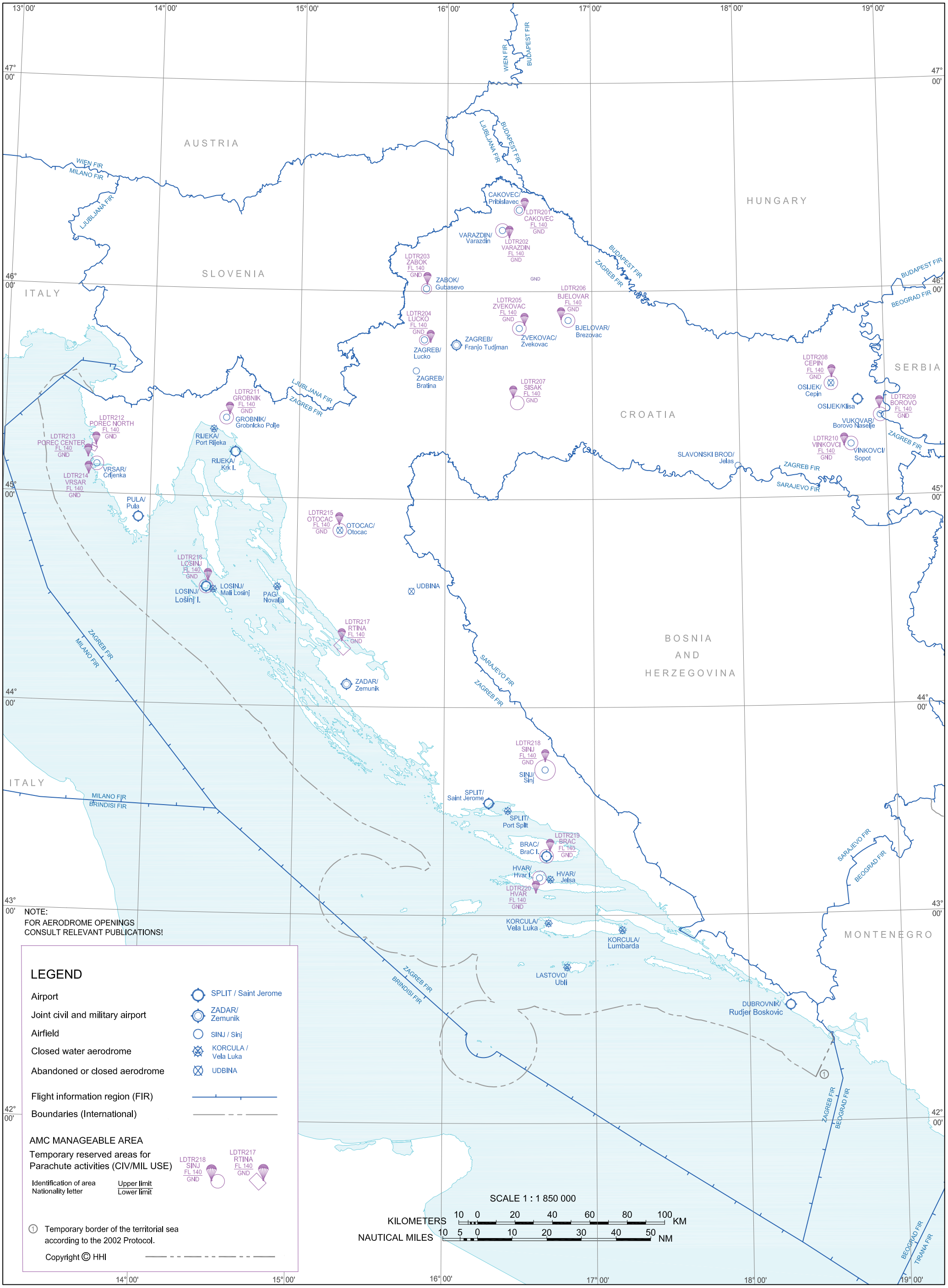
PARACHUTE ACTIVITY ZONES - TRA (CIV/MIL USE) - INDEX CHART



CHANGE: New chart

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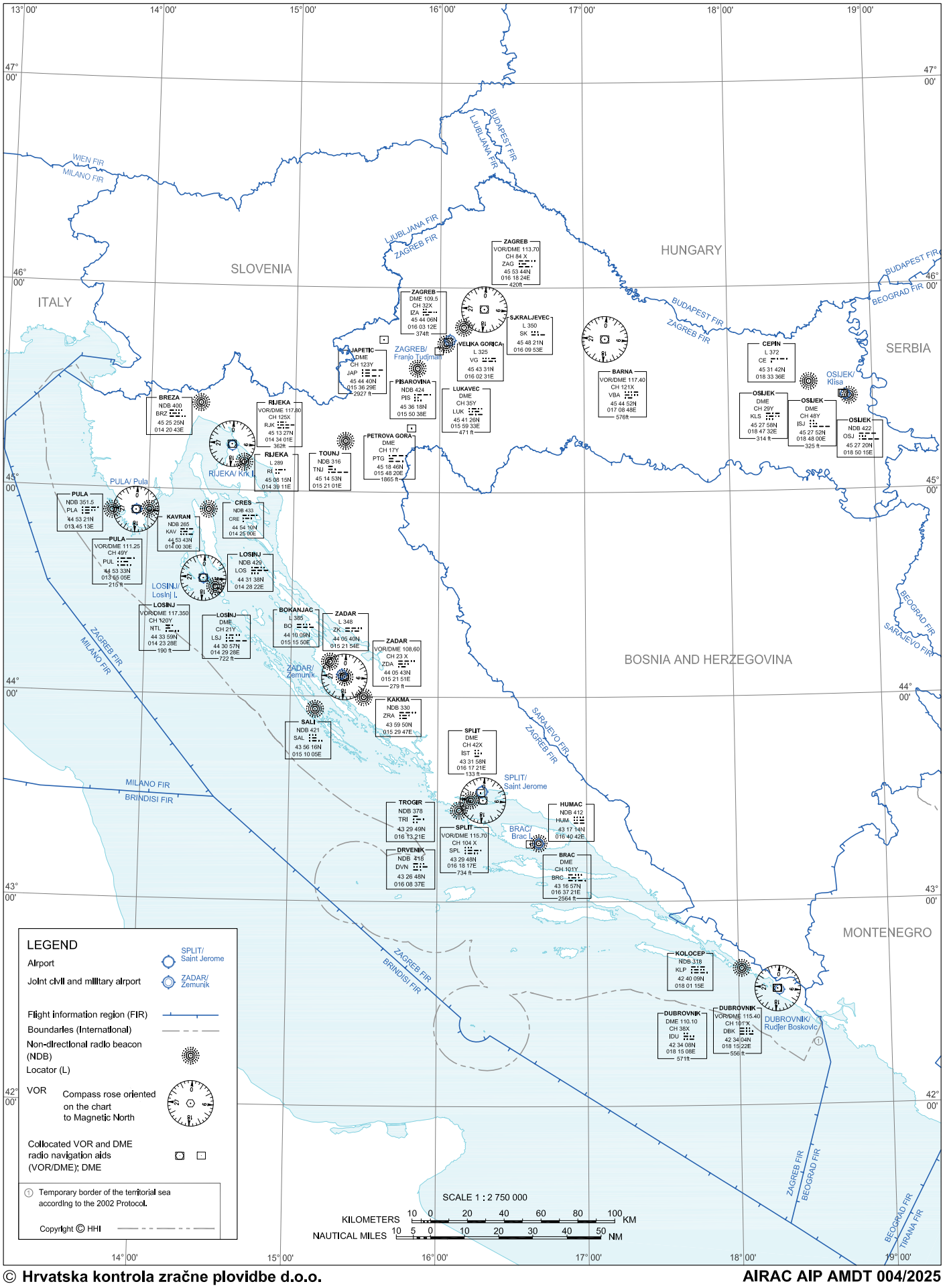
RADIO FACILITY - INDEX CHART



CHANGE: VRS NDB, CV L and GR L withdrawn; Editorial.

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FREE ROUTE AIRSPACE
ZAGREB FIR

FL 660
FL 205

SECSI FRA

Effective date: 15 MAY 2025

FOR AERONAUTICAL DATA
OUTSIDE THE AIRSPACE OF ZAGREB FIR
CONSULT RELEVANT PUBLICATIONS.

LEGEND

FRA boundary	
FIR boundaray	
Boundaries (international)	
Cross border FRA operations	
FRA relevance	E - entry X - exit A - arrival D - departure I - intermediate
Reporting point	△ on - request ▲ compulsory
Compulsory reporting point KOPRY to entry/exit FRA	▲ KOPRY (EX)
VOR/DME	ZAG VOR/DME (DI)
Non-directional radio beacon (NDB)	CRE NDB (ADI)
Upper State Boundary	USB
Airport	LDSP
Joint civil and military airport	LDZD

① Temporary border of the territorial sea according to the 2002 Protocol.

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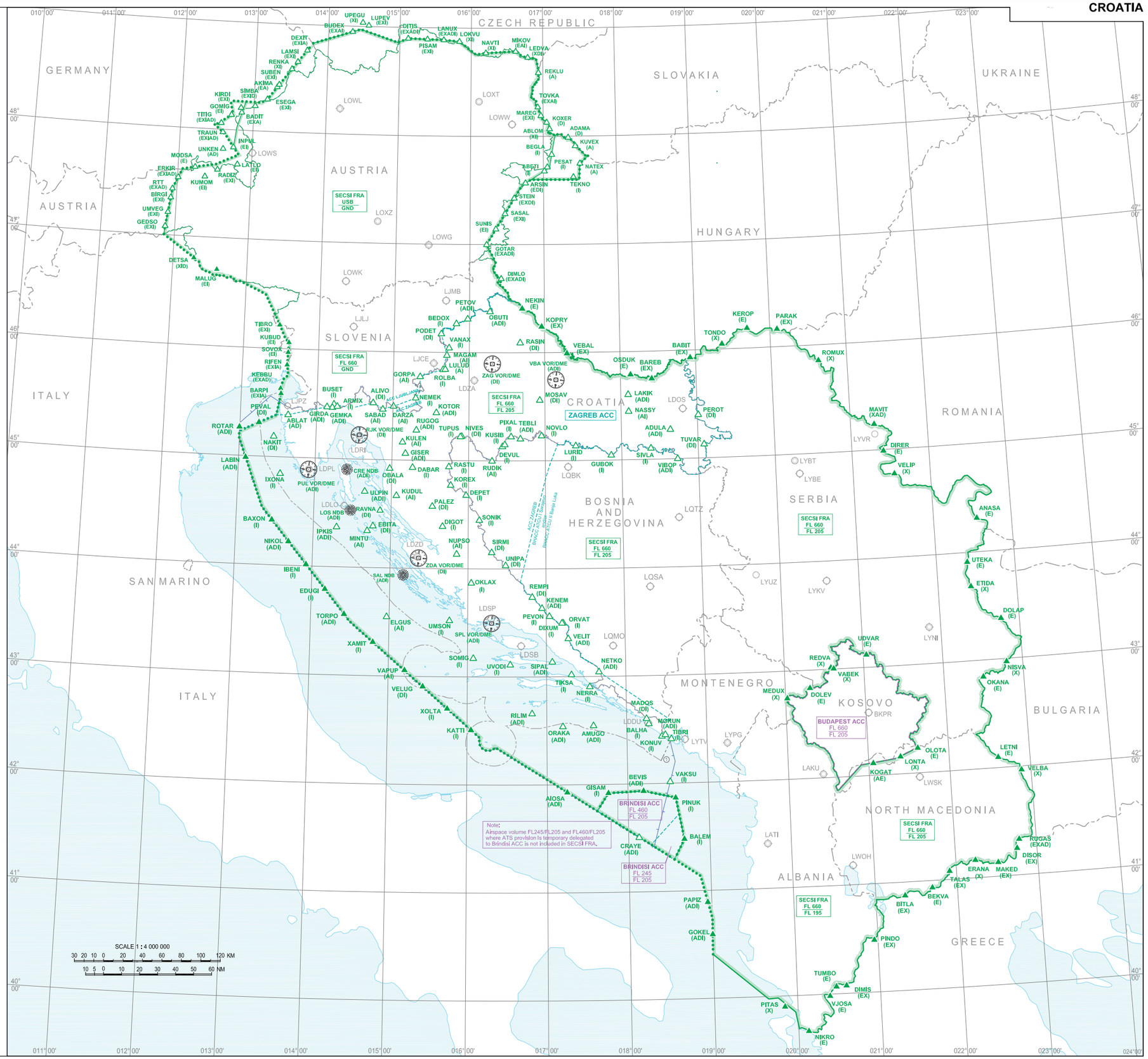
CHANGE: Reporting points: NEKIN added, EVINI and TILVO withdrawn; Editorial.



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LDDU AD 2.17 ZRAČNI PROSTOR U NADLEŽNOSTI ATS-A

1	Oznaka i bočne granice	CTR Dubrovnik 424230N 0180249E 423619N 0181441E along the FIR boundary Zagreb/Sarajevo 423612N 0181514E 423246N 0182545E 422447N 0182554E 423441N 0175738E 424230N 0180249E
2	Vertikalne granice	4000 FT ALT / GND
3	Klasifikacija zračnog prostora	D
4	Pozivni znak ATS jedinice Jezik(ci)	DUBROVNIK TORANJ / DUBROVNIK TOWER Hrvatski, engleski
5	Prijelazna apsolutna visina	10000 FT MSL
6	Primjedbe	Nil

LDDU AD 2.18 KOMUNIKACIJSKE SLUŽBE ATS-A

Oznaka službe	Pozivni znak	Frekvencija	Sati rada	Primjedbe
1	2	3	4	5
APP	DUBROVNIK RADAR	123.600 MHZ	H24	Primary FREQ
	DUBROVNIK RADAR	134.725 MHZ	H24	ALTN FREQ
	DUBROVNIK RADAR	121.500 MHZ	H24	EMERG FREQ
TWR	DUBROVNIK TORANJ / DUBROVNIK TOWER	129.500 MHZ	H24	Primary FREQ If no contact on TWR frequency, contact Dubrovnik Radar.
		125.400 MHZ	H24	ALTN FREQ
DELIVERY	DUBROVNIK DELIVERY	125.400 MHZ	TUE, THU, SAT, SUN 0700-1500 during summer period only	For additional hours of operation, monitor ATIS. If no contact on DUBROVNIK DELIVERY FREQ, contact DUBROVNIK TWR on 129.500 MHZ.
ATIS	DUBROVNIK ATIS	118.425 MHZ	H24	

LDDU AD 2.19 RADIONAVIGACIJSKI I UREĐAJI ZA SLIJETANJE

Vrsta uređaja CAT ILS/MLS (VOR/ILS/MLS VAR)	ID	Frekvencija	Sati rada	Koordinate predajne antene	Nadmorska visina DME predajne antene	Primjedbe
1	2	3	4	5	6	7
VOR/DME (4°E/2019)	DBK	115.4 MHZ CH101X	H24	423403.53N 0181522.00E	556 FT	Pokrivanje 80 NM - neupotrebljivo između QDR 057° - 073° MRA at 40 NM: QDR 169° - 300° 4000 FT
VOR/DME (4°E/2019)	SPL	115.7 MHZ CH104X	H24	432947.69N 0161817.00E	734 FT	Domet 100 NM
DME 11	IDU	110.1 MHZ CH38X	H24	423408.19N 0181507.96E	571 FT	Collocated with GP 11, Orbit flight DME 25 NM MRA: 140°- 310° 4000 FT 310°- 140° 6000 FT
NDB	KLP	318 KHZ	H24	424009.42N 0180115.07E		297°MAG/11.73 NM from THR 11 Domet 50 NM
LOC 11	IDU	110.1 MHZ	H24	423316.63N 0181706.77E		ILS CAT I Not usable to 17 NM outside 22° left (North) of centre line.
GP 11		334.4 MHZ	H24	423408.19N 0181507.94E		3.0°, RDH 50 FT
MM11	Dots-Dashes	75 MHZ	H24	423427.81N 0181408.83E		

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LDDU AD 2.20 LOKALNI AERODROMSKI PROPISI

Prilikom ulaska/izlaska zrakoplova ili helikoptera sa bilo koje parkirne pozicije, moraju se slijediti upute aerodromske kontrole zračnog prometa, upute za prepraćivanje zrakoplova ili helikoptera i upute zamaljskog osoblja za parkiranje.

Maksimalni raspon krila zrakoplova za TXL (taxilane) H je 31 M dok je max. raspon krila za TXL J 52 M.

RWY 29 THR okretište (turn pad) zabranjen je za korištenje za ACFT sa međuosovinskim razmakom većim od 22.8 M.

Snaga vanjskih motora zrakoplova kodnog slova F mora biti korištena samo u praznom hodu za vrijeme kretanja zrakoplova po tlu.

Kada zrakoplov sa rasponom krila većim od 47.8 M taksira APRON TXL između parkirnih pozcija 8 - 16, mogu se očekivati posebni uvjeti.

Kada zrakoplov kodnog slova E taksira između staza za vožnju TWY G i TWY W mora se kretati sporijom brzinom taksiranja.

Pozicije 1 - 21 se mogu koristiti za testiranje motora zrakoplova, uz prethodno odobrenje aerodromske kontrole zračnog prometa.

Pri ulasku na stajanku, zrakoplov se obvezno mora zaustaviti no "HOLD FOR FOLLOW ME" i pričekati vozilo za praćenje i navođenje zrakoplova.

Korištenje TWY-a B za zrakoplove kodnog slova E dozvoljeno samo uz odobrenje ATC-a i predvođenje Follow me vozilom. Obavezno strogo praćenje Follow me vozila. Snaga vanjskih motora zrakoplova s četiri motora kodnog slova E mora biti korištena samo u praznom hodu za vrijeme korištenja TWY B.

Pri završnom ulasku na parkirne pozicije 10, 10A, 11, 12, 14 i 14A, potrebno je pratiti AVGDS (sustav za vizualno navođenje zrakoplova) sustav tipa APIS. U slučaju kvara APIS-a, potrebno je slijediti upute zemaljskog osoblja.

Startanje motora zrakoplova je zabranjeno na pozicijama 22, 23, 24, 25, 26 I 27. Startanje motora će biti odobreno nakon preguravanja zrakoplova do HP (holding position) J.

ATC odobrenje za polazak raspoloživo je na Dubrovnik TWR FREQ 15 MIN prije pokretanja.

Prilikom prvog javljanja aerodromskoj kontroli zračnog prometa pilot je dužan javiti broj parkirne pozicije.

Prilikom samostalnog izlaska s pozicije, zrakoplov ce tražiti odobrenje za pokretanja nakon što je uspostavljena komunikacija sa zemaljskim osobljem.

U slučaju samostalnog izlaska s ‚nose-in" parkirnih pozicija (1-9, 15-21) izričito se preporučuje korištenje oba motora. U slučaju da se koristi jedan motor, savjetuje se poseban oprez u pogledu potrebe do se koristi motor na suprotnoj strani od smjera okretanja.

Prilikom izguravanja zrakoplova s pozicije:

- zrakoplov ce tražiti odobrenje za izguravanje i pokretanja nakon što je uspostavljena komunikacija sa zemaljskim osobljem, vozilo za izguravanje prikopčano na zrakoplov i zrakoplov je spreman započeti izguravanje;
- odobrenje aerodromske kontrole zračnog prometa za izguravanje ce sadržavati informaciju o uzletno-sletnoj stazi u upotrebi.
- Posada zrakoplova mora proslijediti zemaljskom osoblju zaduženom za izguravanje informaciju o uzletno-sletnoj stazi u upotrebi.

UPOZORENJE: Mogući naleti vjetra, smicanje vjetra i turbulencija u prilazima za slijetanje i na RWY 11/29 u uvjetima jakih sjeveroistočnih vjetrova.

Poželjna konfiguracija RWY-a/ RWY u upotrebi je RWY 11.

LDDU AD 2.21 POSTUPCI ZA SMANJENJE BUKE

POSTUPAK ZA SMANJENJE BUKE U ODLASKU RWY 29

Operateri zrakoplova slijediti će postupke za smanjenje buke koje preporučuje proizvođač zrakoplova do FL 100 ili postupak koji se nalazi ispod:

- uzlijetati do 1350 FT QNH
- penjati brzinom V_2 + 10 KT
- po dolasku na visinu od 1350 FT QNH, podesiti i održavati snagu/potisak motora u skladu s postupcima za smanjenje buke koji se nalaze u operativnom priručniku zrakoplova.
- održavati brzinu penjanja od V_2 + 10-20 KT s pretkrilcima i zakrilcima u konfiguraciji za uzlijetanje.
- na visini od 3500 FT QNH održavati pozitivnu brzinu penjanja, ubrzavati i uvući pretkrilca/zakrilca u skladu s procedurom.

LDDU AD 2.22 POSTUPCI TIJEKOM LETA

LDDU AD 2.22.1 ZRAKOPLOVI U ODLASKU

Prelazak na frekvenciju Dubrovnik Radara

Piloti zrakoplova u odlasku moraju ostati na frekvenciji Tornja do prolaska visine 3000 FT AMSL, osim u slučaju drugačije upute kontrole zračnog prometa.

Za slučaj nestandardnog odobrenja za odlazak i/ili procedure vizualnog odlaska, piloti trebaju slijediti uputu: “Nakon prolaska visine 3000 FT AMSL, uspostaviti kontakt sa Dubrovnik Radarom na 123.600 MHZ”.

SID RWY 11 (Preferential RWY)

SID RWY 11 (Preferential RWY)				
Designator	Route	After take off		Remarks
		Climb initially	Contact	
RIGVA 1A	**RIGVA ONE ALPHA DEPARTURE** MNM PDG 5.0% (304 FT/NM) up to 2300 FT. Climb straight ahead. At 3.3 DME DBK turn RIGHT on track 223°. Intercept R-178 DBK climbing to RIGVA.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ	

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SID RWY 29

SID RWY 29				
Designator	**Route**	**After take off**		**Remarks**
		Climb initially	**Contact**	
NERRA 3D (On ATC authorization only)	**NERRA THREE DELTA DEPARTURE** Climb on R-299 DBK to NERRA.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ	Cross NERRA at or above 8000 FT.

LDDU AD 2.22.2 STAR RWY 11

STAR RWY 11				
Designator	**Route**	**Descend**	**Contact**	**Remarks**
SIPAL 1A	**SIPAL ONE ALPHA ARRIVAL** From SIPAL proceed on R-300 DBK to LOSCA. Cross 49.0 DME DBK at or above FL120. Cross 38.0 DME DBK at or above FL100. Cross 30.0 DME DBK at or above 8000 FT. Cross LOSCA at or above 6000 FT.	As cleared by ATC		

LDDU AD 2.22.3 PROCEDURA NEUSPJELOG PRILAZA

Neodložno obavijestiti kontrolu zračnog prometa.

Osim u slučaju drugačije upute kontrole zračnog prometa, koristiti odgovarajuću kartu instrumentalnog prilaza - LDDU AD 2.24 i slijediti objavljenu proceduru neuspjelog prilaza.

Procedura neuspjelog prilaza tijekom **vizualnog prilaženja za RWY 29**: 'Uključiti se u završni krak za RWY 29, zadržati se u pravcu RWY-a i penjati na visinu 5000 FT'.

LDDU AD 2.22.4 REZERVNI UREĐAJ NA TWR-U ZA SLUČAJ POTPUNOG OTKAZA KOMUNIKACIJE

U slučaju potpunog prekida komunikacije, na TWR Dubrovnik na raspolaganju je signalna svjetiljka.
Piloti trebaju pratiti svjetlosne signale s tornja.

LDDU AD 2.23 DODATNE INFORMACIJE

Povećana aktivnost galebova klaukavaca (Larus cachinnans) na i u blizini aerodroma. Otoci Mrkan, Bobara i Supetar su zaštićeni kao ornitološki rezervat, a nalaze se u neposrednoj blizini prilazne i odlazne površine RWY 11.

Vidjeti Kartu koncentracije ptica: LDDU AD 2.24.14 BC -1.

LDDU AD 2.24 POPRATNE KARTE AERODROMA

Naziv	Stranica
Aerodrome Chart - ICAO	LDDU AD 2.24.1 ADC -1
Aircraft Parking/Docking Chart - ICAO	LDDU AD 2.24.2 APDC -1
Aerodrome Ground Movement Chart - ICAO	*NOT AVBL*
Aerodrome Obstacle Chart - ICAO - Type A RWY 11	LDDU AD 2.24.4 AOC RWY 11 -1
Aerodrome Obstacle Chart - ICAO - Type A RWY 29	LDDU AD 2.24.4 AOC RWY 29 -1
Aerodrome Terrain and Obstacle Chart - ICAO (Electronic)	*NOT AVBL*
Precision Approach Terrain Chart - ICAO	*NOT AVBL*
Area Chart – ICAO (departure and transit routes)	*NOT AVBL*
Standard Departure Chart - Instrument - ICAO - RWY 11	LDDU AD 2.24.8 SID RWY 11 -1
Standard Departure Chart - Instrument - ICAO - RNAV RWY 11	LDDU AD 2.24.8 SID RNAV RWY 11 -1
Standard Departure Chart - Instrument - ICAO - RWY 29	LDDU AD 2.24.8 SID RWY 29 -1
Standard Departure Chart - Instrument - ICAO - RNAV RWY 29	LDDU AD 2.24.8 SID RNAV RWY 29 -1
Area Chart – ICAO (arrival and transit routes)	*NOT AVBL*
Standard Arrival Chart - Instrument - ICAO - RWY 11	LDDU AD 2.24.10 STAR RWY 11 -1
Standard Arrival Chart - Instrument - ICAO - RNAV RWY 11	LDDU AD 2.24.10 STAR RNAV RWY 11 -1
Standard Arrival Chart - Instrument - ICAO - RNAV RWY 29	LDDU AD 2.24.10 STAR RNAV RWY 29 -1
ATC Surveillance Minimum Altitude Chart - ICAO	LDDU AD 2.24.11 ATCSMAC -1
Instrument Approach Chart - ICAO - VOR RWY 11	LDDU AD 2.24.12 IAC VOR RWY 11 -1
Instrument Approach Chart - ICAO - ILSy or LOCy RWY 11	LDDU AD 2.24.12 IAC ILSy or LOCy RWY 11 -1
Instrument Approach Chart - ICAO - ILSz or LOCz RWY 11	LDDU AD 2.24.12 IAC ILSz or LOCz RWY 11 -1
Instrument Approach Chart - ICAO (Circling With Prescribed Tracks) - RNP-b RWY 29	LDDU AD 2.24.12 IAC RNP-b RWY 29 -1
Instrument Approach Chart - ICAO RNP RWY 11	LDDU AD 2.24.12 IAC RNP RWY 11 -1
Instrument Approach Chart - ICAO RNP RWY 29 (AR)	LDDU AD 2.24.12 IAC RNP RWY 29 (AR) -1
Visual Approach Chart RWY 29	LDDU AD 2.24.13 VAC RWY 29 -1
Visual Operation Chart	LDDU AD 2.24.13 VOC -1
Bird concentrations	LDDU AD 2.24.14 BC -1

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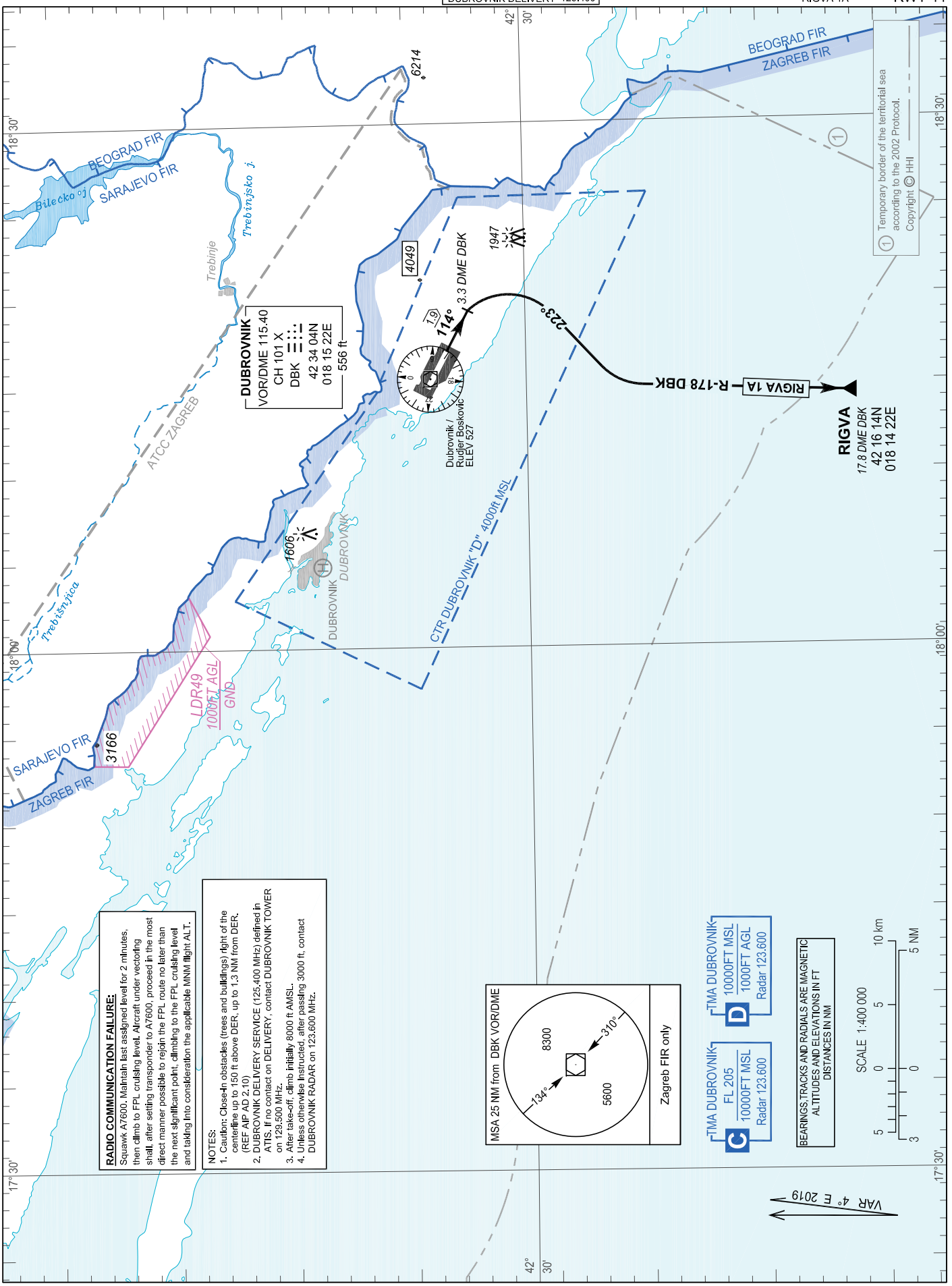
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

DUBROVNIK ATIS	118.425
DUBROVNIK TOWER	129.500
DUBROVNIK RADAR	123.600
DUBROVNIK DELIVERY	125.400

DUBROVNIK / Rudjer Boskovic (LDDU)

RIGVA 1A — RWY 11



RADIO COMMUNICATION FAILURE:
Squawk A7600. Maintain last assigned level for 2 minutes, then climb to FPL cruising level. Aircraft under vectoring shall, after setting transponder to A7600, proceed in the most direct manner possible to rejoin the FPL route no later than the next significant point, climbing to the FPL cruising level and taking into consideration the applicable MNM flight ALT.

NOTES:
1. Caution: Close-in obstacles (trees and buildings) right of the centerline up to 150 ft above DER, up to 1.3 NM from DER. (REF AIP AD 2.10)
2. DUBROVNIK DELIVERY SERVICE (125.400 MHz) defined in ATIS. If no contact on DELIVERY, contact DUBROVNIK TOWER on 129.500 MHz.
3. After take-off, climb initially 8000 ft AMSL.
4. Unless otherwise instructed, after passing 3000 ft, contact DUBROVNIK RADAR on 123.600 MHz.

CHANGE: TMA classification vertical limits; Editorial.

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

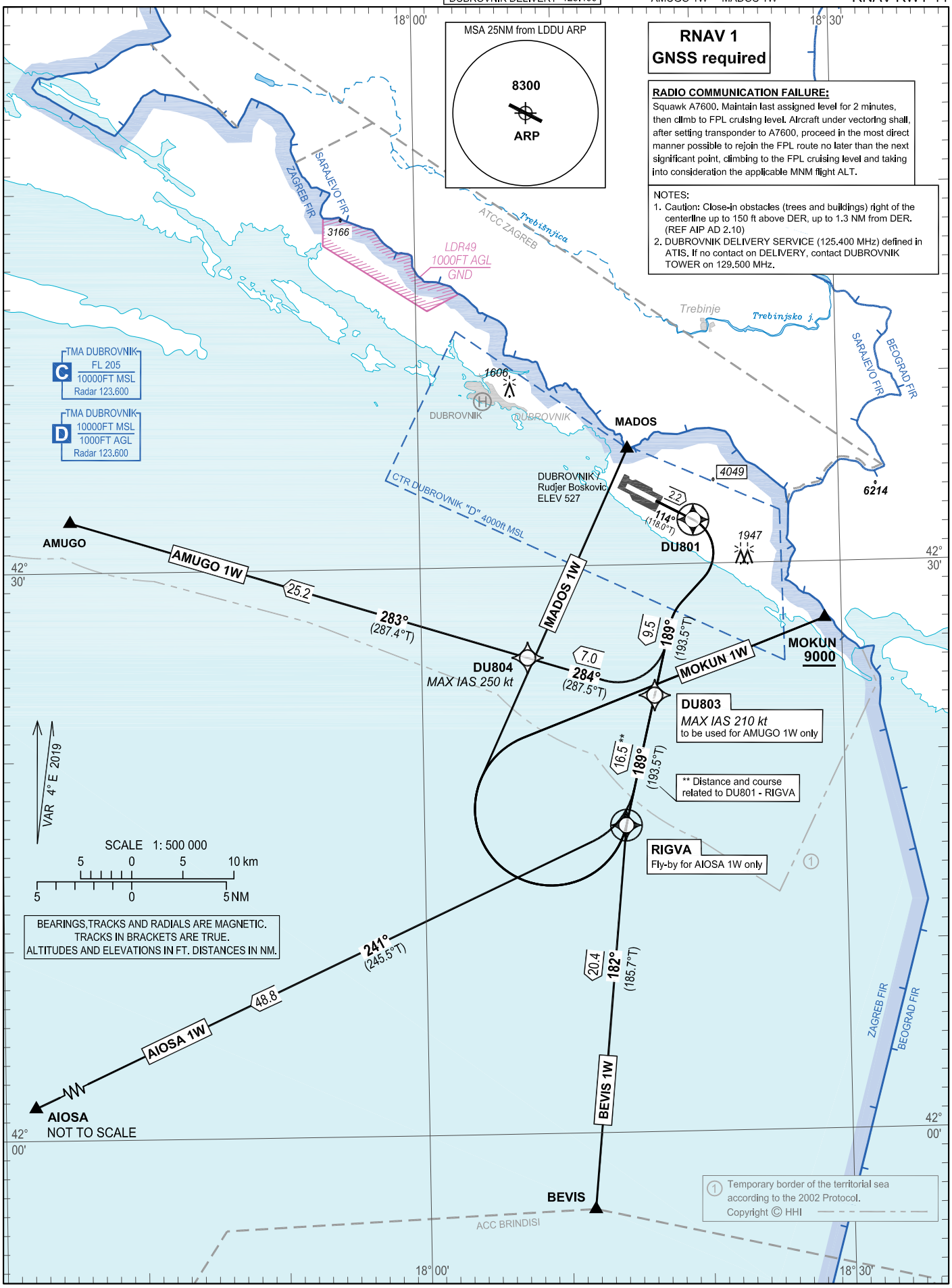
TRANSITION ALTITUDE
10 000

DUBROVNIK ATIS	118.425
DUBROVNIK TOWER	129.500
DUBROVNIK RADAR	123.600
DUBROVNIK DELIVERY	125.400

DUBROVNIK / Rudjer Boskovic (LDDU)

MOKUN 1W BEVIS 1W AIOSA 1W
AMUGO 1W MADOS 1W

RNAV RWY 11



CHANGE: TMA classification vertical limits; Editorial.

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DUBROVNIK / Rudjer Boskovic (LDDU)

RNAV RWY 11 — MOKUN 1W, BEVIS 1W, AIOSA 1W, AMUGO 1W, MADOS 1W

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

- MNM PDG 5.0 per cent (304 ft/NM) up to 2300 ft AMSL.
- After take-off climb initially 8000 ft AMSL.
- Unless otherwise instructed, after passing 3000 ft AMSL contact DUBROVNIK RADAR on 123.600 MHz.

LDDU RNAV STANDARD INSTRUMENT DEPARTURE RWY 11

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	MOKUN 1W	CF	DU801	Y	114° (118.0°T)	4°E	2.2	-	-	-	-	RNAV 1
020		CF	RIGVA	Y	189° (193.5°T)	4°E	16.5	-	-	-		
030		DF	MOKUN	-	-	4°E	-	R	+9000	-		
010	BEVIS 1W	CF	DU801	Y	114° (118.0°T)	4°E	2.2	-	-	-	-	RNAV 1
020		TF	RIGVA	Y	189° (193.5°T)	4°E	16.5	-	-	-		
030		TF	BEVIS	-	182° (185.7°T)	4°E	20.4	-	-	-		
010	AIOSA 1W	CF	DU801	Y	114° (118.0°T)	4°E	2.2	-	-	-	-	RNAV 1
020		TF	RIGVA	-	189° (193.5°T)	4°E	16.5	-	-	-		
030		TF	AIOSA	-	241° (245.5°T)	4°E	48.8	-	-	-		
010	AMUGO 1W	CF	DU801	Y	114° (118.0°T)	4°E	2.2	-	-	-	-	RNAV 1
020		TF	DU803	-	189° (193.5°T)	4°E	9.5	-	-	-210		
030		TF	DU804	-	284° (287.5°T)	4°E	7.0	R	-	-250		
040		TF	AMUGO	-	283° (287.4°T)	4°E	25.2	-	-			
010	MADOS 1W	CF	DU801	Y	114° (118.0°T)	4°E	2.2	-	-	-	-	RNAV 1
020		CF	RIGVA	Y	189° (193.5°T)	4°E	16.5	-	-	-		
030		DF	MADOS	-	-	4°E	-	R	-	-		

CHANGE: TMA classification vertical limits; Editorial.

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Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
AIOSA	415542N	0171454E
AMUGO	423239N	0173502E
BEVIS	415558N	0181140E
MADOS	423609N	0181457E
MOKUN	422701N	0182848E
RIGVA	421613.8N	0181421.6E
DU801	423219.1N	0181933.3E
DU803	422304.4N	0181633.9E
DU804	422510.7N	0180733.1E

CHANGE: TMA classification vertical limits; Editorial.

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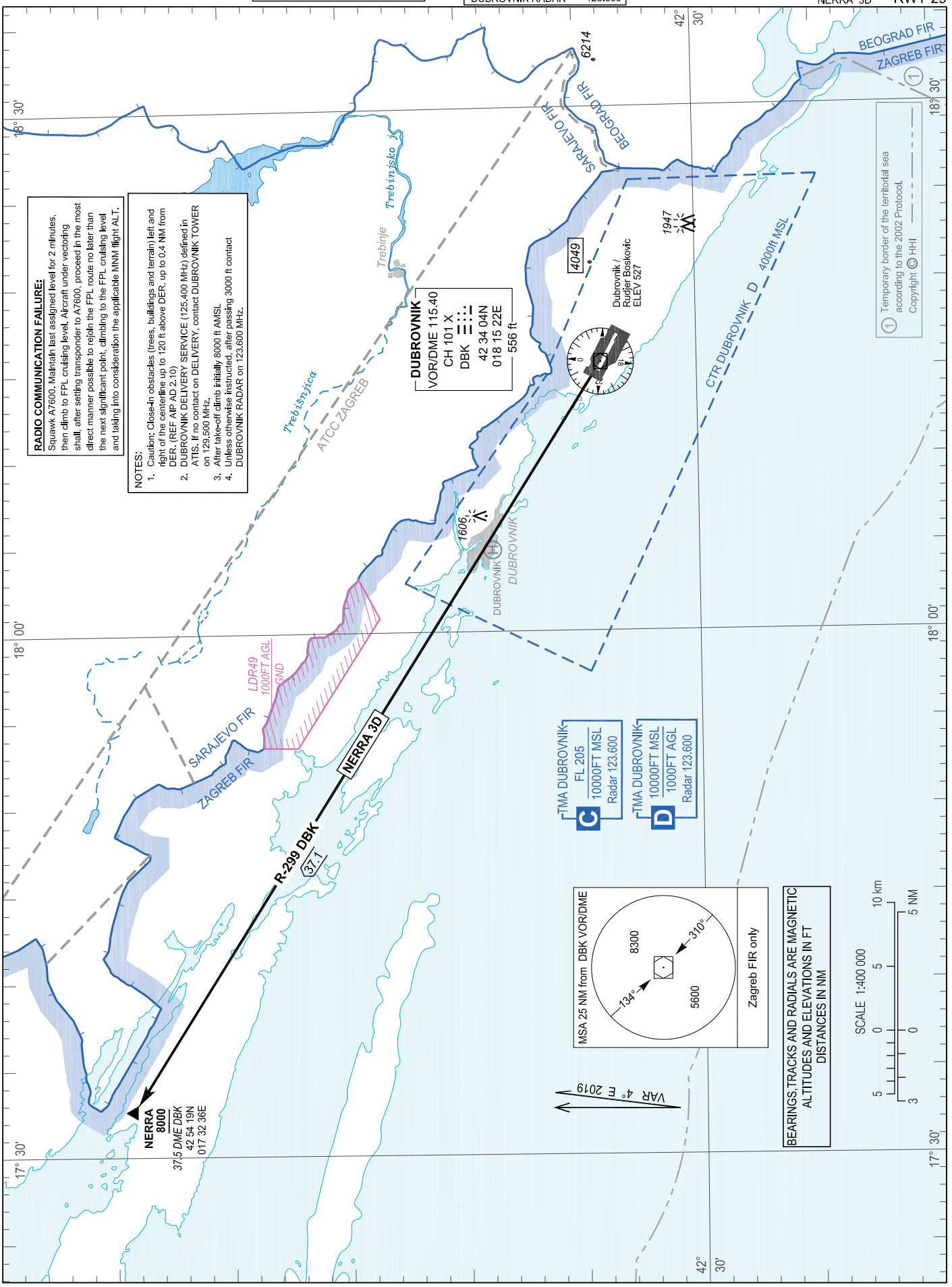
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

DUBROVNIK ATIS	118.425
DUBROVNIK TOWER	129.500
DUBROVNIK DELIVERY	125.400
DUBROVNIK RADAR	123.600

DUBROVNIK / Rudjer Boskovic (LDDU)

NERRA 3D RWY 29



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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

DUBROVNIK ATIS	118.425
DUBROVNIK TOWER	129.500
DUBROVNIK RADAR	123.600
DUBROVNIK DELIVERY	125.400

DUBROVNIK / Rudjer Boskovic (LDDU)

DOPUT 1V AMUGO 1V AIOSA 1V
BEVIS 1V MOKUN 2V

RNAV RWY 29

MSA 25NM from LDDU ARP
8300
ARP

RNAV 1
GNSS required

RADIO COMMUNICATION FAILURE:
Squawk A7600. Maintain last assigned level for 2 minutes, then climb to FPL cruising level. Aircraft under vectoring shall, after setting transponder to A7600, proceed in the most direct manner possible to rejoin the FPL route no later than the next significant point, climbing to the FPL cruising level and taking into consideration the applicable MNM flight ALT.

NOTES:
1. Caution: Close-In obstacles (trees and buildings) left and right of the centerline up to 120 ft above DER, up to 0.4 NM from DER. (REF AIP AD 2.10)
2. DUBROVNIK DELIVERY SERVICE (125.400 MHz) defined in ATIS. If no contact on DELIVERY, contact DUBROVNIK TOWER on 129.500 MHz.

18° 00' 18° 30'
42° 30' 42° 00'

ZAGREB FIR
SARAJEVO FIR
ATCC ZAGREB
Trebišnjica
3166
LDR49
1000FT AGL
GND
Trebinje
Trebinjsko j.
BEOGRAD FIR
1606
DUBROVNIK
1947
4049
6214
CTR DUBROVNIK "D" 4000R MSL

Fly-by for
AMUGO 1V and AIOSA 1V
DU904

DOPUT
5000

DOPUT 1V
8.5
305°
(308.6°T)
709
8.0
294°
(298.1°T)

DU903

10.0
294°
(298.2°T)

DUBROVNIK /
Rudjer Boskovic
ELEV 527

MOKUN 2V

MOKUN
9000

16.8
230°
(233.6°T)
AMUGO 1V
AMUGO

54.9
207°
(211.5°T)
AIOSA 1V
AIOSA
NOT TO SCALE

BEVIS 1V
BEVIS

TMA DUBROVNIK
C FL 205
10000FT MSL
Radar 123.600

TMA DUBROVNIK
D 10000FT MSL
1000FT AGL
Radar 123.600

VAR 4° E 2019

SCALE 1: 500 000
5 0 5 10 km
5 0 5 NM

BEARINGS, TRACKS AND RADIALS ARE MAGNETIC.
TRACKS IN BRACKETS ARE TRUE.
ALTITUDES AND ELEVATIONS IN FT. DISTANCES IN NM.

① Temporary border of the territorial sea according to the 2002 Protocol.
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ACC BRINDISI

CHANGE: TMA classification vertical limits; Editorial.

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DUBROVNIK / Rudjer Boskovic (LDDU)

RNAV RWY 29 DOPUT 1V AMUGO 1V AIOSA 1V BEVIS 1V MOKUN 2V

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

- After take-off climb initially 8000 ft AMSL.
- Unless otherwise instructed, after passing 3000 ft AMSL contact DUBROVNIK RADAR on 123.600 MHz.

LDDU RNAV STANDARD INSTRUMENT DEPARTURE RWY 29

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	DOPUT 1V	CF	DU903	-	294° (298.2°T)	4°E	10.0	-	-	-	On ATC authorization only. Expect further climb and radar vectoring to en-route transition point filed in FPL.	RNAV 1
020		TF	DOPUT	-	305° (308.6°T)	4°E	8.5	-	+5000	-		
010	AMUGO 1V	CF	DU903	-	294° (298.2°T)	4°E	10.0	-	-	-	-	RNAV 1
020		TF	DU904	-	294° (298.1°T)	4°E	8.0	-	-	-		
030		TF	AMUGO	-	230° (233.6°T)	4°E	16.8	-	-	-		
010	AIOSA 1V	CF	DU903	-	294° (298.2°T)	4°E	10.0	-	-	-	-	RNAV 1
020		TF	DU904	-	294° (298.1°T)	4°E	8.0	-	-	-		
030		TF	AIOSA	-	207° (211.5°T)	4°E	54.9	-	-	-		
010	BEVIS 1V	CF	DU903	-	294° (298.2°T)	4°E	10.0	-	-	-	-	RNAV 1
020		CF	DU904	Y	294° (298.1°T)	4°E	8.0	-	-	-		
030		DF	BEVIS	-	- -	4°E	-	L	-	-		
010	MOKUN 2V	CF	DU903	-	294° (298.2°T)	4°E	10.0	-	-	-	-	RNAV 1
020		CF	DU904	Y	294° (298.1°T)	4°E	8.0	-	-	-		
030		DF	MOKUN	-	- -	4°E	-	L	+9000	-		

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
AIOSA	415542N	0171454E
BEVIS	415558N	0181140E
AMUGO	423239N	0173502E
DOPUT	424409.5N	0175356.8E
MOKUN	422701N	0182848E
DU903	423853.6N	0180254.6E
DU904	424239.2N	0175320.1E

CHANGE: TMA classification vertical limits; Editorial.

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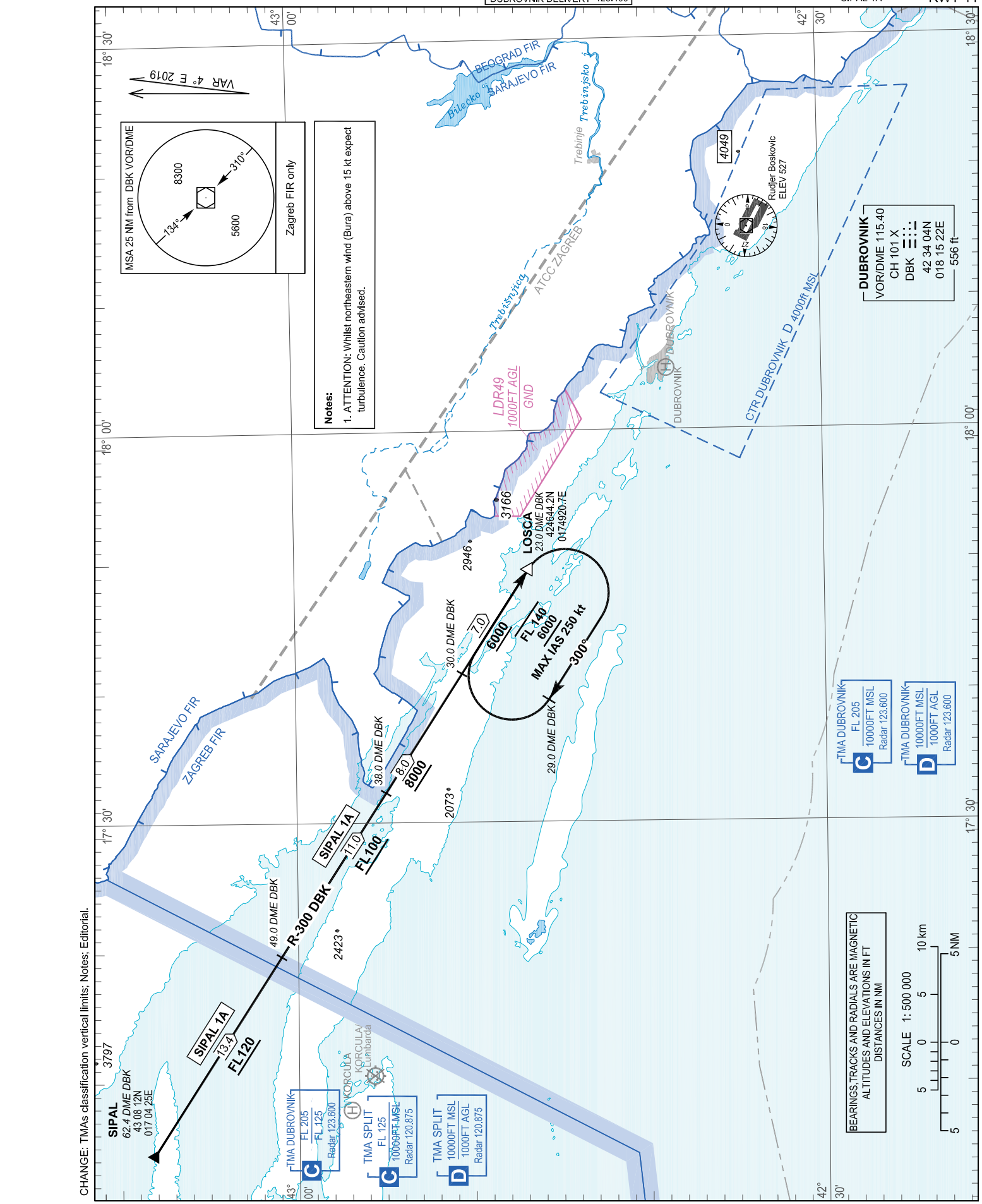
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

DUBROVNIK ATIS	118.425
DUBROVNIK RADAR	123.600
DUBROVNIK TOWER	129.500
DUBROVNIK DELIVERY	125.400

DUBROVNIK / Rudjer Boskovic (LDDU)

SIPAL 1A — RWY 11



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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

DUBROVNIK ATIS	118.425
DUBROVNIK RADAR	123.600
DUBROVNIK TOWER	129.500
DUBROVNIK DELIVERY	125.400

DUBROVNIK / Rudjer Boskovic (LDDU)

SIPAL 3Z SIPAL 1H NETKO 1Z NETKO 1H
MOKUN 4Z BEVIS 3Z AIOSA 1Z ORAKA 3Z

RNAV RWY 11

RNAV 1
GNSS required

Notes:
1. STARs RNAV RWY 11 not to be used when radar service unavailable.
2. After ERASO proceed to DU605 unless specifically instructed by ATC, or ATC cleared transition to ILS z / LOC z / RNP RWY 11 via ERASO.
3. For approach transition from ERASO see LDDU AD 2.24.12 IAC RNP RWY 11 and LDDU AD 2.24.12 IAC ILS z or LOC z RWY 11.
4. In traffic peaks, expect to follow procedure for sequencing. After direct clearance to a waypoint, intercept and follow rest of the STAR to PILAP. When possible, shortcut to IAF/IF will be provided by ATC.
5. ATTENTION: Whilst northeastern wind (Bura) above 15 kt expect turbulence. Caution advised.

SIPAL
TMA SPLIT C FL 125 / 10000FT MSL Radar 120,875
TMA DUBROVNIK C FL 205 / FL 125 Radar 123.600
TMA SPLIT D 10000FT MSL / 1000FT AGL Radar 120,875
SARAJEVO FIR
ZAGREB FIR
NETKO
DU615 8000
KORCULA
KORCULA/ Lumbarda
DU616 8000
NERRA
NETKO 1H: FL120
MAX IAS 230kt
ATCC ZAGREB
LDR49 1000ft AGL GND
3166
DU601
IAF PILAP 5000
Trebinje
DU614
DU610
NETKO 1Z: MAX IAS 290kt
DU604
DU605
DUBROVNIK
ERASO IAF on ATC authorization only
DU613 8500
MAX IAS 300kt
4049
CTR DUBROVNIK "D" 4000ft MSL
DUBROVNIK / Rudjer Boskovic ELEV 527
MOKUN
NOT TO SCALE
DU612
DU607
ORAKA
ORAKA 3Z: MAX IAS 250kt
DU609
MAX IAS 250kt
DU606
FL160
BEVIS 3Z, AIOSA 1Z: MAX IAS 250kt
SIPAL 3Z, NETKO 1Z, ORAKA 3Z: MAX IAS 230kt
MAX IAS 250kt 5000 1 MIN
MAX IAS 210kt 5000 1 MIN
MSA 25NM from PILAP
PILAP
7700
VAR 4° E 2019
TMA DUBROVNIK C FL 205 / 10000FT MSL Radar 123.600
TMA DUBROVNIK D 10000FT MSL / 1000FT AGL Radar 123.600
DU611
AIOSA
BEVIS
BEARINGS,TRACKS AND RADIALS ARE MAGNETIC.
TRACKS IN BRACKETS ARE TRUE.
ALTITUDES AND ELEVATIONS IN FT. DISTANCES IN NM.
SCALE 1 : 600 000
5 0 5 10 15 km
5 0 5 10 NM
ACC BRINDISI
ZAGREB FIR
BRINDISI FIR

CHANGE: TMAs classification vertical limits; Notes; Editorial.

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RNAV RWY 11 — SIPAL 3Z, MOKUN 4Z, SIPAL 1H, BEVIS 3Z, NETKO 1Z, AIOSA 1Z, NETKO 1H, ORAKA 3Z

NOTES:
1. IAF on ATC authorization only: For APPROACH TRANSITION from ERASO see LDDU AD 2.24.12 IAC RNP RWY 11 and LDDU AD 2.24.12 IAC ILS z or LOC z RWY 11.

LDDU RNAV STANDARD ARRIVAL RWY 11

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SIPAL 3Z	IF	SIPAL	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	DU616	-	164° (168.0°T)	4°E	13.0	-	+8000	-	-	
030		TF	DU614	-	164° (168.0°T)	4°E	12.8	-	-	-	-	
040		TF	DU610	-	113° (117.5°T)	4°E	7.0	-	-	-	-	
050		TF	DU612	-	114° (117.6°T)	4°E	12.1	-	-	-	-	
060		TF	DU607	-	114° (117.8°T)	4°E	7.0	-	-	-	-	
070		TF	DU606	-	114° (117.8°T)	4°E	7.0	-	-FL160	-230	-	
080		TF	ERASO	-	024° (027.9°T)	4°E	7.0	L	-	-	IAF on ATC authorization only	
090		TF	DU605	-	294° (298.0°T)	4°E	7.0	L	-	-	-	
100		TF	DU604	-	294° (297.9°T)	4°E	7.0	-	-	-	-	
110		TF	DU601	-	024° (027.8°T)	4°E	7.0	R	-	-	-	
120		TF	PILAP	-	114° (117.9°T)	4°E	7.0	R	+5000	-	IAF	
010	SIPAL 1H	IF	SIPAL	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	DU615	-	120° (123.7°T)	4°E	14.9	-	+8000	-	-	
030		TF	NERRA	-	120° (123.9°T)	4°E	10.1	-	-	-	-	
040		TF	DU601	-	130° (134.3°T)	4°E	11.2	-	-	-	-	
050		TF	PILAP	-	114° (117.9°T)	4°E	7.0	-	+5000	-	IAF	

CHANGE: TMAs classification vertical limits; Notes; Editorial.

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DUBROVNIK / Rudjer Boskovic (LDDU)

SIPAL 3Z SIPAL 1H NETKO 1Z NETKO 1H
MOKUN 4Z BEVIS 3Z AIOSA 1Z ORAKA 3Z

RNAV RWY 11

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	NETKO 1Z	IF	NETKO	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	NERRA	-	208° (212.5°T)	4°E	9.7	-	-	-	-	
030		TF	DU610	-	208° (212.4°T)	4°E	17.2	-	-	-290	-	
040		TF	DU612	-	114° (117.6°T)	4°E	12.1	L	-	-	-	
050		TF	DU607	-	114° (117.8°T)	4°E	7.0	-	-	-	-	
060		TF	DU606	-	114° (117.8°T)	4°E	7.0	-	-FL160	-230	-	
070		TF	ERASO	-	024° (027.9°T)	4°E	7.0	L	-	-	IAF on ATC authorization only	
080		TF	DU605	-	294° (298.0°T)	4°E	7.0	L	-	-	-	
090		TF	DU604	-	294° (297.9°T)	4°E	7.0	-	-	-	-	
100		TF	DU601	-	024° (027.8°T)	4°E	7.0	R	-	-	-	
110		TF	PILAP	-	114° (117.9°T)	4°E	7.0	R	+5000	-	IAF	
010	NETKO 1H	IF	NETKO	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	NERRA	-	208° (212.5°T)	4°E	9.7	-	-FL120	-230	-	
030		TF	DU601	-	130° (134.3°T)	4°E	11.2	-	-	-	-	
040		TF	PILAP	-	114° (117.9°T)	4°E	7.0	-	+5000	-	IAF	
010	MOKUN 4Z	IF	MOKUN	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	DU613	-	301° (305.4°T)	4°E	12.2	-	+8500	-300	-	
030		TF	DU609	-	243° (246.7°T)	4°E	9.0	-	-	-250	-	
040		TF	ERASO	-	294° (298.1°T)	4°E	7.0	-	-	-	IAF on ATC authorization only	
050		TF	DU605	-	294° (298.0°T)	4°E	7.0	-	-	-	-	
060		TF	DU604	-	294° (297.9°T)	4°E	7.0	-	-	-	-	
070		TF	DU601	-	024° (027.8°T)	4°E	7.0	R	-	-	-	
080		TF	PILAP	-	114° (117.9°T)	4°E	7.0	R	+5000	-	IAF	

CHANGE: TMAs classification vertical limits; Notes; Editorial.

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RNAV RWY 11 — SIPAL 3Z, MOKUN 4Z, SIPAL 1H, BEVIS 3Z, NETKO 1Z, AIOSA 1Z, NETKO 1H, ORAKA 3Z

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	BEVIS 3Z	IF	BEVIS	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	DU611	-	331° (334.6°T)	4°E	17.5	-	-	-	-	
030		TF	DU606	-	330° (334.5°T)	4°E	17.5	-	-FL160	-250	-	
040		TF	ERASO	-	024° (027.9°T)	4°E	7.0	-	-	-	IAF on ATC authorization only	
050		TF	DU605	-	294° (298.0°T)	4°E	7.0	L	-	-	-	
060		TF	DU604	-	294° (297.9°T)	4°E	7.0	-	-	-	-	
070		TF	DU601	-	024° (027.8°T)	4°E	7.0	R	-	-	-	
080		TF	PILAP	-	114° (117.9°T)	4°E	7.0	R	+5000	-	IAF	
010	AIOSA 1Z	IF	AIOSA	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	DU606	-	036° (040.2°T)	4°E	41.8	-	-FL160	-250	-	
030		TF	ERASO	-	024° (027.9°T)	4°E	7.0	-	-	-	IAF on ATC authorization only	
040		TF	DU605	-	294° (298.0°T)	4°E	7.0	L	-	-	-	
050		TF	DU604	-	294° (297.9°T)	4°E	7.0	-	-	-	-	
060		TF	DU601	-	024° (027.8°T)	4°E	7.0	R	-	-	-	
070		TF	PILAP	-	114° (117.9°T)	4°E	7.0	R	+5000	-	IAF	
010	ORAKA 3Z	IF	ORAKA	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	DU607	-	089° (093.3°T)	4°E	22.9	-	-	-250	-	
030		TF	DU606	-	114° (117.8°T)	4°E	7.0	-	-FL160	-230	-	
040		TF	ERASO	-	024° (027.9°T)	4°E	7.0	L	-	-	IAF on ATC authorization only	
050		TF	DU605	-	294° (298.0°T)	4°E	7.0	L	-	-	-	
060		TF	DU604	-	294° (297.9°T)	4°E	7.0	-	-	-	-	
070		TF	DU601	-	024° (027.8°T)	4°E	7.0	R	-	-	-	
080		TF	PILAP	-	114° (117.9°T)	4°E	7.0	R	+5000	-	IAF	

CHANGE: TMAs classification vertical limits; Notes; Editorial.

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RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ Distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
PILAP	HM	097° (101.3°T)	1 MIN / -	R	5000	-	210	4°E	-	RNAV 1
NERRA	HM	120° (123.9°T)	1 MIN / -	R	5000	-	250	4°E	-	RNAV 1
ORAKA	HM	089° (093.2°T)	1 MIN / -	R	5000	-	250	4°E	-	RNAV 1
DU606	HM	024° (027.9°T)	1 MIN / -	R	5000	-	250	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
AIOSA	415542N	0171454E
BEVIS	415558N	0181140E
ERASO	423345.7N	0175547.1E
MOKUN	422701N	0182848E
NERRA	425418.5N	0173236.3E
NETKO	430230N	0173942E
ORAKA	423213N	0171202E
PILAP	424313.8N	0175151.5E
SIPAL	430812N	0170425E
DU601	424630.5N	0174327.6E
DU604	424018.9N	0173901.6E
DU605	423702.6N	0174724.8E
DU606	422734.5N	0175120.8E
DU607	423051.1N	0174259.0E
DU609	423028.1N	0180408.6E
DU610	423944.6N	0172005.2E
DU611	421146.7N	0180132.9E
DU612	423407.1N	0173436.4E
DU613	423403.53N	0181521.99E
DU614	424258.6N	0171140.9E
DU615	425955.6N	0172115.3E
DU616	425528.5N	0170805.4E

CHANGE: TMAs classification vertical limits; Notes; Editorial.

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OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA
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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

DUBROVNIK ATIS	118.425
DUBROVNIK RADAR	123.600
DUBROVNIK TOWER	129.500
DUBROVNIK DELIVERY	125.400

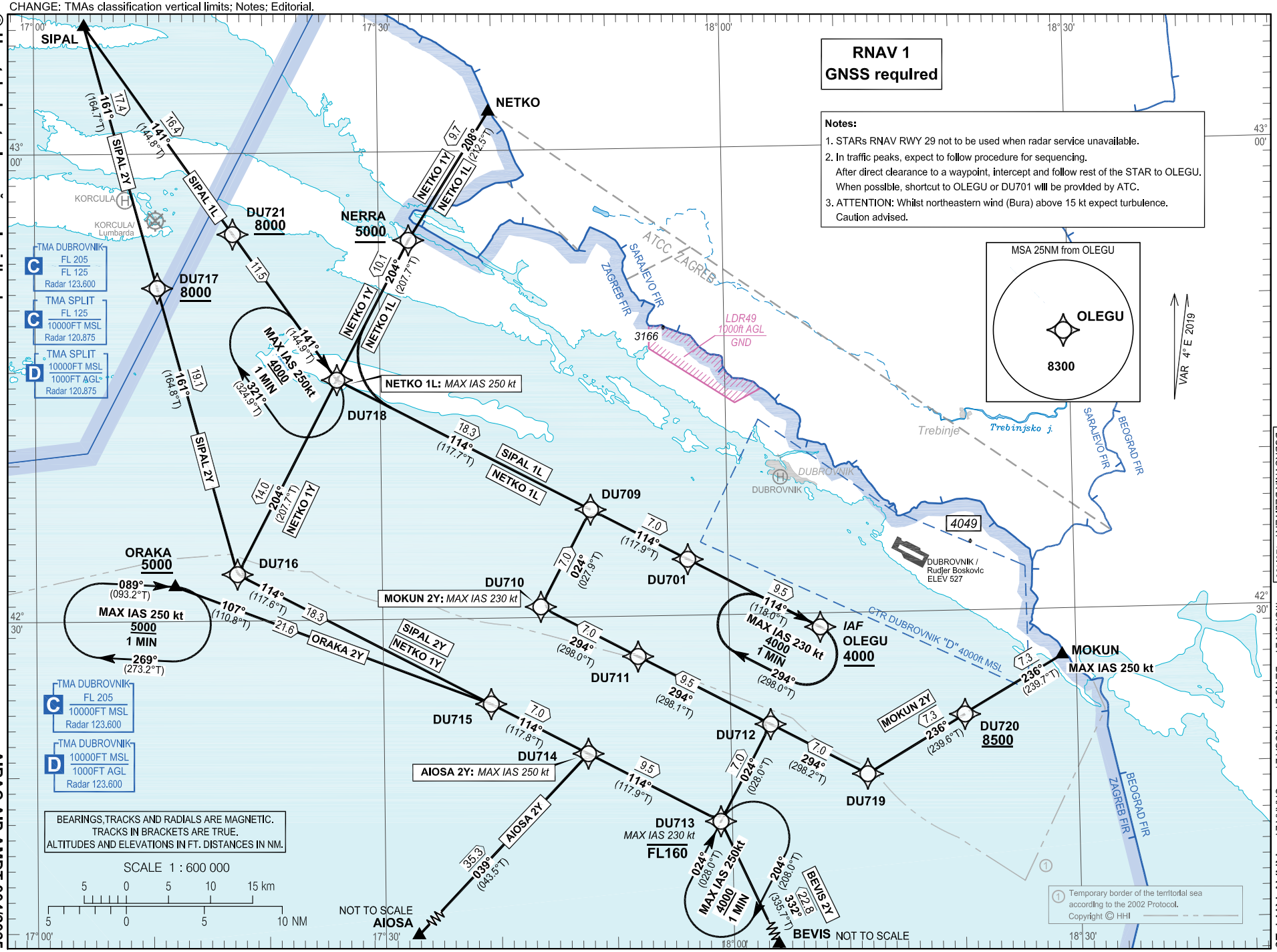
LDDU AD 2.24.10 STAR RNAV RWY 29 -1
15 MAY 2025

DUBROVNIK / Rudjer Boskovic (LDDU)

SIPAL 2Y SIPAL 1L NETKO 1Y NETKO 1L
MOKUN 2Y BEVIS 2Y AIOSA 2Y ORAKA 2Y

RNAV RWY 29

CHANGE: TMAs classification vertical limits; Notes; Editorial.



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RNAV RWY 29 SIPAL 2Y MOKUN 2Y SIPAL 1L BEVIS 2Y NETKO 1Y AIOSA 2Y NETKO 1L ORAKA 2Y

LDDU RNAV STANDARD ARRIVAL RWY 29

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SIPAL 2Y	IF	SIPAL	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	DU717	-	161° (164.7°T)	4°E	17.4	-	+8000	-	-	
030		TF	DU716	-	161° (164.8°T)	4°E	19.1	-	-	-	-	
040		TF	DU715	-	114° (117.6°T)	4°E	18.3	-	-	-	-	
050		TF	DU714	-	114° (117.8°T)	4°E	7.0	-	-	-	-	
060		TF	DU713	-	114° (117.9°T)	4°E	9.5	-	-FL160	-230	-	
070		TF	DU712	-	024° (028.0°T)	4°E	7.0	L	-	-	-	
080		TF	DU711	-	294° (298.1°T)	4°E	9.5	L	-	-	-	
090		TF	DU710	-	294° (298.0°T)	4°E	7.0	-	-	-	-	
100		TF	DU709	-	024° (027.9°T)	4°E	7.0	R	-	-	-	
110		TF	DU701	-	114° (117.9°T)	4°E	7.0	R	-	-	-	
120		TF	OLEGU	-	114° (118.0°T)	4°E	9.5	-	+4000	-	IAF	
010	SIPAL 1L	IF	SIPAL	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	DU721	-	141° (144.8°T)	4°E	16.4	-	+8000	-	-	
030		TF	DU718	-	141° (144.9°T)	4°E	11.5	-	-	-	-	
040		TF	DU709	-	114° (117.7°T)	4°E	18.3	-	-	-	-	
050		TF	DU701	-	114° (117.9°T)	4°E	7.0	-	-	-	-	
060		TF	OLEGU	-	114° (118.0°T)	4°E	9.5	-	+4000	-	IAF	

CHANGE: TMAs classification vertical limits; Notes; Editorial.

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DUBROVNIK / Rudjer Boskovic (LDDU)

SIPAL 2Y MOKUN 2Y SIPAL 1L BEVIS 2Y NETKO 1Y AIOSA 2Y NETKO 1L ORAKA 2Y RNAV RWY 29

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	NETKO 1Y	IF	NETKO	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	NERRA	-	208° (212.5°T)	4°E	9.7	-	+5000	-	-	
030		TF	DU718	-	204° (207.7°T)	4°E	10.1	-	-	-	-	
040		TF	DU716	-	204° (207.7°T)	4°E	14.0	-	-	-	-	
050		TF	DU715	-	114° (117.6°T)	4°E	18.3	L	-	-	-	
060		TF	DU714	-	114° (117.8°T)	4°E	7.0	-	-	-	-	
070		TF	DU713	-	114° (117.9°T)	4°E	9.5	-	-FL160	-230	-	
080		TF	DU712	-	024° (028.0°T)	4°E	7.0	L	-	-	-	
090		TF	DU711	-	294° (298.1°T)	4°E	9.5	L	-	-	-	
100		TF	DU710	-	294° (298.0°T)	4°E	7.0	-	-	-	-	
110		TF	DU709	-	024° (027.9°T)	4°E	7.0	R	-	-	-	
120		TF	DU701	-	114° (117.9°T)	4°E	7.0	R	-	-	-	
130		TF	OLEGU	-	114° (118.0°T)	4°E	9.5	-	+4000	-	IAF	
010	NETKO 1L	IF	NETKO	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	NERRA	-	208° (212.5°T)	4°E	9.7	-	+5000	-	-	
030		TF	DU718	-	204° (207.7°T)	4°E	10.1	-	-	-250	-	
040		TF	DU709	-	114° (117.7°T)	4°E	18.3	L	-	-	-	
050		TF	DU701	-	114° (117.9°T)	4°E	7.0	-	-	-	-	
060		TF	OLEGU	-	114° (118.0°T)	4°E	9.5	-	+4000	-	IAF	

CHANGE: TMAs classification vertical limits; Notes; Editorial.

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RNAV RWY 29 — SIPAL 2Y MOKUN 2Y — SIPAL 1L BEVIS 2Y — NETKO 1Y AIOSA 2Y — NETKO 1L ORAKA 2Y

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	MOKUN 2Y	IF	MOKUN	-	-	4°E	-	-	-	-250	-	
020		TF	DU720	-	236° (239.7°T)	4°E	7.3	-	+8500	-	-	
030		TF	DU719	-	236° (239.6°T)	4°E	7.3	-	-	-	-	
040		TF	DU712	-	294° (298.2°T)	4°E	7.0	-	-	-	-	
050		TF	DU711	-	294° (298.1°T)	4°E	9.5	-	-	-	-	RNAV 1
060		TF	DU710	-	294° (298.0°T)	4°E	7.0	-	-	-230	-	
070		TF	DU709	-	024° (027.9°T)	4°E	7.0	R	-	-	-	
080		TF	DU701	-	114° (117.9°T)	4°E	7.0	R	-	-	-	
090		TF	OLEGU	-	114° (118.0°T)	4°E	9.5	-	+4000	-	IAF	
010	BEVIS 2Y	IF	BEVIS	-	-	4°E	-	-	-	-	-	
020		TF	DU713	-	332° (335.7°T)	4°E	22.8	-	-FL160	-230	-	
030		TF	DU712	-	024° (028.0°T)	4°E	7.0	-	-	-	-	
040		TF	DU711	-	294° (298.1°T)	4°E	9.5	L	-	-	-	
050		TF	DU710	-	294° (298.0°T)	4°E	7.0	-	-	-	-	RNAV 1
060		TF	DU709	-	024° (027.9°T)	4°E	7.0	R	-	-	-	
070		TF	DU701	-	114° (117.9°T)	4°E	7.0	R	-	-	-	
080		TF	OLEGU	-	114° (118.0°T)	4°E	9.5	-	+4000	-	IAF	

CHANGE: TMAs classification vertical limits; Notes; Editorial.

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SIPAL 2Y MOKUN 2Y | SIPAL 1L BEVIS 2Y | NETKO 1Y AIOSA 2Y | NETKO 1L ORAKA 2Y | RNAV RWY 29

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	AIOSA 2Y	IF	AIOSA	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	DU714	-	039° (043.5°T)	4°E	35.3	-	-	-250	-	
030		TF	DU713	-	114° (117.9°T)	4°E	9.5	-	-FL160	-230	-	
040		TF	DU712	-	024° (028.0°T)	4°E	7.0	L	-	-	-	
050		TF	DU711	-	294° (298.1°T)	4°E	9.5	L	-	-	-	
060		TF	DU710	-	294° (298.0°T)	4°E	7.0	-	-	-	-	
070		TF	DU709	-	024° (027.9°T)	4°E	7.0	R	-	-	-	
080		TF	DU701	-	114° (117.9°T)	4°E	7.0	R	-	-	-	
090		TF	OLEGU	-	114° (118.0°T)	4°E	9.5	-	+4000	-	IAF	
010	ORAKA 2Y	IF	ORAKA	-	-	4°E	-	-	+5000	-	-	RNAV 1
020		TF	DU715	-	107° (110.8°T)	4°E	21.6	-	-	-	-	
030		TF	DU714	-	114° (117.8°T)	4°E	7.0	-	-	-	-	
040		TF	DU713	-	114° (117.9°T)	4°E	9.5	-	-FL160	-230	-	
050		TF	DU712	-	024° (028.0°T)	4°E	7.0	L	-	-	-	
060		TF	DU711	-	294° (298.1°T)	4°E	9.5	L	-	-	-	
070		TF	DU710	-	294° (298.0°T)	4°E	7.0	-	-	-	-	
080		TF	DU709	-	024° (027.9°T)	4°E	7.0	R	-	-	-	
090		TF	DU701	-	114° (117.9°T)	4°E	7.0	R	-	-	-	
100		TF	OLEGU	-	114° (118.0°T)	4°E	9.5	-	+4000	-	IAF	

CHANGE: TMAs classification vertical limits; Notes; Editorial.

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RNAV RWY 29 — SIPAL 2Y MOKUN 2Y, SIPAL 1L BEVIS 2Y, NETKO 1Y AIOSA 2Y, NETKO 1L ORAKA 2Y

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ Distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
OLEGU	HM	114° (118.0°T)	1 MIN / -	R	4000	-	230	4°E	-	RNAV 1
DU718	HM	141° (144.9°T)	1 MIN / -	R	4000	-	250	4°E	-	RNAV 1
ORAKA	HM	089° (093.2°T)	1 MIN / -	R	5000	-	250	4°E	-	RNAV 1
DU713	HM	024° (028.0°T)	1 MIN / -	R	4000	-	250	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
AIOSA	415542N	0171454E
BEVIS	415558N	0181140E
MOKUN	422701N	0182848E
NERRA	425418.5N	0173236.3E
NETKO	430230N	0173942E
OLEGU	422906.1N	0180754.0E
ORAKA	423213N	0171202E
SIPAL	430812N	0170425E
DU701	423335.4N	0175631.1E
DU709	423652.4N	0174808.8E
DU710	423041.0N	0174343.0E
DU711	422724.4N	0175204.7E
DU712	422255.4N	0180326.8E
DU713	421644.6N	0175900.4E
DU714	422113.1N	0174739.1E
DU715	422429.4N	0173918.0E
DU716	423258.7N	0171726.8E
DU717	425122.8N	0171040.0E
DU718	424523.4N	0172614.5E
DU719	421937.4N	0181146.4E
DU720	422319.4N	0182016.7E
DU721	425448.0N	0171716.6E

CHANGE: TMAs classification vertical limits; Notes; Editorial.

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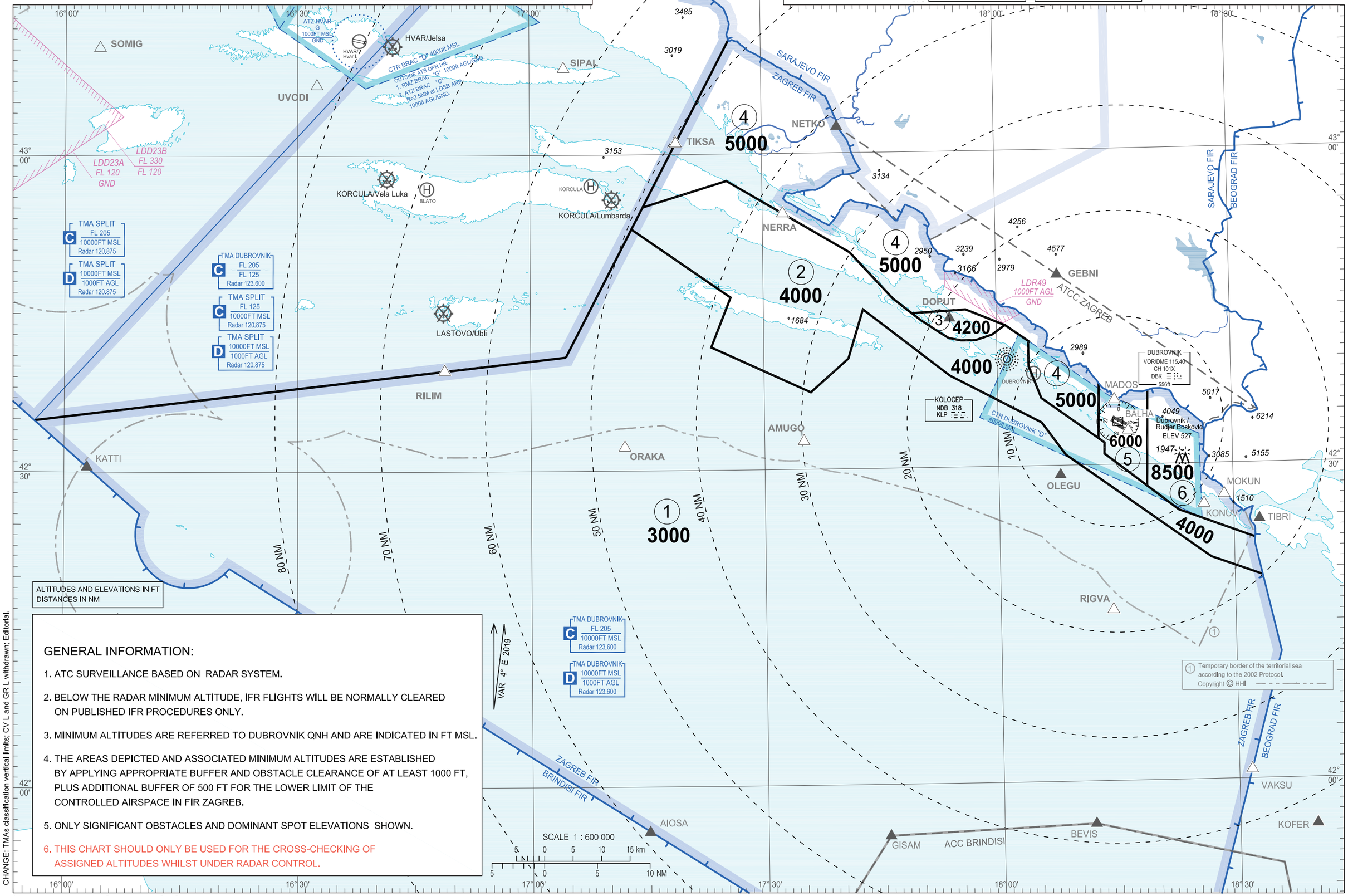
ATC SURVEILLANCE MINIMUM ALTITUDE CHART - ICAO

TRANSITION ALTITUDE 10 000

AD ELEV 527 ft

DUBROVNIK ATIS 118.425
DUBROVNIK RADAR 123.600
DUBROVNIK TOWER 129.500
DUBROVNIK DELIVERY 125.400

DUBROVNIK / Rudjer Boskovic (LDDU)



GENERAL INFORMATION:

1. ATC SURVEILLANCE BASED ON RADAR SYSTEM.
2. BELOW THE RADAR MINIMUM ALTITUDE, IFR FLIGHTS WILL BE NORMALLY CLEARED ON PUBLISHED IFR PROCEDURES ONLY.
3. MINIMUM ALTITUDES ARE REFERRED TO DUBROVNIK QNH AND ARE INDICATED IN FT MSL.
4. THE AREAS DEPICTED AND ASSOCIATED MINIMUM ALTITUDES ARE ESTABLISHED BY APPLYING APPROPRIATE BUFFER AND OBSTACLE CLEARANCE OF AT LEAST 1000 FT, PLUS ADDITIONAL BUFFER OF 500 FT FOR THE LOWER LIMIT OF THE CONTROLLED AIRSPACE IN FIR ZAGREB.
5. ONLY SIGNIFICANT OBSTACLES AND DOMINANT SPOT ELEVATIONS SHOWN.
6. THIS CHART SHOULD ONLY BE USED FOR THE CROSS-CHECKING OF ASSIGNED ALTITUDES WHILST UNDER RADAR CONTROL.

CHANGE: TMAs classification vertical limits; CV L and GR L withdrawn; Editorial.

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	WGS-84 latitude	*WGS-84 longitude*
SECTOR 1	423454N	0155610E
	423929N	0164827E
	424048N	0170431E
	425000N	0171101E
	425256N	0171305E
	424623N	0172548E
	424139N	0172315E
	423718N	0173600E
	424028N	0174053E
	424506N	0174250E
	423840N	0175357E
	423406N	0180534E
	423100N	0180837E
	422104N	0182701E
	421918N	0183331E
	along FIR BDRY ZAGREB -BEOGRAD	
	412501N	0181842E
	along FIR BDRY ZAGREB -BRINDISI	
	423454N	0155610E

	WGS-84 latitude	*WGS-84 longitude*
SECTOR 2	425256N	0171305E
	425500N	0171433E
	425727N	0172524E
	425033N	0174111E
	424603N	0174646E
	424440N	0174908E
	424358N	0175020E
	424245N	0175246E
	424215N	0175351E
	424201N	0175524E
	424201N	0175718E
	424231N	0175925E
	424324N	0180104E
	424148N	0180409E
	424138N	0180401E
	423926N	0180402E
	423625N	0180536E
	423230N	0181251E
	423206N	0181336E
	423101N	0181334E
	422755N	0181858E
	422535N	0182258E
	422252N	0183239E
	along FIR BDRY ZAGREB -BEOGRAD	
	421918N	0183331E
	422104N	0182701E
	423100N	0180837E
	423406N	0180534E
	423840N	0175357E
	424506N	0174250E
	424028N	0174053E
	423718N	0173600E
	424139N	0172315E
	424623N	0172548E
	425256N	0171305E

	WGS-84 latitude	WGS-84 longitude
SECTOR 3	424440N	0174908E
	424457N	0175602E
	424324N	0180104E
	424231N	0175925E
	424201N	0175718E
	424201N	0175524E
	424215N	0175351E
	424245N	0175246E
	424358N	0175020E
	424440N	0174908E

	WGS-84 latitude	*WGS-84 longitude*
SECTOR 4	431049N	0172551E
	along FIR BDRY ZAGREB -SARAJEVO	
	423743N	0181259E
	423230N	0181251E
	423625N	0180536E
	423926N	0180402E
	424138N	0180401E
	424148N	0180409E
	424324N	0180104E
	424457N	0175602E
	424440N	0174908E
	424603N	0174646E
	425033N	0174111E
	425727N	0172524E
	425500N	0171433E
	425908N	0171730E
	431049N	0172551E

	WGS-84 latitude	*WGS-84 longitude*
SECTOR 5	423743N	0181259E
	along FIR BDRY ZAGREB -SARAJEVO	
	423659N	0181913E
	422755N	0181858E
	423101N	0181334E
	423206N	0181336E
	423230N	0181251E
	423743N	0181259E

	WGS-84 latitude	*WGS-84 longitude*
SECTOR 6	423659N	0181913E
	along FIR BDRY ZAGREB -SARAJEVO	
	along FIR BDRY ZAGREB -BEOGRAD	
	422252N	0183239E
	422535N	0182258E
	422755N	0181858E
	423659N	0181913E

CHANGE: TMAs classification vertical limits; CV L and GR L withdrawn; Editorial.

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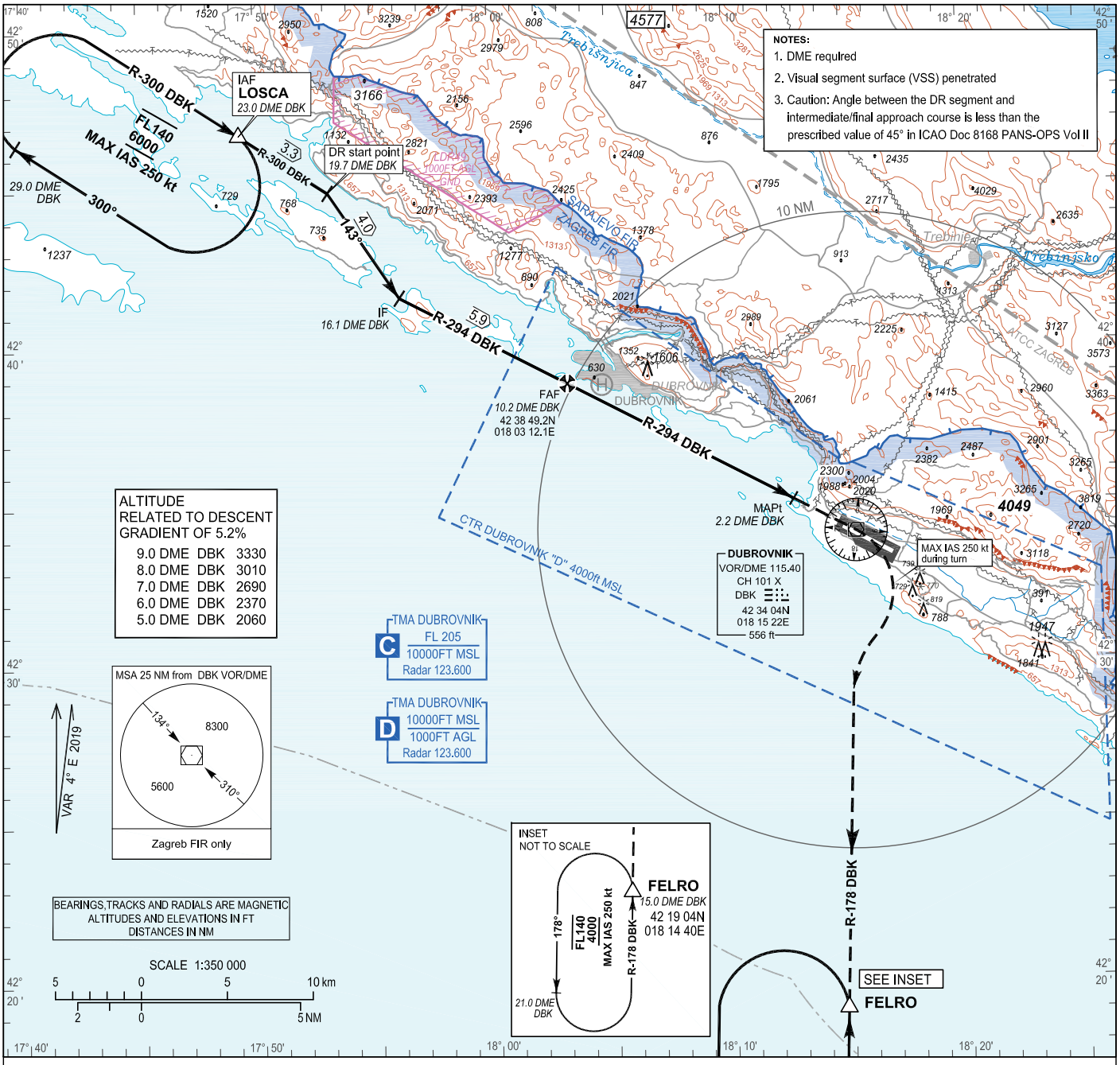
INSTRUMENT APPROACH CHART-ICAO

AD ELEV 527
HEIGHTS RELATED TO THR RWY 11 ELEV 519

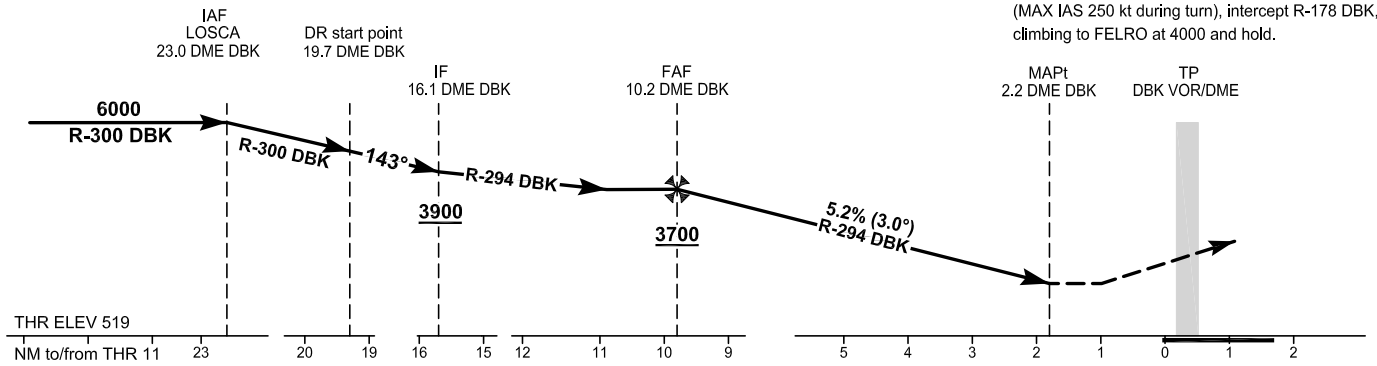
DUBROVNIK ATIS	118.425
DUBROVNIK RADAR	123.600
DUBROVNIK TOWER	129.500
DUBROVNIK DELIVERY	125.400

DUBROVNIK / Rudjer Boskovic (LDDU)

VOR RWY 11



TRANSITION ALT 10 000



MISSED APPROACH:
Climb on R-294 DBK. At DBK VOR/DME turn RIGHT (MAX IAS 250 kt during turn), intercept R-178 DBK, climbing to FELRO at 4000 and hold.

OCA(H)	A	B	C	D
Straight - in Approach	1950 (1440)	1980 (1470)	2000 (1490)	2010 (1500)

TIMING NOT AUTHORIZED FOR DEFINING THE MAPt							
GS(kt)	70	90	100	120	140	160	180
Rate of descent (ft / min)	372	478	531	637	743	850	956

CHANGE: TMA classification vertical limits; Editorial.

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DUBROVNIK / Rudjer Boskovic (LDDU)

VOR RWY 11

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
VOR RWY 11			
Final approach descent angle: 3.00°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF LOSCA	42 46 44.2N 017 49 20.7E	303.58° (DBK VOR)	23.00 DME DBK
DR start point	42 44 54.9N 017 53 06.3E	303.58° (DBK VOR)	19.69 DME DBK
IF	42 41 34.9N 017 56 06.5E	297.99° (DBK VOR)	16.08 DME DBK
FAF	42 38 49.2N 018 03 12.1E	297.99 (DBK VOR)	10.17DME DBK
MAPt	42 35 05.3N 018 12 44.5E	297.99° (DBK VOR)	2.20 DME DBK
TP (DBK VOR/DME)	42 34 03.53N 018 15 22.00E	-	-

CHANGE: TMA classification vertical limits; Editorial.

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INSTRUMENT APPROACH CHART-ICAO

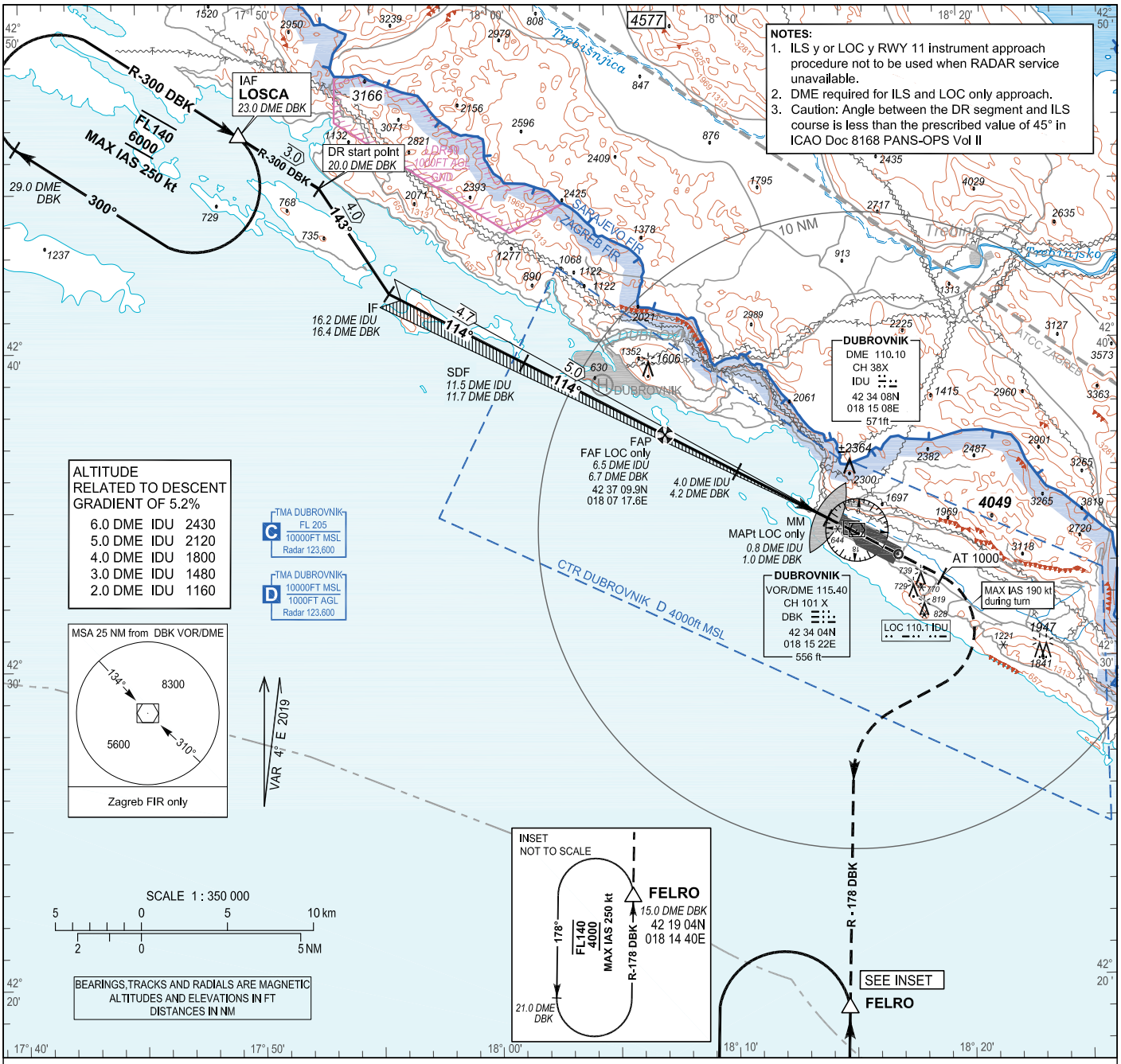
AD ELEV 527
HEIGHTS RELATED TO THR RWY 11 ELEV 519

DUBROVNIK ATIS	118.425
DUBROVNIK RADAR	123.600
DUBROVNIK TOWER	129.500
DUBROVNIK DELIVERY	125.400

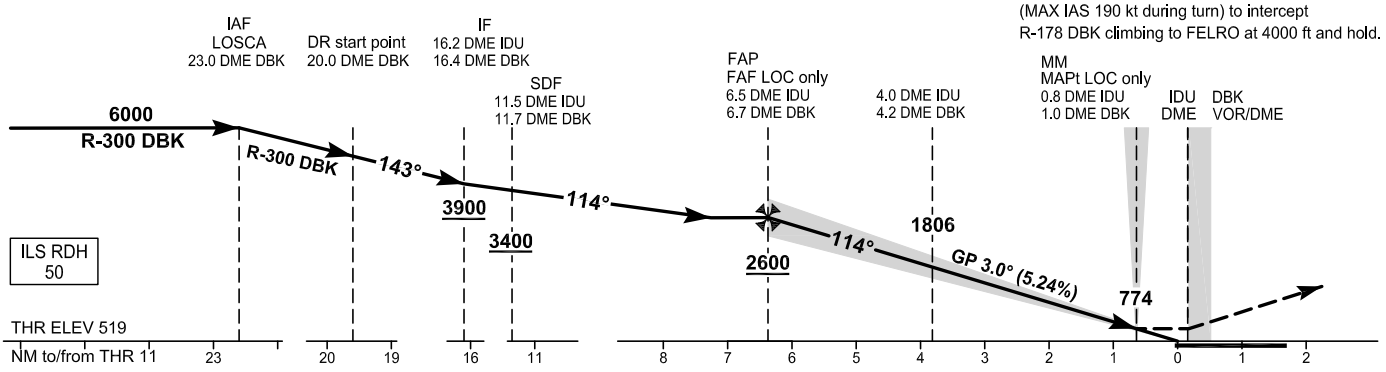
DUBROVNIK / Rudjer Boskovic (LDDU)

ILS y or LOC y RWY 11

NOTES:
1. ILS y or LOC y RWY 11 instrument approach procedure not to be used when RADAR service unavailable.
2. DME required for ILS and LOC only approach.
3. Caution: Angle between the DR segment and ILS course is less than the prescribed value of 45° in ICAO Doc 8168 PANS-OPS Vol II



TRANSITION ALT 10 000



MISSED APPROACH:
Climb straight ahead. At 1000 ft turn RIGHT (MAX IAS 190 kt during turn) to intercept R-178 DBK climbing to FELRO at 4000 ft and hold.

OCA(H)		A	B	C	D
Straight-in Approach	ILS CAT I press. altim.	677 (158)	687 (168)	697 (178)	710 (191)
	LOC only	880 (370)			

Timing not authorized for defining the MAPt							
GS (kt)	70	90	100	120	140	160	180
Rate of descent (ft / min)	372	478	531	637	743	850	956

CHANGE: TMA classification vertical limits; Editorial.

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DUBROVNIK / Rudjer Boskovic (LDDU)

ILS y or LOC y RWY 11

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
ILS y or LOC y RWY 11			
LOC only - final approach descent angle: 3.00°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF LOSCA	42 46 44.2N 017 49 20.7E	303.58° (DBK VOR)	23.00 DME DBK
DR start point	42 45 05.3N 017 52 44.9E	303.58° (DBK VOR)	20.00 DME DBK
IF	42 41 43.7N 017 55 41.7E	118.21° (IDU LOC)	16.23 DME IDU 16.42 DME DBK
SDF	42 39 30.3N 018 01 21.4E	118.21° (IDU LOC)	11.50 DME DBK 11.69 DME DBK
FAF LOC only	42 37 09.9N 018 07 17.6E	118.21° (IDU LOC)	6.53 DME IDU 6.72 DME DBK
MAPt LOC only (MM11)	42 34 27.81N 018 14 08.83E	118.21° (IDU LOC)	0.80 DME IDU 0.99 DME DBK

CHANGE: TMA classification vertical limits; Editorial.

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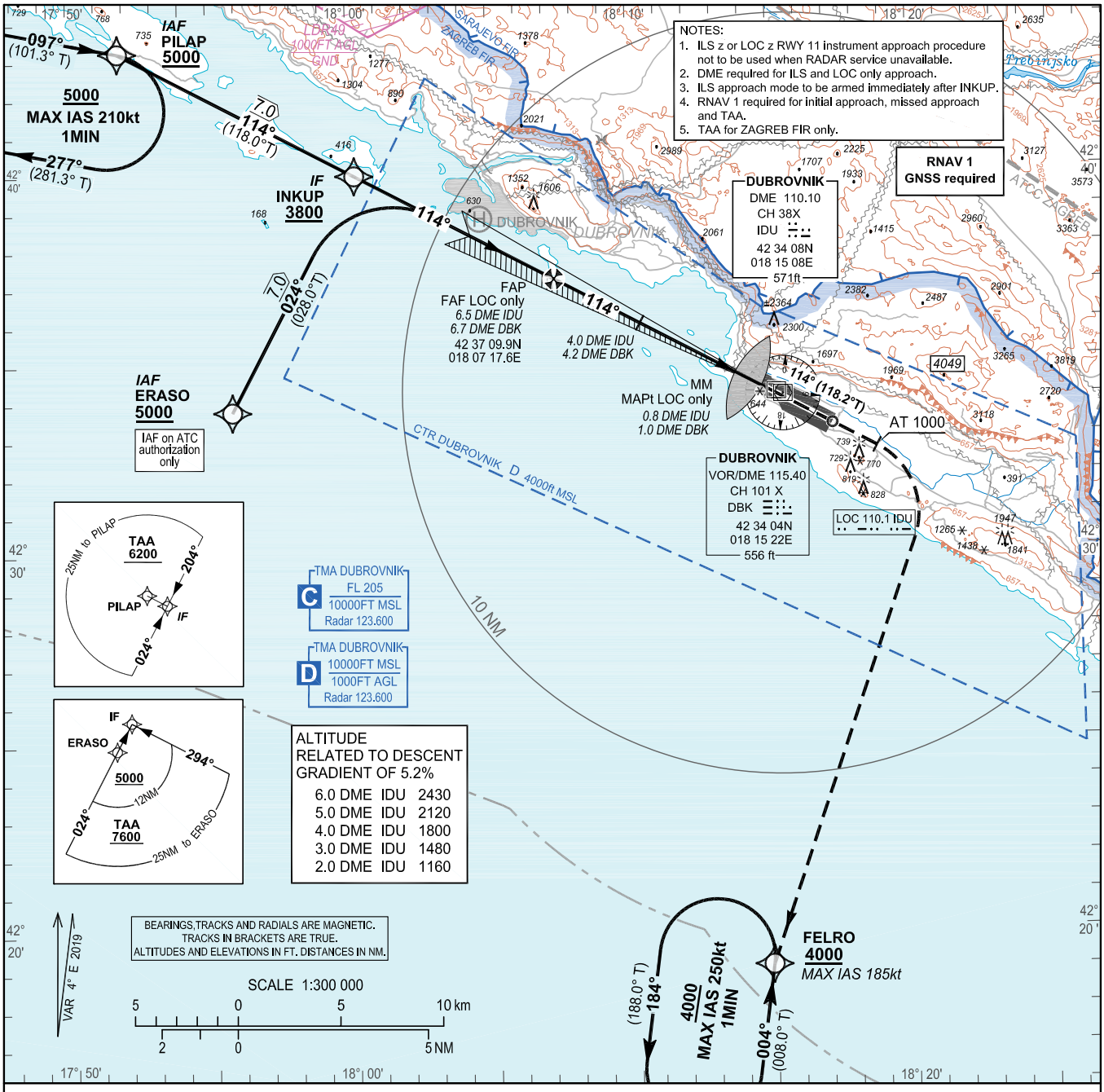
INSTRUMENT APPROACH CHART-ICAO

AD ELEV 527
HEIGHTS RELATED TO THR RWY 11 ELEV 519

DUBROVNIK ATIS	118.425
DUBROVNIK RADAR	123.600
DUBROVNIK TOWER	129.500
DUBROVNIK DELIVERY	125.400

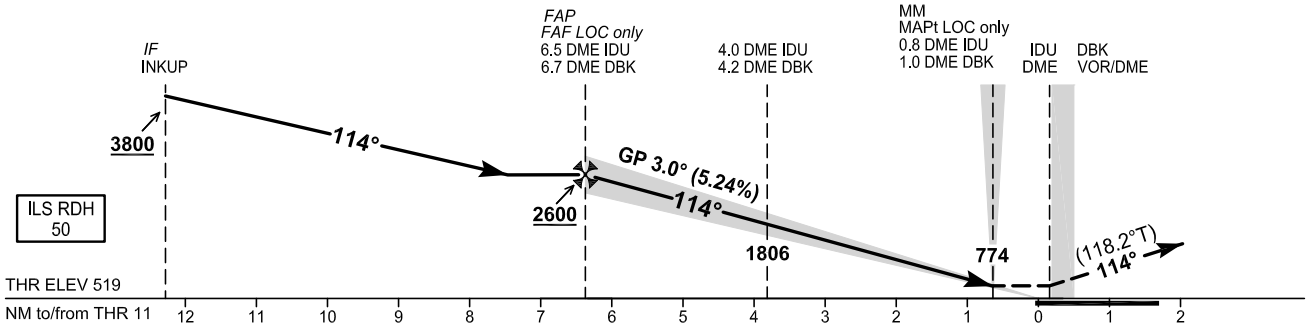
DUBROVNIK / Rudjer Boskovic (LDDU)

ILS z or LOC z RWY 11
(RNAV 1 to ILS or LOC transition)



TRANSITION ALT 10 000

MISSED APPROACH:
Climb straight ahead. At 1000 ft turn RIGHT direct to FELRO (MAX IAS 185 kt), climbing to 4000 ft and hold.



OCA (H)		A	B	C	D
Straight-in Approach	ILS CAT I press. altim.	677 (158)	687 (168)	721 (202)	730 (211)
	LOC only	880 (370)			

Timing not authorized for defining the MAPt.							
GS (kt)	70	90	100	120	140	160	180
Rate of descent (ft / min)	372	478	531	637	743	850	956

CHANGE: TMA classification vertical limits; Editorial.

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DUBROVNIK / Rudjer Boskovic (LDDU)
ILS z or LOC z RWY 11
(RNAV 1 to ILS or LOC transition)

LDDU ILS z or LOC z RWY 11 (RNAV 1 to ILS or LOC transition)

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	ERASO	-	-	4°E	-	-	+5000	-	-	IAF on ATC authorization only	RNAV 1
020	IF	TF	INKUP	-	024° (028.0°T)	4°E	7.0	-	+3800	-	-	-	
010	IAF	IF	PILAP	-	-	4°E	-	-	+5000	-	-	-	RNAV 1
020	IF	TF	INKUP	-	114° (118.0°T)	4°E	7.0	-	+3800	-	-	-	

AERONAUTICAL DATABASE REQUIREMENTS

Conventional procedure essential fixes/points

ILS z or LOC z RWY 11

LOC only - final approach descent angle: 3.00°

Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IF (INKUP)	42 39 56.6N 018 00 14.4E	-	-
FAF LOC only	43 37 09.9N 018 07 17.6E	118.21° (IDU LOC)	6.53 DME IDU 6.72 DME DBK
MAPt LOC only (MM 11)	42 34 27.81N 018 14 08.83E	118.21° (IDU LOC)	0.80 DME IDU 0.99 DME DBK

LDDU ILS z or LOC z RWY 11 (RNAV 1 to ILS or LOC transition)

Proposed tabular description for navigation database coding - FINAL TRANSITION (MISSED APPROACH)

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	-	CA	-	-	114° (118.2°)	4°E	-	-	@1000	-	-	-	RNAV 1
020	MAHF	DF	FELRO	-	-	4°E	-	R	@4000	-185	-	-	
030	MAHF	HM	FELRO	-	004° (008.0°T)	4°E	1 MIN	L	@4000	-250	-	-	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path Term-inator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
PILAP	HM	097° (101.3°T)	1 MIN / -	R	5000	-	210	4°E	-	RNAV 1
FELRO	HM	004° (008.0°T)	1 MIN / -	L	4000	-	250	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
ERASO	423345.7N	0175547.1E
FELRO	421903.7N	0181440.4E
INKUP	423956.6N	0180014.4E
PILAP	424313.8N	0175151.5E

CHANGE: TMA classification vertical limits; Editorial.

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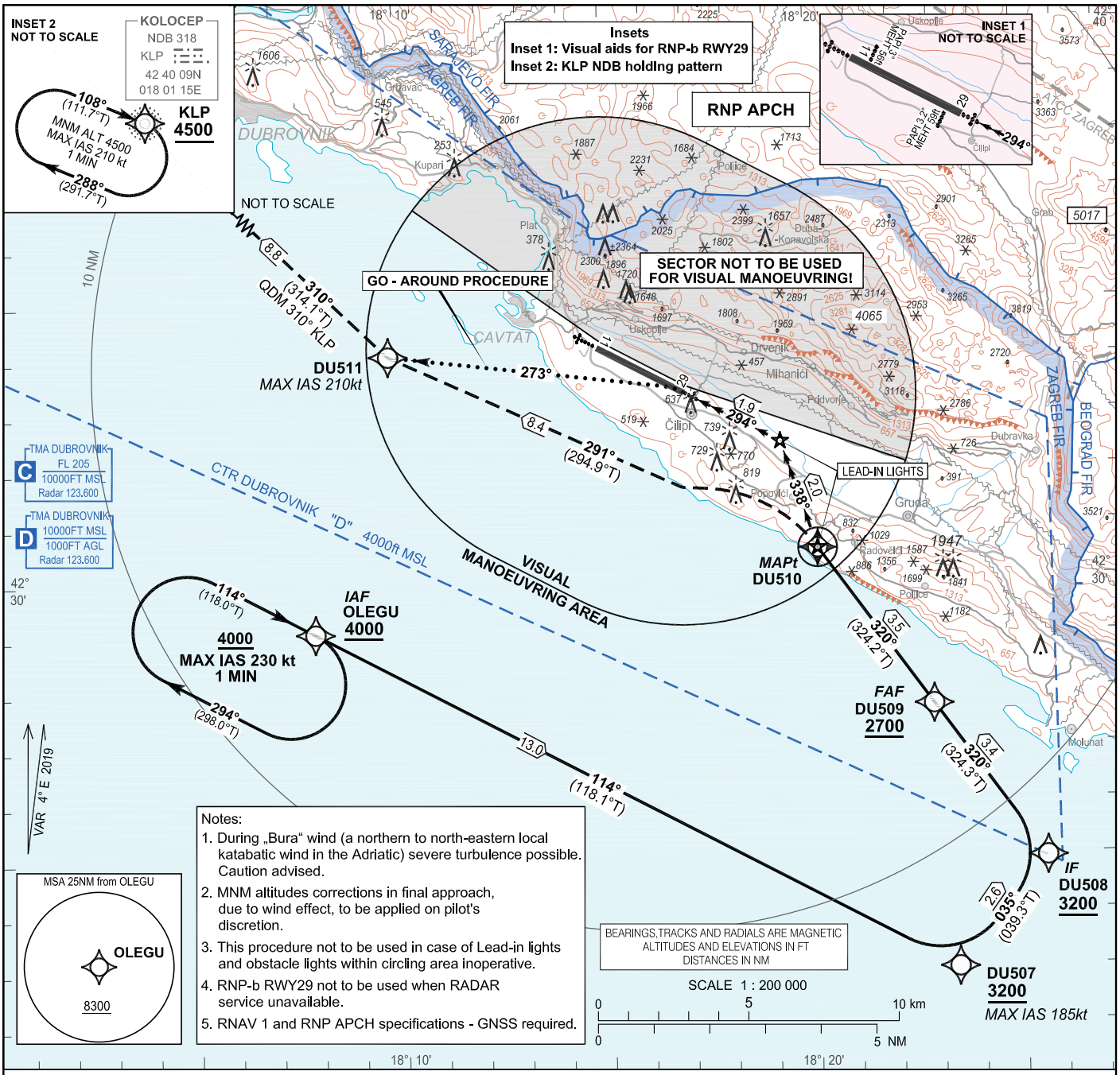
INSTRUMENT APPROACH CHART-ICAO
(CIRCLING WITH PRESCRIBED TRACKS)

AD ELEV 527
HEIGHTS RELATED TO AD ELEV 527

DUBROVNIK ATIS	118.425
DUBROVNIK RADAR	123.600
DUBROVNIK TOWER	129.500
DUBROVNIK DELIVERY	125.400

DUBROVNIK / Rudjer Boskovic (LDDU)

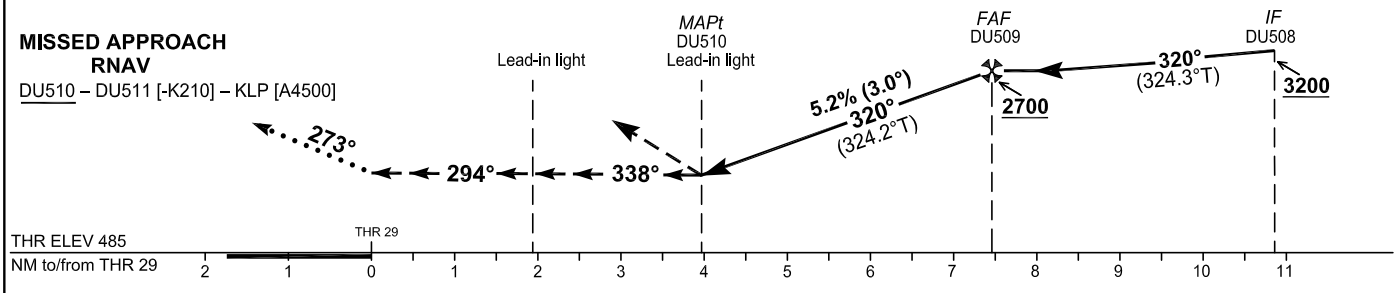
RNP-b RWY 29



Notes:
1. During „Bura“ wind (a northern to north-eastern local katabatic wind in the Adriatic) severe turbulence possible. Caution advised.
2. MNM altitudes corrections in final approach, due to wind effect, to be applied on pilot's discretion.
3. This procedure not to be used in case of Lead-in lights and obstacle lights within circling area inoperative.
4. RNP-b RWY29 not to be used when RADAR service unavailable.
5. RNAV 1 and RNP APCH specifications - GNSS required.

TRANSITION ALT 10 000

MISSED APPROACH
RNAV
DU510 – DU511 [-K210] – KLP [A4500]



OCA(H)	A	B	C
Circling	1620 (1100)		

NOTE: Circling NE of aerodrome not allowed.

See special notes to Aircraft Operators on page 3.

CIRCLING PROCEDURE:
Execute a published instrument approach procedure to circling OCA/H for relevant ACFT CAT, proceed VISUALLY on tracks and distances given on the chart above.

GO - AROUND PROCEDURE :
Above THR 29, at the latest, turn LEFT onto track 273°.
Intercept QDM 310° KLP to KLP NDB climbing to 4500 and hold.

CHANGE: TMA classification vertical limits; GR L withdrawn; Profile view and Special notes updated; Editorial.

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DUBROVNIK / Rudjer Boskovic (LDDU)

RNP-b RWY 29

LDDU RNP-b RWY29

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	OLEGU	-	-	4°E	-	-	+4000	-	-	-	RNP APCH
020	-	TF	DU507	-	114° (118.1°T)	4°E	13.0	-	+3200	-185	-	-	
030	IF	TF	DU508	-	035° (039.3°T)	4°E	2.6	-	+3200	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	DU508	-	-	4°E	-	-	+3200	-	-	-	RNP APCH
020	FAF	TF	DU509	-	320° (324.3°T)	4°E	3.4	-	+2700	-	-	-	
030	MAPt	TF	DU510	Y	320° (324.2°T)	4°E	3.5	-	-	-	3.0 / -	-	
040	-	TF	DU511	-	291° (294.9°T)	4°E	8.4	-	-	-210	-	-	
050	MAHF	TF	KLP	-	310° (314.1°T)	4°E	8.8	-	+4500	-	-	-	
060	MAHF	HM	KLP	-	108° (111.7°T)	4°E	1MIN	R	+4500	-210	-	Holding above 4500t on ATC clearance only	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path Term-inator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude FT	Maximum altitude FT	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
OLEGU	HM	114° (118.0°T)	1MIN / -	R	4000	-	230	4°E	-	RNAV 1
KLP	HM	108° (111.7°T)	1MIN / -	R	4500	-	210	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 Latitude	WGS-84 Longitude
KLP	424009.42N	0180115.07E
OLEGU	422906.1N	0180754.0E
DU507	422257.5N	0182322.4E
DU508	422456.1N	0182533.4E
DU509	422741.7N	0182252.4E
DU510	423031.4N	0182007.0E
DU511	423404.3N	0180946.2E

CHANGE: TMA classification vertical limits; GR L withdrawn; Profile view and Special notes updated; Editorial.

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SPECIAL NOTES
CIRCLING WITH PRESCRIBED TRACKS

RNP-b RWY 29

The following requirements and SPECIAL NOTES contain information which shall be consider before practise and operating LDDU RNP-b RWY 29 procedure:

- Consider specific orography, mountainous terrain in vicinity of AD Dubrovnik and the requirements for visual segment
- Usage of Lead-in lights and PAPI at night operations are mandatory
- This procedure not be used in case of lead-in lights and obstacle lights within circling area inoperative
- The procedure to be used when the tailwind component for approach RWY 11 exceeds the operational limits for landing: for particular type of aircraft
- During „Bura“ wind (a northern to north-eastern local katabatic wind in the Adriatic) severe turbulence possible. Caution advised
- During daylight hours use of standard visual approach for RWY 29 is recommended.

CHANGE: TMA classification vertical limits; GR L withdrawn; Profile view and Special notes updated; Editorial.

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INSTRUMENT APPROACH
CHART-ICAO

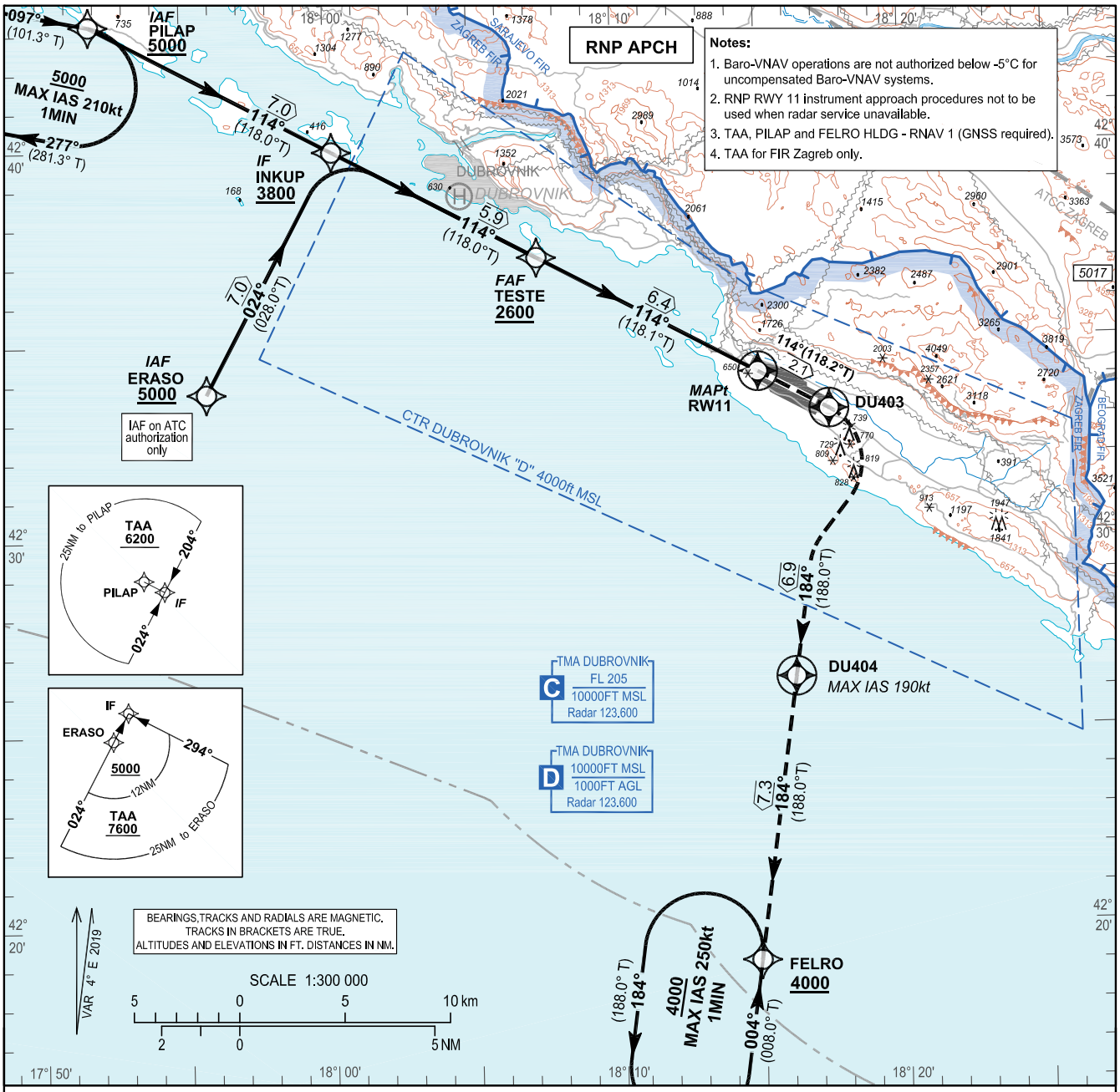
DUBROVNIK / Rudjer Boskovic (LDDU)

AD ELEV 527
HEIGHTS RELATED
TO THR RWY 11 - ELEV 519

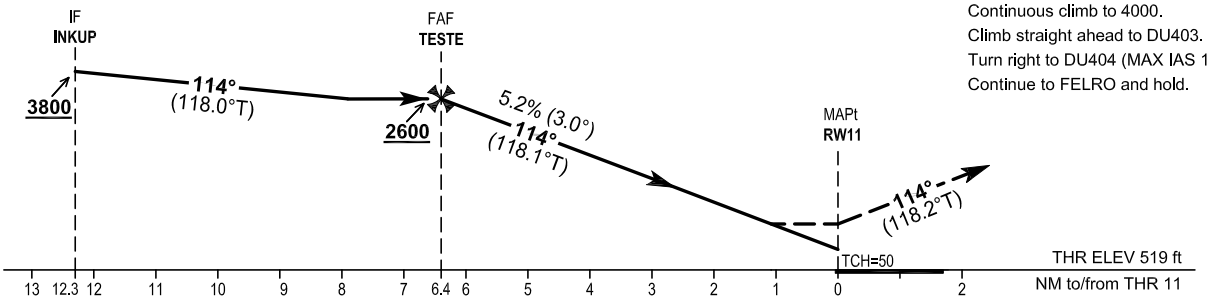
SBAS
CH: 66752
E11A

DUBROVNIK ATIS	118.425
DUBROVNIK RADAR	123.600
DUBROVNIK TOWER	129.500
DUBROVNIK DELIVERY	125.400

RNP RWY 11



TRANSITION ALTITUDE 10 000



MISSED APPROACH:
Continuous climb to 4000.
Climb straight ahead to DU403.
Turn right to DU404 (MAX IAS 190 kt).
Continue to FELRO and hold.

OCA (H)		A	B	C	D
Straight- in approach	LPV 2.5 %	1598 (1079)	1608 (1089)	1618 (1099)	1628 (1109)
	LPV 4.0 %	782 (263)	792 (273)	801 (282)	811 (292)
	LNAV / VNAV	1460 (941)	1560 (1041)	1720 (1201)	1745 (1226)
	LNAV 2.5 %	1730 (1211)	1900 (1381)	2130 (1611)	2150 (1631)
	LNAV 4.0 %	1730 (1211)	1730 (1211)	1830 (1311)	1860 (1341)

DIST to MAPt (RW11)	NM	6	5	4	3	2	1
Altitude	ft	2490	2170	1850	1530	1210	890

Timing not authorized for defining the MAPt								
GS	kt	70	90	100	120	140	160	180
Rate of descent (5.24%)	ft/min	372	478	531	637	743	850	956

CHANGE: TMA classification vertical limits; Editorial.

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RNP RWY 11

Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDDU
Runway	11
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E11A
LTP/FTP Latitude	423409.2080N
LTP/FTP Longitude	0181454.2390E
LTP/FTP Ellipsoidal Height (metres)	198.6
FPAP Latitude	423320.9450N
Delta FPAP Latitude (seconds)	-48.2630
FPAP Longitude	0181655.8935E
Delta FPAP Longitude (seconds)	121.6545
Threshold Crossing Height	50.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 15 04 04 0C 0B 00 00 01 31 31 05 70 CB 44 12 3E D4 D4 07 C2 1B F2 86 FE 6D B6 03 F4 01 2C 01 64 00 C8 FA 12 6E A9 26
Calculated CRC Value	126EA926

Required Additional Data

ICAO Code	LD
LTP/FTP Orthometric Height (metres)	158.3

CHANGE: TMA classification vertical limits; Editorial.

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RNP RWY 11

LDDU RNP RWY 11

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	PILAP	-	-	4°E	-	-	+5000	-	-	-	RNP APCH
020	IF	TF	INKUP	-	114° (118.0° T)	4°E	7.0	-	+3800	-	-	-	
010	IAF	IF	ERASO	-	-	4°E	-	-	+5000	-	-	IAF on ATC authorization only	
020	IF	TF	INKUP	-	024° (028.0° T)	4°E	7.0	-	+3800	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	INKUP	-	-	4°E	-	-	+3800	-	-	-	RNP APCH
020	FAF	TF	TESTE	-	114° (118.0°T)	4°E	5.9	-	+2600	-	-	-	
030	MAPt	TF	RW11	Y	114° (118.1°T)	4°E	6.4	-	-	-	3.0 / 50	-	
040	MATF	TF	DU403	Y	114° (118.2°T)	4°E	2.1	-	-	-	-	-	
050	-	TF	DU404	Y	184° (188.0°T)	4°E	6.9	R	-	-190	-	-	
060	MAHF	TF	FELRO	-	184° (188.0°T)	4°E	7.3	-	@4000	-	-	-	
070	MAHF	HM	FELRO	-	004° (008.0°T)	4°E	1 MIN	L	@4000	-250	-	-	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
PILAP	HM	097° (101.3°T)	1 MIN / -	R	5000	-	210	4°E	-	RNAV 1
FELRO	HM	004° (008.0°T)	1 MIN / -	L	4000	-	250	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
ERASO	423345.7N	0175547.1E
FELRO	421903.7N	0181440.4E
INKUP	423956.6N	0180014.4E
PILAP	424313.8N	0175151.5E
TESTE	423709.9N	0180717.6E
RW11	423409.21N	0181454.24E
DU403	423311.0N	0181721.0E
DU404	422619.5N	0181602.8E

CHANGE: TMA classification vertical limits; Editorial.

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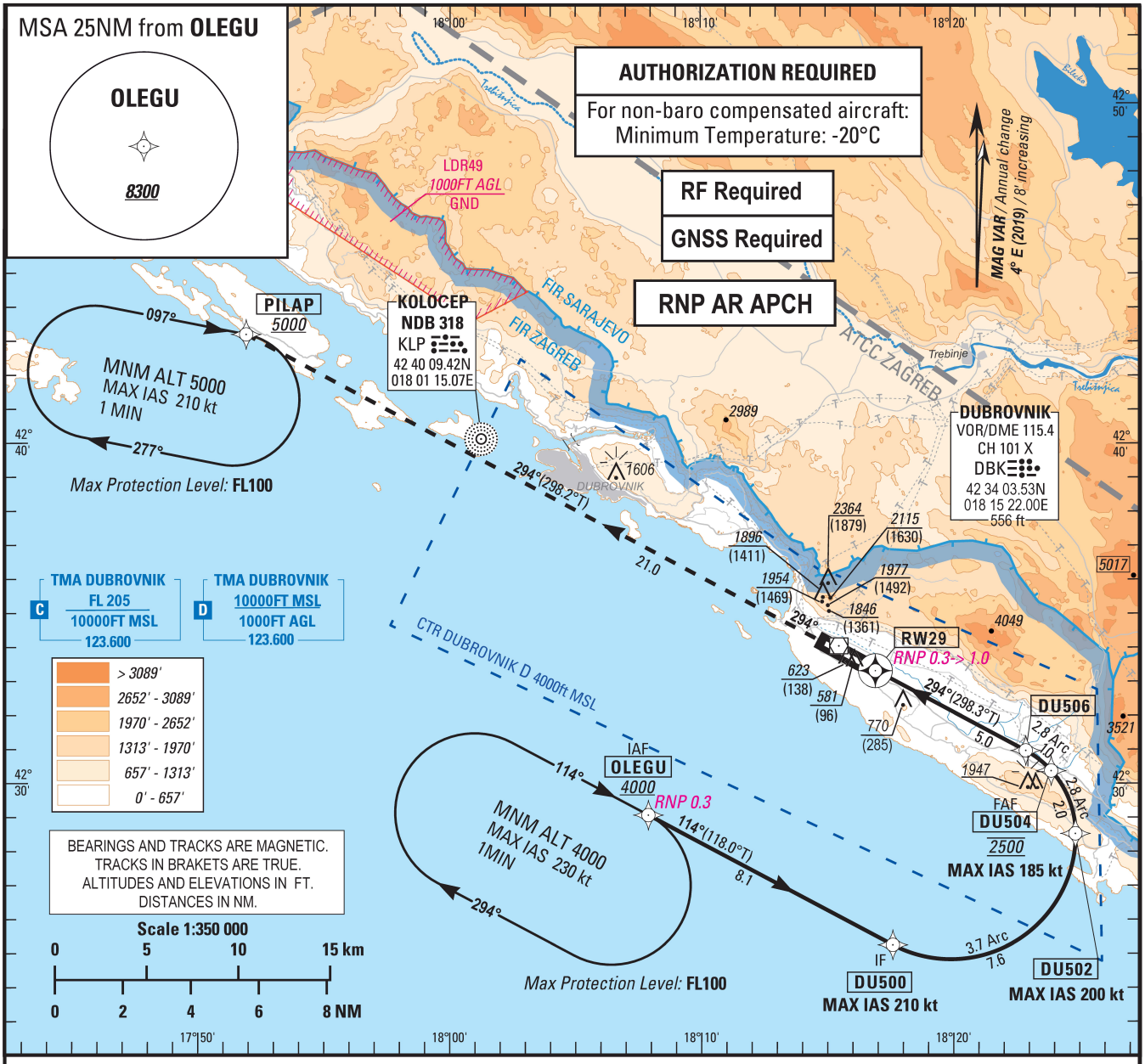
DUBROVNIK / Rudjer Boskovic (LDDU)

INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 527
HEIGHTS RELATED
TO THR RWY 29 - **ELEV 485**

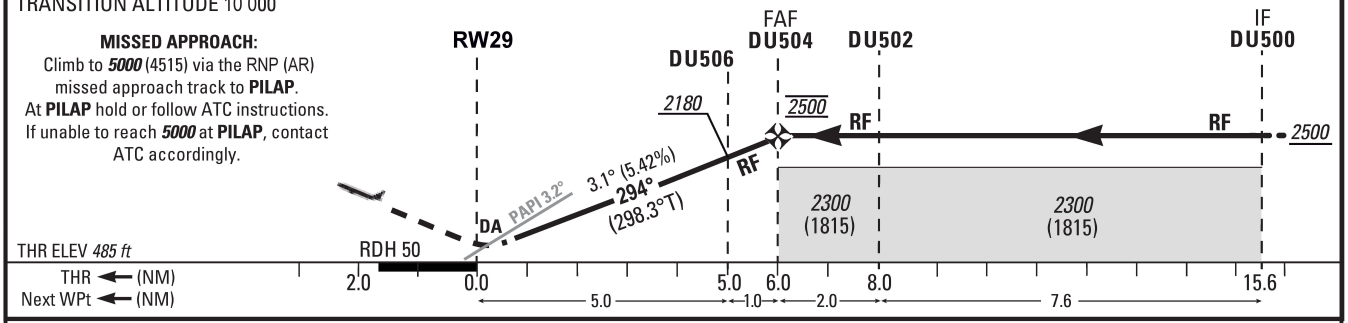
DUBROVNIK ATIS	118.425
DUBROVNIK RADAR	123.600
DUBROVNIK TOWER	129.500
DUBROVNIK DELIVERY	125.400

RNP RWY29 (AR)



TRANSITION ALTITUDE 10 000

MISSED APPROACH:
Climb to ***5000*** (4515) via the RNP (AR) missed approach track to **PILAP**.
At **PILAP** hold or follow ATC instructions.
If unable to reach ***5000*** at **PILAP**, contact ATC accordingly.



AD minima : Altitude and Height in feet. REF HGT : *THR ELEV.*

WITHOUT IRU	MA	CAT A	CAT B	CAT C	CAT D
OCA (H)	2.5%	***1740*** (1255)	***1760*** (1275)	***1780*** (1295)	***1800*** (1315)
	4.0%	***1480*** (995)	***1510*** (1025)	***1530*** (1045)	***1550*** (1065)
	5.0%	***1350*** (865)	***1380*** (895)	***1400*** (915)	***1420*** (935)

WITH IRU		CAT A		CAT B		CAT C	CAT D
		IAS MIN 70kt	IAS MIN 85kt	IAS MIN 85kt	IAS MIN 100kt		
OCA (H)	2.5%	***1740*** (1255)	***1600*** (1115)	***1620*** (1135)	***1490*** (1005)	***920*** (435)	***930*** (445)
	4.0%	***1480*** (995)	***1260*** (775)	***1290*** (805)	***920*** (435)	***920*** (435)	***930*** (445)
	5.0%	***1260*** (775)	***1130*** (645)	***1170*** (685)	***920*** (435)	***920*** (435)	***930*** (445)

Change: TMA classification vertical limits; Editorial

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RNP RWY29 (AR)

Illustrative Coding RWY29

Seq N°	PT	W/P ID	Over Fly	Fix role	TD	CRS Val (°) True	CRS Val (°) Mag	DIST NM	ALT DESC	ALT	SPD LMT	VRT ANG	NAV PERF	Nav Spec	RADIUS val NM	ARC CTR ID
10	IF	OLEGU		IAF					+	4000FT			0.3 NM	RNP AR APCH		
20	TF	DU500		IF		118.0	114	8.1			210 KT		0.3 NM	RNP AR APCH		
30	RF	DU502			L	0.0	356	7.6			200 KT		0.3 NM	RNP AR APCH	3.667	DUC01
40	RF	DU504		FAF	L	318.2	314	2.0	@	2500FT	185 KT		0.3 NM	RNP AR APCH	2.800	DUC02
50	RF	DU506			L	298.3	294	1.0				-3.1	0.3 NM	RNP AR APCH	2.800	DUC02
60	TF	RW29	Y	MAPT		298.3	294	5.0				-3.1	0.3 NM	RNP AR APCH		
70	TF	PILAP				298.2	294	21.0	@	5000FT			1.0 NM	RNP AR APCH		

RNAV Holding

Leg Sequence	Path Terminator	Waypoint Identification	Fly Over	Direction MAG(°)	Direction True(°)	Leg Time/ Distance (NM)	Turn direction	MNM Altitude (FL or AMSL ft)	MAX Altitude (FL or AMSL ft)	MAX IAS (Kt)	Vertical angle (°)/ TCH (m)	Nav Spec
HLDG	HM	OLEGU	Y	114	118.0	T 1 min	R	4000		230		RNAV 1
HLDG	HM	PILAP	Y	097	101.0	T 1 min	R	5000		210		RNAV 1

Full Waypoint List

W/P ID	Latitude	Longitude
DU500	42°25'16.7"N	018°17'35.3"E
DU502	42°28'30.9"N	018°24'52.7"E
DU504	42°30'22.8"N	018°23'55.0"E
DU506	42°30'58.8"N	018°22'53.3"E
DUC01	42°28'30.8"N	018°19'55.4"E
DUC02	42°28'30.8"N	018°21'05.7"E
OLEGU	42°29'06.1"N	018°07'54.0"E
PILAP	42°43'13.8"N	017°51'51.5"E
RW29	42°33'20.95"N	018°16'55.89"E

Change: TMA classification vertical limits; Editorial

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VISUAL APPROACH CHART

ARP
42° 33' 41"N
018° 16' 06"E

AD ELEV 527

DUBROVNIK ATIS	118.425
DUBROVNIK RADAR	123.600
DUBROVNIK TOWER	129.500
DUBROVNIK DELIVERY	125.400

DUBROVNIK / Rudjer Boskovic (LDDU)

VAC RWY 29

NOTES:
1. DBK VOR/DME required

INSET 1
NOT TO SCALE

INSET 2
NOT TO SCALE

MNM ALT 5000
IAS MAX 210kt
1 MIN

R-294 DBK
21.8 DME DBK
25.8 DME DBK

KOLOCEP
NDB 318
KLP

VISUAL GO- AROUND

R-294 DBK
3.8 DME DBK

MADOS

DUBROVNIK
VOR/DME 115.40
CH 101X
DBK
556ft

DUBROVNIK/
Rudjer Boskovic
LDDU 527ft 3230m

CTR DUBROVNIK D 4000ft MSL
TWR FREQ:129.500 MHZ

LEAD-IN LIGHTS

HIGH AND MOUNTAINOUS TERRAIN NORTH AND NORTHEAST OF THE AERODROME

OLEGU
R-224 DBK
7.4 DME DBK
42 29 06.1N
018 07 54.0E

114°
4000
MAX IAS 230 kt
1 MIN
294°

7.6
085°
MAX IAS 185 kt

R-153 DBK
4.7

MAZEV
5.3 DME DBK
42 29 12N
018 18 07E

TMA DUBROVNIK
C
FL 205
10000FT MSL
Radar 123.600

TMA DUBROVNIK
D
10000FT MSL
1000FT AGL
Radar 123.600

ATC ZAGREB

SARAJEVO FIR / ZAGREB FIR

Reporting Point	Definition
MAZEV	R 153 DBK; 5.3 DME DBK

VISUAL GO - AROUND

In case of visual go-around climb along the visual approach track and when on the final approach track proceed straight ahead. At 3.8 DME DBK join and follow R-294 DBK climbing 5000 ft to 21.8 DME DBK and hold or follow ATC instruction. If unable to reach 5000 ft at 21.8 DME DBK, advise ATC.

LEGEND

(m) ft ELEVATION TINTS
(1600) 5250
(1200) 3937
(800) 2625
(400) 1313
(0) 0

visual approach track

VAR 4° E 2019

BEARINGS,TRACKS AND RADIALS ARE MAGNETIC
ALTITUDES AND ELEVATIONS IN FT
DISTANCES IN NM

SCALE 1:250 000
km 0 5 10
NM 0 5

ATTENTION:
Prominent transmission lines data not complete!
No guarantee for the completeness and accuracy of obstacles!

CAUTION:
Visual approach track to the RWY 29 to be used by means of visual reference only. DBK VOR/DME radials, waypoints, distances and speed limit information are for improved situational awareness only. Obstacle clearance during the visual approach and visual go-around is responsibility of pilot flying.

CHANGE: TMA classification vertical limits; CV L and GR L withdrawn; Editorial.

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VISUAL OPERATION CHART

ARP
42° 33' 41"N
018° 16' 06"E

AD ELEV 527

DUBROVNIK ATIS	118.425
DUBROVNIK RADAR	123.600
DUBROVNIK TOWER	129.500
DUBROVNIK DELIVERY	125.400

DUBROVNIK / Rudjer Boskovic (LDDU)



Reporting Point	Definition
A2	Islet Sv. Andrija
B2	Visual holding point
C2	R 222 14.8 DME DBK
D2	R 178 15.8 DME DBK
F2	R 262 14.1 DME DBK
E5	Village Molunat

Two-way radio communication required.
Contact Tower normally at reporting points or any other point but not later than 5min prior to entering CTR.

ALTITUDES AND ELEVATIONS IN FT

SCALE 1:250 000
km 0 5 10
NM 0 5

VAR 4° E 2019

LEGEND
- Holding fix with WGS-84 coordinates — B2, 42 30 25N, 018 13 39E
- Significant VFR point — D2
- Recommended VFR route — ADRIA1
- Mandatory (arrival - departure) VFR route

ATTENTION:
For latest information consult relevant publications, and NOTAMs!
Prominent transmission lines data not complete!
No guarantee for the completeness and accuracy of obstacles!

CHANGE: TMA classification vertical limits; CV L and GR L withdrawn; Editorial.

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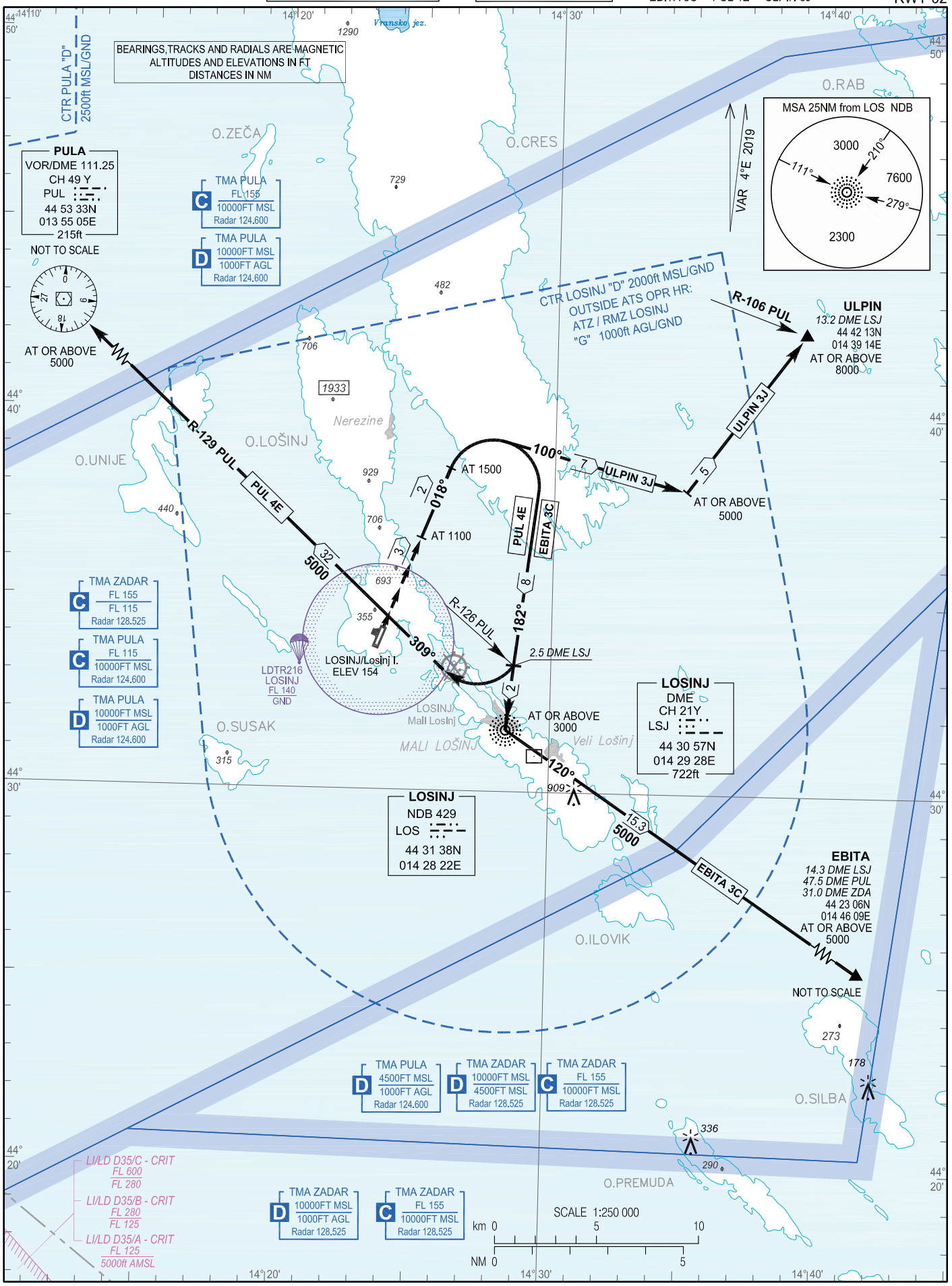
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

LOSINJ TOWER 120.300
PULA RADAR 124.600
127.675

LOSINJ / Losinj I. (LDLO)

EBITA 3C PUL 4E ULPIN 3J RWY 02



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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

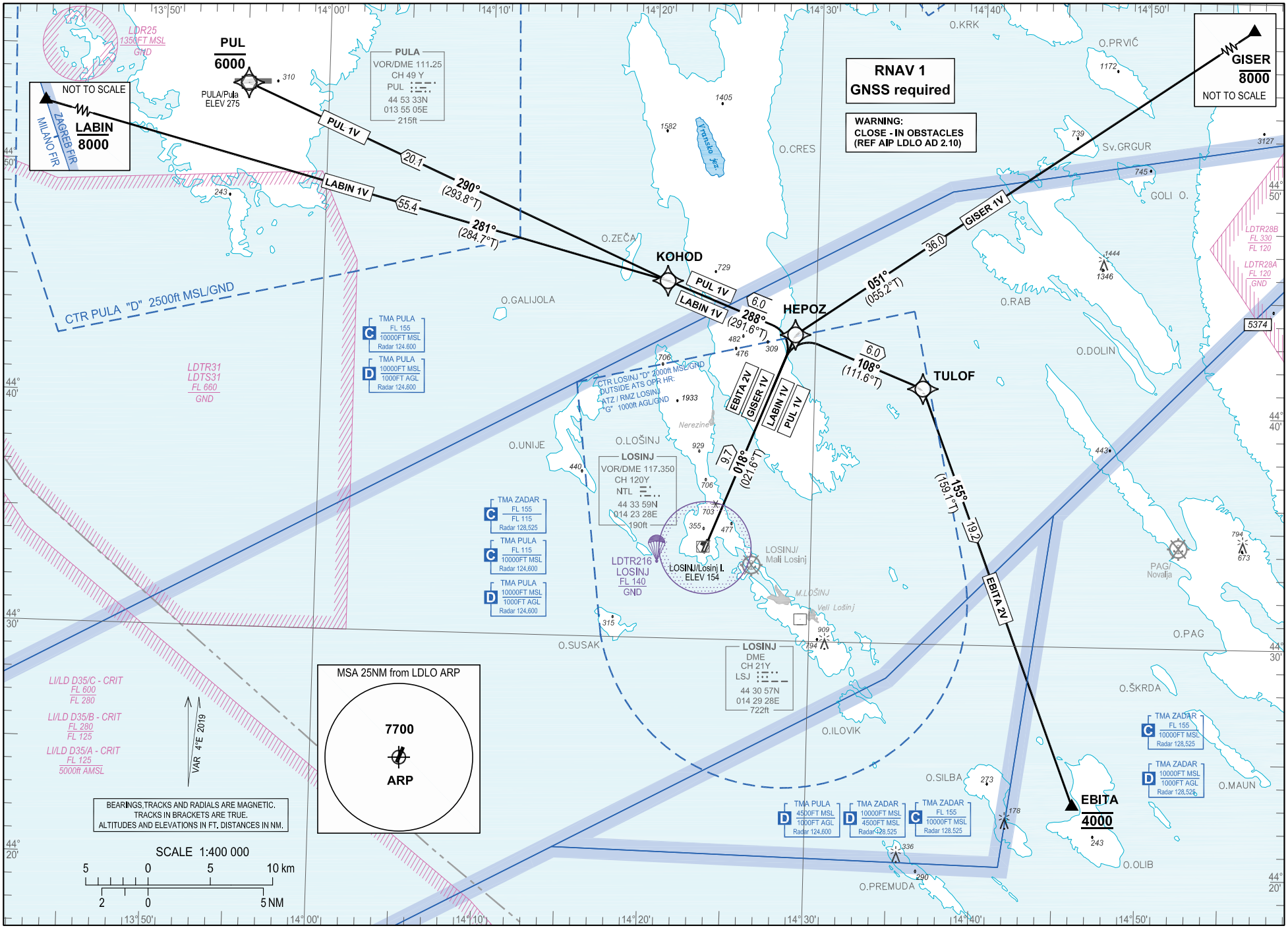
TRANSITION ALTITUDE
10 000

LOSINJ TOWER 120.300
PULA RADAR 124.600
127.675

LABIN 1V PUL 1V
GISER 1V EBITA 2V

RNAV RWY 02 CAT A & B

LOSINJ / Losinj I. (LDLO)



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LOSINJ / Losinj I. (LDLO)

RNAV RWY 02 CAT A & B

LABIN 1V PUL 1V
GISER 1V EBITA 2V

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

- Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 6.4 per cent (389 ft/NM). Assume minimum net climb gradient of 3.3 per cent (201 ft/NM) after passing 800 ft.
- After take-off, climb initially to 4000 ft. After passing 1000 ft, contact Pula Radar on 124.600 MHz
- Caution: Close-in obstacles up to 0.6 NM from departure end of RWY 02 (REF AIP LDLO AD 2.10)

LDLO RNAV STANDARD INSTRUMENT DEPARTURE RWY 02

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	LABIN 1V	CF	HEPOZ	-	018° (021.6°T)	4°E	9.7	-	-	-	-	RNAV 1
020		TF	KOHOD	-	288° (291.6°T)	4°E	6.0	L	-	-		
030		TF	LABIN	-	281° (284.7°T)	4°E	55.4	-	-8000	-		
010	PUL 1V	CF	HEPOZ	-	018° (021.6°T)	4°E	9.7	-	-	-	-	RNAV 1
020		TF	KOHOD	-	288° (291.6°T)	4°E	6.0	L	-	-		
030		TF	PUL	-	290° (293.8°T)	4°E	20.1	-	-6000	-		
010	GISER 1V	CF	HEPOZ	-	018° (021.6°T)	4°E	9.7	-	-	-	-	RNAV 1
020		TF	GISER	-	051° (055.2°T)	4°E	36.0	-	-8000	-		
010	EBITA 2V	CF	HEPOZ	-	018° (021.6°T)	4°E	9.7	-	-	-	-	RNAV 1
020		TF	TULOF	-	108° (111.6°T)	4°E	6.0	R	-	-		
030		TF	EBITA	-	155° (159.1°T)	4°E	19.2	-	@4000	-		

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
EBITA	442306N	0144609E
GISER	450342N	0151026E
HEPOZ	444316.2N	0142845.6E
KOHOD	444528.7N	0142055.9E
LABIN	445909N	0130529E
PUL	445332.52N	0135505.23E
TULOF	444103.3N	0143634.6E

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

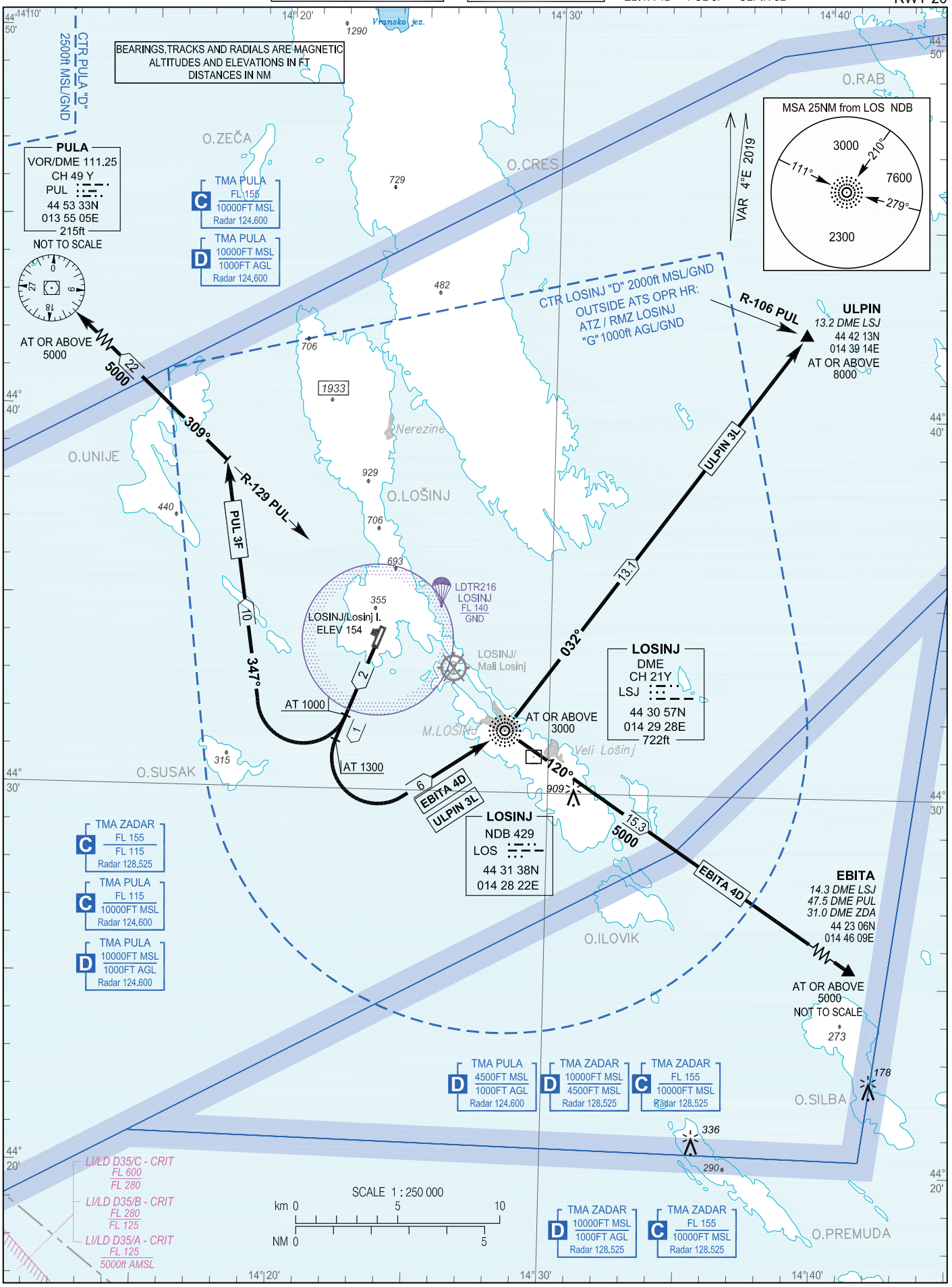
TRANSITION ALTITUDE
10 000

LOSINJ TOWER	120.300
PULA RADAR	124.600
	127.675

LOSINJ / Losinj I. (LDLO)

EBITA 4D PUL 3F ULPIN 3L

RWY 20



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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

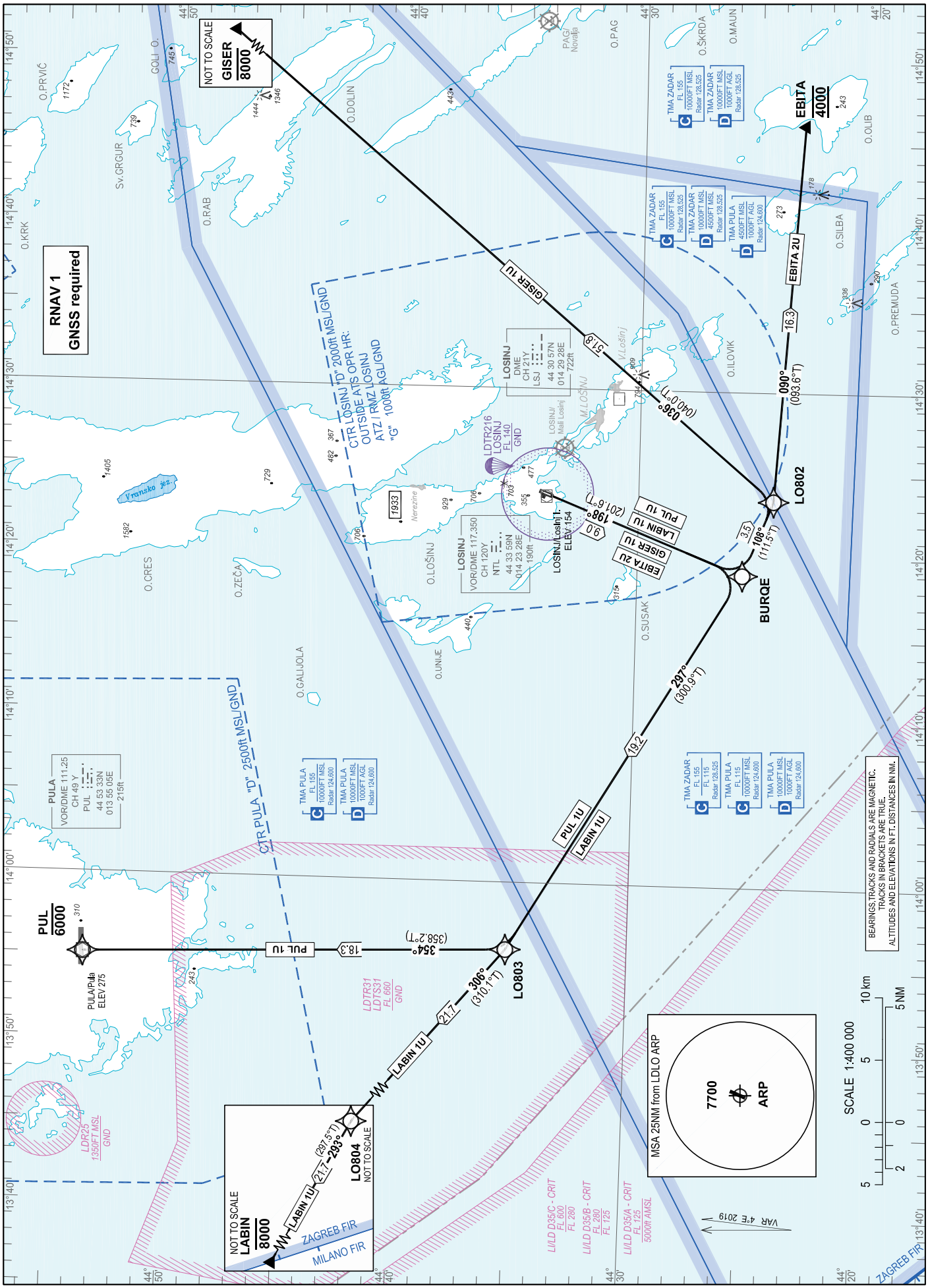
TRANSITION ALTITUDE
10 000

LOSINJ TOWER	120.300
PULA RADAR	124.600
	127.675

LABIN 1U PUL 1U
GISER 1U EBITA 2U

LOSINJ / Losinj I. (LDLO)

RNAV RWY 20 CAT A & B



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RNAV RWY 20 CAT A & B — LABIN 1U PUL 1U GISER 1U EBITA 2U

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

- Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 ft/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary, this is indicated in the tabular description of the route.
- After take-off, climb initially to 4000 ft. After passing 1000 ft, contact Pula Radar on 124.600 MHz

LDLO RNAV STANDARD INSTRUMENT DEPARTURE RWY 20

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	LABIN 1U	CF	BURQE	-	198° (201.6°T)	4°E	9.0	-	-	-	MNM PDG 3.4% until passing 1300 ft	RNAV 1
020		TF	LO803	-	297° (300.9°T)	4°E	19.2	R	-	-		
030		TF	LO804	-	306° (310.1°T)	4°E	21.7	-	-	-		
040		TF	LABIN	-	293° (297.5°T)	4°E	21.7	-	-8000	-		
010	PUL 1U	CF	BURQE	-	198° (201.6°T)	4°E	9.0	-	-	-	MNM PDG 3.4% until passing 1300 ft	RNAV 1
020		TF	LO803	-	297° (300.9°T)	4°E	19.2	R	-	-		
030		TF	PUL	-	354° (358.2°T)	4°E	18.3	-	-6000	-		
010	GISER 1U	CF	BURQE	-	198° (201.6°T)	4°E	9.0	-	-	-	-	RNAV 1
020		TF	LO802	-	108° (111.5°T)	4°E	3.5	L	-	-		
030		TF	GISER		036° (040.0°T)	4°E	51.8	-	-8000	-		
010	EBITA 2U	CF	BURQE	-	198° (201.6°T)	4°E	9.0	-	-	-	-	RNAV 1
020		TF	LO802	-	108° (111.5°T)	4°E	3.5	L	-	-		
030		TF	EBITA	-	090° (093.6°T)	4°E	16.3	-	@4000	-		

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
BURQE	442526.2N	0141853.5E
EBITA	442306N	0144609E
GISER	450342N	0151026E
LABIN	445909N	0130529E
PUL	445332.52N	0135505.23E
LO802	442409.4N	0142324.8E
LO803	443514.6N	0135554.0E
LO804	444911.9N	0133234.6E

CHANGE: TMAs classification vertical limits; Parachute activity zone added; Editorial.

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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

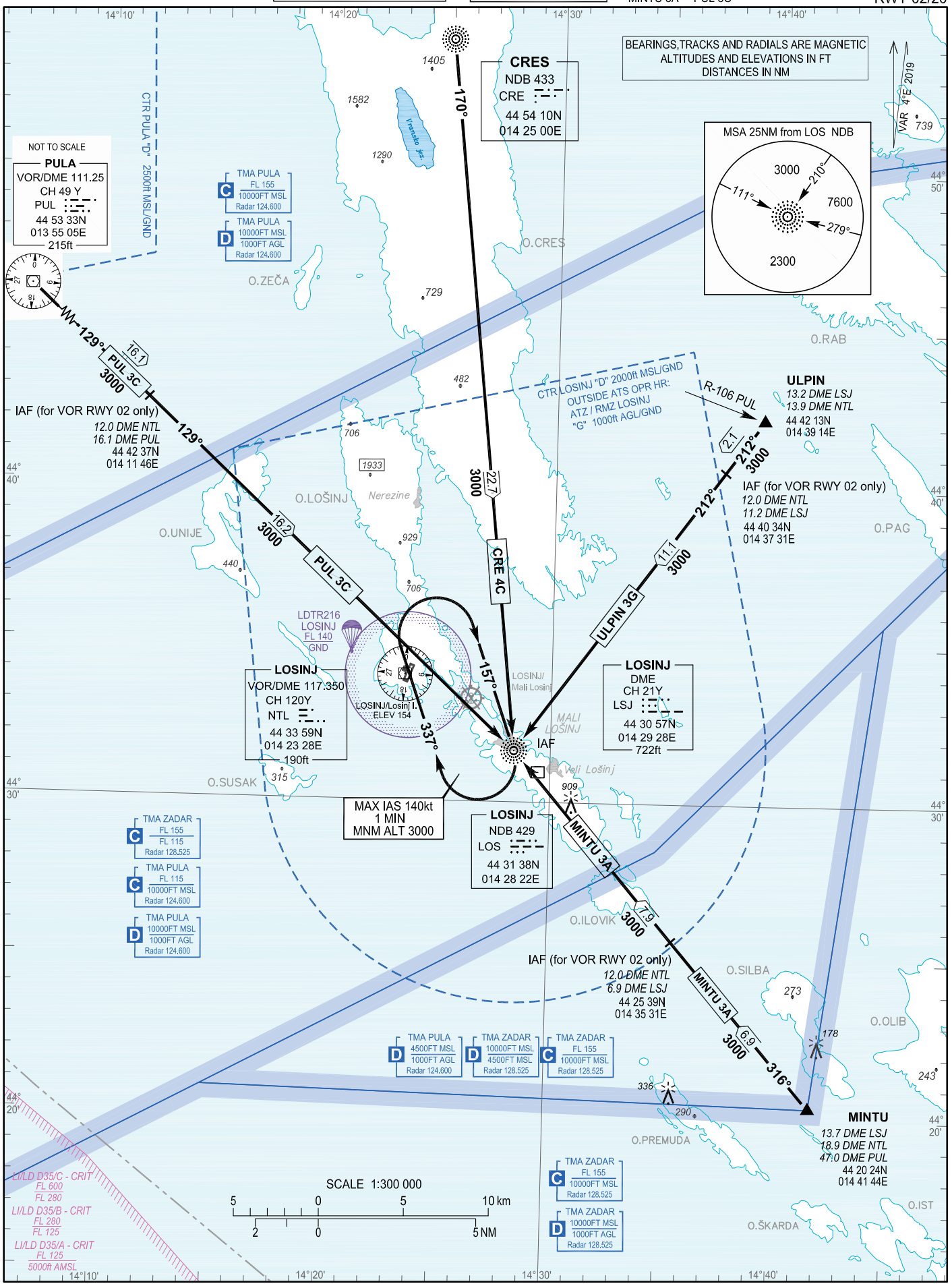
TRANSITION ALTITUDE
10 000

PULA RADAR	124.600
	127.675
LOSINJ TOWER	120.300

CRE 4C ULPIN 3G
MINTU 3A PUL 3C

LOSINJ / Losinj I. (LDLO)

RWY 02/20



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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

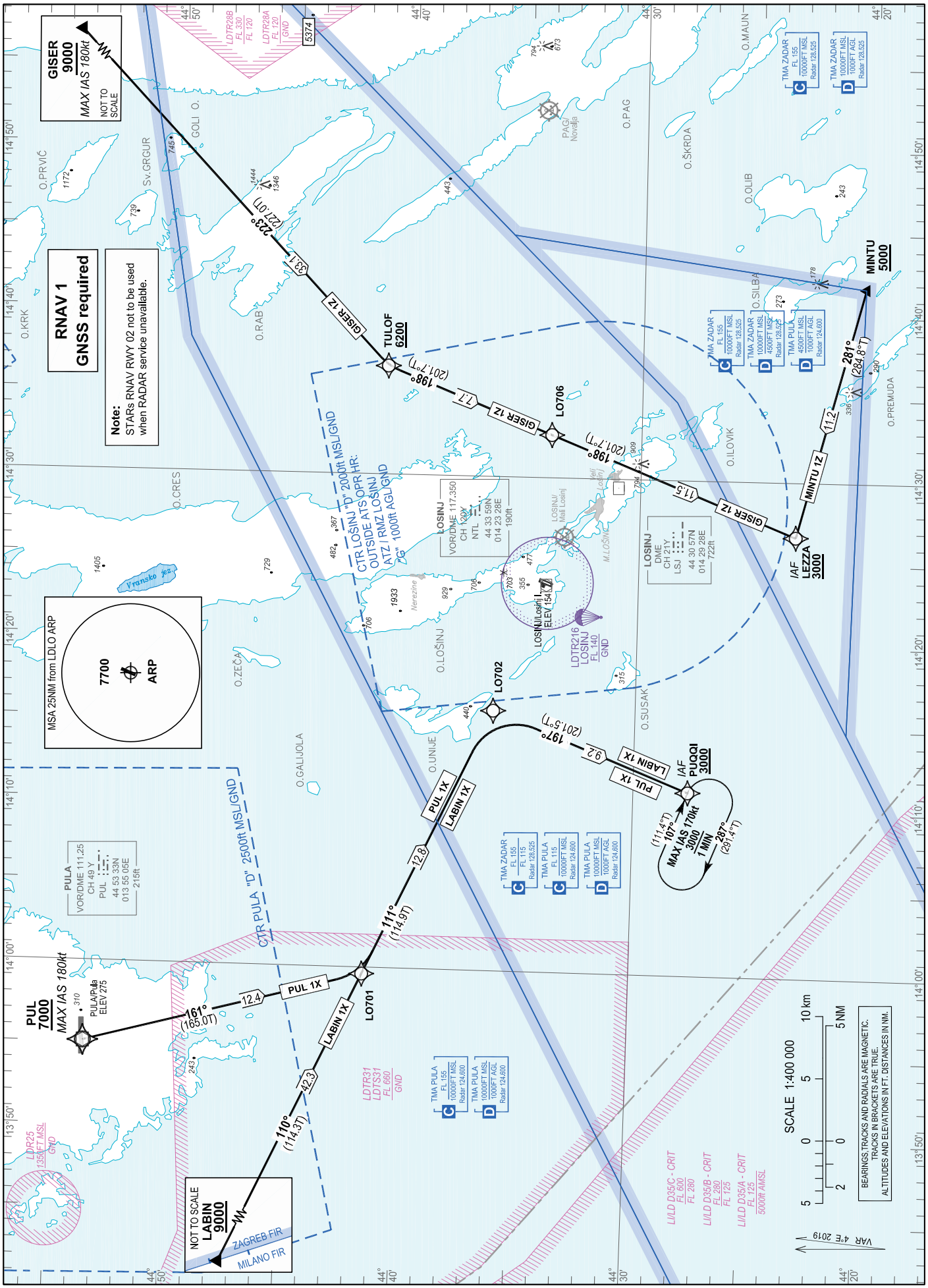
PULA RADAR	124.600
	127.675
LOSINJ TOWER	120.300

LABIN 1X
GISER 1Z

PUL 1X
MINTU 1Z

LOSINJ / Losinj I. (LDLO)

RNAV RWY 02 CAT A & B



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RNAV RWY 02 CAT A & B — LABIN 1X, GISER 1Z, PUL 1X, MINTU 1Z

LDLO RNAV STANDARD ARRIVAL RWY 02

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	LABIN 1X	IF	LABIN	-	-	4°E	-	-	+9000	-	-	RNAV 1
020		TF	LO701	-	110° (114.3°T)	4°E	42.3	-	-	-	-	
030		TF	LO702	-	111° (114.9°T)	4°E	12.8	-	-	-	-	
040		TF	PUQQI	-	197° (201.5°T)	4°E	9.2	-	+3000	-	IAF	
010	PUL 1X	IF	PUL	-	-	4°E	-	-	+7000	-180	-	RNAV 1
020		TF	LO701	-	161° (165.0°T)	4°E	12.4	-	-	-	-	
030		TF	LO702	-	111° (114.9°T)	4°E	12.8	-	-	-	-	
040		TF	PUQQI	-	197° (201.5°T)	4°E	9.2	-	+3000	-	IAF	
010	GISER 1Z	IF	GISER	-	-	4°E	-	-	+9000	-180	-	RNAV 1
020		TF	TULOF	-	223° (227.0°T)	4°E	33.1	-	+6200	-	-	
030		TF	LO706	-	198° (201.7°T)	4°E	7.7	-	-	-	-	
040		TF	LEZZA	-	198° (201.7°T)	4°E	11.5	-	+3000	-	IAF	
010	MINTU 1Z	IF	MINTU	-	-	4°E	-	-	+5000	-	-	RNAV 1
020		TF	LEZZA	-	281° (284.8°T)	4°E	11.2	-	+3000	-	IAF	

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
PUQQI	HM	107° (111.4°T)	1 MIN -	R	3000	-	170	4°E		RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
GISER	450342N	0151026E
LABIN	445909N	0130529E
LEZZA	442313.8N	0142640.5E
MINTU	442024N	0144144E
PUL	445332.52N	0135505.23E
PUQQI	442738.0N	0141105.9E
TULOF	444103.3N	0143634.6E
LO701	444132.6N	0135935.7E
LO702	443609.4N	0141547.0E
LO706	443354.0N	0143235.3E

CHANGE: TMAs classification vertical limits; Parachute activity zone added; Editorial.

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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

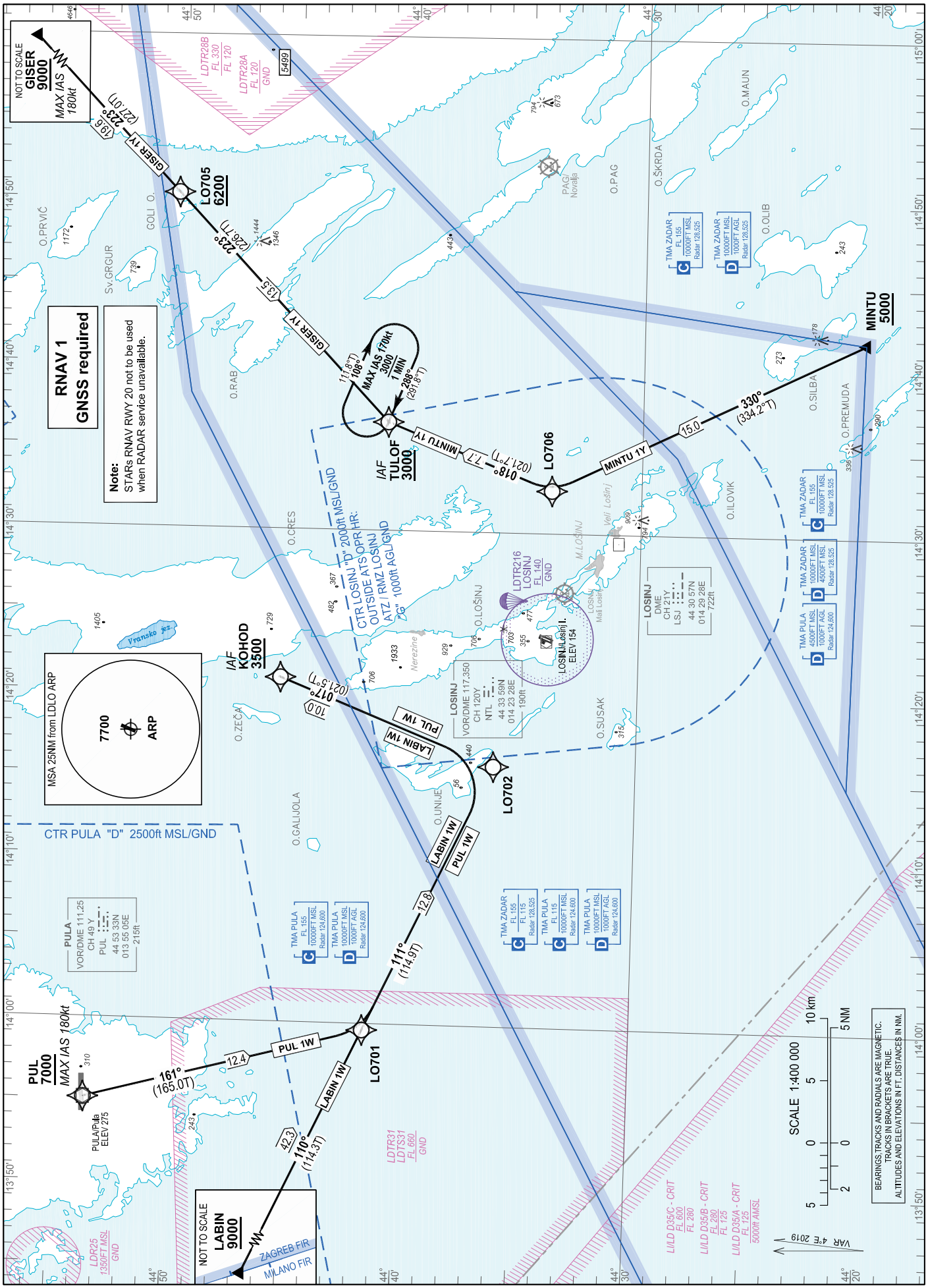
PULA RADAR	124.600
	127.675
LOSINJ TOWER	120.300

LABIN 1W
GISER 1Y

PUL 1W
MINTU 1Y

LOSINJ / Losinj I. (LDLO)

RNAV RWY 20 CAT A & B



CHANGE: TMAs classification vertical limits; Parachute activity zone added; Editorial.

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LOSINJ / Losinj I. (LDLO)

RNAV RWY 20 CAT A & B — LABIN 1W, GISER 1Y, PUL 1W, MINTU 1Y

LDLO RNAV STANDARD ARRIVAL RWY 20

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	LABIN 1W	IF	LABIN	-	-	4°E	-	-	+9000	-	-	RNAV 1
020		TF	LO701	-	110° (114.3°T)	4°E	42.3	-	-	-	-	
030		TF	LO702	-	111° (114.9°T)	4°E	12.8	-	-	-	-	
040		TF	KOHOD	-	017° (021.5°T)	4°E	10.0	L	+3500	-	IAF	
010	PUL 1W	IF	PUL	-	-	4°E	-	-	+7000	-180		RNAV 1
020		TF	LO701	-	161° (165.0°T)	4°E	12.4	-	-		-	
030		TF	LO702	-	111° (114.9°T)	4°E	12.8	-	-	-	-	
040		TF	KOHOD	-	017° (021.5°T)	4°E	10.0	L	+3500	-	IAF	
010	GISER 1Y	IF	GISER	-	-	4°E	-	-	+9000	-180	-	RNAV 1
020		TF	LO705	-	223° (227.0°T)	4°E	19.6	-	+6200	-	-	
030		TF	TULOF	-	223° (226.7°T)	4°E	13.5	-	+3000	-	-	
010	MINTU 1Y	IF	MINTU	-	-	4°E	-	-	+5000	-	-	RNAV 1
020		TF	LO706	-	330° (334.2°T)	4°E	15.0	-	-	-	-	
030		TF	TULOF	-	018° (021.7°T)	4°E	7.7	-	+3000	-	IAF	

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
TULOF	HM	288° (291.8°T)	1 MIN -	R	3000	-	170	4°E		RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
GISER	450342N	0151026E
KOHOD	444528.7N	0142055.9E
LABIN	445909N	0130529E
MINTU	442024N	0144144E
PUL	445332.52N	0135505.23E
TULOF	444103.3N	0143634.6E
LO701	444132.6N	0135935.7E
LO702	443609.4N	0141547.0E
LO705	445018.2N	0145019.5E
LO706	443354.0N	0143235.3E

CHANGE: TMAs classification vertical limits; Parachute activity zone added; Editorial.

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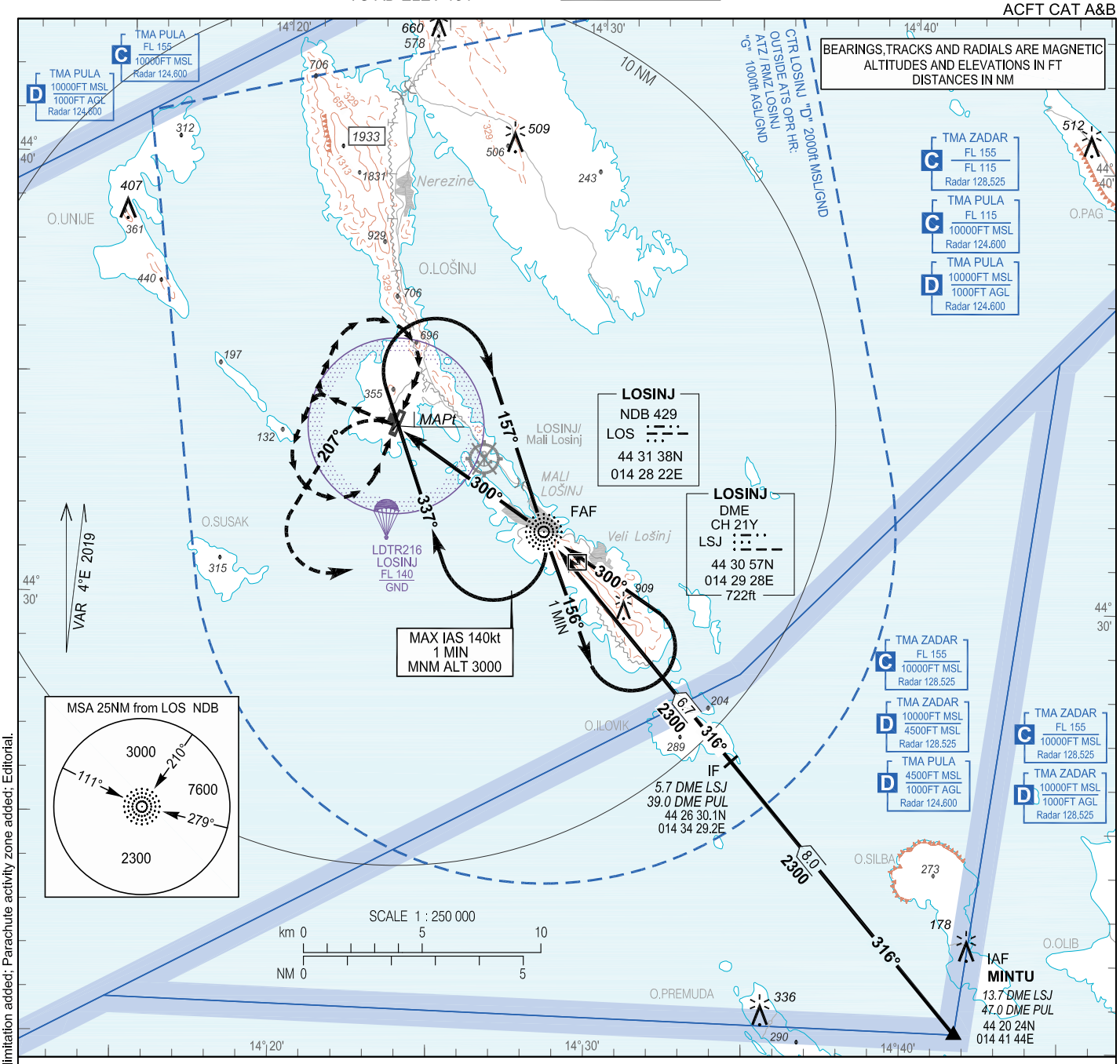
INSTRUMENT APPROACH CHART - ICAO

AD ELEV 154
HEIGHTS RELATED TO AD ELEV 154

PULA RADAR	124.600
	127.675
LOSINJ TOWER	120.300

LOSINJ / Losinj I. (LDLO)

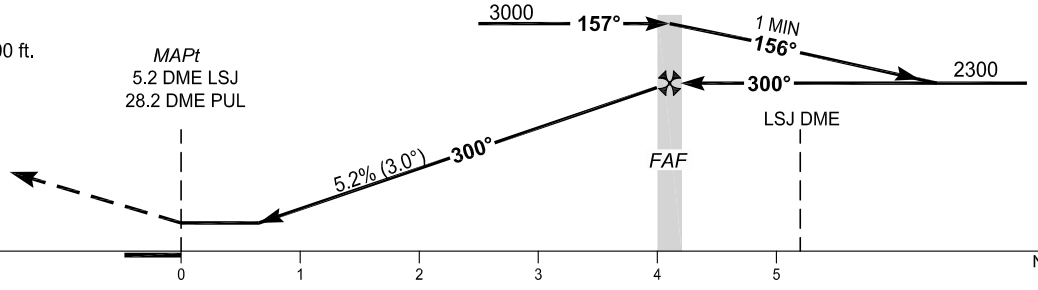
NDB-a RWY 02/20
ACFT CAT A&B



TRANSITION ALT 10 000

MISSED APPROACH:

Turn left on track
207° climbing to 3000 ft.
At 2000 ft turn left
to LOS NDB.



OCA(H)	A	B
CIRCLING	1070 (916)	

DISTANCE FAF TO MAPT (ARP) - 4.1 NM							
GS(kt)	70	80	90	100	110	120	130
min : sec	3:31	3:05	2:44	2:28	2:14	2:03	1:54
Rate of descent (ft / min)	369	421	474	527	579	632	685

CHANGE: TMAs classification vertical limits; HLDG LOS NDB speed limitation added; Parachute activity zone added; Editorial.

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NDB-a RWY 02/20
ACFT CAT A&B

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
NDB-a RWY 02/20 ACFT CAT A/B			
Final approach descent angle: -			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (LOS NDB)	443137.55N 0142822.25E	-	-
IAF (MINTU)	442023.9N 0144144.5E	319.60° (LOS NDB)	47.00 DME PUL 13.74 DME LSJ
IF (via MINTU)	442630.1N 0143429.2E	319.52° (LOS NDB)	39.01 DME PUL 5.72 DME LSJ
FAF (LOS NDB)	443137.55N 0142822.25E	-	-
MAPt (LDLO ARP)	443357.26N 0142335.48E	304.29° (LOS NDB)	28.23 DME PUL 5.16 DME LSJ

CHANGE: TMAs classification vertical limits; HLDG LOS NDB speed limitation added; Parachute activity zone added; Editorial.

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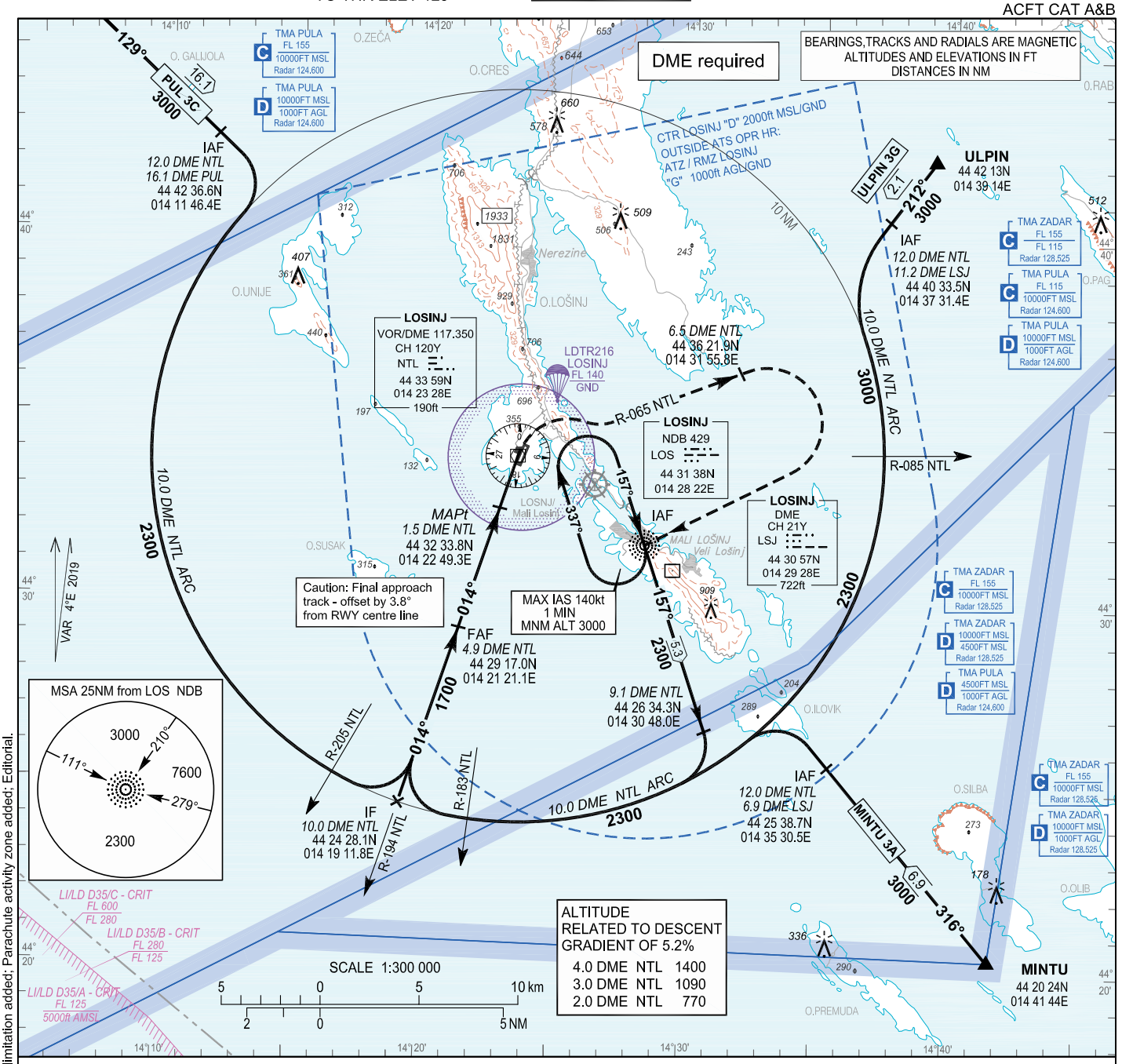
INSTRUMENT APPROACH CHART - ICAO

AD ELEV 154
HEIGHTS RELATED TO THR ELEV 129

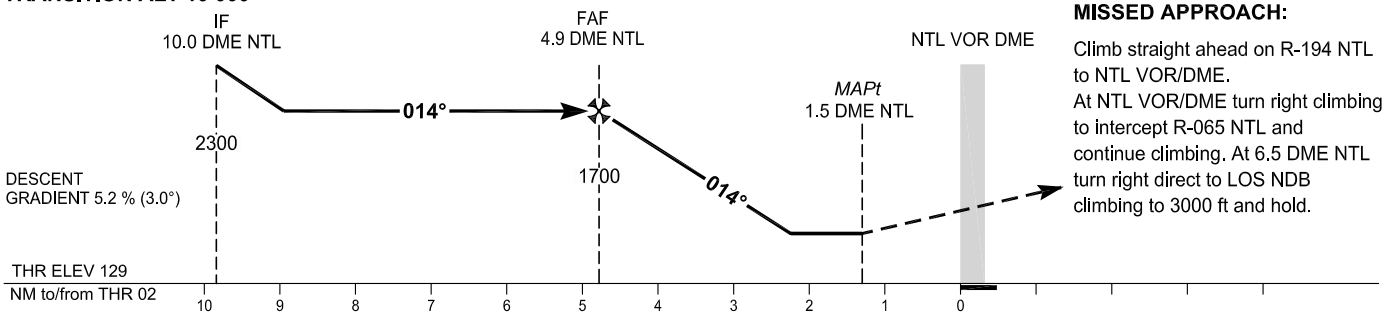
PULA RADAR	124.600
	127.675
LOSINJ TOWER	120.300

LOSINJ / Losinj I. (LDLO)

VOR RWY 02
ACFT CAT A&B



TRANSITION ALT 10 000



MISSED APPROACH:

Climb straight ahead on R-194 NTL to NTL VOR/DME.
At NTL VOR/DME turn right climbing to intercept R-065 NTL and continue climbing. At 6.5 DME NTL turn right direct to LOS NDB climbing to 3000 ft and hold.

OCA(H)	A	B
Straight - in Approach	610 (481)	
Circling	1070 (916)	

FAF to MAPt DISTANCE - 3.4 NM
Timing not authorized for defining the MAPt

GS (kt)	70	80	90	100	110	120	130
min : sec	2:57	2:35	2:18	2:04	1:53	1:43	1:35
Rate of descent (ft / min)	372	425	478	531	584	637	690
MAPt at 1.5 DME NTL							

CHANGE: TMAs classification vertical limits; HLDG LOS NDB speed limitation added; Parachute activity zone added; Editorial.

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VOR RWY 02
ACFT CAT A&B

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
VOR RWY 02 ACFT CAT A/B			
Final approach descent angle: 3.00°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (LOS NDB)	443137.55N 0142822.25E	-	-
IAF (via PUL 3C arrival)	44 42 36.6N 014 11 46.4E	132.52° (PUL VOR)	12.00 DME NTL (16.15 DME PUL)
IAF (via MINTU 3A arrival)	44 25 38.7N 014 35 30.5E	319.60° (LOS NDB)	12.00 DME NTL (6.85 DME LSJ)
IAF (via ULPIN 3G arrival)	44 40 33.5N 014 37 31.4E	216.28° (LOS NDB)	12.00 DME NTL (11.20 DME LSJ)
IF	44 24 28.1N 014 19 11.8E	ARC 10.0 DME NTL	017.76° (NTL VOR)
FAF	44 29 17.0N 014 21 21.1E	017.78° (NTL VOR)	4.94 DME NTL
MAPt	44 32 33.8N 014 22 49.3E	017.78° (NTL VOR)	1.50 DME NTL
TP (NTL VOR/DME)	443359.44N 0142327.79E	-	-

CHANGE: TMAs classification vertical limits; HLDG LOS NDB speed limitation added; Parachute activity zone added; Editorial.

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INSTRUMENT APPROACH CHART-ICAO

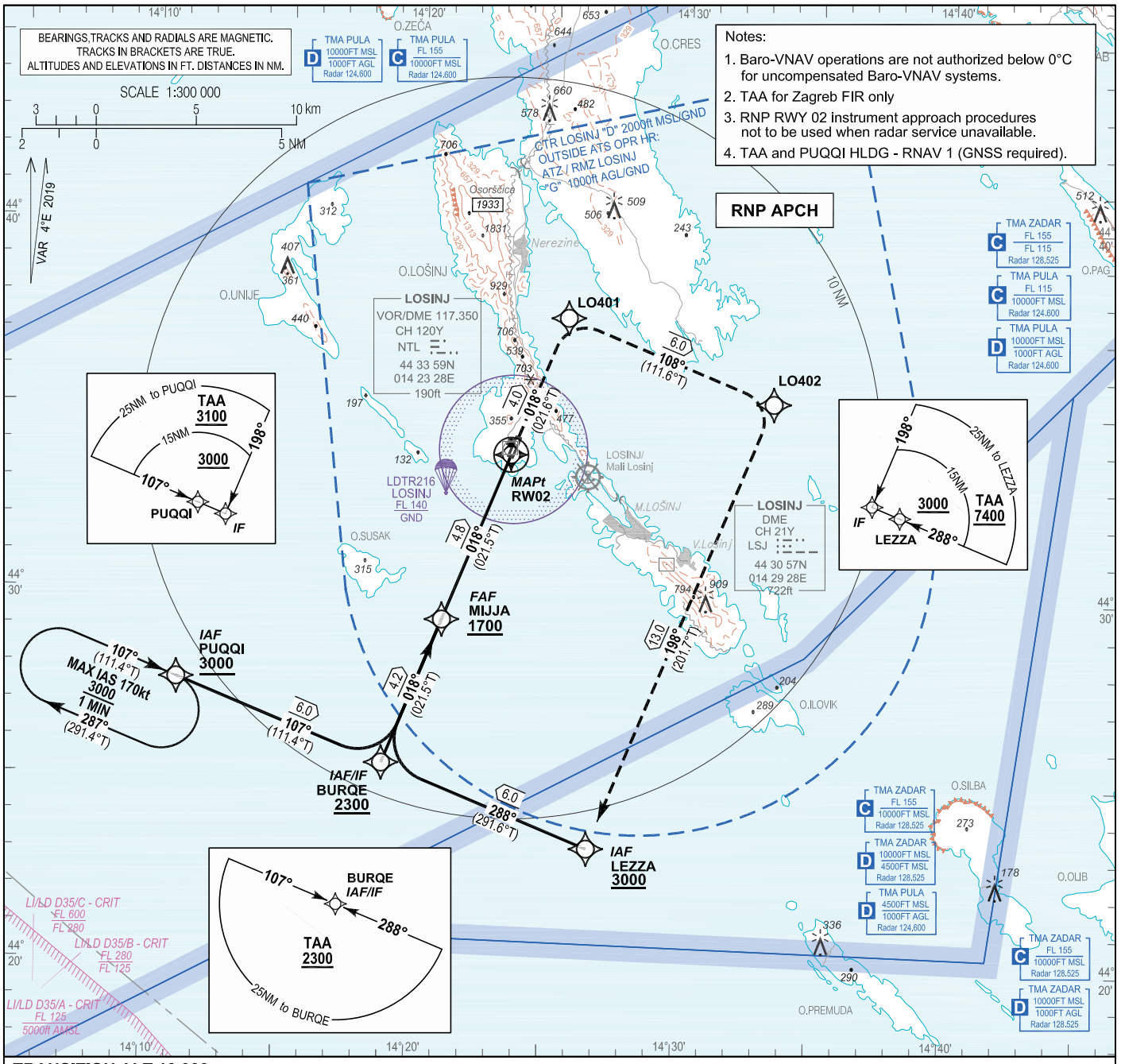
AD ELEV 154
HEIGHTS RELATED TO THR 02 ELEV 129

SBAS
CH: 91500
E02A

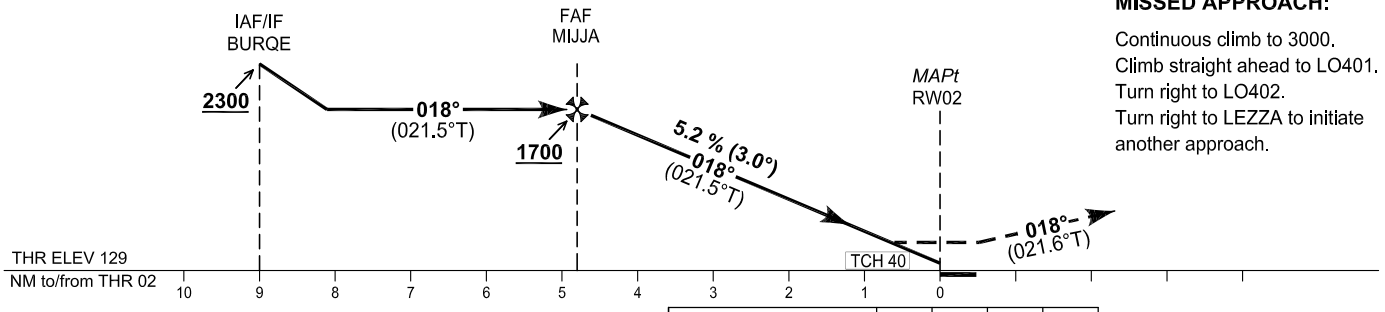
PULA RADAR	124.600
	127.675
LOSINJ TOWER	120.300

LOSINJ / Losinj I. (LDLO)

RNP RWY 02



TRANSITION ALT 10 000



MISSED APPROACH:

Continuous climb to 3000.
Climb straight ahead to LO401.
Turn right to LO402.
Turn right to LEZZA to initiate another approach.

OCA(H)		A	B
Straight - in approach	LPV	544 (415)	554 (425)
	LNAV/VNAV	532 (403)	608 (479)
	LNAV	610 (481)	700 (571)

DIST to MAPt (RW02)	NM	4	3	2
Altitude	ft	1450	1130	810

Timing not authorized for defining the MAPt								
GS	kt	70	80	90	100	110	120	130
FAF - MAPt (4.8NM)	min:sec	4:07	3:36	3:12	2:53	2:37	2:24	2:13
Rate of descent (5.2%)	ft/min	372	425	478	531	584	637	690

CHANGE: TMAs classification vertical limits; Parachute activity zone added; Editorial.

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RNP RWY 02

Coding elements for FAS Data Block

Input data	
Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDLO
Runway	02
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E02A
LTP/FTP Latitude	443348.4070N
LTP/FTP Longitude	0142330.5865E
LTP/FTP Ellipsoidal Height (metres)	81.9
FPAP Latitude	443439.4700N
Delta FPAP Latitude (seconds)	51.0630
FPAP Longitude	0142358.8375E
Delta FPAP Longitude (seconds)	28.2510
Threshold Crossing Height	40.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	50.0
Output data	
Data Block	10 0F 0C 04 0C 02 00 00 01 32 30 05 EE E2 1F 13 35 22 2D 06 33 17 EE 8E 01 B6 DC 00 90 01 2C 01 64 00 C8 FA 32 0E A5 D6
Calculated CRC Value	320EA5D6
Required Additional Data	
ICAO Code	LD
LTP/FTP Orthometric Height (metres)	39.2

CHANGE: TMAs classification vertical limits; Parachute activity zone added; Editorial.

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RNP RWY 02

LDLO RNP RWY 02

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	LEZZA	-	-	4°E	-	-	+3000	-	-	-	RNP APCH
020	IF	TF	BURQE	-	288° (291.6° T)	4°E	6.0	-	+2300	-	-	-	
010	IAF/IF	IF	BURQE	-	-	4°E	-	-	+2300	-	-	-	
010	IAF	IF	PUQQI	-	-	4°E	-	-	+3000	-	-	-	
020	IF	TF	BURQE	-	107° (111.4° T)	4°E	6.0	-	+2300	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	BURQE	-	-	4°E	-	-	+2300	-	-	-	RNP APCH
020	FAF	TF	MIJJA	-	018° (021.5°T)	4°E	4.2	-	+1700	-	-	-	
030	MAPt	TF	RW02	Y	018° (021.5°T)	4°E	4.8	-	-	-	3.0 / 40	-	
040	MATF	TF	LO401	-	018° (021.6°T)	4°E	4.0	-	-	-	-	-	
050	MATF	TF	LO402	-	108° (111.6°T)	4°E	6.0	R	-	-	-	-	
060	-	TF	LEZZA	-	198° (201.7°T)	4°E	13.0	R	@3000	-	-	-	

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
PUQQI	HM	107° (111.4°T)	1 MIN / -	R	3000	-	170	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
LEZZA	442313.8N	0142640.5E
PUQQI	442738.0N	0141105.9E
BURQE	442526.2N	0141853.5E
MIJJA	442920.0N	0142102.3E
RW02	443348.41N	0142330.59E
LO401	443731.6N	0142534.2E
LO402	443518.8N	0143322.5E

CHANGE: TMAs classification vertical limits; Parachute activity zone added; Editorial.

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INSTRUMENT APPROACH CHART-ICAO

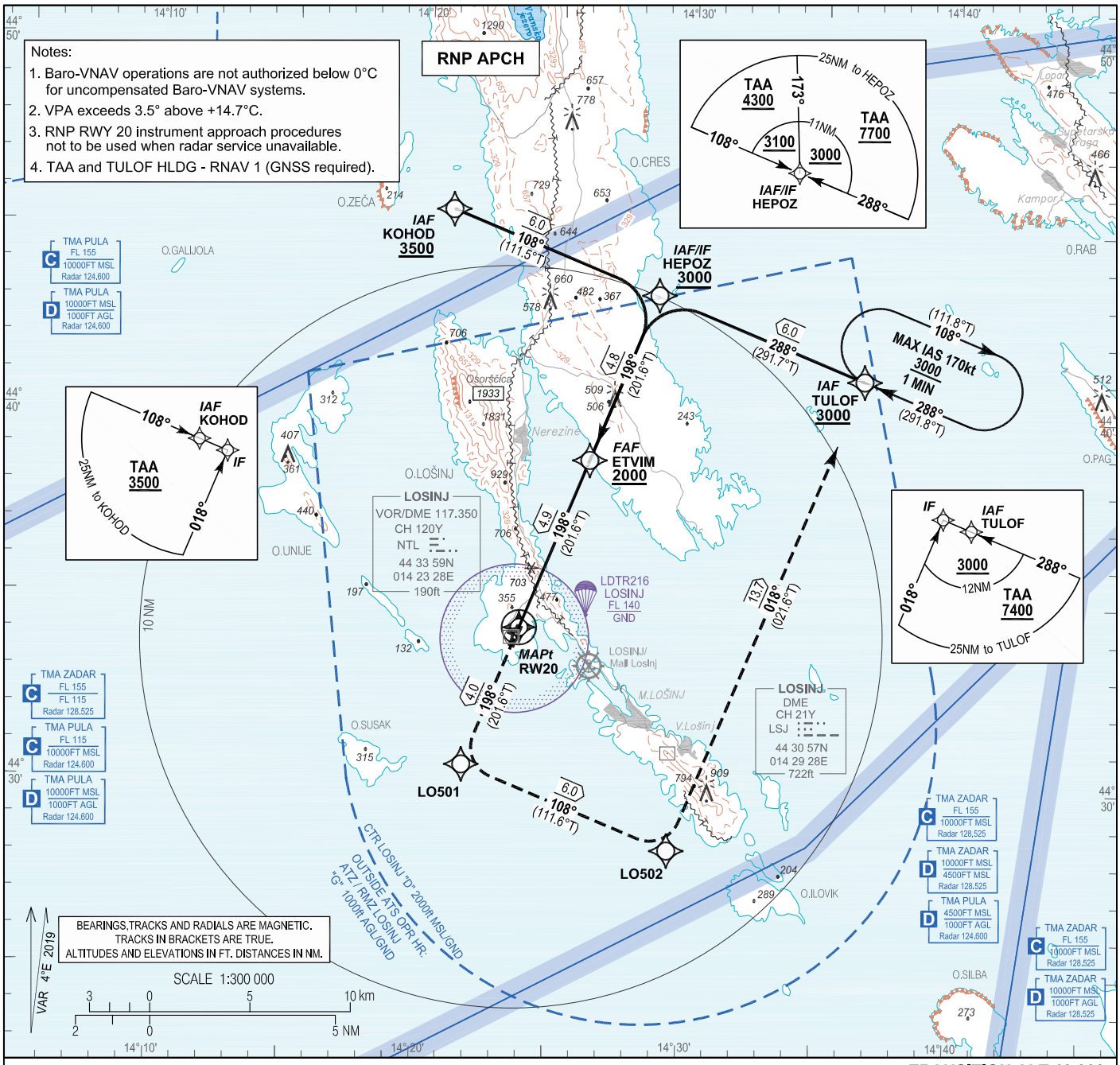
AD ELEV 154
HEIGHTS RELATED TO THR 20 ELEV 146

SBAS
CH: 83074
E20A

PULA RADAR	124.600
	127.675
LOSINJ TOWER	120.300

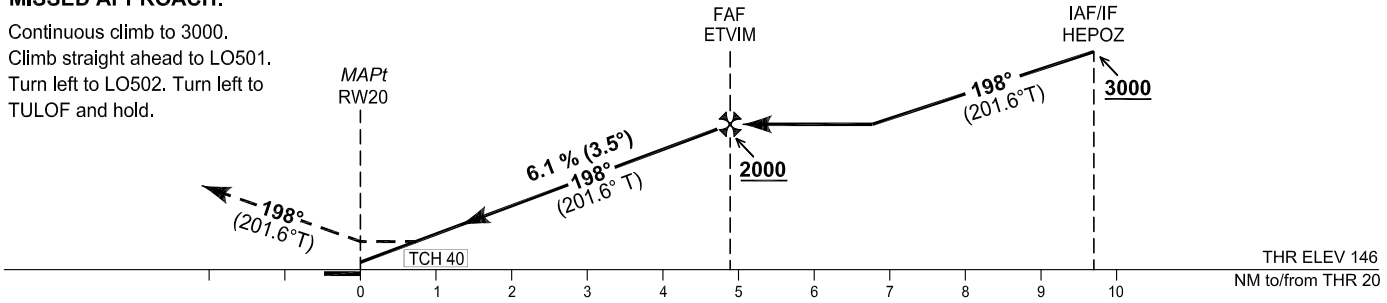
LOSINJ / Losinj I. (LDLO)

RNP RWY 20 (LPV, LNAV/VNAV only)



MISSED APPROACH:

Continuous climb to 3000.
Climb straight ahead to LO501.
Turn left to LO502. Turn left to TULOF and hold.



TRANSITION ALT 10 000

DIST from MAPt (RW20)	NM	4	3	2
Altitude	ft	1680	1300	930

OCA(H)		A	B
Straight - in approach	LPV	843 (697)	856 (710)
	LNAV/VNAV	843 (697)	856 (710)

Timing not authorized for defining the MAPt								
GS	kt	70	80	90	100	110	120	130
FAF - MAPt (4.9NM)	min:sec	4:11	3:40	3:15	2:56	2:40	2:26	2:15
Rate of descent (6.1%)	ft/min	434	495	557	619	681	743	805

CHANGE: TMAs classification vertical limits; Parachute activity zone added; Editorial.

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RNP RWY 20 (LPV, LNAV/VNAV only)

Coding elements for FAS Data Block

Input data	
Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDLO
Runway	20
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E20A
LTP/FTP Latitude	443415.1610N
LTP/FTP Longitude	0142345.3865E
LTP/FTP Ellipsoidal Height (metres)	87.2
FPAP Latitude	443324.0965N
Delta FPAP Latitude (seconds)	-51.0645
FPAP Longitude	0142317.1415E
Delta FPAP Longitude (seconds)	-28.2450
Threshold Crossing Height	40.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.50
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	50.0

Output data	
Data Block	10 0F 0C 04 0C 14 00 00 01 30 32 05 F2 B3 20 13 D5 95 2D 06 68 17 0F 71 FE 56 23 FF 90 01 5E 01 64 00 C8 FA 58 33 3D 9E
Calculated CRC Value	58333D9E

Required Additional Data	
ICAO Code	LD
LTP/FTP Orthometric Height (metres)	44.5

CHANGE: TMAs classification vertical limits; Parachute activity zone added; Editorial.

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RNP RWY 20 (LPV, LNAV/VNAV only)

LDLO RNP RWY 20

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	KOHOD	-	-	4°E	-	-	+3500	-	-	-	RNP APCH
020	IF	TF	HEPOZ	-	108° (111.5° T)	4°E	6.0	-	+3000	-	-	-	
010	IAF/IF	IF	HEPOZ	-	-	4°E	-	-	+3000	-	-	-	
010	IAF	IF	TULOF	-	-	4°E	-	-	+3000	-	-	-	
020	IF	TF	HEPOZ	-	288° (291.7° T)	4°E	6.0	-	+3000	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	HEPOZ	-	-	4°E	-	-	+3000	-	-	-	RNP APCH
020	FAF	TF	ETVIM	-	198° (201.6°T)	4°E	4.8	-	+2000	-	-	-	
030	MAPt	TF	RW20	Y	198° (201.6°T)	4°E	4.9	-	-	-	3.5 / 40	-	
040	MATF	TF	LO501	-	198° (201.6°T)	4°E	4.0	-	-	-	-	-	
050	MATF	TF	LO502	-	108° (111.6°T)	4°E	6.0	L	-	-	-	-	
060	MAHF	TF	TULOF	-	018° (021.6°T)	4°E	13.7	L	@3000	-	-	-	
070	MAHF	HM	TULOF	-	288° (291.8°T)	4°E	1 MIN	R	@3000	-170	-	-	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
TULOF	HM	288° (291.8°T)	1 MIN / -	R	3000	-	170	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
KOHOD	444528.7N	0142055.9E
TULOF	444103.3N	0143634.6E
HEPOZ	444316.2N	0142845.6E
ETVIM	443847.5N	0142616.2E
RW20	443415.16N	0142345.39E
LO501	443032.0N	0142142.0E
LO502	442819.4N	0142929.6E

CHANGE: TMAs classification vertical limits; Parachute activity zone added; Editorial.

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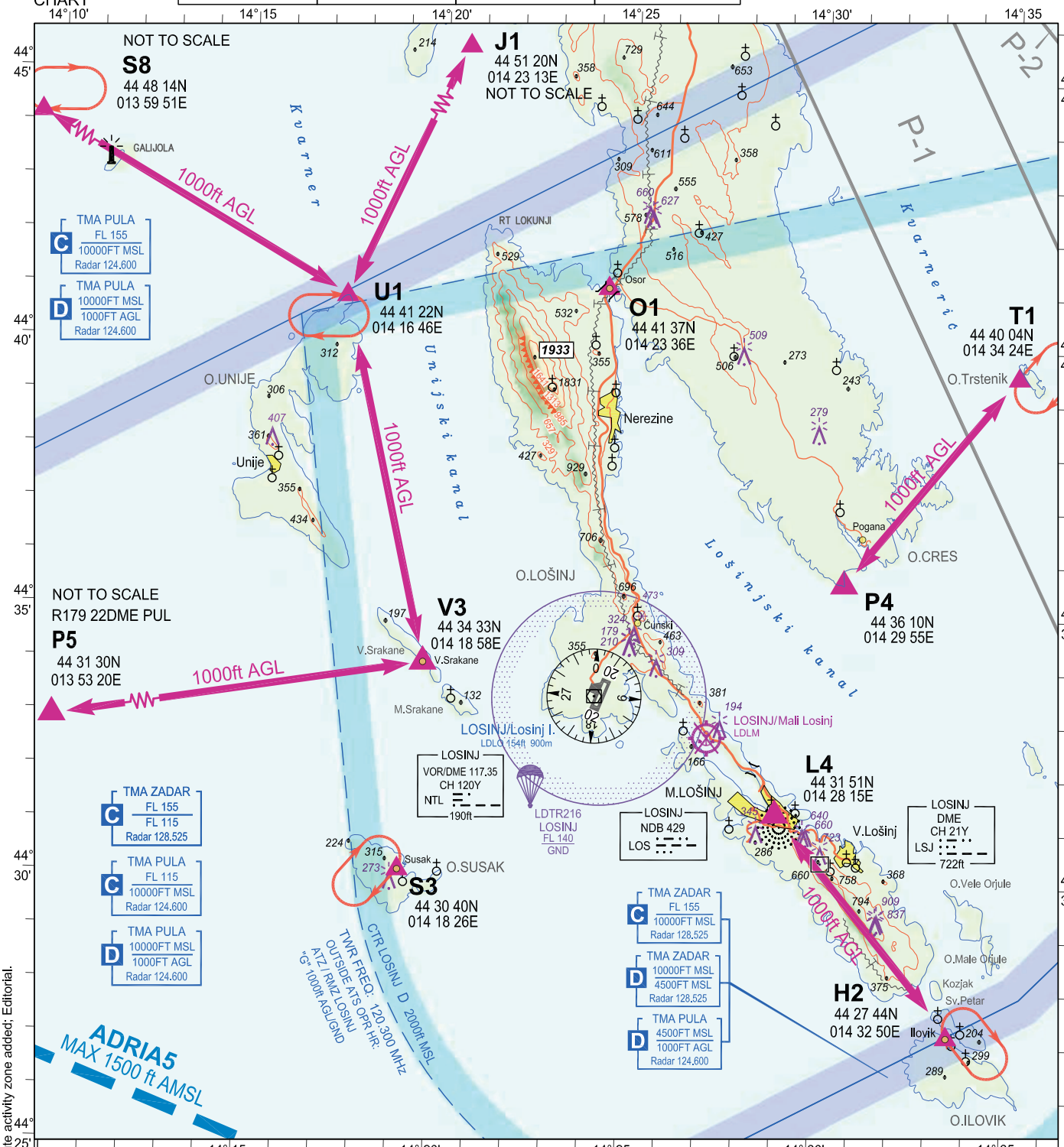
VISUAL OPERATION CHART

ARP	AD ELEV 154				
44° 33' 57"N 014° 23' 35"E		LOSINJ TOWER 120.300		PULA RADAR	124.600
					127.675
		LOSINJ RADIO 120.300		ZADAR RADAR	128.525

LOSINJ / Losinj I. (LDLO)



Reporting Point	Definition
H2	Island Ilovik
J1	Lake Vransko jezero
L4	Town Mali Lošinj
O1	Village Osor
P4	The southernmost cape of the island Cres
P5	R179 22DME PUL
S3	Island Susak
S8	Cape of Marlera
T1	Island Trstenik
U1	The northernmost cape of the island Unije
V3	Island Vele Srakane

Two-way radio communication required. Contact Tower normally at reporting points or any other point but not later than 5min prior to entering CTR/RMZ.

SCALE 1:200 000

2 0 5 km
1 0 3 NM

(m) ft ELEVATION TINTS
(800) 2625
(400) 1313
(0) 0

VAR 4° E 2019

ALTITUDES AND ELEVATIONS IN FT

ATTENTION:
For latest information consult relevant publications, and NOTAMs!
Prominent transmission lines data not complete!
No guarantee for the completeness and accuracy of obstacles!

LEGEND

Holding fix with WGS-84 coordinates — H2 44 27 44N 014 32 50E
Significant VFR point — J1
Recommended VFR route — ADRIA5
Mandatory (arrival - departure) VFR route

CHANGE: TMAs classification vertical limits; Parachute activity zone added; Editorial.

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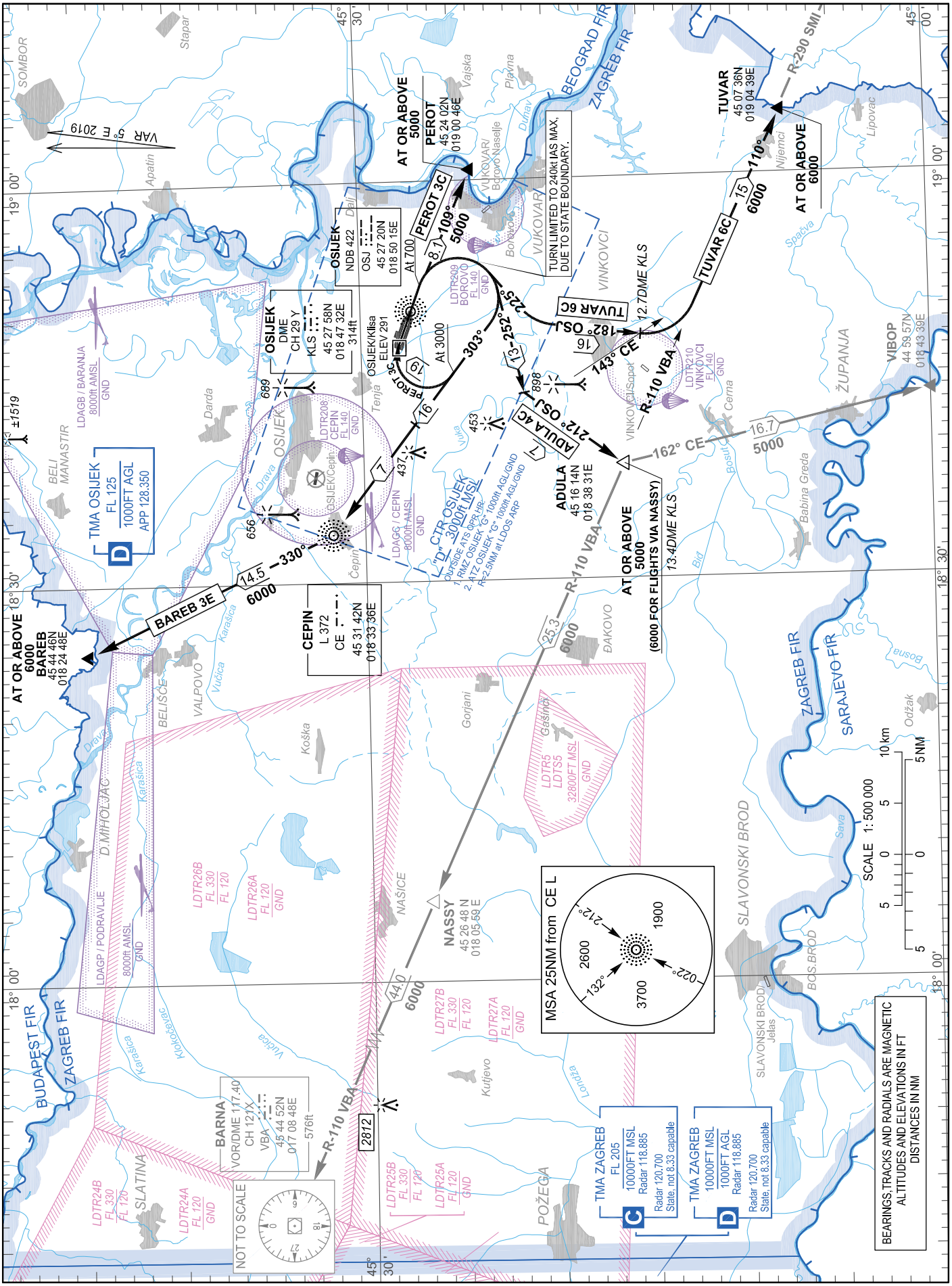
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

OSIJEK TOWER	128.350
OSIJEK APPROACH	128.350
OSIJEK APPROACH ALTN	125.850

OSIJEK / Klisa (LDOS)
RWY 11

BAREB 3E TUVAR 6C ADULA 4C PEROT 3C



CHANGE: TMA Zagreb classification vertical limits; Parachuting zones added; Editorial.

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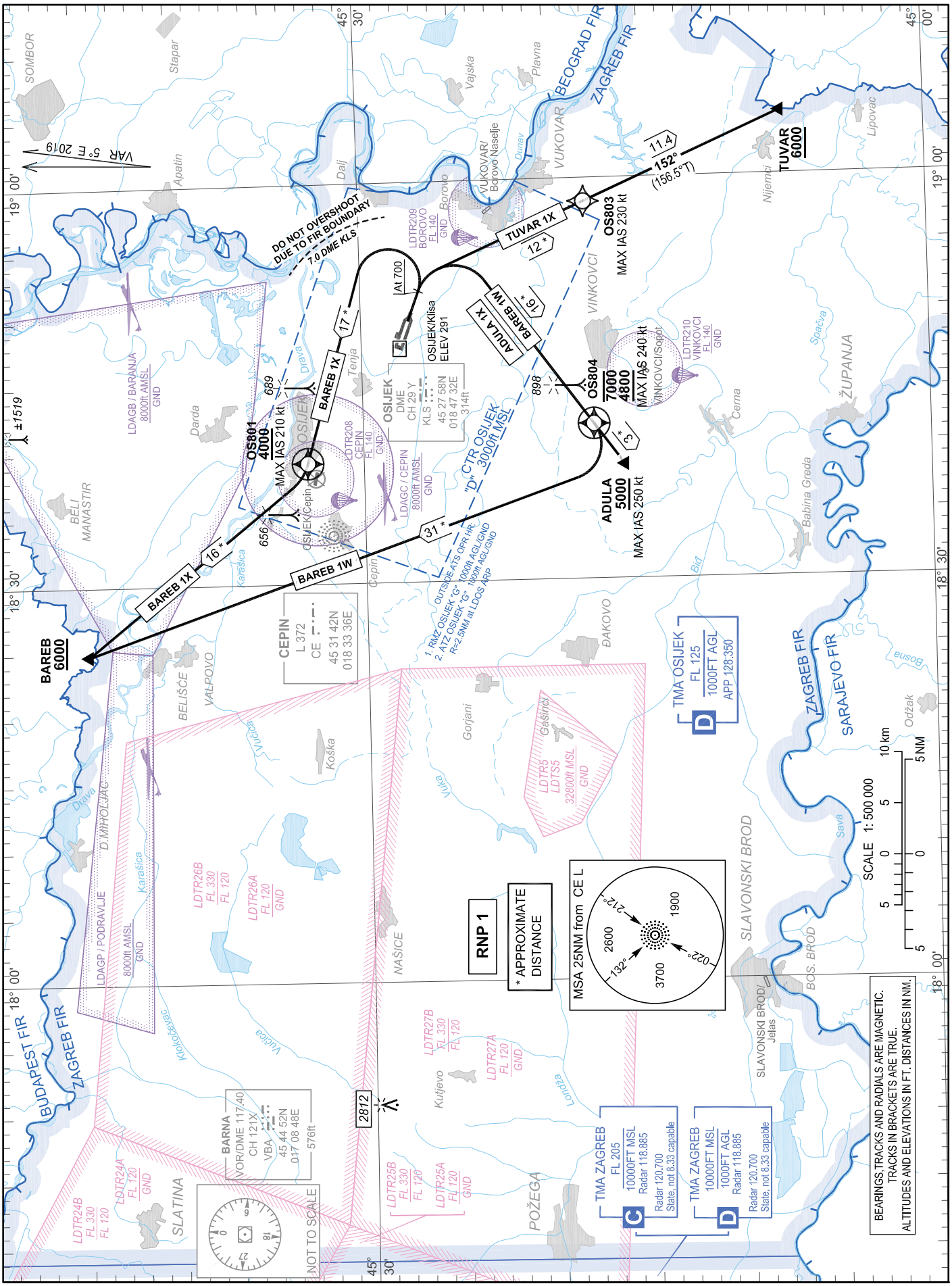
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

OSIJEK TOWER	128.350
OSIJEK APPROACH	128.350
OSIJEK APPROACH ALTN	125.850

OSIJEK / Klisa (LDOS)
RNP RWY 11

BAREB 1X TUVAR 1X ADULA 1X BAREB 1W



CHANGE: TMA Zagreb classification vertical limits; Parachuting zones added; Editorial.

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OSIJEK / Klisa (LDOS)

RNP RWY 11

BAREB 1X TUVAR 1X ADULA 1X BAREB 1W

Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 ft/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary this is indicated in the tabular description of the route.

LDOS RNP STANDARD INSTRUMENT DEPARTURE RWY 11

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	BAREB 1X	CA	-	-	106° (110.5°T)	5°E	-	-	@700	-	MNM PDG 5.5% to OS801. Do not overshoot 7.0 DME KLS during turn towards OS801.	RNP 1
020		DF	OS801	Y	-	5°E	-	L	+4000	-210		
030		DF	BAREB	-	-	5°E	-	R	+6000	-		
010	TUVAR 1X	CA	-	-	106° (110.5°T)	5°E	-	-	@700	-	-	RNP 1
020		DF	OS803	-	-	5°E	-	R	-	-230		
030		TF	TUVAR	-	152° (156.5°T)	5°E	11.4	-	+6000	-		
010	ADULA 1X	CA	-	-	106° (110.5°T)	5°E	-	-	@700	-	No turn before DER	RNP 1
020		DF	ADULA	-	-	5°E	-	R	+5000	-250		
010	BAREB 1W	CA	-	-	106° (110.5°T)	5°E	-	-	@700	-	No turn before DER	RNP 1
020		DF	OS804	Y	-	5°E	-	R	-7000 +4800	-240		
030		DF	BAREB	-	-	5°E	-	R	+6000	-		

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
ADULA	451614N	0183831E
BAREB	454446N	0182448E
TUVAR	450736N	0190439E
OS801	453258.4N	0183903.6E
OS803	451805.0N	0185813.0E
OS804	451748.8N	0184135.0E

CHANGE: TMA Zagreb classification vertical limits; Parachuting zones added; Editorial.

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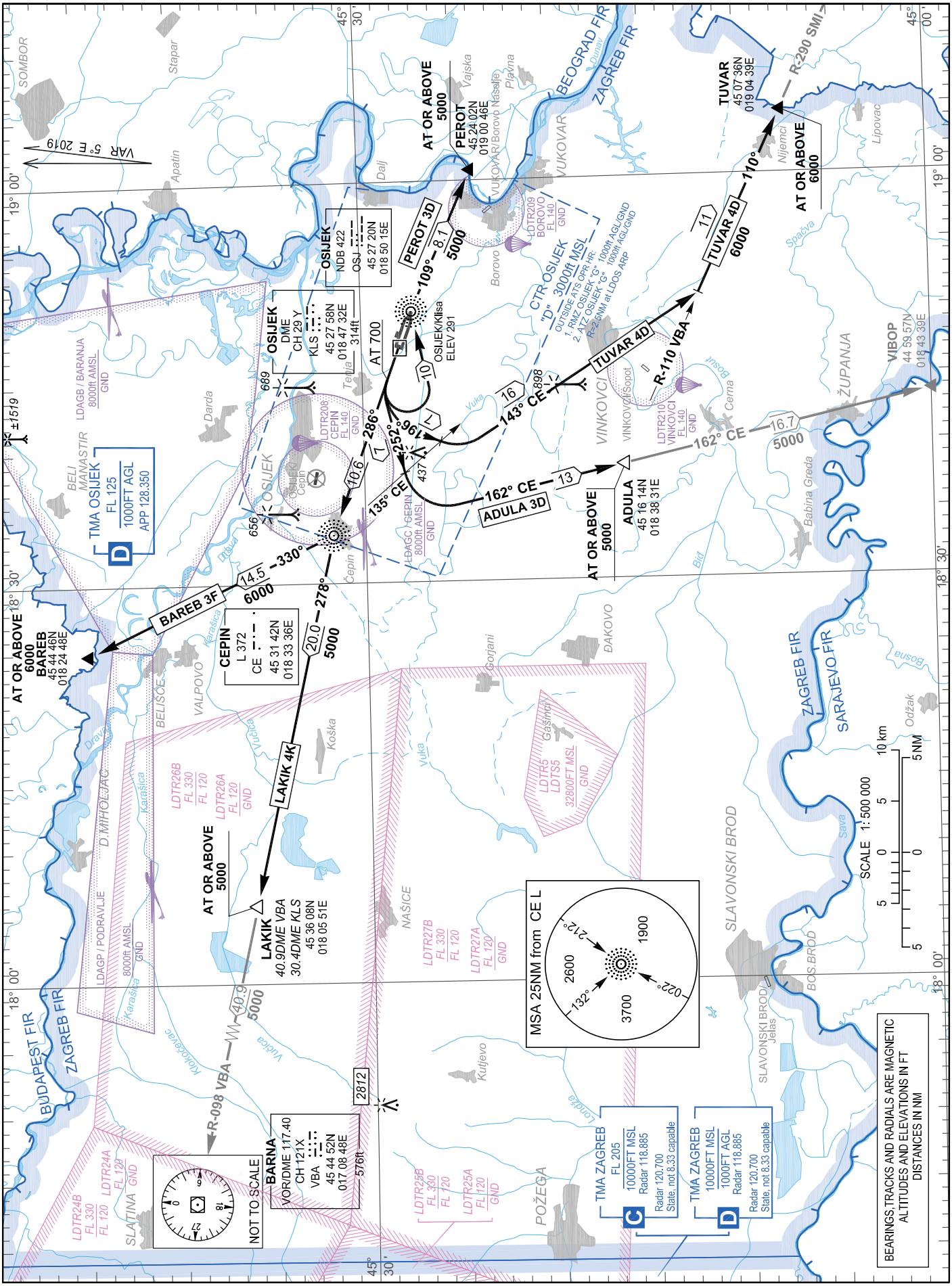
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

OSIJEK TOWER	128.350
OSIJEK APPROACH	128.350
OSIJEK APPROACH ALTN	125.850

OSIJEK / Klisa (LDOS)
RWY 29

LAKIK 4K BAREB 3F
TUVAR 4D ADULA 3D PEROT 3D



CHANGE: TMA Zagreb classification vertical limits; Parachuting zones added; Editorial.

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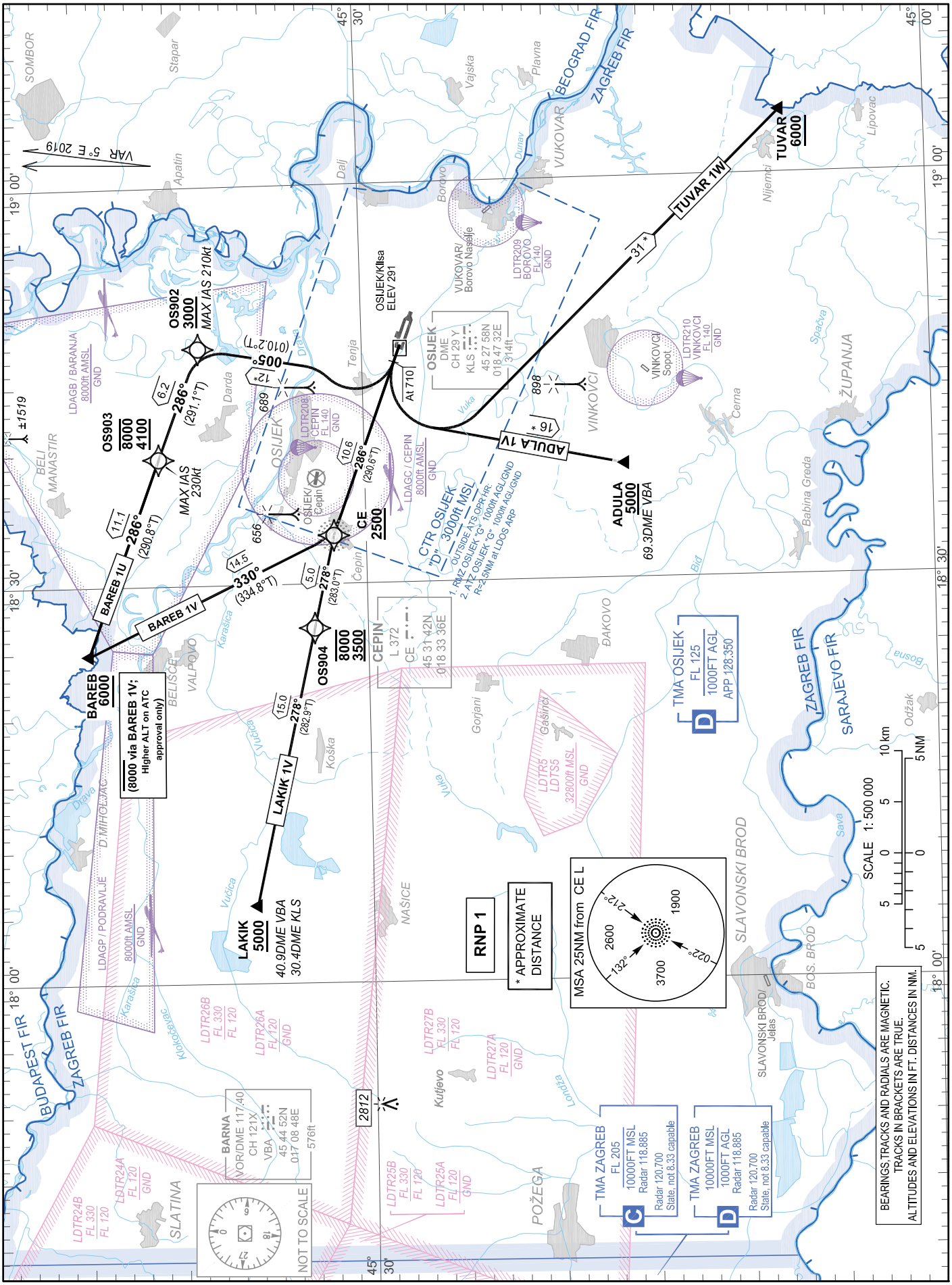
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

OSIJEK TOWER	128.350
OSIJEK APPROACH	128.350
OSIJEK APPROACH ALTN	125.850

OSIJEK / Klisa (LDOS)
RNP RWY 29

BAREB 1U BAREB 1V
LAKIK 1V ADULA 1V TUVAR 1W



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OSIJEK / Klisa (LDOS)

RNP RWY 29 BAREB 1U BAREB 1V LAKIK 1V ADULA 1V TUVAR 1W

Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 ft/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary this is indicated in the tabular description of the route.

LDOS RNP STANDARD INSTRUMENT DEPARTURE RWY 29

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	BAREB 1U	CA	-	-	286° (290.6°T)	5°E	-	-	@710	-	MNM PDG 3.5% to 1800 ft AMSL	RNP 1
020		CF	OS902	-	005° (010.2°T)	5°E	-	-	+3000	-210		
030		TF	OS903	-	286° (291.1°T)	5°E	6.2	-	-8000 +4100	-230		
040		TF	BAREB	-	286° (290.8°T)	5°E	11.1	-	+6000	-		
010	BAREB 1V	CF	CE	-	286° (290.6°T)	5°E	10.6	-	+2500	-	(1) Higher ALT on ATC approval only	RNP 1
020		TF	BAREB	-	330° (334.8°T)	5°E	14.5	-	-8000(1) +6000	-		
010	LAKIK 1V	CF	CE	-	286° (290.6°T)	5°E	10.6	-	+2500	-	-	RNP 1
020		TF	OS904	-	278° (283.0°T)	5°E	5.0	-	-8000 +3500	-		
030		TF	LAKIK	-	278° (282.9°T)	5°E	15.0	-	+5000	-		
010	ADULA 1V	CA	-	-	286° (290.6°T)	5°E	-	-	@710	-	-	RNP 1
020		DF	ADULA	-	-	5°E	-	L	+5000	-		
010	TUVAR 1W	CA	-	-	286° (290.6°T)	5°E	-	-	@710	-	-	RNP 1
020		DF	TUVAR	-	-	5°E	-	L	+6000	-		

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
ADULA	451614N	0183831E
BAREB	454446N	0182448E
LAKIK	453608N	0180551E
TUVAR	450736N	0190439E
CE	453142.33N	0183336.18E
OS902	453838.8N	0184749.3E
OS903	454052.2N	0183933.6E
OS904	453249.5N	0182640.2E

CHANGE: TMA Zagreb classification vertical limits; Parachuting zones added; Editorial.

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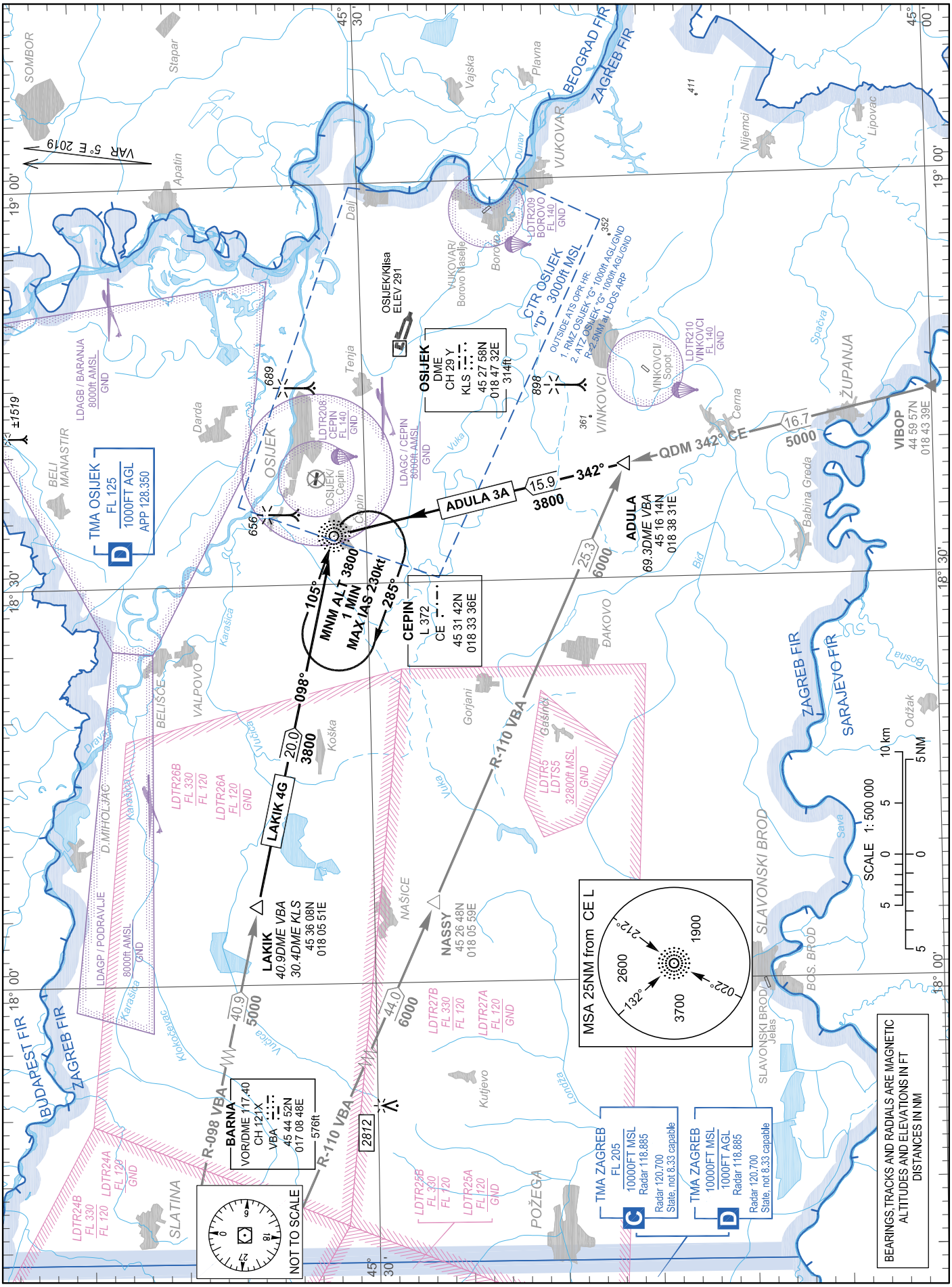
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

OSIJEK APPROACH	128.350
OSIJEK APPROACH ALTN	125.850
OSIJEK TOWER	128.350

OSIJEK / Klisa (LDOS)
RWY 11
LAKIK 4G ADULA 3A



CHANGE: TMA Zagreb classification vertical limits; Parachuting zones added; Notes; Editorial.

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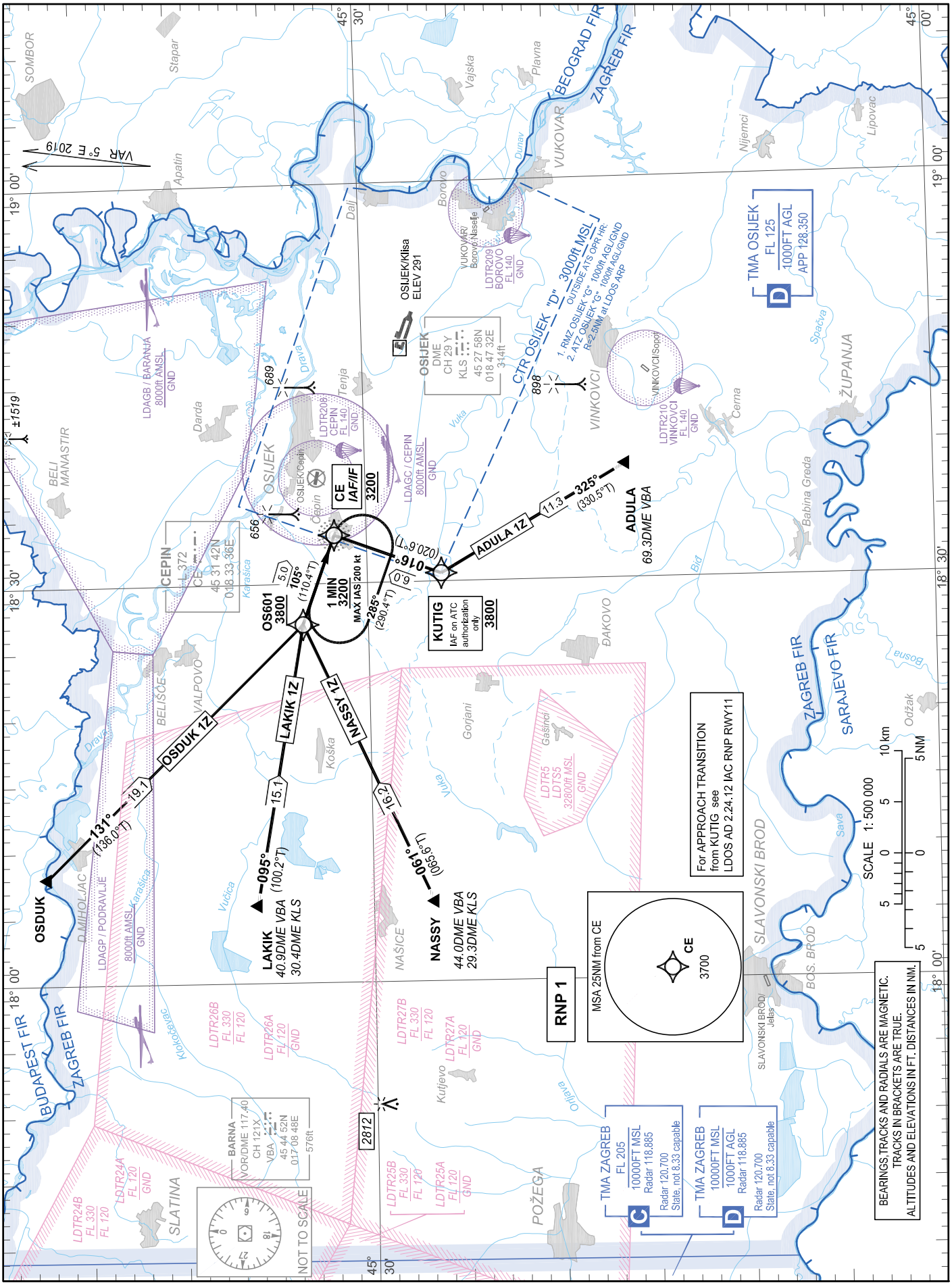
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

OSIJEK APPROACH	128.350
OSIJEK APPROACH ALTN	125.850
OSIJEK TOWER	128.350

OSIJEK / Klisa (LDOS)
RNP RWY 11

LAKIK 1Z OSDUK 1Z ADULA 1Z NASSY 1Z



CHANGE: TMA Zagreb classification vertical limits; Parachuting zones added; Notes; Editorial.

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OSIJEK / Klisa (LDOS)
RNP RWY 11
LAKIK 1Z OSDUK 1Z ADULA 1Z NASSY 1Z

LDOS RNP STANDARD ARRIVAL RWY 11

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	LAKIK 1Z	IF	LAKIK	-	-	5°E	-	-	-	-	-	RNP 1
020		TF	OS601	-	095° (100.2°T)	5°E	15.1	-	+3800	-	-	
030		TF	CE	-	105° (110.4°T)	5°E	5.0	-	+3200	-	IAF/IF	
010	OSDUK 1Z	IF	OSDUK	-	-	5°E	-	-	-	-	-	RNP 1
020		TF	OS601	-	131° (136.0°T)	5°E	19.1	-	+3800	-	-	
030		TF	CE	-	105° (110.4°T)	5°E	5.0	-	+3200	-	IAF/IF	
010	ADULA 1Z	IF	ADULA	-	-	5°E	-	-	-	-	-	RNP 1
020		TF	KUTIG	-	325° (330.5°T)	5°E	11.3	-	+3800	-	IAF on ATC authorization only	
030		TF	CE	-	016° (020.6°T)	5°E	6.0	-	+3200	-	IAF/IF	
010	NASSY 1Z	IF	NASSY	-	-	5°E	-	-	-	-	-	RNP 1
020		TF	OS601	-	061° (065.6°T)	5°E	16.2	-	+3800	-	-	
030		TF	CE	-	105° (110.4°T)	5°E	5.0	-	+3200	-	IAF/IF	

IAF on ATC authorization only: For APPROACH TRANSITION from KUTIG see LDOS AD 2.24.12 IAC RNP RWY 11

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
CE	HM	105° (110.4°T)	1MIN / -	R	3200	-	200	5°E	-	RNP 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
ADULA	451614N	0183831E
OSDUK	454715N	0180801E
KUTIG	452605.5N	0183035.9E
LAKIK	453608N	0180551E
NASSY	452648N	0180559E
CE	453142.33N	0183336.18E
OS601	453326.9N	0182656.1E

CHANGE: TMA Zagreb classification vertical limits; Parachuting zones added; Notes; Editorial.

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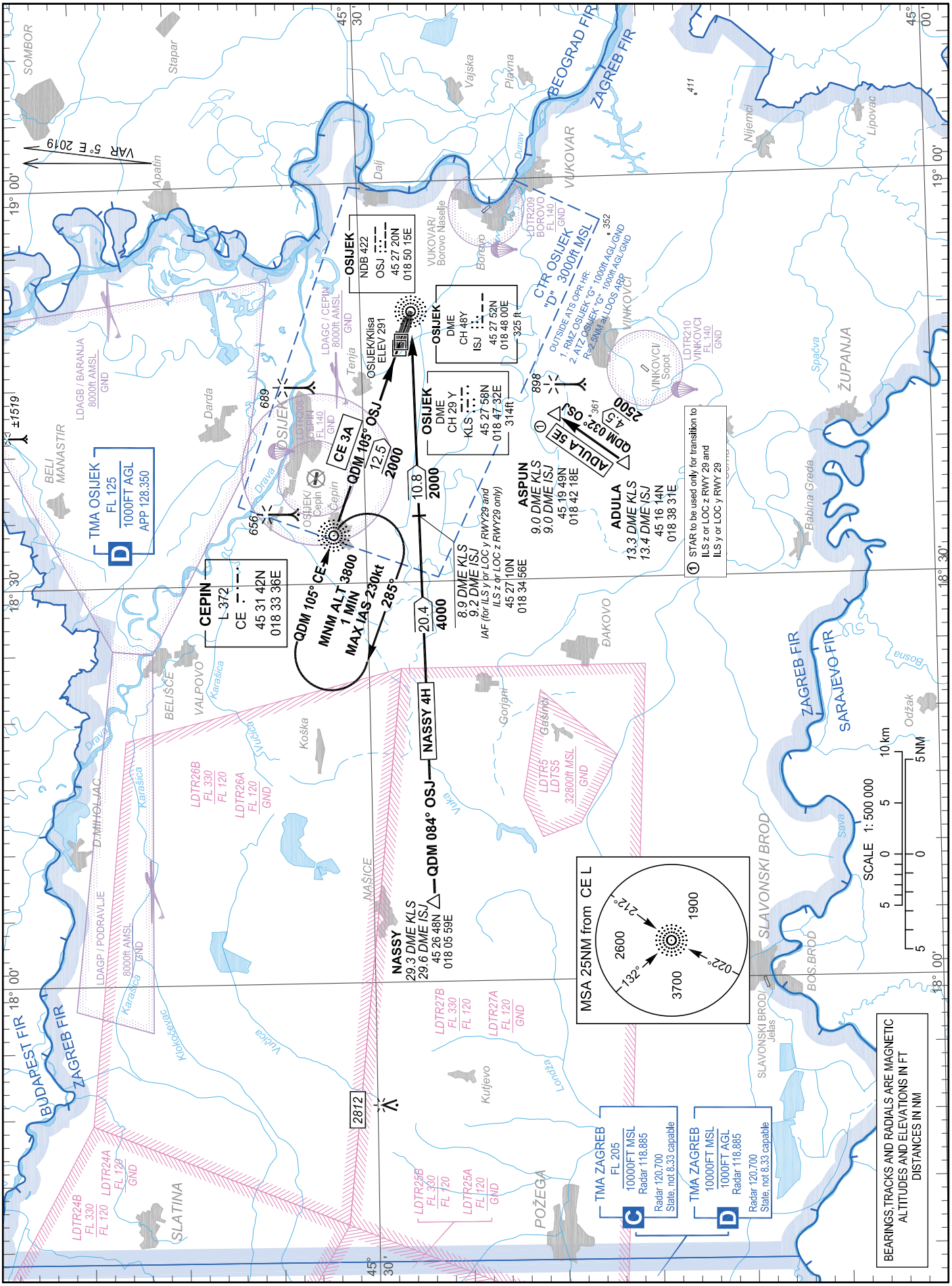
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

OSIJEK APPROACH	128.350
OSIJEK APPROACH ALTN	125.850
OSIJEK TOWER	128.350

OSIJEK / Klisa (LDOS)
RWY 29
CE 3A ADULA 5E NASSY 4H



CHANGE: TMA Zagreb classification vertical limits; Parachuting zones added; Notes; Editorial.

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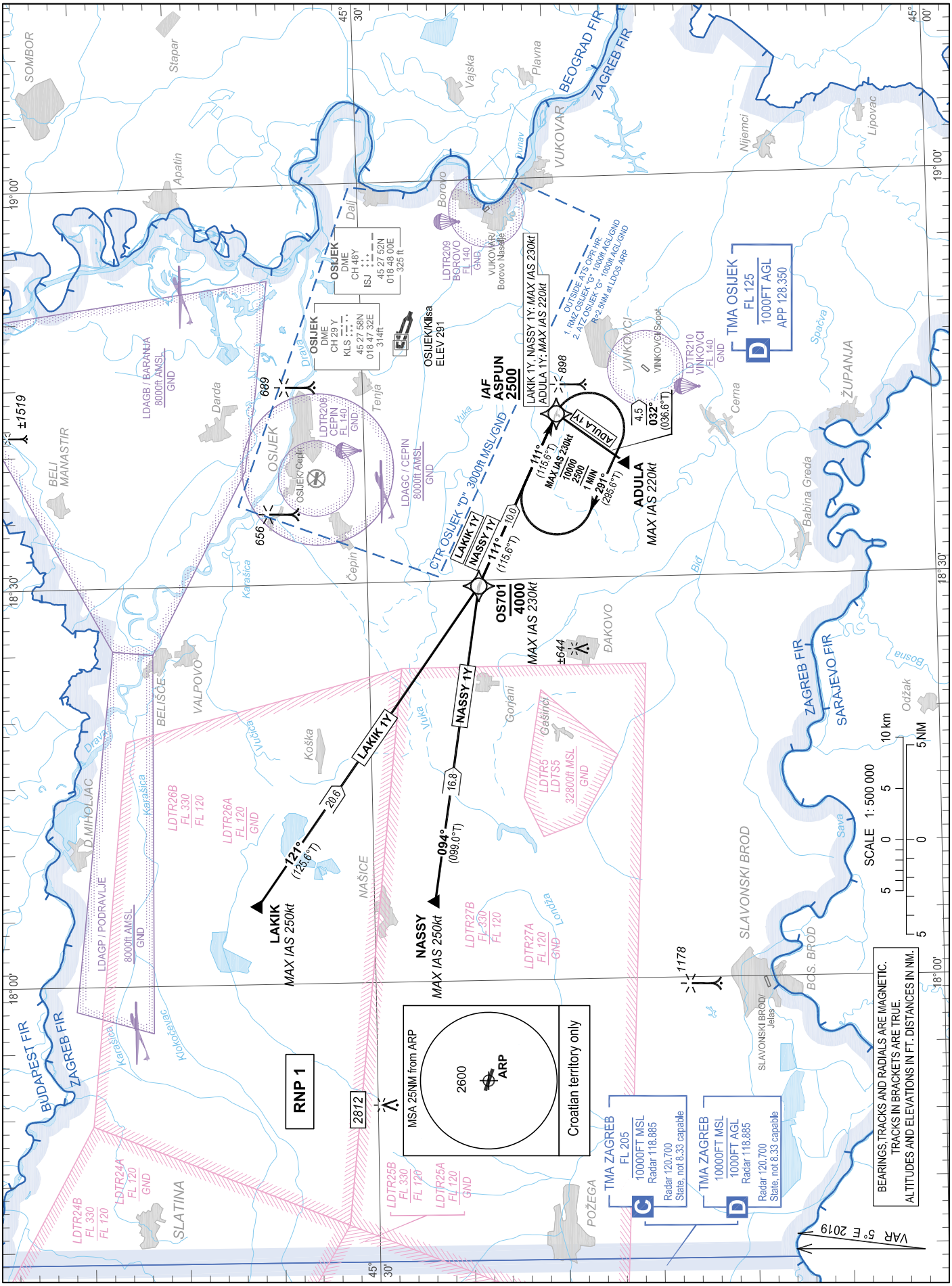
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

OSIJEK APPROACH	128.350
OSIJEK APPROACH ALTN	125.850
OSIJEK TOWER	128.350

OSIJEK / Klisa (LDOS)
RNP RWY 29
ADULA 1Y LAKIK 1Y NASSY 1Y



CHANGE: TMA Zagreb classification vertical limits; Parachuting zones added; Notes; Editorial.

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OSIJEK / Klisa (LDOS)
RNP RWY 29
ADULA 1Y LAKIK 1Y NASSY 1Y

LDOS RNP STANDARD ARRIVAL RWY 29

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	ADULA 1Y	IF	ADULA	-	-	5°E	-	-	-	-220	-	RNP 1
020		TF	ASPUN	-	032° (036.6°T)	5°E	4.5	-	+2500	-220	IAF	
010	LAKIK 1Y	IF	LAKIK	-	-	5°E	-	-	-	-250	-	RNP 1
020		TF	OS701	-	121° (125.6°T)	5°E	20.6	-	-4000	-230		
030		TF	ASPUN	-	111° (115.6°T)	5°E	10.0	-	+2500	-230	IAF	
010	NASSY 1Y	IF	NASSY	-	-	5°E	-	-	-	-250	-	RNP 1
020		TF	OS701	-	094° (099.0°T)	5°E	16.8	-	-4000	-230	-	
030		TF	ASPUN	-	111° (115.6°T)	5°E	10.0	-	+2500	-230	IAF	

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
ASPUN	HM	111° (115.6°T)	1MIN / -	R	2500	10000	230	5°E	-	RNP 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
ADULA	451614N	0183831E
ASPUN	451948.8N	0184217.9E
LAKIK	453608N	0180551E
NASSY	452648N	0180559E
OS701	452408.0N	0182933.2E

CHANGE: TMA Zagreb classification vertical limits; Parachuting zones added; Notes; Editorial.

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ATC SURVEILLANCE MINIMUM ALTITUDE CHART - ICAO

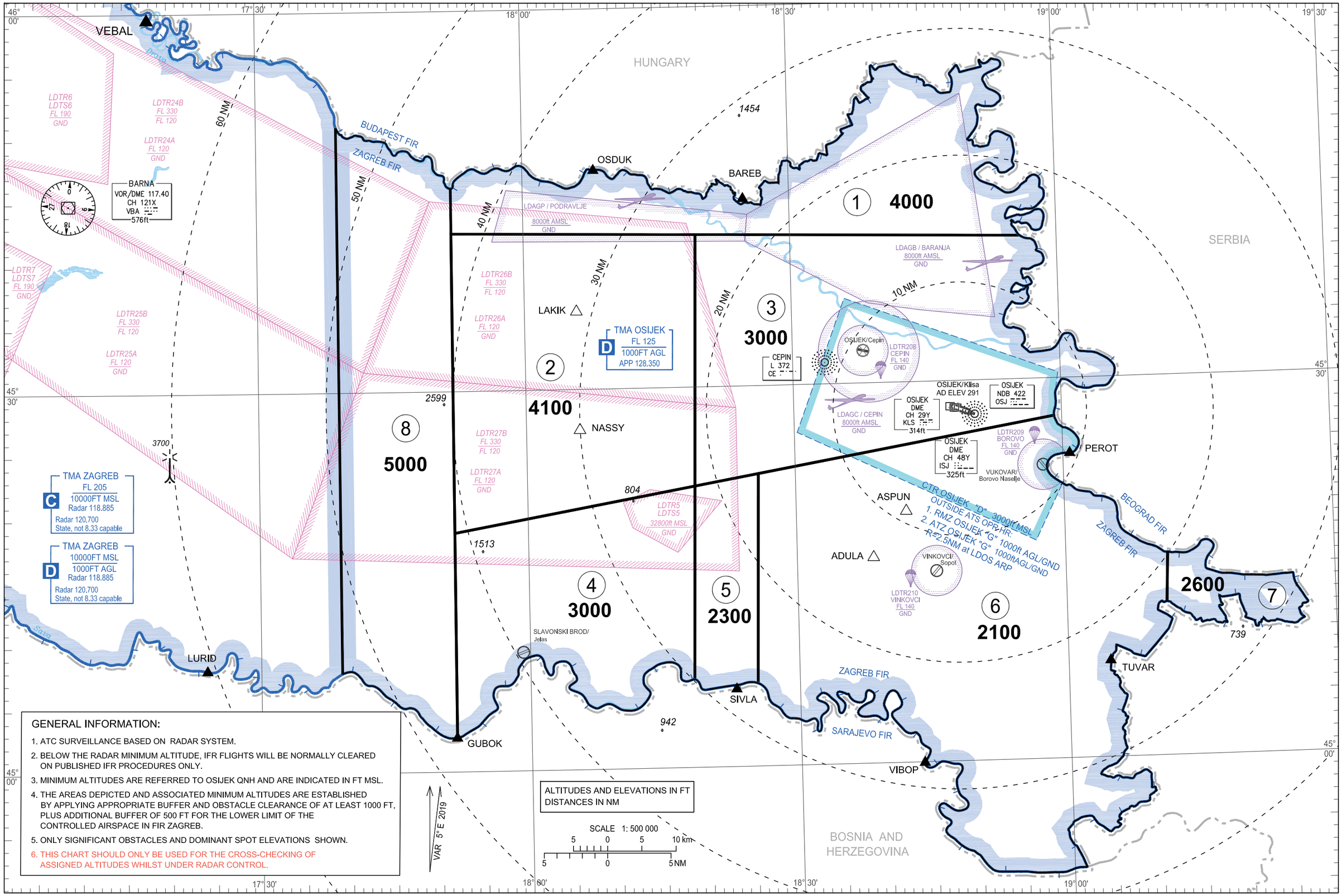
TRANSITION ALTITUDE
10 000

AD ELEV 291 ft

ZAGREB ACC	135.800 MHz
ZAGREB ACC	132.125 MHz

OSIJEK APPROACH	128.350 MHz
OSIJEK APPROACH ALTN	125.850 MHz

OSIJEK / Klisa (LDOS)



GENERAL INFORMATION:

1. ATC SURVEILLANCE BASED ON RADAR SYSTEM.
2. BELOW THE RADAR MINIMUM ALTITUDE, IFR FLIGHTS WILL BE NORMALLY CLEARED ON PUBLISHED IFR PROCEDURES ONLY.
3. MINIMUM ALTITUDES ARE REFERRED TO OSIJEK QNH AND ARE INDICATED IN FT MSL.
4. THE AREAS DEPICTED AND ASSOCIATED MINIMUM ALTITUDES ARE ESTABLISHED BY APPLYING APPROPRIATE BUFFER AND OBSTACLE CLEARANCE OF AT LEAST 1000 FT, PLUS ADDITIONAL BUFFER OF 500 FT FOR THE LOWER LIMIT OF THE CONTROLLED AIRSPACE IN FIR ZAGREB.
5. ONLY SIGNIFICANT OBSTACLES AND DOMINANT SPOT ELEVATIONS SHOWN.
6. THIS CHART SHOULD ONLY BE USED FOR THE CROSS-CHECKING OF ASSIGNED ALTITUDES WHILST UNDER RADAR CONTROL.

ALTITUDES AND ELEVATIONS IN FT
DISTANCES IN NM

CHANGE: TMA Zagreb classification vertical limits; Parachuting zones added; Significant point LAPOV deleted; Editorial.

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LIST OF COORDINATES FOR
MINIMUM VECTORING ALTITUDE SECTORS

	WGS-84 latitude	WGS-84 longitude
SECTOR 1	454601N	0175154E
	along FIR BDRY Zagreb - Budapest	
	along FIR BDRY Zagreb - Beograd	
	454118N	0185553E
	454226N	0175153E
	454601N	0175154E

	WGS-84 latitude	WGS-84 longitude
SECTOR 2	454226N	0175153E
	454201N	0181922E
	452212N	0181844E
	451850N	0175146E
	454226N	0175153E

	WGS-84 latitude	WGS-84 longitude
SECTOR 3	454201N	0181922E
	454118N	0185553E
	along FIR BDRY Zagreb - Beograd	
	452702N	0185910E
	452212N	0181844E
	454201N	0181922E

	WGS-84 latitude	WGS-84 longitude
SECTOR 4	451850N	0175146E
	452212N	0181844E
	450657N	0181814E
	along FIR BDRY Zagreb - Sarajevo	
	450241N	0175142E
	451850N	0175146E

	WGS-84 latitude	WGS-84 longitude
SECTOR 5	452212N	0181844E
	452304N	0182551E
	450632N	0182517E
	along FIR BDRY Zagreb - Sarajevo	
	450657N	0181814E
	452212N	0181844E

	WGS-84 latitude	WGS-84 longitude
SECTOR 6	452304N	0182551E
	452702N	0185910E
	along FIR BDRY Zagreb - Beograd	
	451600N	0191122E
	451207N	0191107E
	along FIR BDRY Zagreb - Beograd	
	along FIR BDRY Zagreb - Sarajevo	
	450632N	0182517E
	452304N	0182551E

	WGS-84 latitude	WGS-84 longitude
SECTOR 7	451600N	0191122E
	along FIR BDRY Zagreb - Beograd	
	451207N	0191107E
	451600N	0191122E

	WGS-84 latitude	WGS-84 longitude
SECTOR 8	455055N	0173903E
	along FIR BDRY Zagreb - Budapest	
	454601N	0175154E
	450241N	0175142E
	along FIR BDRY Zagreb - Sarajevo	
	450751N	0173900E
	455055N	0173903E

CHANGE: TMA Zagreb classification vertical limits; Parachuting zones added; Significant point LAPOV deleted; Editorial.

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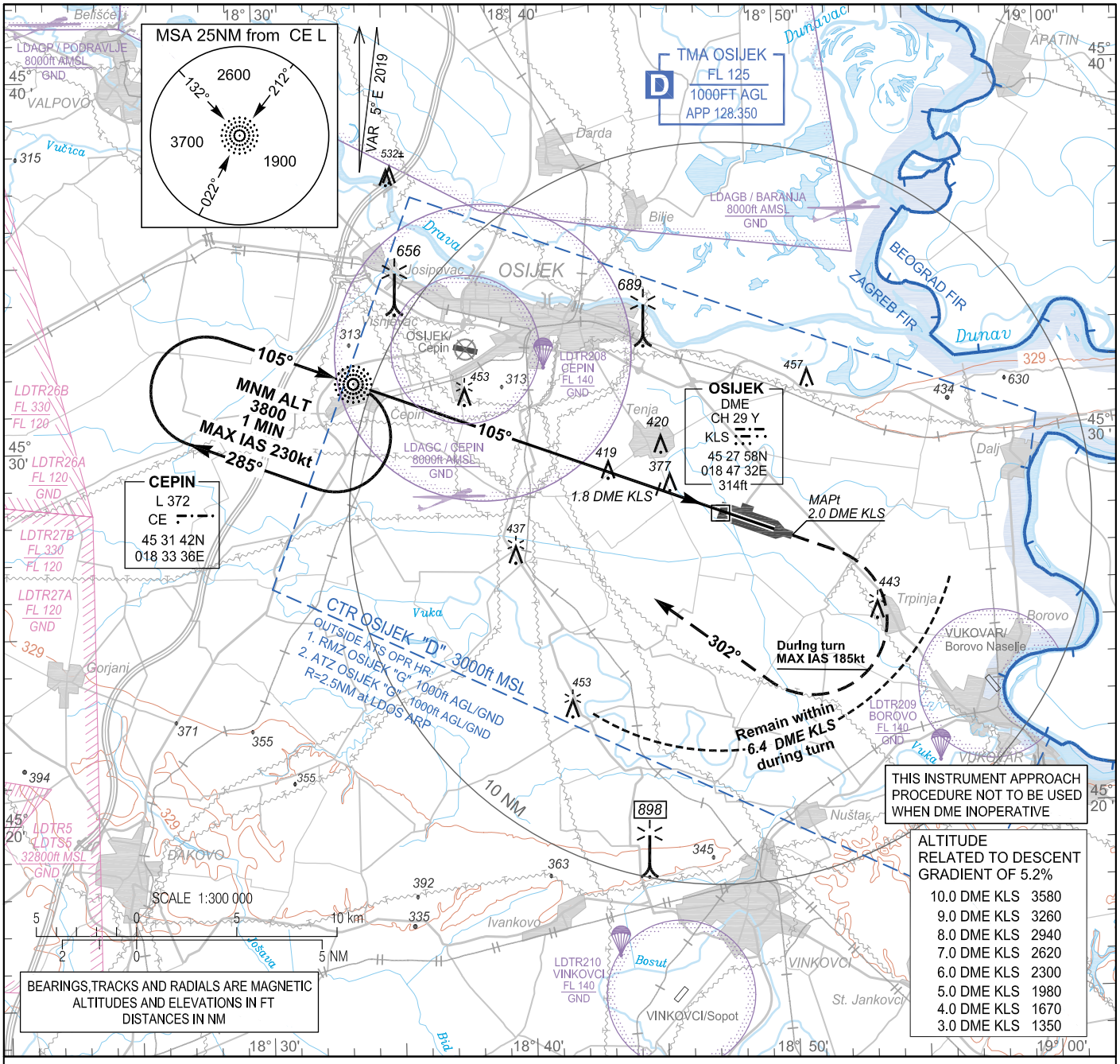
INSTRUMENT APPROACH CHART-ICAO

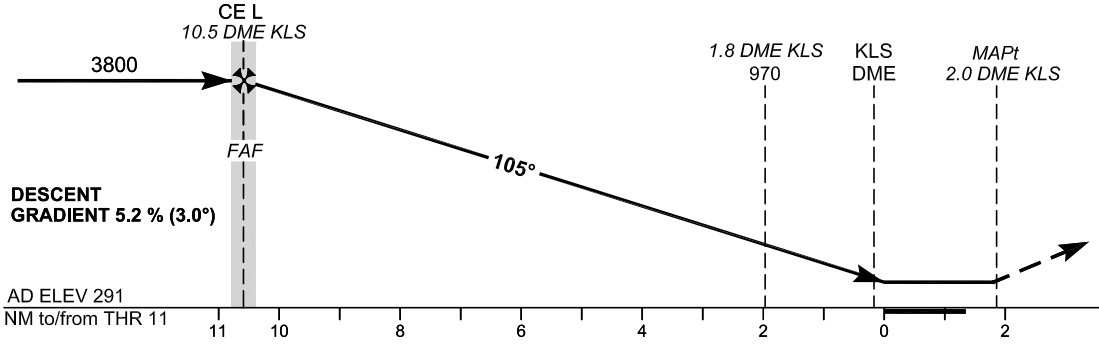
AD ELEV 291
HEIGHTS RELATED TO AD ELEV

OSIJEK APPROACH	128.350
OSIJEK APPROACH ALTN	125.850
OSIJEK TOWER	128.350

OSIJEK / Klisa (LDOS)

L RWY 11





TRANSITION ALT 10 000

MISSED APPROACH:
Turn RIGHT inbound CE L on QDM 302° CE climbing to 3800 and hold. Remain within 6.4 DME KLS during turn. Missed approach turn limited to 185kt IAS maximum.

Caution:
Missed approach MAX IAS 185kt and 6.4 DME KLS limitation during turn due to airspace Class G restriction only.

OCA(H)	A	B	C	D
Straight-in Approach	630 (340)			
Circling	690 (400)	790 (500)	890 (600)	1090 (800)

FAF to MAPt - 12.5 NM								
GS(kt)	70	80	90	100	120	140	160	180
min : sec	10:42	9:22	8:20	7:30	6:15	5:21	4:41	4:10
Rate of descent (ft / min)	372	425	478	531	637	743	849	955
Timing not authorized for defining the MAPt								

CHANGE: Parachuting zones added; Editorial.

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L RWY 11

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
L RWY 11			
Final approach descent angle: (1) 3.00°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (CE L)	453142.33N 0183336.18E	-	-
FAF (CE L)	453142.33N 0183336.18E	-	-
SDF	452839.9N 0184510.6E	110.41° (CE L)	1.80 DME KLS
MAPt	452719.4N 0185015.4E	110.41° (CE L)	2.02 DME KLS

(1) Descent point inside CE L cone (from CE L coordinate descent angle should read 3.06°)

CHANGE: Parachuting zones added; Editorial.

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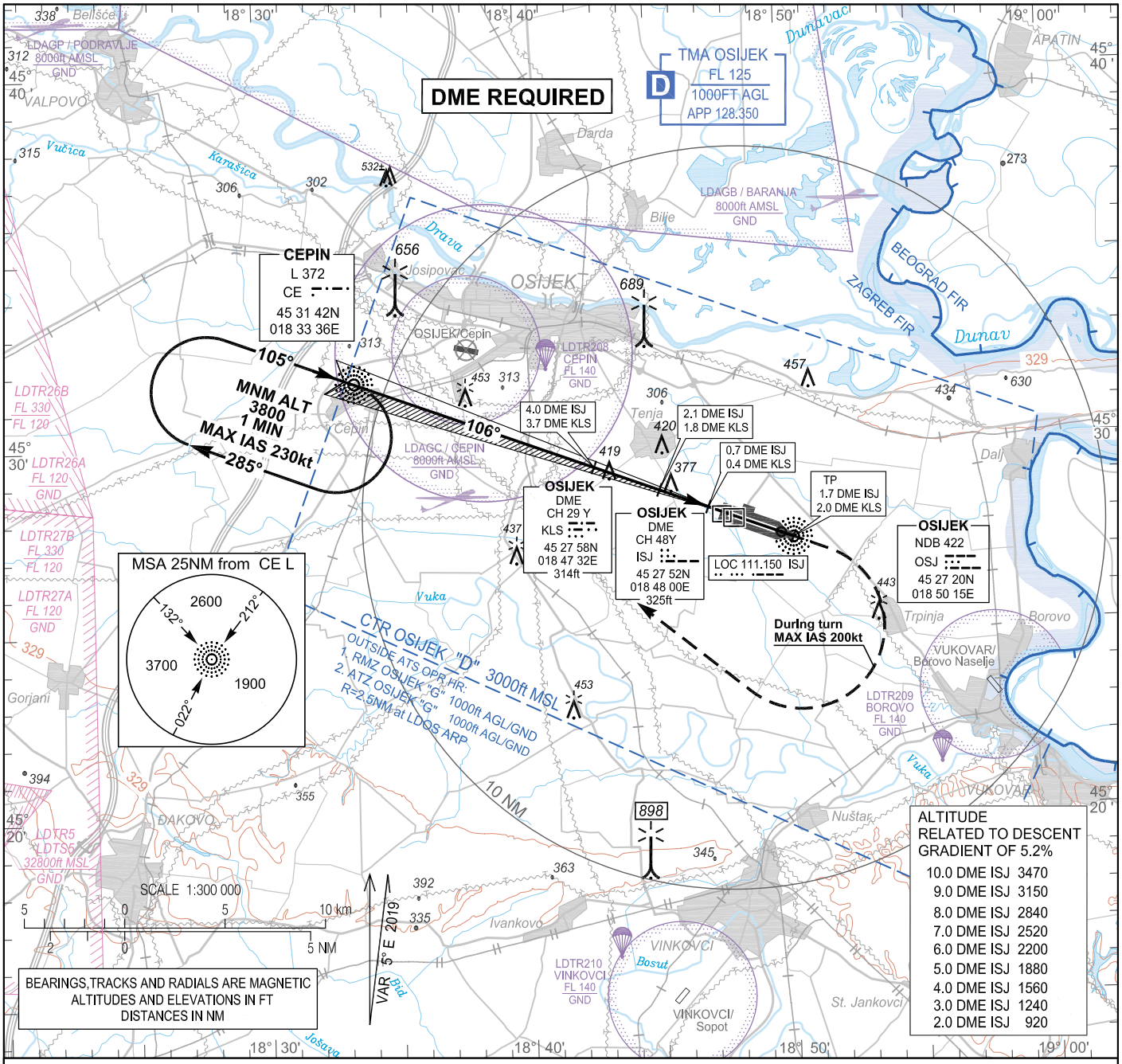
INSTRUMENT APPROACH CHART-ICAO

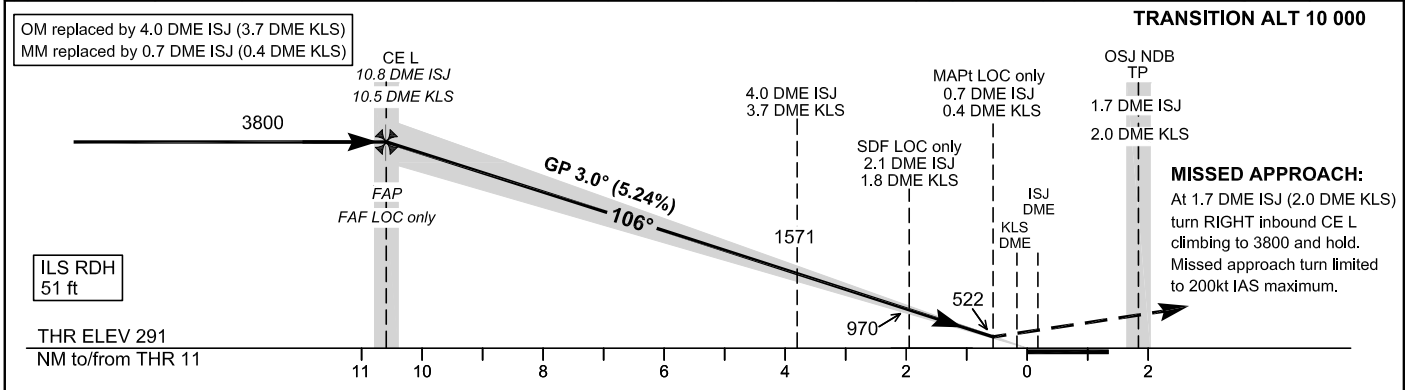
AD ELEV 291
HEIGHTS RELATED TO THR 11 ELEV 291

OSIJEK APPROACH	128.350
OSIJEK APPROACH ALTN	125.850
OSIJEK TOWER	128.350

OSIJEK / Klisa (LDOS)

ILS or LOC RWY 11





OCA(H)		A	B	C	D
Straight-in approach	ILS CAT I press. altim.	436 (145)	446 (155)	459 (168)	472 (181)
	LOC only	630 (340)			
Circling		690 (400)	790 (500)	890 (600)	1090 (800)

GS (kt)	70	100	120	140	160	180
Rate of descent (ft / min)	372	531	637	743	850	956

CHANGE: Parachuting zones added; Profile updated; Editorial.

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ILS or LOC RWY 11

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
ILS or LOC RWY 11			
LOC only - final approach descent angle: (1)3.00°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (CE L)	45 31 42.33N 018 33 36.18E	-	-
FAF LOC only / FAP (CE L)	45 31 42.33N 018 33 36.18E	-	-
SDF LOC only	45 28 39.9N 018 45 10.5E	110.54° (ISJ LOC)	2.14 DME ISJ (1.80 DME KLS)
MAPt LOC only	45 28 10.6N 018 47 01.7E	110.54° (ISJ LOC)	(2)0.75 DME ISJ (0.41 DME KLS)

(1) Descent point inside CE L cone (from CE L coordinate descent angle should read 3.06°)

(2) Higher resolution: 0.748 DME ISJ

CHANGE: Parachuting zones added; Profile updated; Editorial.

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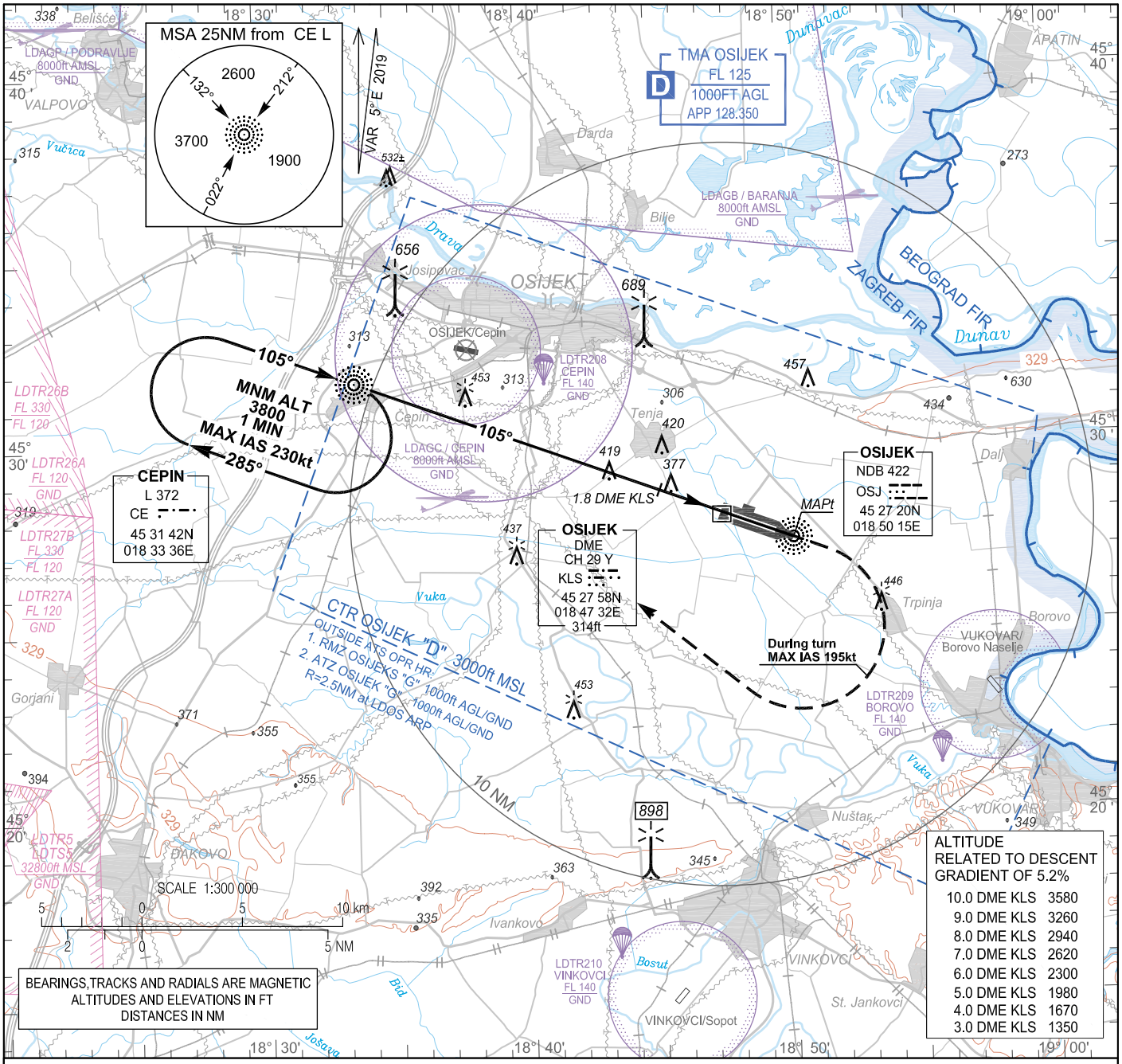
INSTRUMENT APPROACH CHART-ICAO

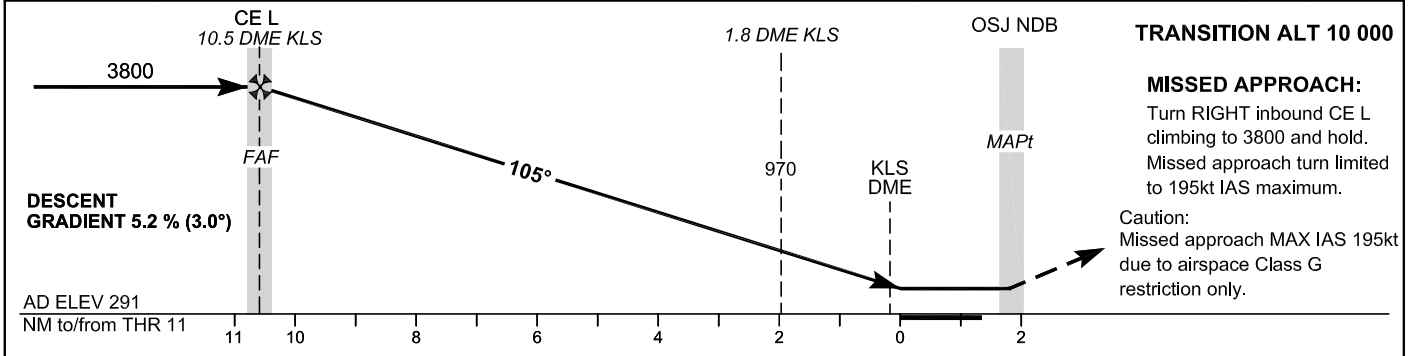
AD ELEV 291
HEIGHTS RELATED TO AD ELEV

OSIJEK APPROACH	128.350
OSIJEK APPROACH ALTN	125.850
OSIJEK TOWER	128.350

OSIJEK / Klisa (LDOS)

NDB RWY 11





TRANSITION ALT 10 000

MISSED APPROACH:
Turn RIGHT inbound CE L climbing to 3800 and hold.
Missed approach turn limited to 195kt IAS maximum.

Caution:
Missed approach MAX IAS 195kt due to airspace Class G restriction only.

OCA(H)	A	B	C	D
Straight-in Approach	630 (340)			
	WO DME 850 (560)			
Circling	850 (560)		890 (600)	1090 (800)

FAF to MAPt - 12.5 NM

GS(kt)	70	80	90	100	120	140	160	180
min : sec	10:42	9:22	8:20	7:30	6:15	5:21	4:41	4:10
Rate of descent (ft / min)	372	425	478	531	637	743	849	955

Timing not authorized for defining the MAPt

CHANGE: Parachuting zones added; Editorial.

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NDB RWY 11

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
NDB RWY 11			
Final approach descent angle: (1) 3.00°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (CE L)	45 31 42.33N 018 33 36.18E	-	-
FAF (CE L)	45 31 42.33N 018 33 36.18E	-	-
SDF	45 28 40.0N 018 45 10.6E	110.54° (OSJ NDB)	1.80 DME KLS
MAPt (OSJ NDB)	45 27 19.51N 018 50 15.39E	-	-

(1) Descent point inside CE L cone (from CE L coordinate descent angle should read 3.06°)

CHANGE: Parachuting zones added; Editorial.

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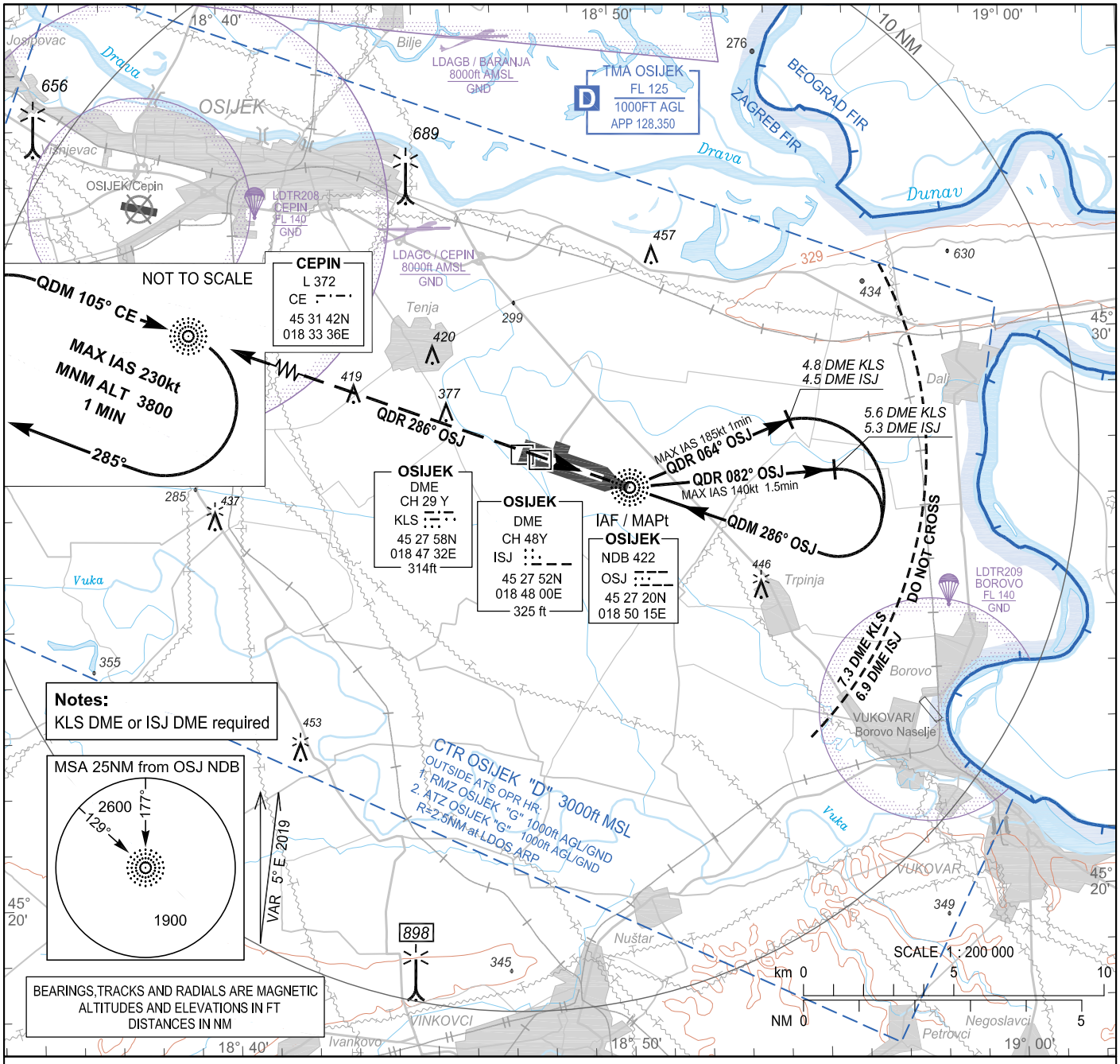
INSTRUMENT APPROACH CHART-ICAO

AD ELEV 291
HEIGHTS RELATED TO AD ELEV

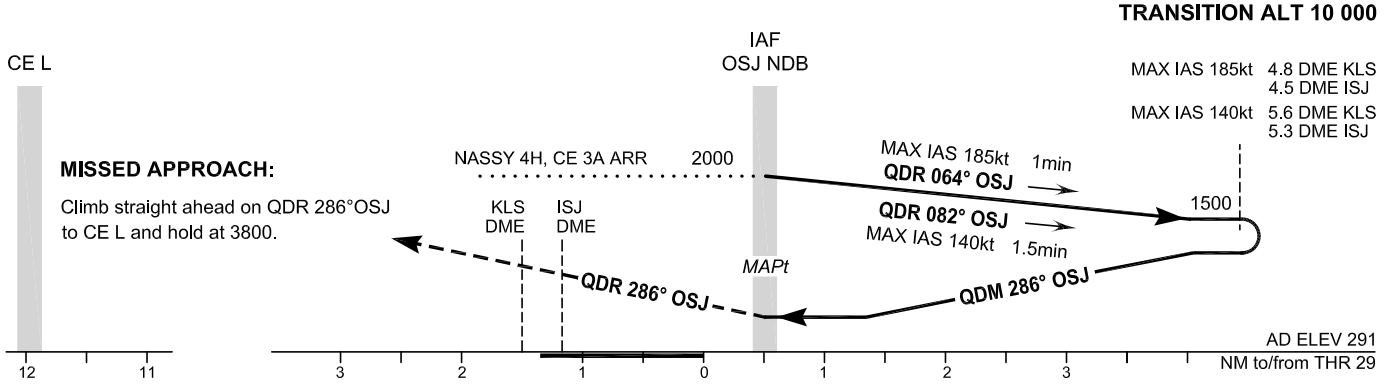
OSIJEK APPROACH	128.350
OSIJEK APPROACH ALTN	125.850
OSIJEK TOWER	128.350

OSIJEK / Klisa (LDOS)

NDB RWY 29



TRANSITION ALT 10 000



OCA(H)	A	B	C	D
Straight-in Approach	680 (390)			
Circling	690 (400)	790 (500)	890 (600)	1090 (800)

CHANGE: Parachuting zones added; Editorial.

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NDB RWY 29

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
NDB RWY 29			
Final approach descent angle: -			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (OSJ NDB)	45 27 19.51N 018 50 15.39E	-	-
MAPt (OSJ NDB)		-	-

CHANGE: Parachuting zones added; Editorial.

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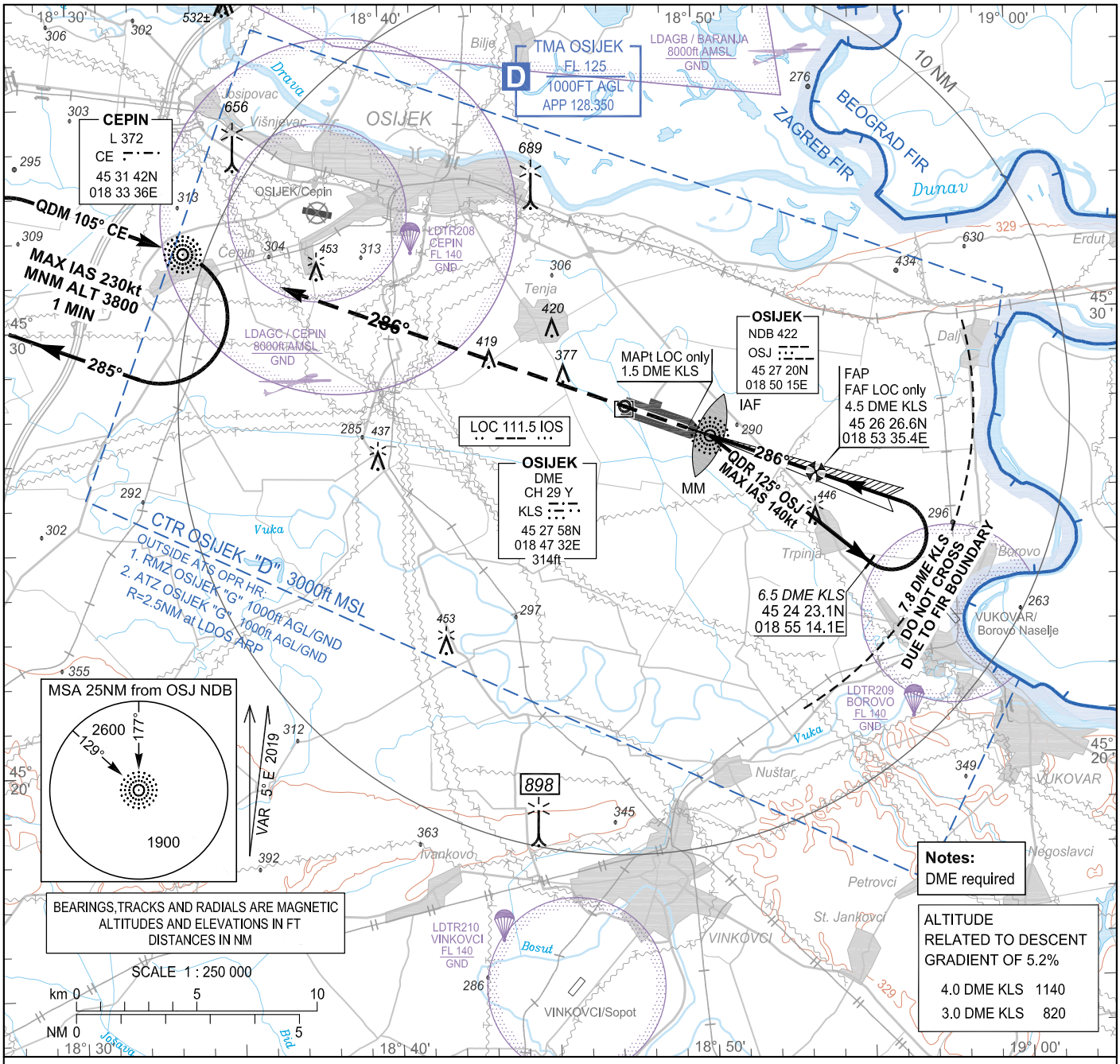
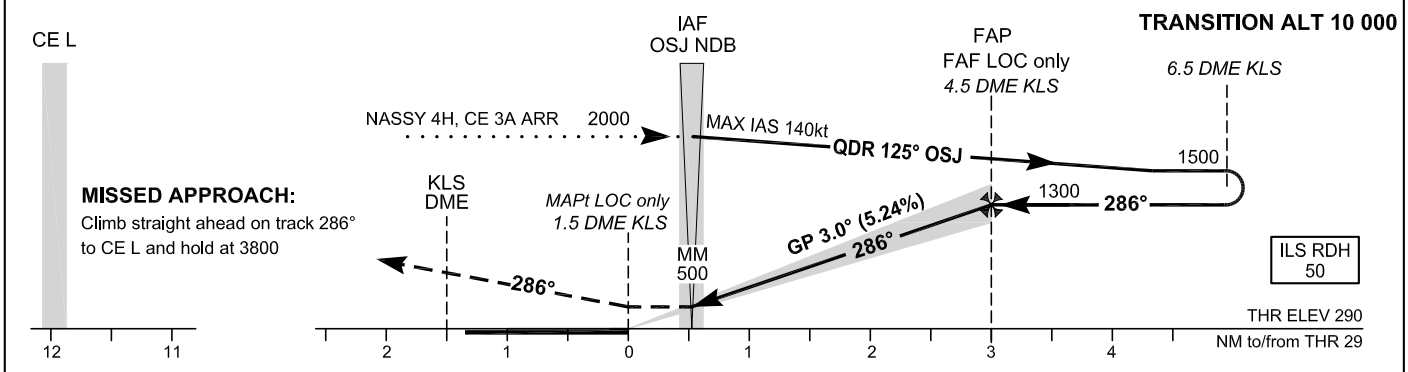
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 291
HEIGHTS RELATED
TO THR 29 ELEV 290

OSIJEK APPROACH	128.350
OSIJEK APPROACH ALTN	125.850
OSIJEK TOWER	128.350

OSIJEK / Klisa (LDOS)
ILS x or LOC x RWY 29
ACFT CAT A & B





OCA(H)		A	B
Straight-in Approach	ILS CAT I press. altim.	428 (138)	438 (148)
	LOC only	620 (330)	
Circling		690 (400)	790 (500)

FAF LOC only to MAPt distance – 3.0 NM
Timing not authorized for defining the MAPt

GS(kt)	70	80	90	100	110	120	130
min:sec	2:34	2:15	2:00	1:48	1:38	1:30	1:23
Rate of descent (ft/min)	372	425	478	531	584	637	690

CHANGE: Parachuting zones added; Editorial.

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ILS x or LOC x RWY 29
ACFT CAT A & B

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
ILS x or LOC x RWY 29 ACFT CAT A&B			
LOC only - final approach descent angle: 3.00°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (OSJ NDB)	452719.51N 0185015.39E	-	-
FAF LOC only	452626.6N 0185335.4E	290.56° (IOS LOC)	4.53 DME KLS
MAPt LOC only (THR 29)	452730.26N 0184934.67E	290.56° (IOS LOC)	1.51 DME KLS

CHANGE: Parachuting zones added; Editorial.

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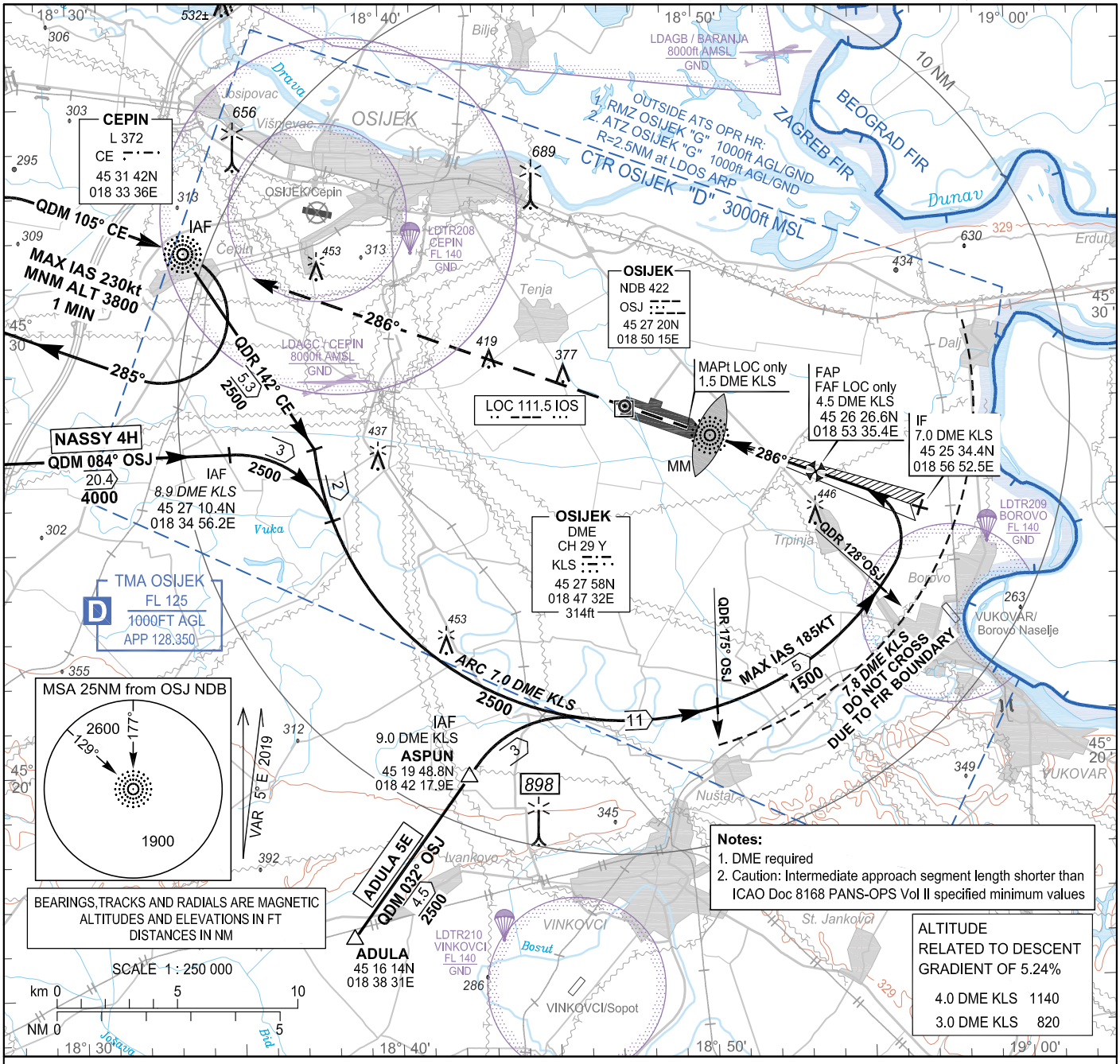
INSTRUMENT APPROACH CHART-ICAO

AD ELEV 291
HEIGHTS RELATED TO THR 29 ELEV 290

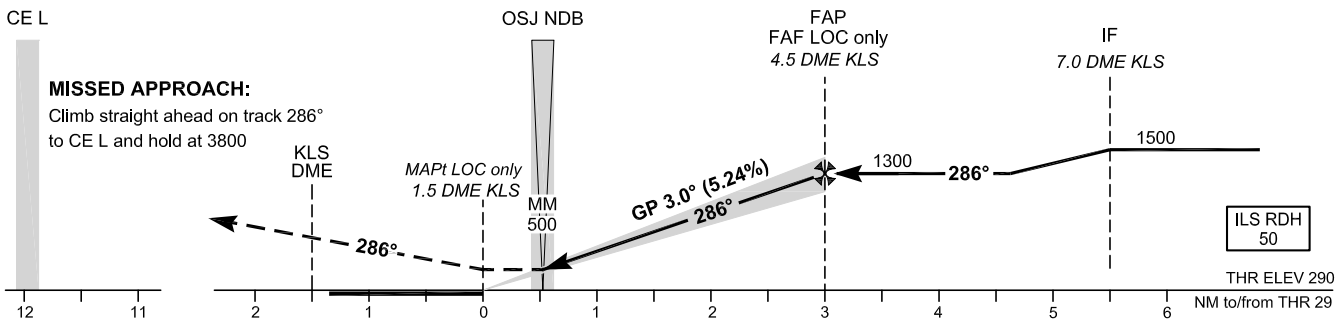
OSIJEK APPROACH	128.350
OSIJEK APPROACH ALTN	125.850
OSIJEK TOWER	128.350

OSIJEK / Klisa (LDOS)

ILS y or LOC y RWY 29



TRANSITION ALT 10 000



OCA(H)		A	B	C	D
Straight-in Approach	ILS CAT I press. altim.	428 (138)	438 (148)	448 (158)	468 (178)
	LOC only	620 (330)			
Circling		690 (400)	790 (500)	890 (600)	1090 (800)

FAF LOC only to MAPt DISTANCE – 3.0 NM
Timing not authorized for defining the MAPt

GS (kt)	80	100	120	140	160	180
min:sec	2:15	1:48	1:30	1:17	1:08	1:00
Rate of descent (ft/min)	425	531	637	743	849	955

CHANGE: Parachuting zones added; Editorial.

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ILS y or LOC y RWY 29

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
ILS y or LOC y RWY 29			
LOC only - final approach descent angle: 3.00°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (CE L)	453142.33N 0183336.18E	-	-
IAF (via NASSY)	452710.4N 0183456.2E	089.10° (OSJ NDB)	8.91 DME KLS
IAF (ASPUN)	451948.8N 0184217.9E	036.69° (OSJ NDB)	8.96 DME KLS
SDF Initial	452114.3N 0185014.8E	ARC 7.00 DME KLS	180.07° (OSJ NDB)
IF	452534.4N 0185652.5E	290.56° (IOS LOC)	7.00 DME KLS
FAF LOC only	452626.6N 0185335.4E	290.56° (IOS LOC)	4.53 DME KLS
MAPt LOC only (THR 29)	452730.26N 0184934.67E	290.56° (IOS LOC)	1.51 DME KLS

CHANGE: Parachuting zones added; Editorial.

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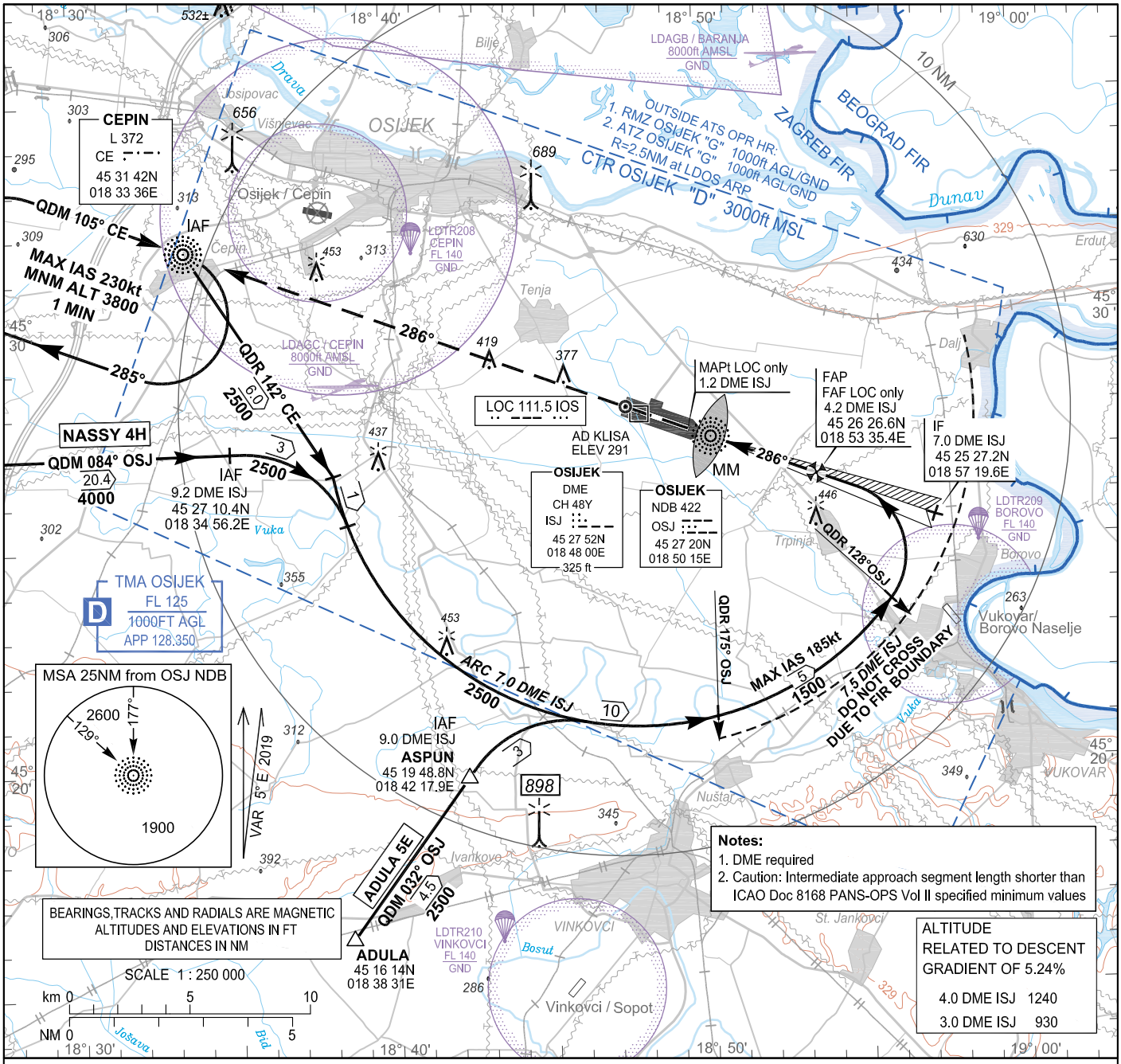
INSTRUMENT APPROACH CHART-ICAO

AD ELEV 291
HEIGHTS RELATED TO THR 29 ELEV 290

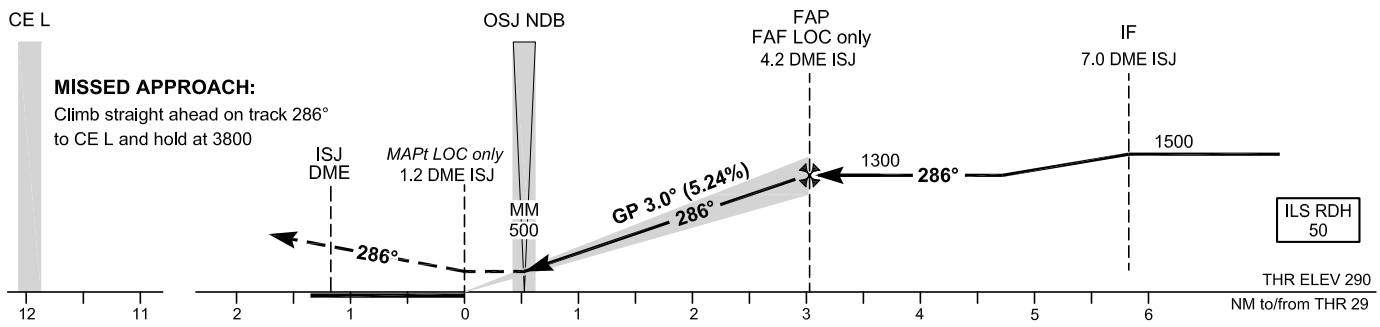
OSIJEK APPROACH	128.350
OSIJEK APPROACH ALTN	125.850
OSIJEK TOWER	128.350

OSIJEK / Klisa (LDOS)

ILS z or LOC z RWY 29



TRANSITION ALT 10 000



OCA(H)		A	B	C	D
Straight-in Approach	ILS CAT I press. altim.	428 (138)	438 (148)	448 (158)	468 (178)
	LOC only	620 (330)			
Circling		690 (400)	790 (500)	890 (600)	1090 (800)

FAF LOC only to MAPt DISTANCE – 3.0 NM
Timing not authorized for defining the MAPt

GS (kt)	80	100	120	140	160	180
min:sec	2:15	1:48	1:30	1:17	1:08	1:00
Rate of descent (ft/min)	425	531	637	743	849	955

CHANGE: Parachuting zones added; Editorial.

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ILS z or LOC z RWY 29

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
ILS z or LOC z RWY 29			
LOC only - final approach descent angle: 3.00°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (CE L)	453142.33N 0183336.18E	-	-
IAF (via NASSY)	452710.4N 0183456.2E	089.10° (OSJ NDB)	9.22 DME ISJ
IAF (ASPUN)	451948.8N 0184217.9E	036.69° (OSJ NDB)	9.00 DME ISJ
SDF Initial	452103.0N 0185014.8E	ARC 7.00 DME ISJ	180.07° (OSJ NDB)
IF	452527.2N 0185719.6E	290.56° (IOS LOC)	7.00 DME ISJ
FAF LOC only	452626.6N 0185335.4E	290.56° (IOS LOC)	4.19 DME ISJ
MAPt LOC only (THR 29)	452730.26N 0184934.67E	290.56° (IOS LOC)	1.17 DME ISJ

CHANGE: Parachuting zones added; Editorial.

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INSTRUMENT APPROACH
CHART-ICAO

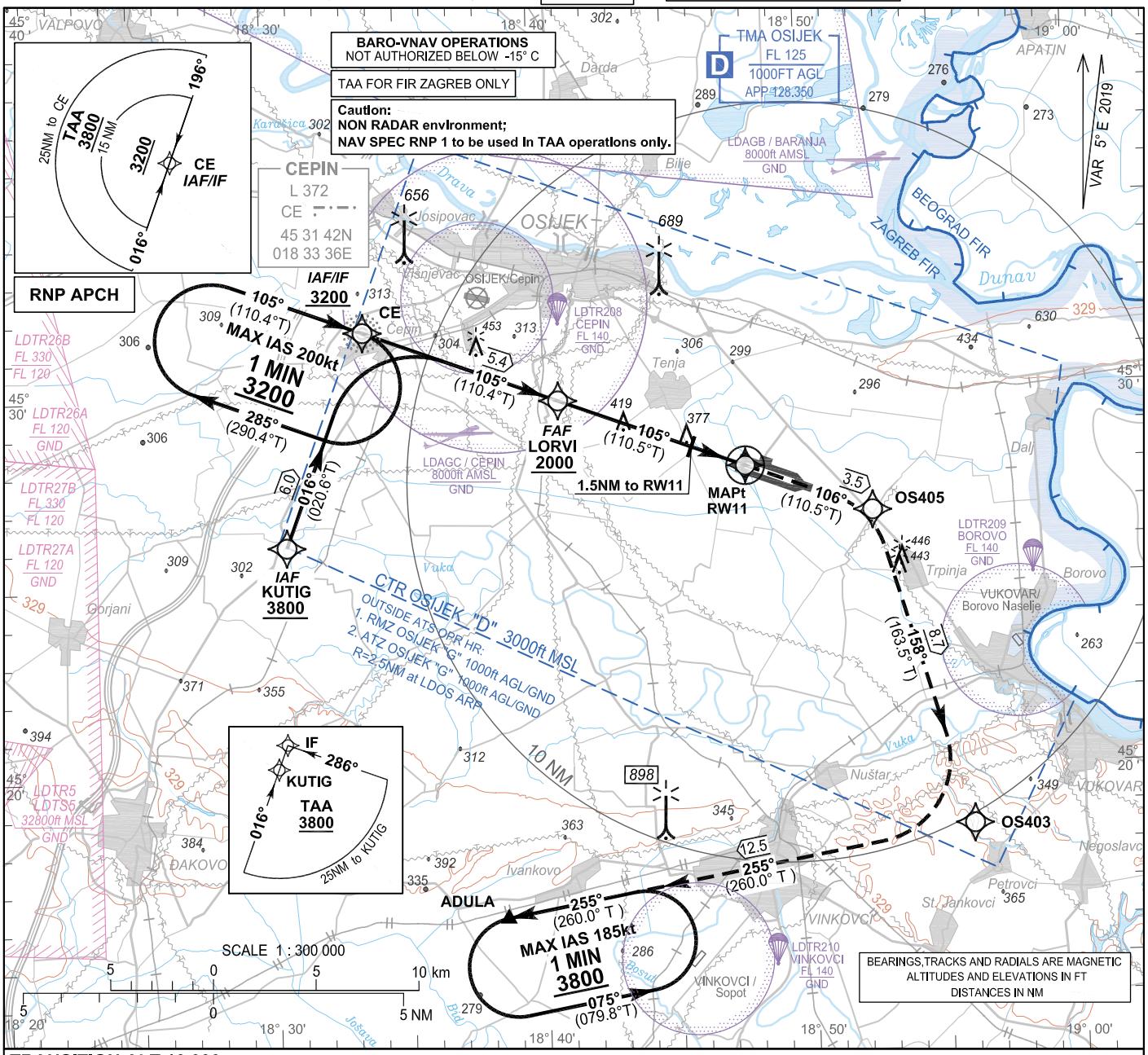
AD ELEV 291
HEIGHTS RELATED
TO THR 11 ELEV 291

SBAS
CH: **59925**
E11A

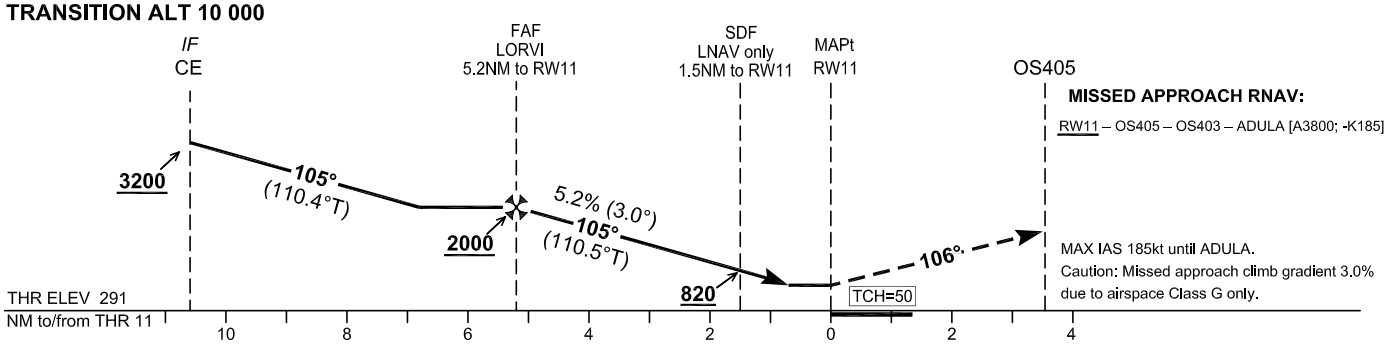
OSIJEK APPROACH	128.350
OSIJEK APPROACH ALTN	125.850
OSIJEK TOWER	128.350

OSIJEK / Klisa (LDOS)

RNP RWY 11



TRANSITION ALT 10 000



MISSED APPROACH RNAV:

RW11 – OS405 – OS403 – ADULA [A3800; -K185]

MAX IAS 185kt until ADULA.
Caution: Missed approach climb gradient 3.0% due to airspace Class G only.

OCA(H)		Minimum missed approach climb gradient	A	B	C	D
Straight-in approach	LNAV	2.5%	610 (319)			
	LNAV / VNAV	2.5%	590 (299)	600 (309)	610 (319)	620 (329)
		3.0%	540 (249)			
	LPV	2.5%	550 (259)	560 (269)	570 (279)	580 (289)
		3.0%	540 (249)			
Circling			790 (499)		890 (599)	1230 (939)

DIST THR / RW11	NM	5	4	3	2	1
Altitude	ft	1930	1610	1300	980	660

Timing not authorized for defining the MAPt							
GS	kt	80	100	120	140	160	180
LORVI- RW11 (5.2NM)	min:sec	3:54	3:07	2:36	2:14	1:57	1:44
Rate of descent (5.2%)	ft/min	425	531	637	743	849	955

CHANGE: Parachuting zones added; Editorial.

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RNP RWY 11

Coding elements for FAS Data Block

Input data

Operation Type	0
SBAS Provider	1
Airport Identifier	LDOS
Runway	11
Runway Direction	0
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E11A
LTP/FTP Latitude	452758.6765N
LTP/FTP Longitude	0184746.9615E
LTP/FTP Ellipsoidal Height (metres)	132.6
FPAP Latitude	452730.2635N
Delta FPAP Latitude (seconds)	-28.4130
FPAP Longitude	0184934.6715E
Delta FPAP Longitude (seconds)	107.7100
Threshold Crossing Height	50.0
TCH Units Selector	0
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 13 0F 04 0C 0B 00 00 01 31 31 05 A9 13 83 13 23 08 11 08 2E 19 06 22 FF 7C 49 03 F4 01 2C 01 64 00 C8 FA 86 32 81 72
Calculated CRC Value	86328172

Required Additional Data

ICAO Code	LD
LTP/FTP Orthometric Height (metres)	88.6
FPAP Orthometric Height (metres)	88.3

CHANGE: Parachuting zones added; Editorial.

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LDOS RNP RWY11

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	KUTIG	-	-	5°E	-	-	+3800	-	-	-	RNP APCH
020	IF	TF	CE	-	016° (020.6°T)	5°E	6.0	-	+3200	-	-	-	
010	IAF / IF	IF	CE	-	-	5°E	-	-	+3200	-	-	-	RNP APCH

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	CE	-	-	5°E	-	-	+3200	-	-	-	RNP APCH
020	FAF	TF	LORVI	-	105° (110.4°T)	5°E	5.4	-	+2000	-	-	-	
030	MAPt	TF	RW11	Y	105° (110.5°T)	5°E	5.2	-	-	-	3.0 / 50.0	-	
040	-	TF	OS405	-	106° (110.5°T)	5°E	3.5	-	-	-	-	-	
050	-	TF	OS403	-	158° (163.5°T)	5°E	8.7	-	-	-			
060	MAHF	TF	ADULA	-	255° (260.0°T)	5°E	12.5	-	3800	-185	-	-	
070	MAHF	HM	ADULA	-	255° (260.0°T)	5°E	1 MIN	L	3800	-185	-	Holding above 3800ft on ATC clearance only	RNP 1

RNAV HOLDING tabular description

Waypoint name	Path Terminator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude FT	Maximum altitude FT	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
CE	HM	105° (110.4°T)	1MIN / -	R	3200	-	200	5°E	-	RNP 1
ADULA	HM	255° (260.0°T)	1MIN / -	L	3800	-	185	5°E	-	RNP 1

Waypoint coordinates

Waypoint name	WGS-84 Latitude	WGS-84 Longitude
KUTIG	452605.5N	0183035.9E
CE	453142.33N	0183336.18E
LORVI	452948.1N	0184050.9E
RW11	452758.68N	0184746.96E
OS403	451825.8N	0185558.8E
OS405	452644.1N	0185229.4E
ADULA	451614N	0183831E

CHANGE: Parachuting zones added; Editorial.

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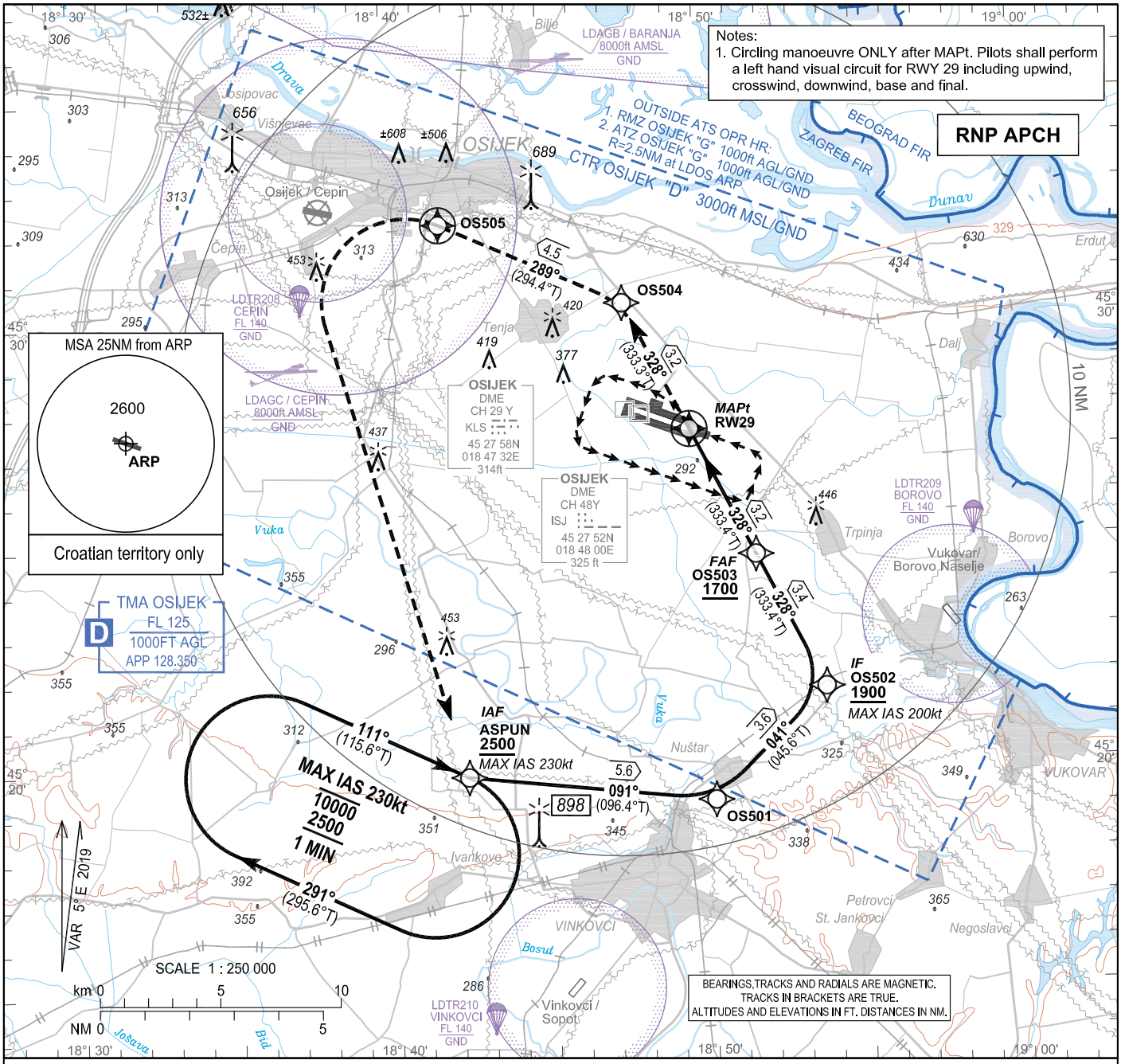
INSTRUMENT APPROACH CHART-ICAO

HEIGHTS RELATED TO AD ELEV 291

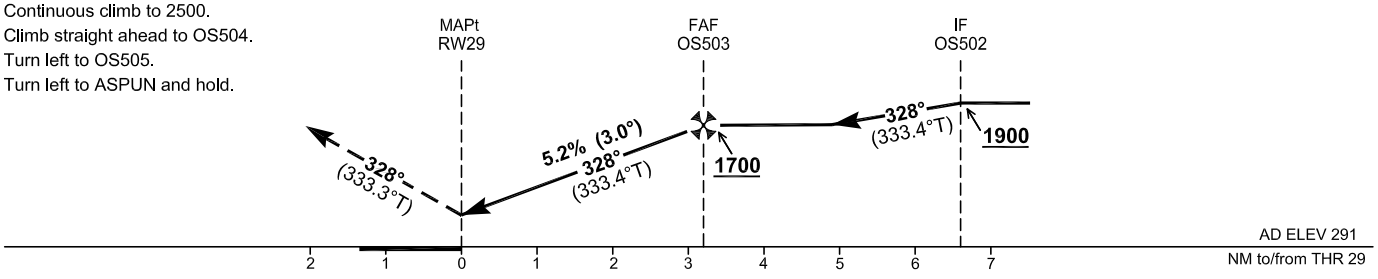
OSIJEK APPROACH	128.350
OSIJEK APPROACH ALTN	125.850
OSIJEK TOWER	128.350

OSIJEK / Klisa (LDOS)

RNP-a RWY 29



MISSED APPROACH:
Continuous climb to 2500.
Climb straight ahead to OS504.
Turn left to OS505.
Turn left to ASPUN and hold.



TRANSITION ALT 10 000

OCA(H)	A	B	C	D
Circling	690 (400)	790 (500)	890 (600)	1090 (800)

DIST to MAPt (RW29)	NM	3	2	1
Altitude	ft	1650	1330	1010

Timing not authorized for defining the MAPt							
GS	kt	80	100	120	140	160	180
FAF - MAPt (3.2NM)	min:sec	2:23	1:54	1:35	1:22	1:11	1:03
Rate of descent (5.2%)	ft/min	425	531	637	743	849	955

CHANGE: Parachuting zones added; Editorial.

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RNP-a RWY 29

LDOS RNP-a RWY 29

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	ASPUN	-	-	5°E	-	-	+2500	-230	-	-	
020	-	TF	OS501	-	091° (096.4°T)	5°E	5.6	-	-	-	-	-	RNP APCH
030	IF	TF	OS502	-	041° (045.6° T)	5°E	3.6	-	+1900	-200	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	OS502	-	-	5°E	-	-	+1900	-200	-	-	
020	FAF	TF	OS503	-	328° (333.4°T)	5°E	3.4	-	+1700	-	-	-	
030	MAPt	TF	RW29	Y	328° (333.4°T)	5°E	3.2	-	-	-	3.0 / -	-	
040	MATF	TF	OS504	-	328° (333.3°T)	5°E	3.2	-	-	-	-	-	RNP APCH
050	MATF	TF	OS505	Y	289° (294.4°T)	5°E	4.5	-	-	-	-	-	
060	MAHF	DF	ASPUN	-	-	5°E	-	L	@2500	-230	-	-	
070	MAHF	HM	ASPUN	-	111° (115.6°T)	5°E	1 MIN	R	@2500	-230	-	-	RNP 1

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
ASPUN	HM	111° (115.6°T)	1 MIN / -	R	2500	10000	230	5°E	-	RNP 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
ASPUN	451948.8N	0184217.9E
OS501	451911.3N	0185007.6E
OS502	452140.5N	0185343.9E
OS503	452440.2N	0185135.9E
OS504	453021.9N	0184732.1E
OS505	453212.2N	0184144.7E
RW29	452730.26N	0184934.67E

CHANGE: Parachuting zones added; Editorial.

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VISUAL OPERATION CHART

ARP	AD ELEV 291				
45°27'46"N 018°48'37"E		OSIJEK APPROACH	128.350	OSIJEK TOWER	128.350
		OSIJEK APPROACH ALTN	125.850	OSIJEK RADIO	128.350

OSIJEK / Klisa (LDOS)



Reporting Point	Definition
A1	Village Koška
B1	Town Valpovo
C1	Village Josipovac
D1	Village Sarvaš
E1	Village Vrpolje
F1	Town Vinkovci
G1	Village Silaš
H1	Reporting point TUVAR

FOR LDOS ATS OPERATIONAL HOURS CONSULT RELEVANT PUBLICATIONS

Two-way radio communication required. Contact Tower normally at reporting points or any other point but not later than 5min prior to entering CTR/RMZ.

VAR 5° E 2019

SCALE 1:200 000

2 0 5 km
1 0 3 NM

ALTITUDES AND ELEVATIONS IN FT

LEGEND

Holding fix with WGS-84 coordinates — G1 45 25 22N 018 46 30E

Significant VFR point — F1

Mandatory (arrival - departure) VFR route

ATTENTION:
For latest information consult relevant publications, and NOTAMs!
Prominent transmission lines data not complete!
No guarantee for the completeness and accuracy of obstacles!

(m)	ft	ELEVATION TINTS
(400)	1313	
(0)	0	

CHANGE: Parachuting zones added; Editorial.

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LDPL AD 2.19 RADIONAVIGACIJSKI I UREĐAJI ZA SLIJETANJE

Vrsta uređaja CAT ILS/MLS (VOR/ILS/ MLSVAR)	ID	Frekvencija	Sati rada	Koordinate predajne antene	Nadmorska visina DME predajne antene	Primjedbe
1	2	3	4	5	6	7
VOR/DME (4° E/2019)	NTL	117.350 MHZ CH120Y	H24	443359.44N 0142327.79E	190 FT	Coverage 80 NM, except between QDR 330°-120° where coverage is 40 NM. MRA at 40 NM: QDR 020°-120° 10000 FT QDR 120°-330° 5000 FT QDR 330°-020° 12000 FT
VOR/DME (4°E/2019)	PUL	111.25 MHZ CH49Y	H24	445332.52N 0135505.23E	215 FT	Pokrivenost 100 NM osim između QDR 309°-024°: nezadovoljavajuća gustoća snage zbog terena (Profil leta: Orbit flight, radijus 40NM, 3000FT do 6500FT QNH)
DME	LSJ	CH21Y	H24	443057.23N 0142927.66E	722 FT	Pokrivenost 80 NM osim između QDR 044°- 074° u smjeru kazaljke na satu i QDR 104°-114° u smjeru kazaljke na satu, gdje je nezadovoljavajuća i smanjena gustoća snage zbog terena (Profil leta: Orbitalni let, radijus 40NM, 8000FT QNH)
NDB	CRE	433 KHZ	H24	445410.37N 0142459.57E		Domet 50 NM
NDB	KAV	265 KHZ	H24	445343.27N 0140029.66E		084°MAG/2.88 NM from THR 27. MRA at 25 NM: sector 070°-310° 5000 FT sector 310°-070° 7000 FT
NDB	LOS	429 KHZ	H24	443137.55N 0142822.25E		118°MAG/4.10 NM from LDLO THR 02. Domet 50 NM
NDB	PLA	351.5 KHZ	H24	445321.15N 0134512.66E		264°MAG/6.41 NM from THR 09. Coverage 50 NM.
LOC 27	IPU	111.5 MHZ	H24	445335.03N 0135401.39E		ILS CAT I LOC coverage 17 NM MRA 3000 FT LOC coverage 25 NM MRA 4000 FT
GP 27		332.9 MHZ	H24	445333.87N 0135607.91E		3.2°, RDH 15.85 M (52 FT)
MM27	Dots-Dashes	75 MHZ	H24	445339.18N 0135712.92E		From THR 27 = 0.55 NM Intersect heights: 223.1 FT
OM27	Dashes-Dashes	75 MHZ	H24	445343.28N 0140029.09E		From THR 27 = 2.87 NM Intersect heights: 1036.8 FT

LDPL AD 2.20 LOKALNI AERODROMSKI PROPISI

ATC odobrenja za polazak i DEP INFO raspoloživi su na Pula TWR FREQ 15 MIN prije pokretanja.

UPOZORENJE: Mogući naleti vjetra, smicanje vjetra i turbulencija u prilazima za slijetanje/penjanju iz smjera RWY 09 u uvjetima jakih istočnih-sjeveroistočnih vjetrova.

LDPL AD 2.20.1 OPERACIJE ZRAKOPLOVA KODNOG SLOVA E I ZRAKOPLOVA S ČETIRI MOTORA

Prije i nakon slijetanja, taksiranja ili polijetanja zrakoplova kodnog slova E, odgovorna služba će izvršiti pregled RWY-a i TWY-a.
Prije i nakon slijetanja, taksiranja ili polijetanja zrakoplova s četiri motora, odgovorna služba će izvršiti pregled RWY-a i TWY-a (uključujući površine njihovih ramena).
Preporuča se koristiti vanjske motore na minimalnoj snazi (idle power) tijekom taksiranja.

Zavoji i križanja TWY-a te križanja TWY-a i RWY-a ne udovoljavaju preporučenim sigurnosnim razmacima (4 M). Zrakoplovi s međuosovinskim razmakom većim od 18.59 M skreću prema procjeni pilota nakon linije vodilje. Savjetuje se dodatan oprez prilikom ulaska s TWY-a B i E na RWY, te prilikom izlaska s RWY-a na TWY-e B i E.

Tijekom taksiranja na okretištu RWY-a 27, kut prednjeg kotača stajnog trapa prelazi 45 DEG, te se preporuča taksiranje manjim brzinama. Okretanje na okretištu nije moguće za zrakoplove s međuosovinskim razmakom većim od 26.2 M.

Prilikom okretanja na okretištu, preporuča se koristiti asimetrični potisak motora zrakoplova.
Zrakoplovi kodnog slova E ne smiju koristiti TWY F.

Popis zrakoplova većeg kodnog slova od referentnog koda aerodroma kojima su odobrene operacije	
Airbus A330-300	Boeing 747-400
Airbus A330-900	Boeing 767-400
Airbus A340-200	Boeing 777-200
Airbus A340-300	Boeing 777-200LR
Airbus A340-500	Boeing 777-300
Airbus A350-900	Boeing 777-300ER
	Boeing 787-800
	Boeing 787-900
	Boeing 787-10 Dreamliner

LDPL AD 2.20.2 PROCEDURE ZA VOŽNJU

Tijekom vožnje na stajanci i prilikom napuštanja pozicije za parkiranje, mora se koristiti minimalna snaga motora.

Vožnja putem Taxilane 1 i Taxilane 2 je dozvoljena isključivo zrakoplovima čiji je raspon krila do 36 M.

Za ostala ograničenja, izričito se pridržavati uputa TWR-a i uputa parkera.

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Dolasci:

Obvezno je navođenje vozilom ”Follow me” za sve zrakoplove u dolasku koji ulaze na stajanku sa TWY F, TWY G ili TWY H.

Za daljnje informacije, vidi LDPL AD 2.24.2 APDC -1 (Aircraft Parking/Docking Chart – ICAO).

Odlasci:

Sve pozicije za parkiranje su namijenjene za samostalno manevriranje zrakoplova prilikom odlaska uz nadzor parkera.

Odobrenja za pokretanje motora i vuču zrakoplova te instrukcije za vožnju izdavat će se putem Pula TWR FREQ.

Za daljnje informacije, vidi LDPL AD 2.24.2 APDC -1 (Aircraft Parking/Docking Chart – ICAO).

LDPL AD 2.20.3 OPERACIJE HELIKOPTERA

Sve operacije dolaska i odlaska helikoptera moraju se izvoditi koristeći uzletno-sletnu stazu. Zabranjeno je izvođenje završnog prilaza ili polijetanja sa stajanke ili staza za vožnju. Nakon slijetanja, helikopteri moraju koristiti stazu za vožnju na zemlji ili stazu za vožnju u zraku do dodijeljenog parkirališnog mjesta za zrakoplove. Prije ulaska na stajanku, helikopteri moraju čekati na stazama za vožnju F, G ili H na "Follow Me" vozilo i strogo slijediti upute parker-signaliste. Posebnu pozornost treba posvetiti udaljenosti od vrha rotora i zračnom vrtlogu kojeg stvara rotor dok se helikopter kreće na manevarskoj površini.

LDPL AD 2.21 POSTUPCI ZA SMANJENJE BUKE

NIL

LDPL AD 2.22 POSTUPCI TIJEKOM LETA

SID RWY 09

Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 4,4 per cent (267 FT/NM).
Assume minimum net climb gradient of 3,3 per cent (201 FT/NM) after passing 500 FT QNH.
WARNING: Close-in obstacles. See inset on the chart.

SID RWY 09				
Designator	**Route**	**After take off**		**Remarks**
		Climb initially	**Contact**	
GIRDA6D	GIRDA SIX DELTA DEPARTURE Climb straight ahead. At KAV NDB or 3.8 DME PUL turn LEFT to intercept QDR 005° KAV climbing to GIRDA.	5000 FT	After passing 1000 FT, contact Pula Radar on 127.675 MHZ	Cross 18.5 DME PUL at or above 9000 FT AMSL.
RJK5C	RIJEKA FIVE CHARLIE DEPARTURE Climb straight ahead. At KAV NDB or 3.8 DME PUL turn LEFT to intercept QDR 005° KAV and continue climb. After 18.5 DME PUL follow ATC RADAR vector to RJK.	5000 FT	After passing 1000 FT, contact Pula Radar on 127.675 MHZ	Cross 18.5 DME PUL at or above 9000 FT AMSL.

SID RWY 09				
Designator	Route	After take off		Remarks
		Climb initially	Contact	
OBALA1A	OBALA ONE ALPHA DEPARTURE Climb straight ahead on QDM 084° CRE. At CRE NDB continue on QDR 083° CRE climbing to OBALA.	5000 FT	After passing 1000 FT, contact Pula Radar on 127.675 MHZ	
LOS5H	LOSINJ FIVE HOTEL DEPARTURE Climb straight ahead. At KAV NDB or 3.8 DME PUL turn RIGHT, intercept bearing 134° KAV NDB climbing to LOS NDB.	5000 FT	After passing 1000 FT, contact Pula Radar on 127.675 MHZ	

SID RWY 27

Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3,3 per cent (201 FT/NM); Where a greater climb gradient for a specific SID (or part of SID) is necessary this is indicated in the description of the route.

WARNING: Close-in obstacles. See inset on the chart.

SID RWY 27				
Designator	Route	After take off		Remarks
		Climb initially	Contact	
RJK4D	RIJEKA FOUR DELTA DEPARTURE Climb straight ahead. At 5.0 DME PUL turn RIGHT (MAX IAS 240 KT during turn) to intercept QDR 354° PLA. At 18.1 DME PUL turn RIGHT and follow ATC RADAR vector climbing to RJK.	5000 FT	After passing 1000 FT, contact Pula Radar on 127.675 MHZ	When LDR25 is active, cross 5.0 DME PUL at or above 1400 FT AMSL with MNM PDG 4.6% (280 FT/NM). Cross 18.1 DME PUL at or above 7000 FT AMSL.
OBALA1B	OBALA ONE BRAVO DEPARTURE Climb straight ahead. At 5.0 DME PUL turn RIGHT (MAX IAS 240 KT during turn) to intercept QDR 354° PLA. Cross R-309 PUL and turn RIGHT to intercept QDM 098° CRE. At CRE NDB turn LEFT on QDR 083° CRE climbing to OBALA.	5000 FT	After passing 1000 FT, contact Pula Radar on 127.675 MHZ	When LDR25 is active, cross 5.0 DME PUL at or above 1400 FT AMSL with MNM PDG 4.6 % (280 FT/NM). Cross R-355 PUL at or above 6000 FT AMSL. Cross CRE NDB at or above 8000 FT AMSL.

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SID RWY 27				
Designator	Route	After take off		Remarks
		Climb initially	Contact	
OBALA1C	OBALA ONE CHARLIE DEPARTURE Climb straight ahead. At 5.0 DME PUL turn LEFT (MAX IAS 240 KT during turn) to intercept QDR 174° PLA. Cross R-219 PUL and turn LEFT to intercept QDM 070° CRE. At CRE NDB turn RIGHT on QDR 083° CRE climbing to OBALA.	5000 FT	After passing 1000 FT, contact Pula Radar on 127.675 MHZ	When LDR25 is active, cross 5.0 DME PUL at or above 1400 FT AMSL with MNM PDG 4.6 % (280 FT/NM). Cross R-175 PUL at or above 6000 FT AMSL. Cross CRE NDB at or above 8000 FT AMSL.
LOS6G	LOSINJ SIX GOLF DEPARTURE Climb straight ahead. At 5.0 DME PUL turn LEFT (MAX IAS 240 KT during turn) to intercept QDR 174° PLA. Cross R-219 PUL and turn LEFT to intercept QDM 111° LOS climbing to LOS NDB.	5000 FT	After passing 1000 FT, contact Pula Radar on 127.675 MHZ	When LDR25 is active, cross 5.0 DME PUL at or above 1400 FT AMSL with MNM PDG 4.6 % (280 FT/NM). Cross LOS NDB at or above 8000 FT AMSL.

STAR RWY 09

STAR RWY 09				
Designator	Route	Descend	Contact	Remarks
GIRDA4B	GIRDA FOUR BRAVO ARRIVAL From GIRDA proceed on QDM 201° PLA (MNM ALT 7000 FT). At 17.0 DME PUL proceed on QDM 201° PLA to intercept and follow ARC 11.0 DME PUL (MNM ALT 3000 FT). At R-289 PUL turn LEFT on QDM 121° PLA to PLA NDB and hold (MNM ALT 2300 FT).	As cleared by ATC		
KULEN1E	KULEN ONE ECHO ARRIVAL From KULEN proceed on QDM 239° CRE (MNM ALT 8000 FT). After crossing 32.8 DME PUL proceed on QDM 239° CRE to CRE NDB (MNM ALT 4000 FT). After CRE NDB proceed on QDR 238° CRE (MNM ALT 3100 FT). After crossing R-180 PUL intercept and follow ARC 11.0 DME PUL (MNM ALT 2300 FT). At R-242 PUL turn RIGHT on QDM 054° PLA to PLA NDB and hold (MNM ALT 2300 FT).	As cleared by ATC		
LOS5B	LOSINJ FIVE BRAVO ARRIVAL From LOS NDB proceed on QDR 290° LOS (MNM ALT 4000 FT). After crossing 17.0 DME LSJ proceed on QDR 290° LOS (MNM ALT 2300 FT). After crossing R-180 PUL intercept and follow ARC 11.0 DME PUL (MNM ALT 2300 FT). At R-242 PUL turn RIGHT on QDM 054° PLA to PLA NDB and hold (MNM ALT 2300 FT).	As cleared by ATC		
ROTAR4B	ROTAR FOUR BRAVO ARRIVAL From ROTAR proceed on QDM 121° PLA (MNM ALT 3000 FT). After crossing 12.0 DME PUL proceed on QDM 121° PLA to PLA NDB (MNM ALT 2300 FT) and hold.	As cleared by ATC		

STAR RWY 09				
Designator	**Route**	**Descend**	**Contact**	**Remarks**
LABIN3A	LABIN THREE ALPHA ARRIVAL From LABIN proceed on QDM 097° PLA (MNM ALT 3000 FT). After crossing 12.0 DME PUL proceed on QDM 097° PLA to PLA NDB (MNM ALT 2300 FT) and hold.	As cleared by ATC		

STAR RWY 27

STAR RWY 27				
Designator	**Route**	**Descend**	**Contact**	**Remarks**
GIRDA4A	GIRDA FOUR ALPHA ARRIVAL From GIRDA proceed on QDM 157° CRE (MNM ALT 7000 FT). After crossing 40.0 DME LSJ (R-040 PUL) proceed on QDM 157° CRE (MNM ALT 4000 FT). After crossing 30.0 DME LSJ (R-066 PUL) proceed on QDM 157° CRE to CRE NDB and hold (MNM ALT 4000 FT).	As cleared by ATC		After crossing R-066 PUL MNM ALT 3300 FT if cleared by ATC only.
ROTAR1C	ROTAR ONE CHARLIE ARRIVAL From ROTAR proceed on QDM 121° PLA NDB to PLA NDB (MNM ALT 4000 FT). At PLA NDB turn LEFT and proceed on bearing QDR 084° PLA NDB to PUL VOR DME. At PUL VOR DME turn LEFT to intercept and follow R-066 PUL. At 17.9 DME PUL turn RIGHT to intercept and follow QDM 157° CRE to CRE NDB and hold (MNM ALT 4000 FT).	As cleared by ATC		
ROTAR1D	ROTAR ONE DELTA ARRIVAL From ROTAR proceed on QDM 121° PLA NDB to PLA NDB (MNM ALT 4000 FT). At PLA NDB turn LEFT and proceed on bearing QDR 084° PLA NDB to PUL VOR DME. At PUL VOR DME proceed on R-107 PUL. At 20.1 DME PUL turn LEFT to intercept and follow QDM 350° CRE to CRE NDB and hold (MNM ALT 4000 FT).	As cleared by ATC		
LOS4F	LOSINJ FOUR FOXTROT ARRIVAL From LOS NDB proceed on QDM 350° CRE NDB (MNM ALT 4000 FT). After crossing R-107 PUL (14.1 DME LSJ) proceed on QDM 350° CRE to CRE NDB and hold (MNM ALT 4000 FT).	As cleared by ATC		After crossing R-107 PUL MNM ALT 3300 FT if cleared by ATC only.
KULEN4F	KULEN FOUR FOXTROT ARRIVAL From KULEN proceed on QDM 239° CRE (MNM ALT 8000 FT). After crossing 32.8 DME PUL proceed on QDM 239° CRE to CRE NDB (MNM ALT 4000 FT) and hold.	As cleared by ATC		

Rezervni uređaj na TWR-u za slučaj potpunog otkaza komunikacije

U slučaju potpunog prekida komunikacije, na TWR Pula na raspolaganju je signalna svjetiljka.
Piloti trebaju pratiti svjetlosne signale s tornja.

LDPL AD 2.23 DODATNE INFORMACIJE

Bird concentration on and in the vicinity of RWY. Caution advised.

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LDPL AD 2.24 POPRATNE KARTE AERODROMA

Naziv	Stranica
Aerodrome Chart - ICAO	LDPL AD 2.24.1 ADC -1
Aircraft Parking/Docking Chart - ICAO	LDPL AD 2.24.2 APDC -1
Aerodrome Ground Movement Chart – ICAO	*NOT AVBL*
Aerodrome Obstacle Chart - ICAO Type A RWY 09-27	LDPL AD 2.24.4 AOC RWY 09/27 -1
Aerodrome Terrain and Obstacle Chart – ICAO (Electronic)	*NOT AVBL*
Precision Approach Terrain Chart – ICAO	*NOT AVBL*
Area Chart – ICAO (departure and transit routes)	*NOT AVBL*
Standard Departure Chart - Instrument - ICAO RWY 09	LDPL AD 2.24.8 SID RWY 09 -1
Standard Departure Chart - Instrument - ICAO RNAV RWY 09	LDPL AD 2.24.8 SID RNAV RWY 09 -1
Standard Departure Chart - Instrument - ICAO RWY 27	LDPL AD 2.24.8 SID RWY 27 -1
Standard Departure Chart - Instrument - ICAO RNAV RWY 27	LDPL AD 2.24.8 SID RNAV RWY 27 -1
Area Chart – ICAO (arrival and transit routes)	*NOT AVBL*
Standard Arrival Chart - Instrument - ICAO RWY 09	LDPL AD 2.24.10 STAR RWY 09 -1
Standard Arrival Chart - Instrument - ICAO RWY 27	LDPL AD 2.24.10 STAR RWY 27 -1
Standard Arrival Chart - Instrument - ICAO RNAV RWY 09	LDPL AD 2.24.10 STAR RNAV RWY 09 -1
Standard Arrival Chart - Instrument - ICAO RNAV RWY 27	LDPL AD 2.24.10 STAR RNAV RWY 27 -1
ATC Surveillance Minimum Altitude Chart - ICAO	LDPL AD 2.24.11 ATCSMAC -1
Instrument Approach Chart - ICAO VOR RWY 09	LDPL AD 2.24.12 IAC VOR RWY 09 -1
Instrument Approach Chart - ICAO VOR RWY 27	LDPL AD 2.24.12 IAC VOR RWY 27 -1
Instrument Approach Chart - ICAO ILS y or LOC y RWY 27	LDPL AD 2.24.12 IAC ILS y or LOC y RWY 27 -1
Instrument Approach Chart - ICAO ILS z or LOC z RWY 27	LDPL AD 2.24.12 IAC ILS z or LOC z RWY 27 -1
Instrument Approach Chart - ICAO RNP RWY 09	LDPL AD 2.24.12 IAC RNP RWY 09 -1
Instrument Approach Chart - ICAO RNP RWY 27	LDPL AD 2.24.12 IAC RNP RWY 27 -1
Visual Approach Chart - ICAO	*NOT AVBL*
Visual Operation Chart	LDPL AD 2.24.13 VOC -1
Bird concentrations	LDPL AD 2.24.14 BC -1

LDPL AD 2.25 PRODIRANJE U POVRŠINU VIZUALNOG SEGMENTA (VSS)

Instrumentalna procedura za letenje	Minimumi	ACFT CAT
VOR RWY 09	Straight-in approach	A/B/C/D
VOR RWY 27	Straight-in approach	A/B/C/D
RNP RWY 09	LNAV, LNAV/VNAV	A/B/C/D
RNP RWY 27	LNAV, LNAV/VNAV	A/B/C/D

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

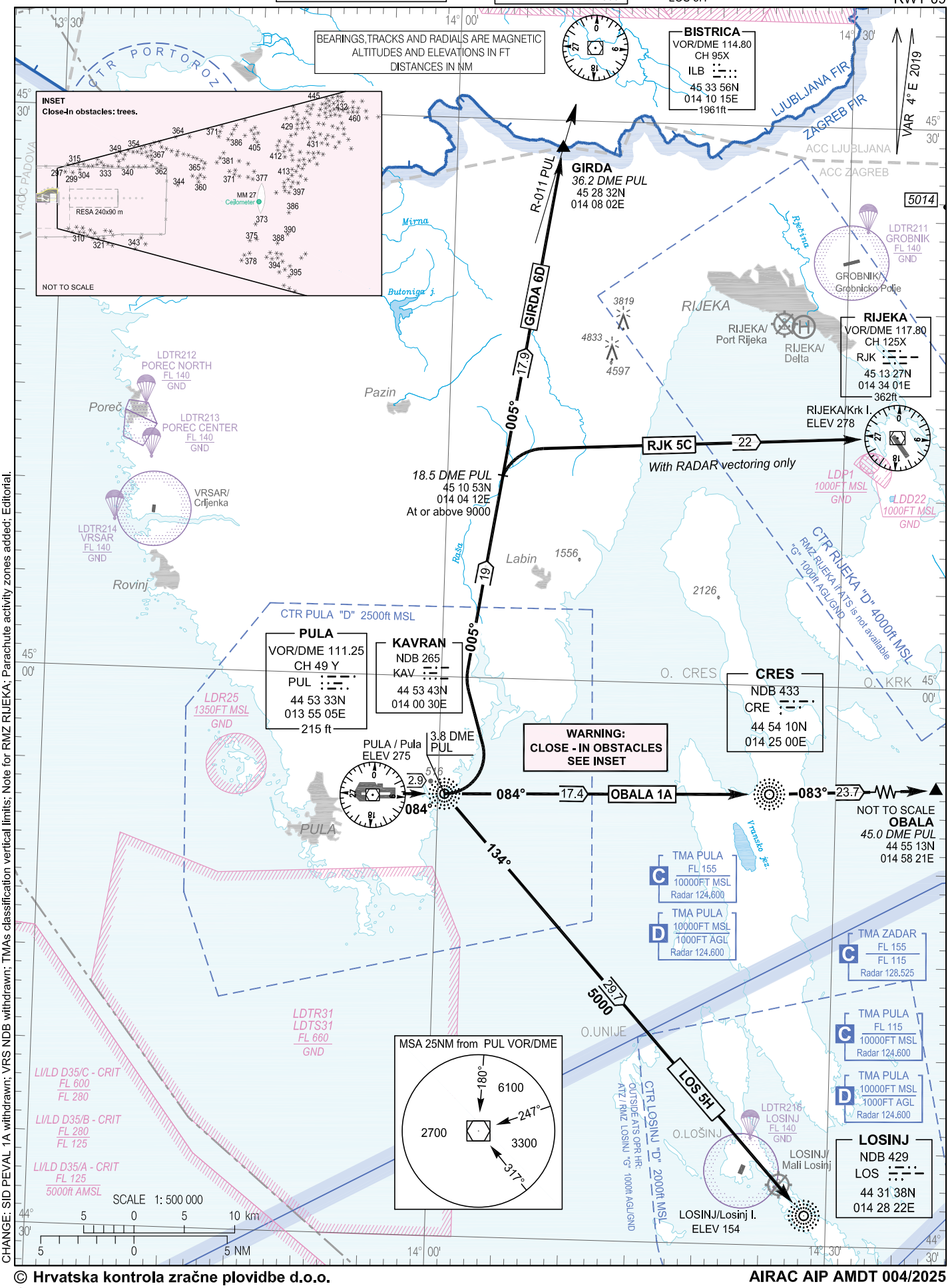
PULA / Pula (LDPL)

TRANSITION ALTITUDE
10 000

PULA ATIS	129.150
PULA TOWER	132.000
PULA RADAR	127.675
	124.600

GIRDA 6D RJK 5C OBALA 1A
LOS 5H

RWY 09



CHANGE: SID PEVAL 1A withdrawn; VRS NDB withdrawn; TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones added; Editorial.

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

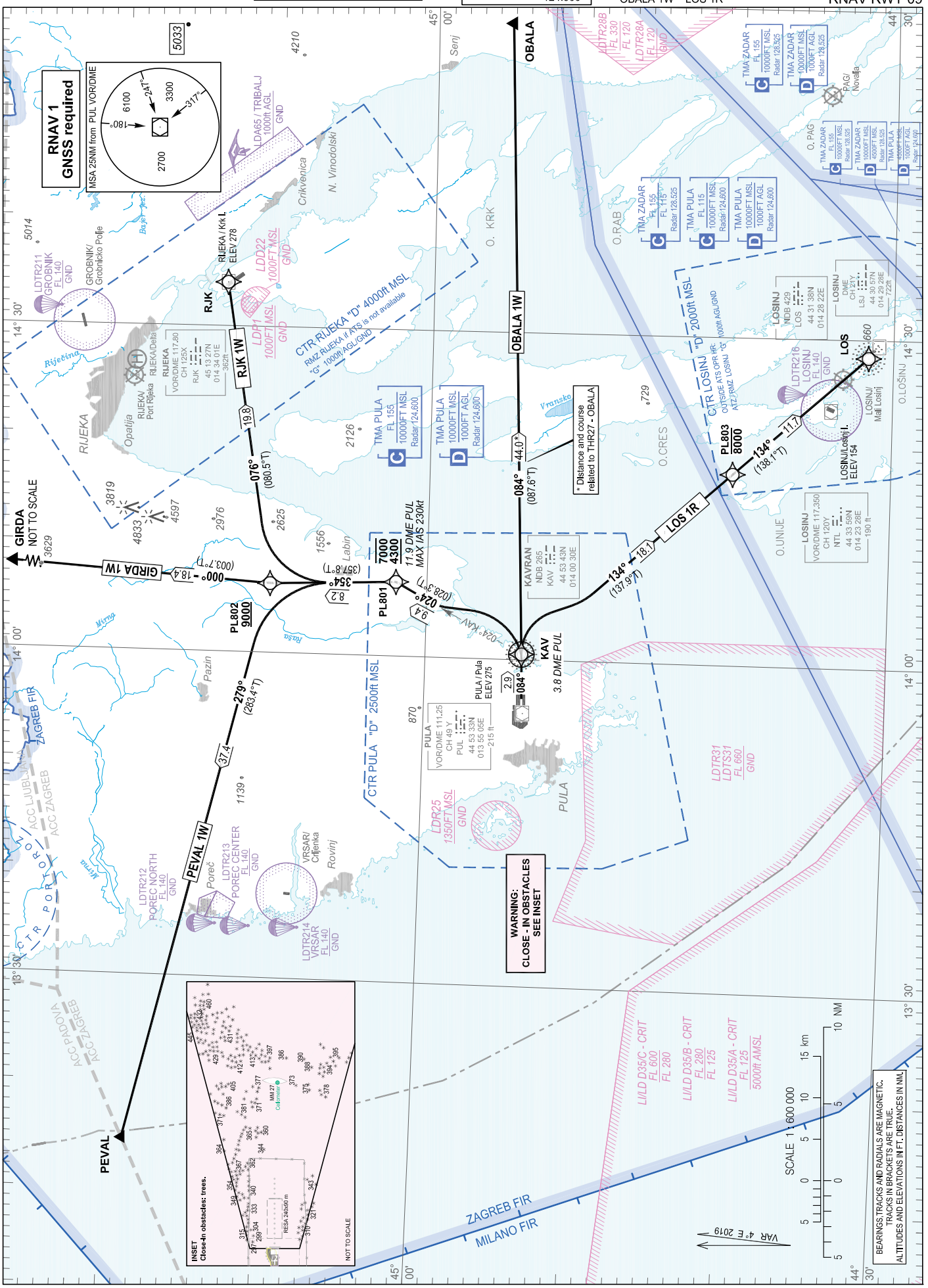
TRANSITION ALTITUDE
10 000

PULA ATIS	129.150
PULA TOWER	132.000
PULA RADAR	127.675
	124.600

PEVAL 1W GIRDA 1W RJK 1W
OBALA 1W LOS 1R

PULA / Pula (LDPL)

RNAV RWY 09



CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones added; Editorial.

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PULA/ Pula (LDPL)

RNAV RWY 09 PEVAL 1W GIRDA 1W RJK 1W OBALA 1W LOS 1R

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

- Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 ft/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary, this is indicated in the tabular description of the route.
- After take-off, climb initially to 5000 ft. After passing 1000 ft, contact Pula Radar on 127.675 MHz.
- Caution: Close-in obstacles. See inset on the chart.

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SIDs PEVAL 1W, GIRDA 1W and RJK 1W only:

Climb straight ahead. At KAV NDB or 3.8 DME PUL turn LEFT climbing to intercept and follow QDR 024° KAV NDB to 11.9 DME PUL. Cross 11.9 DME PUL at or above 4300 ft AMSL, but at or below 7000 ft AMSL. After crossing 11.9 DME PUL proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction. MAX IAS 230 kt. MNM PDG 4.4% (267 ft/NM) to 900 ft AMSL.

LDPL RNAV STANDARD INSTRUMENT DEPARTURE RWY 09

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	PEVAL 1W	CF	KAV	Y	084° (088.3°T)	4°E	2.9	-	-	-	MNM PDG 4.4% (267 ft/NM) to 900 ft AMSL	RNAV 1
020		TF	PL801	-	024° (028.3°T)	4°E	9.4	L	-7000 +4300	-230		
030		TF	PL802	-	354° (357.8°T)	4°E	8.2	-	+9000	-		
040		TF	PEVAL	-	279° (283.4°)	4°E	37.4	-	-	-		
010	GIRDA 1W	CF	KAV	Y	084° (088.3°T)	4°E	2.9	-	-	-	MNM PDG 4.4% (267 ft/NM) to 900 ft AMSL	RNAV 1
020		TF	PL801	-	024° (028.3°T)	4°E	9.4	L	-7000 +4300	-230		
030		TF	PL802	-	354° (357.8°T)	4°E	8.2	-	+9000	-		
040		TF	GIRDA	-	000° (003.7°)	4°E	18.4	-	-	-		
010	RJK 1W	CF	KAV	Y	084° (088.3°T)	4°E	2.9	-	-	-	MNM PDG 4.4% (267 ft/NM) to 900 ft AMSL	RNAV 1
020		TF	PL801	-	024° (028.3°T)	4°E	9.4	L	-7000 +4300	-230		
030		TF	PL802	-	354° (357.8°T)	4°E	8.2	-	+9000	-		
040		TF	RJK	-	076° (080.5°)	4°E	19.8	-	-	-		

LDPL RNAV STANDARD INSTRUMENT DEPARTURE RWY 09

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	OBALA 1W	CF	OBALA	-	084° (087.6°)	4°E	44.0	-	-	-	MNM PDG 4.4% (267 ft/NM) to 900 ft AMSL	RNAV 1

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones added; Editorial.

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PEVAL 1W GIRDA 1W RJK 1W
OBALA 1W LOS 1R

RNAV RWY 09

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID LOS 1R only:
Climb straight ahead. At KAV NDB or 3.8 DME PUL turn RIGHT, intercept bearing QDR 134° KAV NDB climbing to LOS NDB. On passing 3500 ft AMSL proceed via RNAV SID LOS 1R or according to ATC instruction. MNM PDG 4.4% (267 ft/NM) to 900 ft AMSL.

LDPL RNAV STANDARD INSTRUMENT DEPARTURE RWY 09

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	LOS 1R	CF	KAV	Y	084° (088.3°T)	4°E	2.9	-	-	-	MNM PDG 4.4% (267 ft/NM) to 900 ft AMSL	RNAV 1
020		TF	PL803	-	134° (137.9°T)	4°E	18.1	-	-8000	-		
030		TF	LOS	-	134° (138.1°T)	4°E	11.7	-	-	-		

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
KAV	445343.27N	0140029.66E
LOS	443137.55N	0142822.25E
RJK	451326.85N	0143401.06E
GIRDA	452832N	0140802E
OBALA	445513N	0145821E
PEVAL	451841N	0131451E
PL801	450201.6N	0140648.3E
PL802	451013.5N	0140621.5E
PL803	444018.1N	0141729.2E

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones added; Editorial.

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

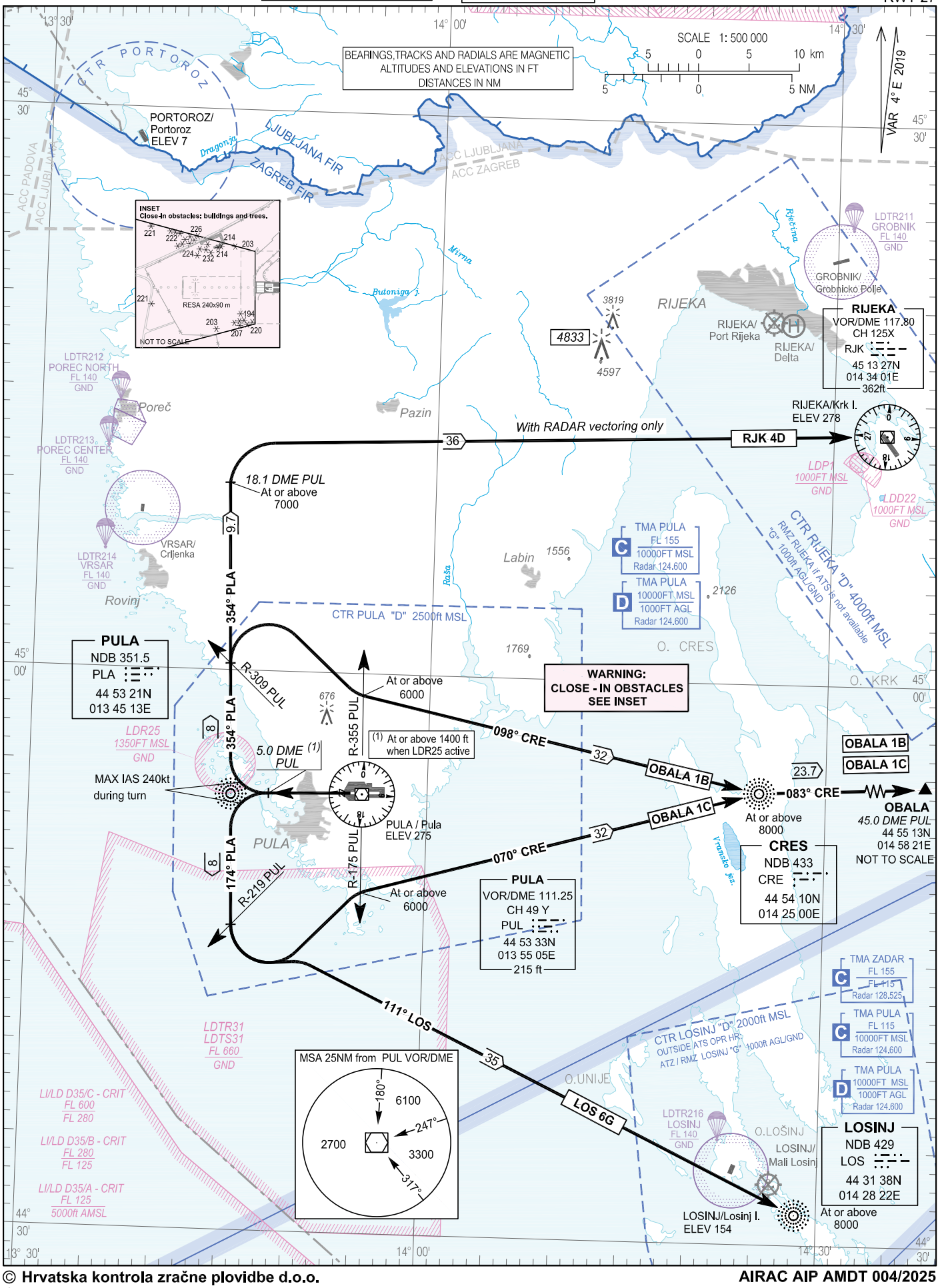
TRANSITION ALTITUDE
10 000

PULA ATIS	129.150
PULA TOWER	132.000
PULA RADAR	127.675
	124.600

RJK 4D OBALA 1B
OBALA 1C LOS 6G

PULA / Pula (LDPL)

RWY 27



CHANGE: SIDs PEVAL 1B and GIRDA 5F withdrawn; VRS NDB withdrawn; TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones added; Editorial.

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

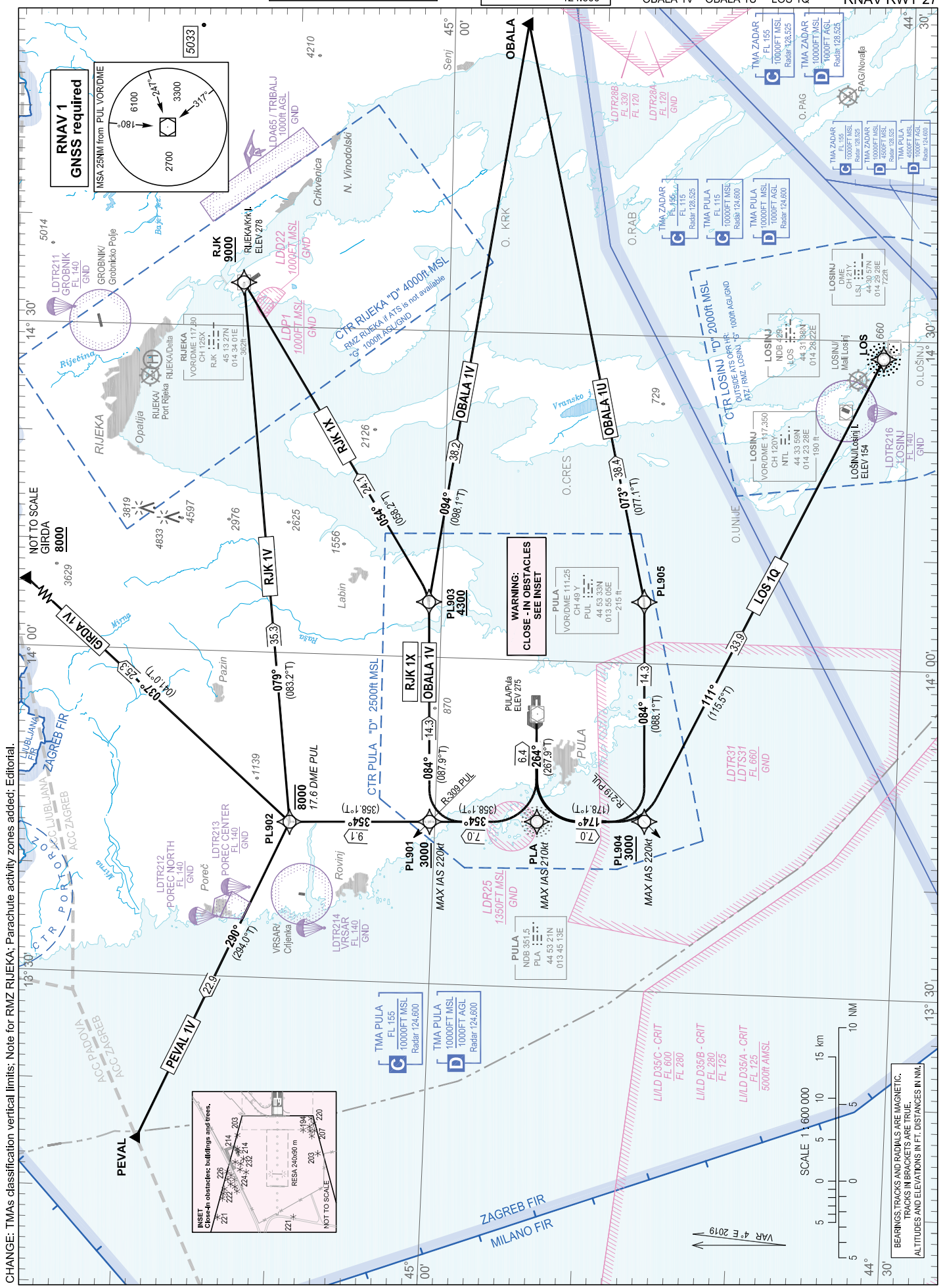
TRANSITION ALTITUDE
10 000

PULA ATIS	129.150
PULA TOWER	132.000
PULA RADAR	127.675
	124.600

PEVAL 1V GIRDA 1V
RJK 1V RJK 1X
OBALA 1V OBALA 1U LOS 1Q

PULA / Pula (LDPL)

RNAV RWY 27



CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones added; Editorial.

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PULA/ Pula (LDPL)

RNAV RWY 27

PEVAL 1V GIRDA 1V
RJK 1V RJK 1X
OBALA 1V OBALA 1U LOS 1Q

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

- Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 ft/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary, this is indicated in the tabular description of the route.
- After take-off, climb initially to 5000 ft. After passing 1000 ft, contact Pula Radar on 127.675 MHz.
- Caution: Close-in obstacles. See inset on the chart.

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SIDs PEVAL 1V, GIRDA 1V, RJK 1V, RJK 1X and OBALA 1V only:

Climb straight ahead. At PLA NDB turn RIGHT (MAX IAS 210 KT) climbing to intercept and follow QDR 354° PLA NDB. Cross R-309 PUL at or above 3000 ft AMSL. After passing 3000 ft AMSL proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction.

LDPL RNAV STANDARD INSTRUMENT DEPARTURE RWY 27

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	PEVAL 1V	CF	PLA	-	264° (267.9°T)	4°E	6.4	-	-	-210	-	RNAV 1
020		TF	PL901	-	354° (358.1° T)	4°E	7.0	R	+3000	-220		
030		TF	PL902	-	354° (358.1°T)	4°E	9.1	-	-8000	-		
040		TF	PEVAL	-	290° (294.0°T)	4°E	22.9	-	-	-		
010	GIRDA 1V	CF	PLA	-	264° (267.9°T)	4°E	6.4	-	-	-210	-	RNAV 1
020		TF	PL901	-	354° (358.1°T)	4°E	7.0	R	+3000	-220		
030		TF	PL902	-	354° (358.1°T)	4°E	9.1	-	-8000	-		
040		TF	GIRDA	-	037° (041.0°T)	4°E	25.3	-	+8000	-		
010	RJK 1V	CF	PLA	-	264° (267.9°T)	4°E	6.4	-	-	-210	-	RNAV 1
020		TF	PL901	-	354° (358.1° T)	4°E	7.0	R	+3000	-220		
030		TF	PL902	-	354° (358.1°T)	4°E	9.1	-	-8000	-		
040		TF	RJK	-	079° (083.2°T)	4°E	35.3	-	+9000	-		
010	RJK 1X	CF	PLA	-	264° (267.9°T)	4°E	6.4	-	-	-210	-	RNAV 1
020		TF	PL901	-	354° (358.1° T)	4°E	7.0	R	+3000	-220		
030		TF	PL903	-	084° (087.9°T)	4°E	14.3	R	+4300	-		
040		TF	RJK	-	054° (058.2° T)	4°E	24.1	-	+9000	-		
010	OBALA 1V	CF	PLA	-	264° (267.9°T)	4°E	6.4	-	-	-210	-	RNAV 1
020		TF	PL901	-	354° (358.1° T)	4°E	7.0	R	+3000	-220		
030		TF	PL903	-	084° (087.9°T)	4°E	14.3	R	+4300	-		
040		TF	OBALA	-	094° (098.1° T)	4°E	38.2	-	-	-		

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones added; Editorial.

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PULA / Pula (LDPL)

PEVAL 1V GIRDA 1V
RJK 1V RJK 1X
OBALA 1V OBALA 1U LOS 1Q

RNAV RWY 27

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SIDs OBALA 1U and LOS 1Q only:
Climb straight ahead. At PLA NDB turn LEFT (MAX IAS 210kt) climbing to intercept and follow QDR 174° PLA NDB. Cross R-219 PUL at or above 3000 ft AMSL. After passing 3000 ft proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction.

LDPL RNAV STANDARD INSTRUMENT DEPARTURE RWY 27

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	OBALA 1U	CF	PLA	-	264° (267.9°T)	4°E	6.4	-	-	-210	-	RNAV 1
020		TF	PL904	-	174° (178.1°T)	4°E	7.0	-	+3000	-220		
030		TF	PL905	-	084° (088.1°T)	4°E	14.3	-	-	-		
040		TF	OBALA	-	073° (077.1°T)	4°E	38.4	-	-	-		
010	LOS 1Q	CF	PLA	-	264° (267.9°T)	4°E	6.4	-	-	-210	-	RNAV 1
020		TF	PL904	-	174° (178.1°T)	4°E	7.0	-	+3000	-220		
030		TF	LOS	-	111° (115.5°T)	4°E	33.9	-	-	-		

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
LOS	443137.55N	0142822.25E
PLA	445321.15N	0134512.66E
RJK	451326.85N	0143401.06E
GIRDA	452832N	0140802E
OBALA	445513N	0145821E
PEVAL	451841N	0131451E
PL901	450020.8N	0134452.6E
PL902	450928.0N	0134426.3E
PL903	450050.1N	0140504.0E
PL904	444621.4N	0134532.6E
PL905	444648.3N	0140537.3E

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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

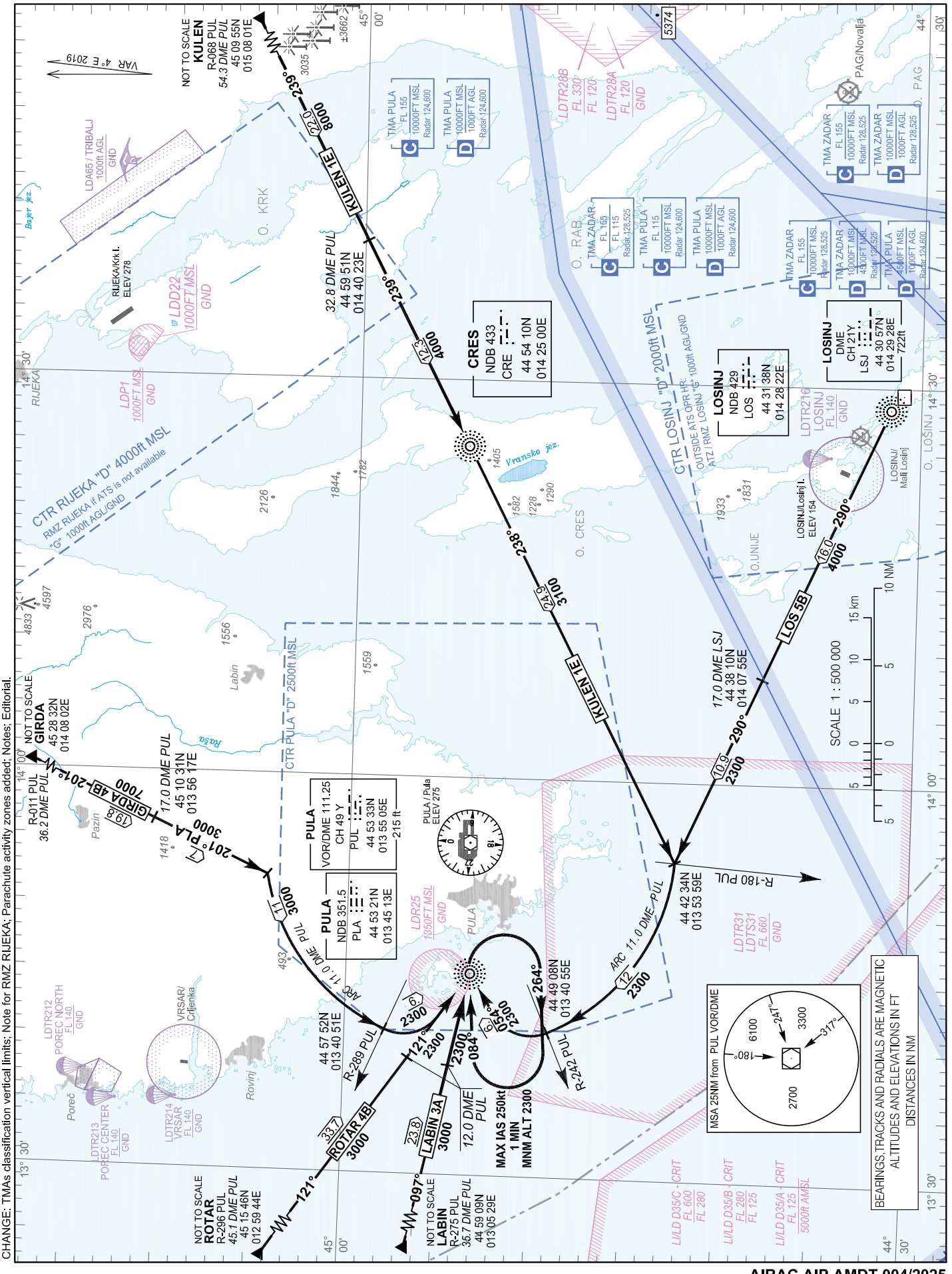
TRANSITION ALTITUDE
10 000

PULA ATIS	129.150
PULA RADAR	127.675
	124.600
PULA TOWER	132.000

PULA / Pula (LDPL)

GIRDA 4B LOS 5B | KULEN 1E ROTAR 4B | LABIN 3A

RWY 09



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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

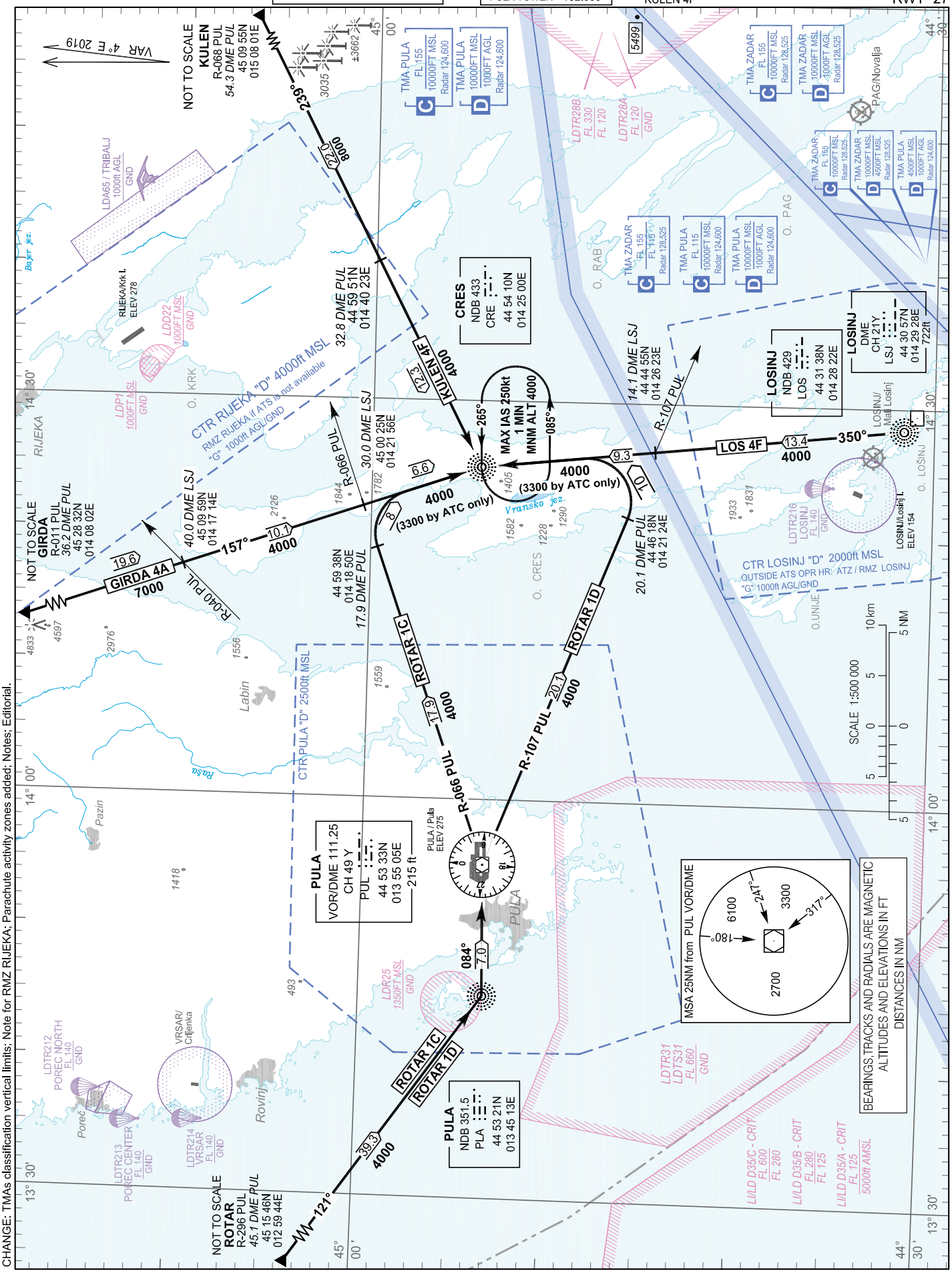
PULA ATIS	129.150
PULA RADAR	127.675
	124.600
PULA TOWER	132.000

GIRDA 4A
ROTAR 1D
KULEN 4F

ROTAR 1C
LOS 4F

PULA / Pula (LDPL)

RWY 27



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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

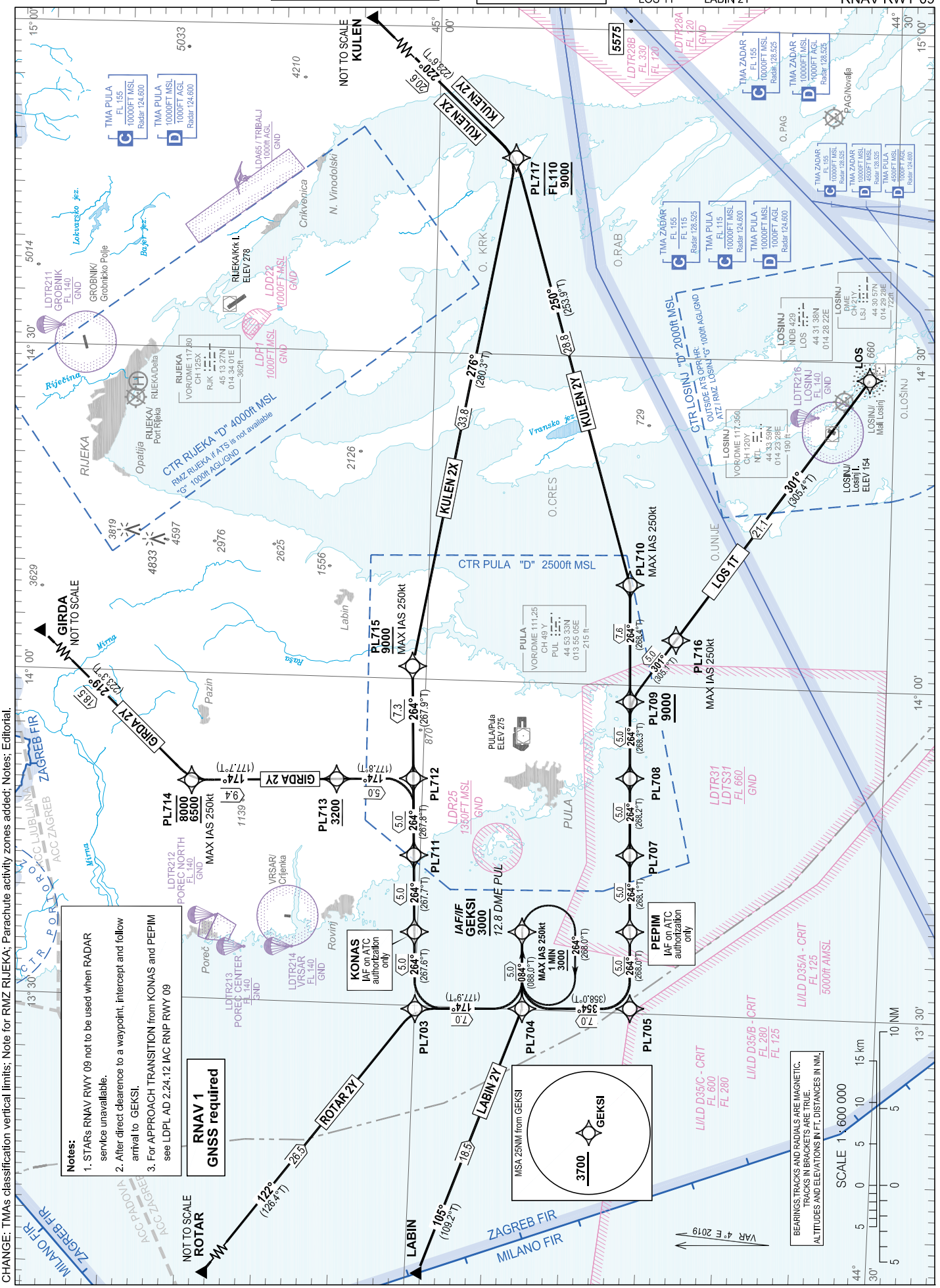
TRANSITION ALTITUDE
10 000

PULA ATIS	129.150
PULA RADAR	127.675
	124.600
PULA TOWER	132.000

ROTAR 2Y GIRDA 2Y
KULEN 2X KULEN 2Y
LOS 1T LABIN 2Y

PULA / Pula (LDPL)

RNAV RWY 09



CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones added; Notes; Editorial.

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PULA / Pula (LDPL)

RNAV RWY 09

ROTAR 2Y GIRDA 2Y
KULEN 2X KULEN 2Y
LOS 1T LABIN 2Y

LDPL RNAV STANDARD ARRIVAL RWY 09

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	ROTAR 2Y	IF	ROTAR	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	PL703	-	122° (126.4°T)	4°E	26.5	-	-	-	-	
030		TF	PL704	-	174° (177.9°T)	4°E	7.0	-	-	-	-	
040		TF	GEKSI	-	084° (088.0°T)	4°E	5.0	-	+3000	-	IAF/IF	
010	GIRDA 2Y	IF	GIRDA	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	PL714	-	219° (223.3°T)	4°E	18.5	-	-8000 +6500	-250	-	
030		TF	PL713	-	174° (177.7°T)	4°E	9.4	-	+3200	-	-	
040		TF	PL712	-	174° (177.8°T)	4°E	5.0	-	-	-	-	
050		TF	PL711	-	264° (267.8°T)	4°E	5.0	-	-	-	-	
060		TF	KONAS	-	264° (267.7°T)	4°E	5.0	-	-	-	IAF on ATC authorization only	
070		TF	PL703	-	264° (267.6°T)	4°E	5.0	-	-	-	-	
080		TF	PL704	-	174° (177.9°T)	4°E	7.0	-	-	-	-	
090		TF	GEKSI	-	084° (088.0°T)	4°E	5.0	-	+3000	-	IAF/IF	
010	KULEN 2X	IF	KULEN	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	PL717	-	220° (223.6T)	4°E	20.6	-	-FL110 +9000	-	-	
030		TF	PL715	-	276° (280.3°T)	4°E	33.8	-	+9000	-250	-	
040		TF	PL712	-	264° (267.9°T)	4°E	7.3	-	-	-	-	
050		TF	PL711	-	264° (267.8°T)	4°E	5.0	-	-	-	-	
060		TF	KONAS	-	264° (267.7°T)	4°E	5.0	-	-	-	IAF on ATC authorization only	
070		TF	PL703	-	264° (267.6°T)	4°E	5.0	-	-	-	-	
080		TF	PL704	-	174° (177.9°T)	4°E	7.0	-	-	-	-	
090		TF	GEKSI	-	084° (088.0°T)	4°E	5.0	-	+3000	-	IAF/IF	

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones added; Notes; Editorial.

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ROTAR 2Y GIRDA 2Y
KULEN 2X KULEN 2Y
LOS 1T LABIN 2Y

RNAV RWY 09

LDPL RNAV STANDARD ARRIVAL RWY 09

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	KULEN 2Y	IF	KULEN	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	PL717	-	220° (223.6°T)	4°E	20.6	-	-FL110 +9000	-	-	
030		TF	PL710	-	250° (253.9°T)	4°E	28.8	-	-	-250	-	
040		TF	PL709	-	264° (268.4°T)	4°E	7.6	-	+9000	-	-	
050		TF	PL708	-	264° (268.3°T)	4°E	5.0	-	-	-	-	
060		TF	PL707	-	264° (268.2°T)	4°E	5.0	-	-	-	-	
070		TF	PEPIM	-	264° (268.1°T)	4°E	5.0	-	-	-	IAF on ATC authorization only	
080		TF	PL705	-	264° (268.0°T)	4°E	5.0	-	-	-	-	
090		TF	PL704	-	354° (358.0°T)	4°E	7.0	-	-	-	-	
100		TF	GEKSI	-	084° (088.0°T)	4°E	5.0	-	+3000	-	IAF/IF	
010	LOS 1T	IF	LOS	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	PL716	-	301° (305.4°T)	4°E	21.1	-	-	-250	-	
030		TF	PL709	-	301° (305.1°T)	4°E	5.0	-	+9000	-	-	
040		TF	PL708	-	264° (268.3°T)	4°E	5.0	-	-	-	-	
050		TF	PL707	-	264° (268.2°T)	4°E	5.0	-	-	-	-	
060		TF	PEPIM	-	264° (268.1°T)	4°E	5.0	-	-	-	IAF on ATC authorization only	
070		TF	PL705	-	264° (268.0°T)	4°E	5.0	-	-	-	-	
080		TF	PL704	-	354° (358.0°T)	4°E	7.0	-	-	-	-	
090		TF	GEKSI	-	084° (088.0°T)	4°E	5.0	-	+3000	-	IAF/IF	
010	LABIN 2Y	IF	LABIN	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	PL704	-	105° (109.2°T)	4°E	18.5	-	-	-	-	
030		TF	GEKSI	-	084° (088.0°T)	4°E	5.0	-	+3000	-	IAF/IF	

IAF on ATC authorization only: For APPROACH TRANSITION from KONAS and PEPIM see LDPL AD 2.24.12 IAC RNP RWY 09

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones added; Notes; Editorial.

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PULA / Pula (LDPL)

RNAV RWY 09

ROTAR 2Y GIRDA 2Y
KULEN 2X KULEN 2Y
LOS 1T LABIN 2Y

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
GEKSI	HM	084° (088.0°T)	1MIN / -	R	3000	-	250	4°E	-	RNAV 1

Waypoint name	WGS-84 latitude	WGS-84 longitude
LOS	443137.55N	0142822.25E
GEKSI	445311.7N	0133706.9E
GIRDA	452832N	0140802E
KONAS	450012.5N	0133646.7E
KULEN	450955N	0150801E
LABIN	445909N	0130529E
PEPIM	444611.0N	0133727.0E
ROTAR	451546N	0125944E
PL703	445959.6N	0132943.5E
PL704	445301.3N	0133005.4E
PL705	444600.4N	0133026.3E
PL707	444621.1N	0134427.7E
PL708	444630.8N	0135128.5E
PL709	444640.0N	0135829.4E
PL710	444653.3N	0140910.3E
PL711	450024.8N	0134349.0E
PL712	450036.8N	0135051.4E
PL713	450536.5N	0135034.9E
PL714	451502.4N	0135003.4E
PL715	450053.5N	0140109.6E
PL716	444347.8N	0140414.0E
PL717	445458.9N	0144802.5E

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones added; Notes; Editorial.

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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

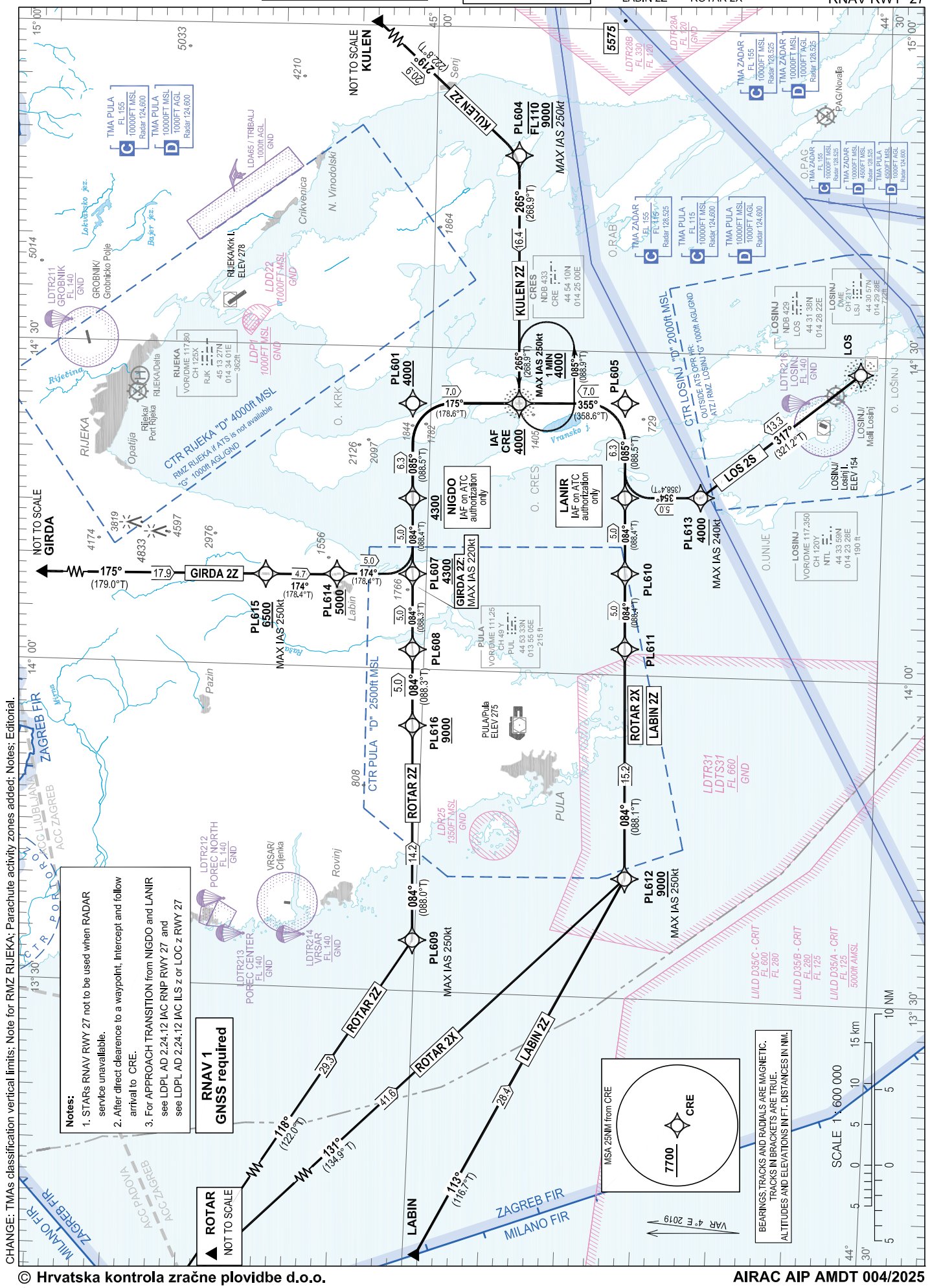
TRANSITION ALTITUDE
10 000

PULA ATIS	129.150
PULA RADAR	127.675
	124.600
PULA TOWER	132.000

ROTAR 2Z GIRDA 2Z
KULEN 2Z LOS 2S
LABIN 2Z ROTAR 2X

PULA / Pula (LDPL)

RNAV RWY 27



CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones added; Notes; Editorial.

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PULA / Pula (LDPL)

RNAV RWY 27

ROTAR 2Z GIRDA 2Z
KULEN 2Z LOS 2S
LABIN 2Z ROTAR 2X

LDPL RNAV STANDARD ARRIVAL RWY 27

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	ROTAR 2Z	IF	ROTAR	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	PL609	-	118° (122.0°T)	4°E	29.3	-	-	-250	-	
030		TF	PL616	-	084° (088.0°T)	4°E	14.2	-	+9000	-	-	
040		TF	PL608	-	084° (088.3°T)	4°E	5.0	-	-	-	-	
050		TF	PL607	-	084° (088.3°T)	4°E	5.0	-	+4300	-	-	
060		TF	NIGDO	-	084° (088.4°T)	4°E	5.0	-	+4300	-	IAF on ATC authorization only	
070		TF	PL601	-	085° (088.5°T)	4°E	6.3	-	+4000	-	-	
080		TF	CRE	-	175° (178.6°T)	4°E	7.0	-	+4000	-	IAF	
010	GIRDA 2Z	IF	GIRDA	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	PL615	-	175° (179.0°T)	4°E	17.9	-	+6500	-250	-	
030		TF	PL614	-	174° (178.4°T)	4°E	4.7	-	+5000	-	-	
040		TF	PL607	-	174° (178.4°T)	4°E	5.0	-	+4300	-220	-	
050		TF	NIGDO	-	084° (088.4°T)	4°E	5.0	-	+4300	-	IAF on ATC authorization only	
060		TF	PL601	-	085° (088.5°T)	4°E	6.3	-	+4000	-	-	
070		TF	CRE	-	175° (178.6°T)	4°E	7.0	-	+4000	-	IAF	
010	KULEN 2Z	IF	KULEN	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	PL604	-	219° (222.8°T)	4°E	20.9	-	-FL110 +9000	-250	-	
030		TF	CRE	-	265° (268.9°T)	4°E	16.4	-	+4000	-	IAF	
010	LOS 2S	IF	LOS	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	PL613	-	317° (321.2°T)	4°E	13.3	-	+4000	-240	-	
030		TF	LANIR	-	354° (358.4°T)	4°E	5.0	-	-	-	IAF on ATC authorization only	
040		TF	PL605	-	085° (088.5°T)	4°E	6.3	-	-	-	-	
050		TF	CRE	-	355° (358.6°T)	4°E	7.0	-	+4000	-	IAF	

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones added; Notes; Editorial.

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LDPL RNAV STANDARD ARRIVAL RWY 27

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	LABIN 2Z	IF	LABIN	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	PL612	-	113° (116.7°T)	4°E	28.4	-	+9000	-250	-	
030		TF	PL611	-	084° (088.1°T)	4°E	15.2	-	-	-	-	
040		TF	PL610	-	084° (088.4°T)	4°E	5.0	-	-	-	-	
050		TF	LANIR	-	084° (088.4°T)	4°E	5.0	-	-	-	IAF on ATC authorization only	
060		TF	PL605	-	085° (088.5°T)	4°E	6.3	-	-	-	-	
070		TF	CRE	-	355° (358.6°T)	4°E	7.0	-	+4000	-	IAF	
010	ROTAR 2X	IF	ROTAR	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	PL612	-	131° (134.9°T)	4°E	41.6	-	+9000	-250	-	
030		TF	PL611	-	084° (088.1°T)	4°E	15.2	-	-	-	-	
040		TF	PL610	-	084° (088.4T)	4°E	5.0	-	-	-	-	
050		TF	LANIR	-	084° (088.4°T)	4°E	5.0	-	-	-	IAF on ATC authorization only	
060		TF	PL605	-	085° (088.5°T)	4°E	6.3	-	-	-	-	
070		TF	CRE	-	355° (358.6°T)	4°E	7.0	-	+4000	-	IAF	

IAF on ATC authorization only:
For APPROACH TRANSITION from NIGDO and LANIR see LDPL AD 2.24.12 IAC RNP RWY 27 and LDPL AD 2.24.12 IAC ILS z or LOC z RWY 27

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
CRE	HM	265° (268.9°T)	1MIN / -	L	4000	-	250	4°E	-	RNAV 1

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones added; Notes; Editorial.

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PULA / Pula (LDPL)

RNAV RWY 27

ROTAR 2Z GIRDA 2Z
KULEN 2Z LOS 2S
LABIN 2Z ROTAR 2X

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
CRE	445410.37N	0142459.57E
LOS	443137.55N	0142822.25E
GIRDA	452832N	0140802E
KULEN	450955N	0150801E
LABIN	445909N	0130529E
ROTAR	451546N	0125944E
LANIR	444700.8N	0141626.9E
NIGDO	450102.6N	0141554.4E
PL601	450112.1N	0142445.1E
PL604	445431.8N	0144803.2E
PL605	444710.1N	0142513.9E
PL607	450054.6N	0140851.7E
PL608	450046.1N	0140149.0E
PL609	450009.4N	0133444.6E
PL610	444652.8N	0140925.9E
PL611	444644.4N	0140225.0E
PL612	444616.2N	0134106.3E
PL613	444200.9N	0141638.4E
PL614	450554.4N	0140840.0E
PL615	451036.9N	0140828.9E
PL616	450037.1N	0135444.0E

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones added; Notes; Editorial.

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ATC SURVEILLANCE MINIMUM ALTITUDE CHART - ICAO

TRANSITION ALTITUDE
10 000

AD ELEV 275

PULA ATIS	129.150
PULA RADAR	127.675
	124.600
PULA TOWER	132.000

PULA/ Pula (LDPL)

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones added; Reporting point UZORE replaced VRS NDB; VRS NDB withdrawn; Reporting point EVINI withdrawn; Editorial.

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ALTITUDES AND ELEVATIONS IN FT
DISTANCES IN NM

GENERAL INFORMATION:

1. ATC SURVEILLANCE BASED ON RADAR SYSTEM.
2. BELOW THE RADAR MINIMUM ALTITUDE, IFR FLIGHTS WILL BE NORMALLY CLEARED ON PUBLISHED IFR PROCEDURES ONLY.
3. MINIMUM ALTITUDES ARE REFERRED TO PULA QNH AND ARE INDICATED IN FT MSL.
4. THE AREAS DEPICTED AND ASSOCIATED MINIMUM ALTITUDES ARE ESTABLISHED BY APPLYING APPROPRIATE BUFFER AND OBSTACLE CLEARANCE OF AT LEAST 1000 FT, PLUS ADDITIONAL BUFFER OF 500 FT FOR THE LOWER LIMIT OF THE CONTROLLED AIRSPACE IN ZAGREB FIR.
5. ONLY SIGNIFICANT OBSTACLES AND DOMINANT SPOT ELEVATIONS SHOWN.
6. THIS CHART SHOULD ONLY BE USED FOR THE CROSS-CHECKING OF ASSIGNED ALTITUDES WHILST UNDER RADAR CONTROL.

SCALE 1 : 650 000

LIST OF COORDINATES FOR
MINIMUM VECTORING ALTITUDE SECTORS

	WGS-84 latitude	WGS-84 longitude
SECTOR 1	452906N	0133347E
	451946N	0134345E
	451503N	0134527E
	450937N	0134758E
	450520N	0135708E
	450306N	0135801E
	445818N	0135311E
	445818N	0135200E
	445956N	0134627E
	450232N	0134243E
	450201N	0132235E
	444147N	0132341E
	442050N	0141447E
	440926N	0134535E
	along the FIR BDRY Zagreb-Milano	
	along the FIR BDRY Zagreb-Ljubljana	
	452906N	0133347E

	WGS-84 latitude	WGS-84 longitude
SECTOR 2	442050N	0141447E
	444147N	0132341E
	450201N	0132235E
	450232N	0134243E
	445956N	0134627E
	445818N	0135200E
	445818N	0135311E
	445820N	0135728E
	444614N	0135738E
	444632N	0141216E
	443430N	0141242E
	443245N	0141451E
	443301N	0142933E
	444658N	0143545E
	444802N	0143646E
	443542N	0144440E
	442024N	0144144E
	442050N	0141447E

	WGS-84 latitude	WGS-84 longitude
SECTOR 3	445820N	0135728E
	445825N	0141127E
	444632N	0141216E
	444614N	0135738E
	445820N	0135728E

	WGS-84 latitude	WGS-84 longitude
SECTOR 4	444632N	0141216E
	444658N	0143545E
	443301N	0142933E
	443245N	0141451E
	443430N	0141242E
	444632N	0141216E

	WGS-84 latitude	WGS-84 longitude
SECTOR 5	445825N	0141127E
	445447N	0142047E
	445448N	0142648E
	445823N	0143204E
	445234N	0144112E
	444802N	0143646E
	444658N	0143545E
	444632N	0141216E
	445825N	0141127E

	WGS-84 latitude	WGS-84 longitude
SECTOR 6	450939N	0142515E
	451159N	0143204E
	450617N	0144126E
	445914N	0144805E
	444346N	0144550E
	443824N	0144824E
	443542N	0144440E
	444802N	0143646E
	445234N	0144112E
	445823N	0143204E
	450015N	0142907E
	450549N	0142856E
	450939N	0142515E

	WGS-84 latitude	WGS-84 longitude
SECTOR 7	450306N	0135801E
	450052N	0141122E
	445825N	0141127E
	445820N	0135728E
	445818N	0135311E
	450306N	0135801E

	WGS-84 latitude	WGS-84 longitude
SECTOR 8	445825N	0141127E
	445826N	0142814E
	450015N	0142907E
	445823N	0143204E
	445448N	0142648E
	445447N	0142047E
	445825N	0141127E

	WGS-84 latitude	WGS-84 longitude
SECTOR 9	450939N	0142515E
	450549N	0142856E
	450015N	0142907E
	445826N	0142814E
	445825N	0141127E
	450052N	0141122E
	450939N	0142515E

	WGS-84 latitude	WGS-84 longitude
SECTOR 10	452918N	0141228E
	452658N	0142404E
	451949N	0143119E
	451944N	0142638E
	451941N	0142352E
	451050N	0141731E
	451056N	0140529E
	452038N	0135755E
	452543N	0135214E
	along the FIR BDRY Zagreb-Ljubljana	
	452918N	0141228E

	WGS-84 latitude	WGS-84 longitude
SECTOR 11	452543N	0135214E
	452038N	0135755E
	451056N	0140529E
	450701N	0140805E
	450714N	0141826E
	450842N	0142024E
	451941N	0142352E
	451944N	0142638E
	451405N	0143141E
	451159N	0143204E
	450939N	0142515E
	450052N	0141122E
	450306N	0135801E
	450520N	0135708E
	452059N	0135058E
	452758N	0134707E
	along the FIR BDRY Zagreb-Ljubljana	
	452543N	0135214E

	WGS-84 latitude	WGS-84 longitude
SECTOR 12	451944N	0142638E
	451949N	0143119E
	450906N	0144449E
	450701N	0145612E
	445914N	0144805E
	450617N	0144126E
	451159N	0143204E
	451405N	0143141E
	451944N	0142638E

	WGS-84 latitude	WGS-84 longitude
SECTOR 13	452758N	0134707E
	452059N	0135058E
	450520N	0135708E
	450937N	0134758E
	451503N	0134527E
	451946N	0134345E
	452906N	0133347E
	along the FIR BDRY Zagreb-Ljubljana	
	452758N	0134707E

	WGS-84 latitude	WGS-84 longitude
SECTOR 14	451056N	0140529E
	451050N	0141731E
	451941N	0142352E
	450842N	0142024E
	450714N	0141826E
	450701N	0140805E
	451056N	0140529E

	WGS-84 latitude	WGS-84 longitude
SECTOR 15	453441N	0144129E
	452658N	0142404E
	452918N	0141228E
	along the FIR BDRY Zagreb-Ljubljana	
	453441N	0144129E

	WGS-84 latitude	WGS-84 longitude
SECTOR 16	445914N	0144805E
	445308N	0150900E
	443824N	0144824E
	444346N	0144550E
	445914N	0144805E

	WGS-84 latitude	WGS-84 longitude
SECTOR 17	452527N	0151100E
	452029N	0151908E
	450701N	0145612E
	450906N	0144449E
	451949N	0143119E
	452658N	0142404E
	453441N	0144129E
	along the FIR BDRY Zagreb -Ljubljana	
	452527N	0151100E

	WGS-84 latitude	WGS-84 longitude
SECTOR 18	452029N	0151908E
	451004N	0153605E
	445334N	0152156E
	445314N	0151136E
	445308N	0150900E
	445914N	0144805E
	450701N	0145612E
	451101N	0150300E
	452029N	0151908E

	WGS-84 latitude	WGS-84 longitude
SECTOR 19	451004N	0153605E
	450414N	0154529E
	along the FIR BDRY Zagreb -Sarajevo	
	445403N	0154522E
	445334N	0152156E
	451004N	0153605E

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones added; Reporting point UZORE replaced VRS NDB; VRS NDB withdrawn; Reporting point EVINI withdrawn; Editorial.

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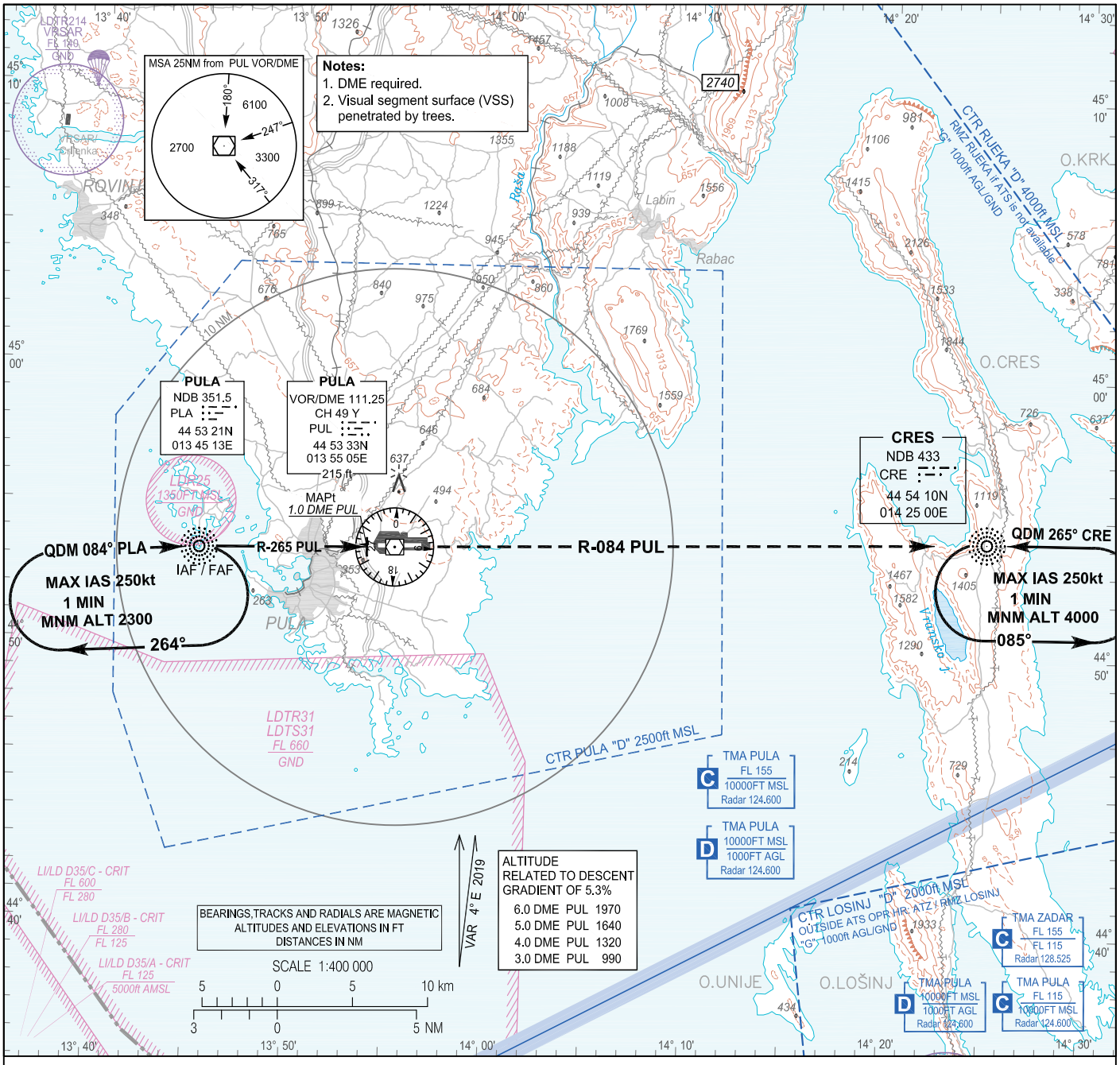
INSTRUMENT APPROACH
CHART-ICAO

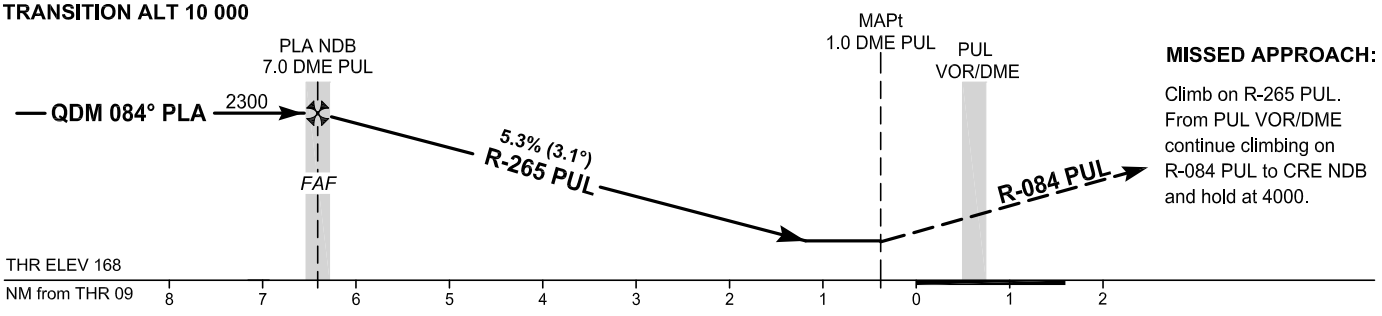
AD ELEV 275
HEIGHTS RELATED
TO THR 09 ELEV 168

PULA ATIS	129.150
PULA RADAR	127.675
	124.600
PULA TOWER	132.000

PULA / Pula (LDPL)

VOR RWY 09





OCA(H)	A	B	C	D
Straight-in Approach	670 (510)			
Circling	860 (590)	950 (680)	1110 (840)	1190 (920)

FAF to MAPt distance 6.0 NM
Timing not authorized for defining the MAPt

GS (kt)	80	100	120	140	160	180
min:sec	4:31	3:37	3:01	2:35	2:16	2:01
Rate of descent (ft/min)	433	541	650	758	866	974

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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PULA / Pula (LDPL)

VOR RWY 09

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
VOR RWY 09			
Final approach descent angle: 3.06°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (PLA NDB)	445321.15N 0134512.66E	-	-
FAF (PLA NDB)	445321.15N 0134512.66E	268.51° PUL VOR	7.02 DME PUL
MAPt	445331.0N 0135340.9E	268.51° PUL VOR	1.00 DME PUL

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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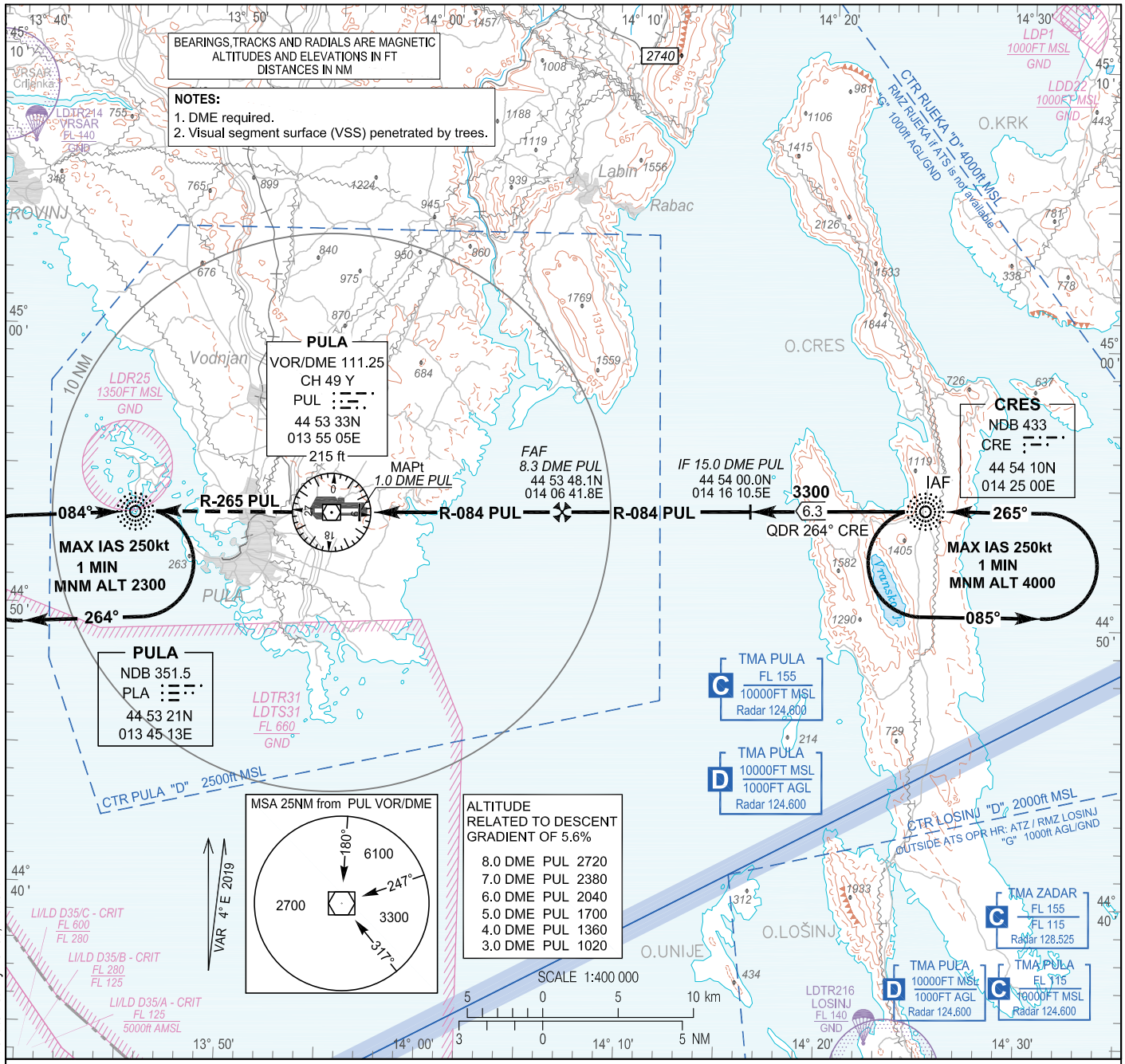
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 275
HEIGHTS RELATED
TO THR 27 ELEV 275

PULA ATIS	129.150
PULA RADAR	127.675
	124.600
PULA TOWER	132.000

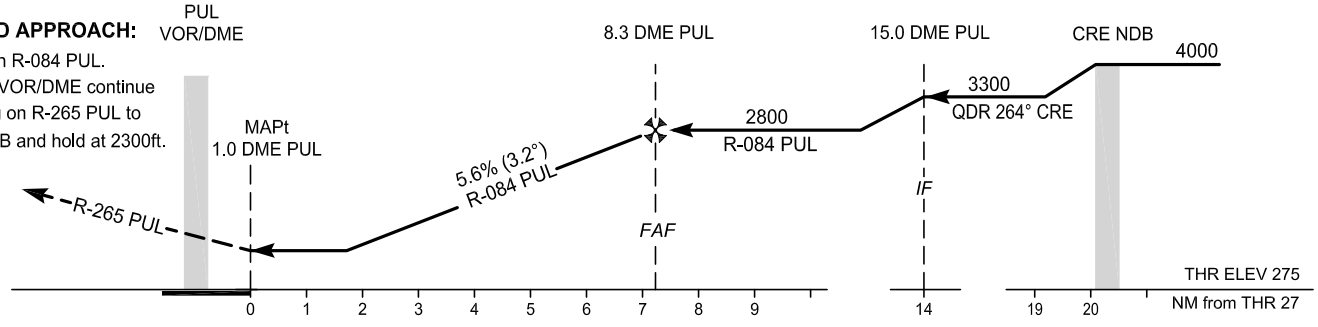
PULA / Pula (LDPL)

VOR RWY 27



TRANSITION ALT 10 000

MISSED APPROACH:
Climb on R-084 PUL.
At PUL VOR/DME continue climbing on R-265 PUL to PLA NDB and hold at 2300ft.



OCA(H)	A	B	C	D
Straight-in Approach	830 (560)			
Circling	860 (590)	950 (680)	1110 (840)	1190 (920)

FAF to MAPt distance 7.3 NM
Timing not authorized for defining the MAPt

GS (kt)	80	100	120	140	160	180
min : sec	5:27	4:21	3:38	3:07	2:43	2:25
Rate of descent (ft / min)	453	567	680	793	906	1020

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones; Editorial.

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PULA / Pula (LDPL)

VOR RWY 27

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
VOR RWY 27			
Final approach descent angle: 3.2°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (CRE NDB)	445410.37N 0142459.57E	-	-
IF	445400.0N 0141610.5E	088.12° PUL VOR	15.00 DME PUL
FAF	445348.1N 0140641.8E	088.12° PUL VOR	8.26 DME PUL
MAPt	445334.5N 0135629.6E	088.12° PUL VOR	1.00 DME PUL

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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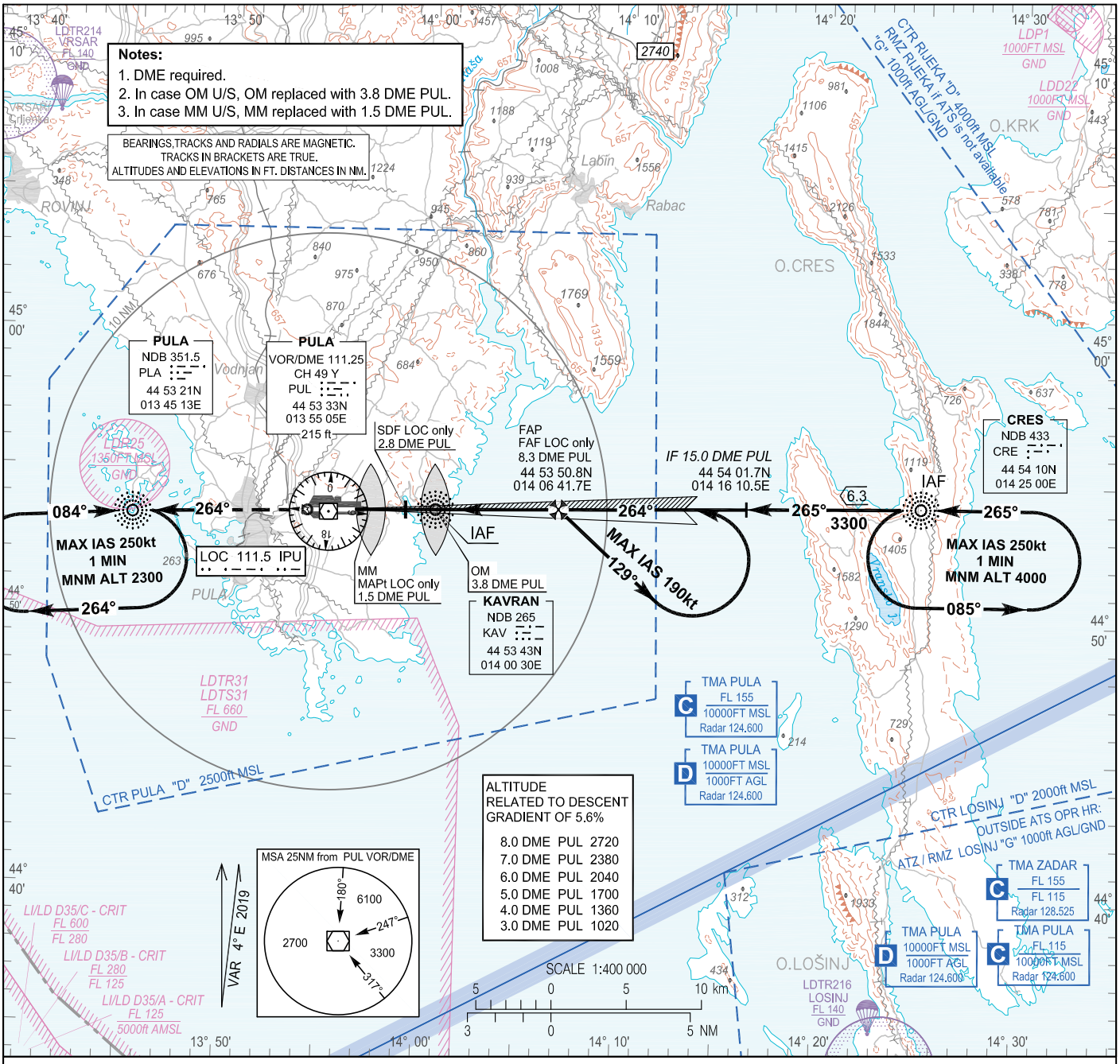
INSTRUMENT APPROACH CHART-ICAO

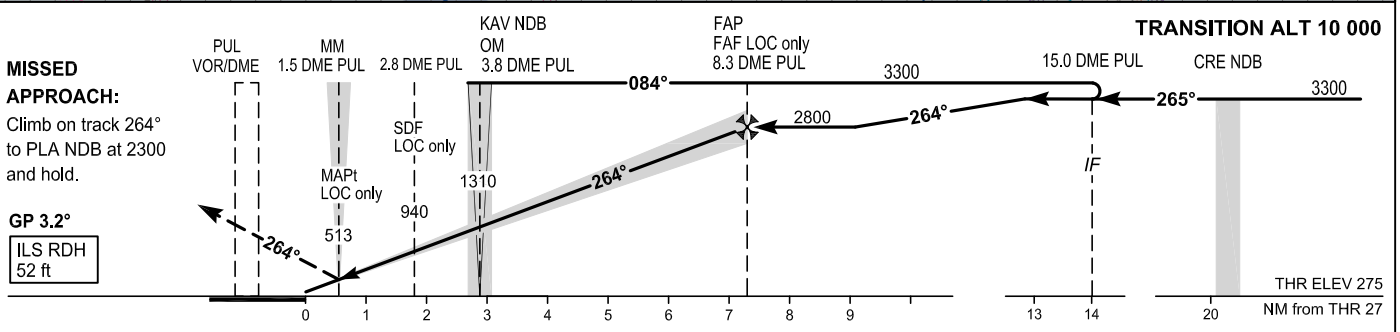
AD ELEV 275
HEIGHTS RELATED TO THR 27 ELEV 275

PULA ATIS	129.150
PULA RADAR	127.675
	124.600
PULA TOWER	132.000

PULA / Pula (LDPL)

ILS y or LOC y RWY 27





OCA(H)		A	B	C	D
Straight-in Approach	ILS CAT I press. altim.	492 (217)	498 (223)	505 (230)	515 (240)
	LOC only	690 (420)			
Circling		860 (590)	950 (680)	1110 (840)	1190 (920)

GS(kt)	80	100	120	140	160	180
Rate of descent (ft / min)	453	567	680	793	906	1020

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones added; Editorial.

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PULA / Pula (LDPL)

ILS y or LOC y RWY 27

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
ILS y or LOC y RWY 27			
LOC only - final approach descent angle: 3.2°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (KAV NDB)	445343.27N 0140029.66E	-	-
IAF (CRE NDB)	445410.37N 0142459.57E	-	-
IF	445401.7N 0141610.5E	268.28° (IPU LOC)	15.0 DME PUL
FAF LOC only	445350.8N 0140641.7E	268.28° (IPU LOC)	8.26 DME PUL
SDF LOC only	445341.4N 0135858.6E	268.28° (IPU LOC)	2.77 DME PUL
MAPt LOC only (MM 27)	445339.18N 0135712.92E	268.28° (IPU LOC)	1.52 DME PUL

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones added; Editorial.

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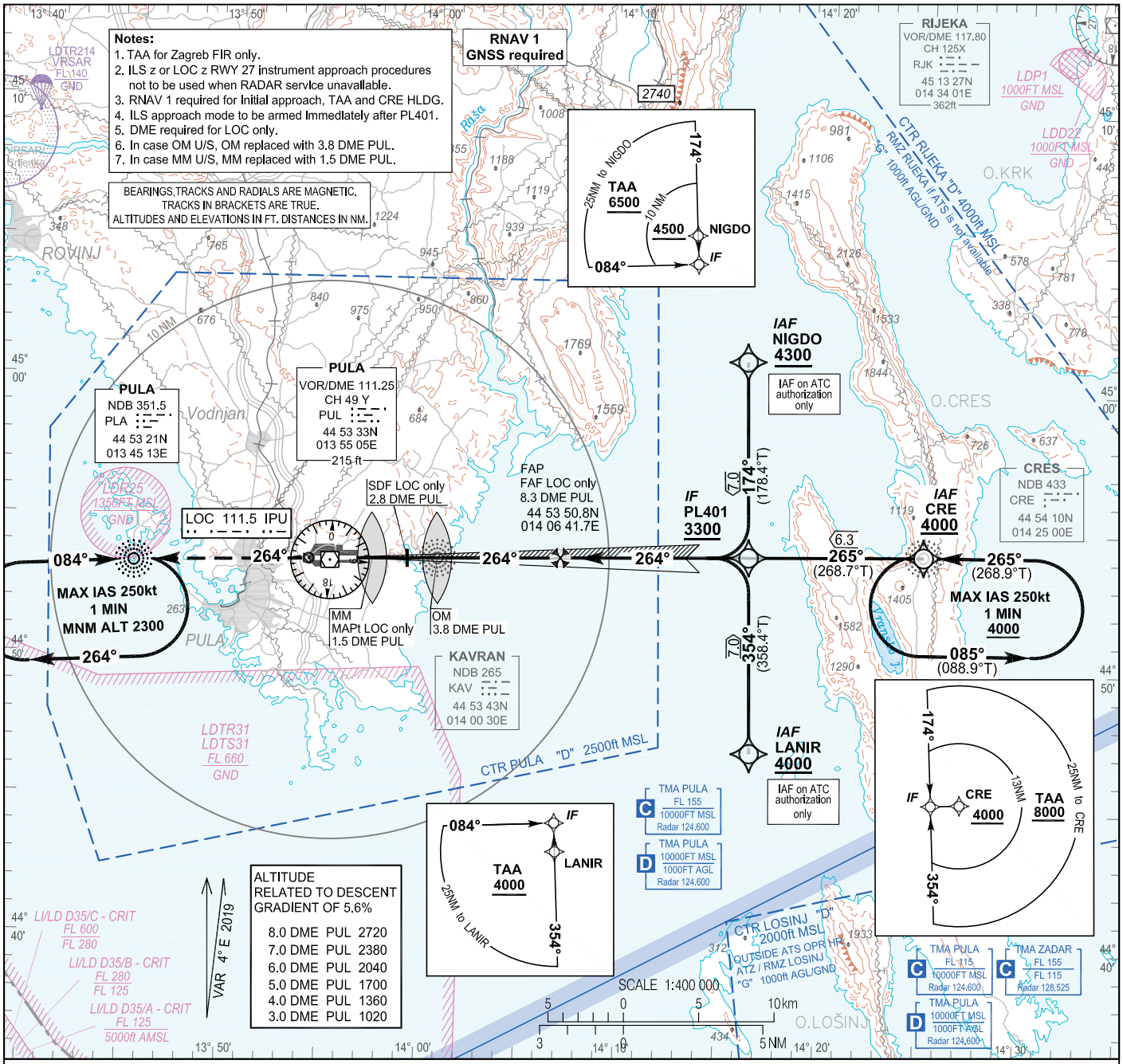
INSTRUMENT APPROACH CHART-ICAO

AD ELEV 275
HEIGHTS RELATED TO THR 27 ELEV 275

PULA ATIS	129.150
PULA RADAR	127.675
	124.600
PULA TOWER	132.000

PULA / Pula (LDPL)

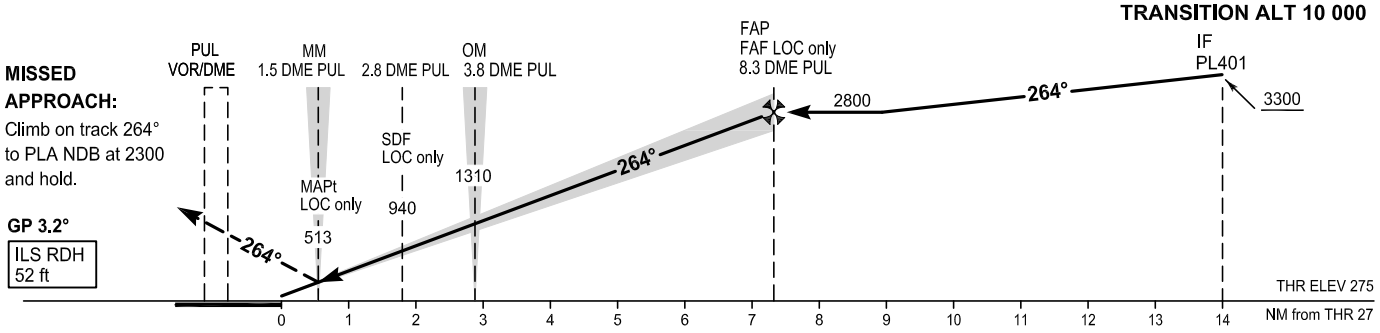
ILS z or LOC z RWY 27
(RNAV 1 to ILS or LOC transition)



TRANSITION ALT 10 000

MISSED APPROACH:
Climb on track 264° to PLA NDB at 2300 and hold.

GP 3.2°
ILS RDH 52 ft



OCA(H)		A	B	C	D
Straight-in Approach	ILS CAT I press. altim.	492 (217)	498 (223)	505 (230)	515 (240)
	LOC only	690 (420)			
Circling		860 (590)	950 (680)	1110 (840)	1190 (920)

GS(kt)	80	100	120	140	160	180
Rate of descent (ft / min)	453	567	680	793	906	1020

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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PULA / Pula (LDPL)

ILS z or LOC z RWY 27
(RNAV 1 to ILS or LOC transition)

LDPL ILS z or LOC z RWY 27 (RNAV 1 to ILS or LOC transition)

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	NIGDO	-	-	4°E	-	-	+4300	-	-	IAF on ATC autorization only	RNAV 1
020	IF	TF	PL401	-	174° (178.4°T)	4°E	7.0	-	+3300	-	-	-	
010	IAF	IF	CRE	-	-	4°E	-	-	+4000	-	-	-	RNAV 1
020	IF	TF	PL401	-	265° (268.7°T)	4°E	6.3	-	+3300	-	-	-	
010	IAF	IF	LANIR	-	-	4°E	-	-	+4000	-	-	IAF on ATC autorization only	RNAV 1
020	IF	TF	PL401	-	354° (358.4°T)	4°E	7.0	-	+3300	-	-	-	

AERONAUTICAL DATABASE REQUIREMENTS

Conventional procedure essential fixes/points

ILS z or LOC z RWY 27

LOC only - final approach descent angle: 3.2°

Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IF (PL401)	445401.7N 0141610.7E	-	-
FAF LOC only	445350.8N 0140641.7E	268.28° (IPU LOC)	8.26 DME PUL
SDF LOC only	445341.4N 0135858.6E	268.28° (IPU LOC)	2.77 DME PUL
MAPt LOC only (MM 27)	445339.18N 0135712.92E	268.28° (IPU LOC)	1.52 DME PUL

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
CRE	HM	265° (268.9°T)	1 MIN / -	L	4000	-	250	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
NIGDO	450102.6N	0141554.4E
CRE	445410.37N	0142459.57E
LANIR	444700.8N	0141626.9E
PL401	445401.7N	0141610.7E

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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INSTRUMENT APPROACH CHART-ICAO

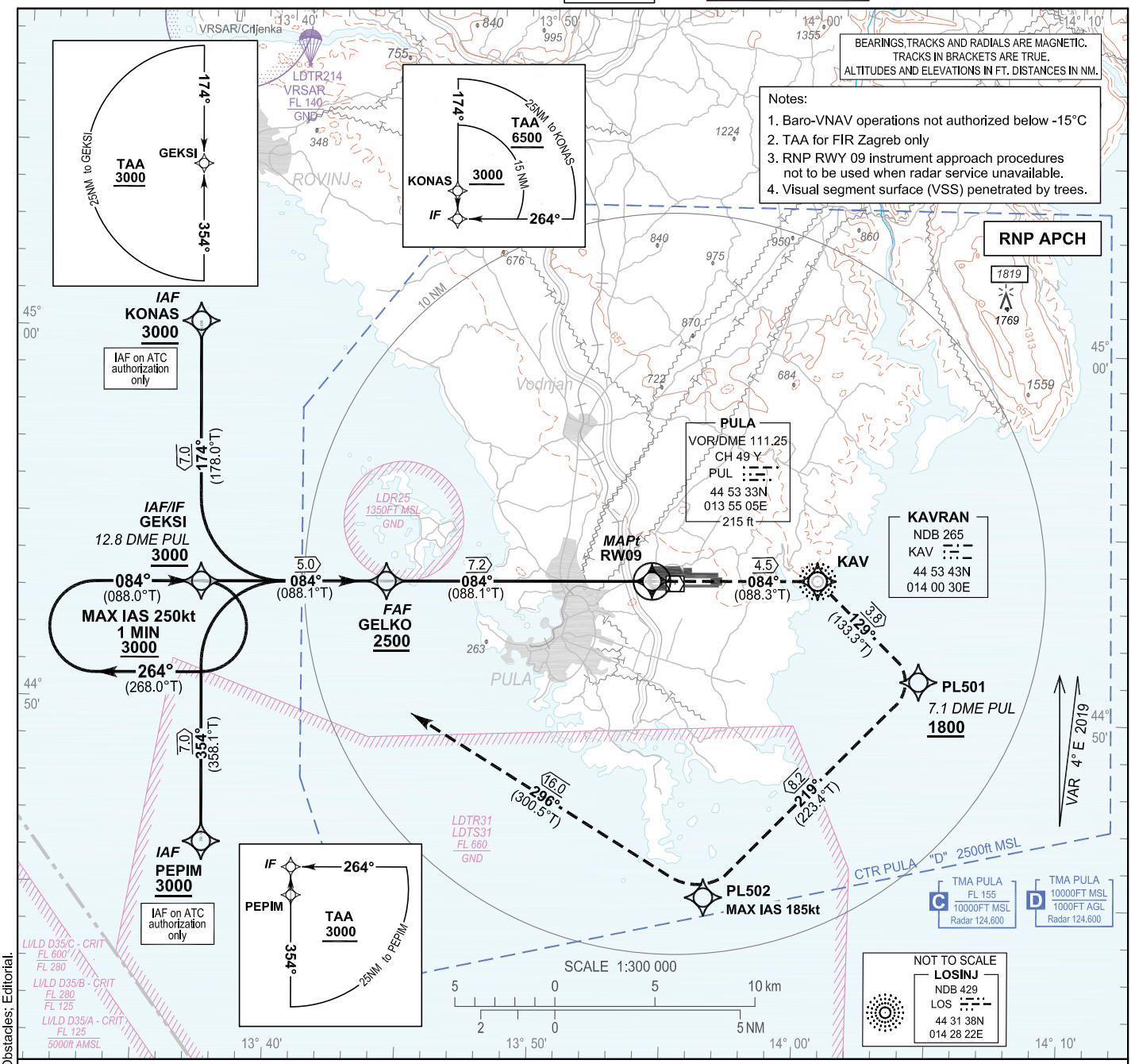
AD ELEV 275
HEIGHTS RELATED TO THR 09 ELEV 168

SBAS CH: 87881 E09A

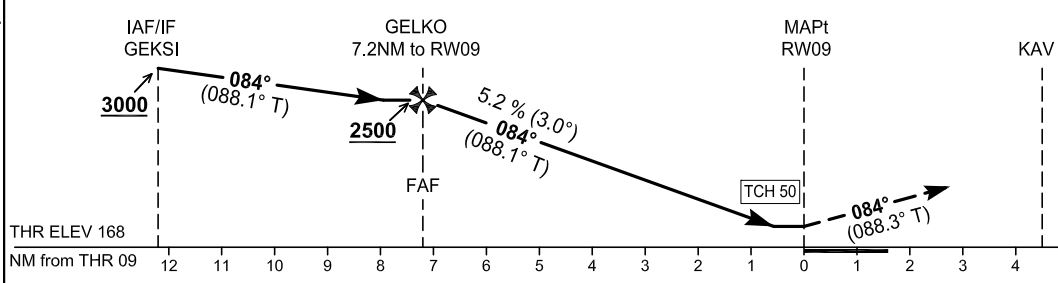
PULA ATIS	129.150
PULA RADAR	127.675
	124.600
PULA TOWER	132.000

PULA / Pula (LDPL)

RNP RWY 09



TRANSITION ALT 10 000



MISSED APPROACH

RNAV

RW09 - KAV [R] - PL501 [A1800+; R] - PL502 [R; - K185] - GEKSI [A3000]

NON RNAV

Climb straight ahead to KAV NDB. At KAV NDB turn RIGHT to intercept and follow QDR 129° KAV. At 7.1 DME PUL turn RIGHT on track 219°. Intercept QDR 297°LOS to GEKSI climbing to 3000 and hold. MAX IAS 185kt until crossing PL502.

OCA(H)		A	B	C	D
Straight-in approach	LNAV	640 (472)			
	LNAV/VNAV	540 (372)	550 (382)	560 (392)	570 (402)
	LPV	480 (312)	490 (322)	500 (332)	510 (342)
Circling		890 (620)	950 (680)	1110 (840)	1190 (920)

DIST THR / RW09	NM	7	6	5	4	3	2	1
Altitude	ft	2450	2130	1810	1490	1170	850	540

Timing not authorized for defining the MAPt							
GS	kt	80	100	120	140	160	180
GELKO - RW09 (7.2NM)	min:sec	5:23	4:18	3:35	3:04	2:41	2:23
Rate of descent (5.2%)	ft/min	425	531	637	743	849	955

CHANGE: TMAs classification vertical limits; Parachute activity zone; Obstacles; Editorial.

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RNP RWY 09

Coding elements for FAS Data Block

Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDPL
Runway	09
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E09A
LTP/FTP Latitude	445335.2700N
LTP/FTP Longitude	0135412.6710E
LTP/FTP Ellipsoidal Height (metres)	94.5
FPAP Latitude	445338.1600N
Delta FPAP Latitude (seconds)	2.8900
FPAP Longitude	0135626.8550E
Delta FPAP Longitude (seconds)	134.1840
Threshold Crossing Height	50.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 0C 10 04 0C 09 00 00 01 39 30 05 4C 1B 44 13 7E 7C F7 05 B1 17 94 16 00 50 18 04 F4 01 2C 01 64 00 C8 FA 46 87 56 11
Calculated CRC Value	46875611

Required Additional Data

ICAO Code	LD
LTP/FTP Orthometric Height (metres)	51.3

CHANGE: TMAs classification vertical limits; Parachute activity zone; Obstacles; Editorial.

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LDPL RNP RWY09

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	PEPIM	-	-	4°E	-	-	+3000	-	-	IAF on ATC autorization only	RNP APCH
020	IF	TF	GEKSI	-	354° (358.1°T)	4°E	7.0	-	+3000	-	-	-	
010	IAF / IF	IF	GEKSI	-	-	4°E	-	-	+3000	-	-	-	RNP APCH
010	IAF	IF	KONAS	-	-	4°E	-	-	+3000	-	-	IAF on ATC autorization only	RNP APCH
020	IF	TF	GEKSI	-	174° (178.0°T)	4°E	7.0	-	+3000	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	GEKSI	-	-	4°E	-	-	+3000	-	-	-	RNP APCH
020	FAF	TF	GELKO	-	084° (088.1°T)	4°E	5.0	-	+2500	-	-	-	
030	MAPt	TF	RW09	Y	084° (088.1°T)	4°E	7.2	-	-	-	3.0 / 50.0	-	
040	-	TF	KAV	-	084° (088.3°T)	4°E	4.5	-	-	-	-	-	
050	-	TF	PL501	-	129° (133.3°T)	4°E	3.8	-	+1800	-	-	-	
060	-	TF	PL502	-	219° (223.4°T)	4°E	8.2	R	-	-185	-	-	
070	MAHF	TF	GEKSI	-	296° (300.5°T)	4°E	16.0	-	3000	-	-	-	
080	MAHF	HM	GEKSI	-	084° (088.0°T)	4°E	1MIN	R	3000	-250	-	Holding above 3000ft on ATC clearance only	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path Term-inator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
GEKSI	HM	084° (088.0°T)	1MIN / -	R	3000	-	250	4°E	-	RNAV 1

Waypoint coordinates		
Waypoint name	wgs-84 latitude	wgs-84 longitude
KAV	445343.27N	0140029.66E
GEKSI	445311.7N	0133706.9E
GELKO	445321.7N	0134408.5E
KONAS	450012.5N	0133646.7E
PEPIM	444611.0N	0133727.0E
RW09	445335.27N	0135412.67E
PL501	445104.8N	0140425.8E
PL502	444506.5N	0135631.1E

CHANGE: TMAs classification vertical limits; Parachute activity zone; Obstacles; Editorial.

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INSTRUMENT APPROACH CHART-ICAO

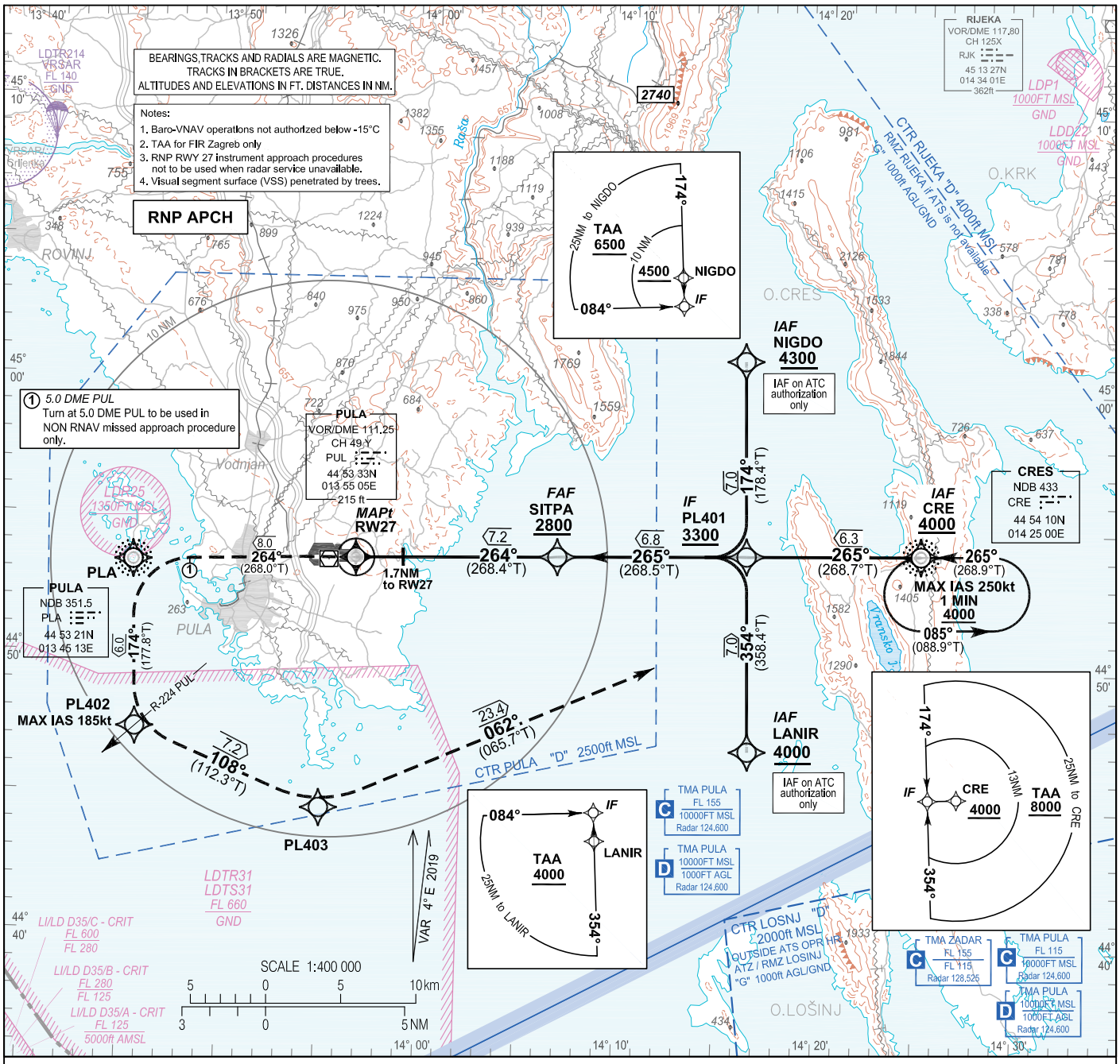
AD ELEV 275
HEIGHTS RELATED TO THR 27 ELEV 275

SBAS
CH: 84565
E27A

PULA ATIS	129.150
PULA RADAR	127.675
	124.600
PULA TOWER	132.000

PULA / Pula (LDPL)

RNP RWY 27



MISSED APPROACH

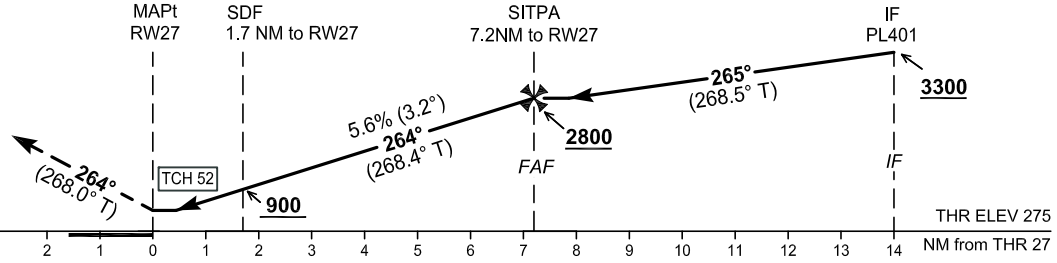
RNAV

RW27 - PLA [L] - PL402 [L; -K185] - PL403 [L] - CRE [A4000]

NON RNAV

Climb straight ahead to PLA NDB. At 5.0 DME PUL turn LEFT to intercept and follow QDR 174° PLA. On crossing R-224 PUL turn LEFT on track 108°. Intercept and follow bearing QDM 062° CRE to CRE NDB at 4000 and hold.
MAX IAS 185kt until crossing PL402.

TRANSITION ALT 10 000



OCA(H)		A	B	C	D
Straight-in approach	LNAV	710 (435)			
	LNAV/VNAV	610 (335)		620 (345)	630 (355)
	LPV	560 (285)	570 (295)	580 (305)	590 (315)
Circling		890 (620)	950 (680)	1110 (840)	1190 (920)

DIST THR / RW27	NM	7	6	5	4	3	2	1
Altitude	ft	2700	2360	2020	1680	1340	1000	660

Timing not authorized for defining the MAPt							
GS	kt	80	100	120	140	160	180
SITPA - RW27 (7.2NM)	min:sec	5:24	4:19	3:36	3:05	2:42	2:24
Rate of descent (5.6%)	ft/min	454	567	681	794	907	1021

CHANGE: TMAs classification vertical limits: Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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Coding elements for FAS Data Block

Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDPL
Runway	27
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E27A
LTP/FTP Latitude	445338.1600N
LTP/FTP Longitude	0135626.8550E
LTP/FTP Ellipsoidal Height (metres)	126.9
FPAP Latitude	445335.2700N
Delta FPAP Latitude (seconds)	-2.8900
FPAP Longitude	0135412.6710E
Delta FPAP Longitude (seconds)	-134.1840
Threshold Crossing Height	52.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.20
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 0C 10 04 0C 1B 00 00 01 37 32 05 E0 31 44 13 CE 94 FB 05 F5 18 6C E9 FF B0 E7 FB 08 02 40 01 64 00 C8 FA 8B 02 04 89
Calculated CRC Value	8B020489

Required Additional Data

ICAO Code	LD
LTP/FTP Orthometric Height (metres)	83.7

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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LDPL RNP RWY27

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	NIGDO	-	-	4°E	-	-	+4300	-	-	IAF on ATC autoriization only	RNP APCH
020	IF	TF	PL401	-	174° (178.4°T)	4°E	7.0	-	+3300	-	-	-	
010	IAF	IF	CRE	-	-	4°E	-	-	+4000	-	-	-	RNP APCH
020	IF	TF	PL401		265° (268.7°T)	4°E	6.3	-	+3300	-	-	-	
010	IAF	IF	LANIR	-	-	4°E	-	-	+4000	-	-	IAF on ATC autoriization only	RNP APCH
020	IF	TF	PL401	-	354° (358.4°T)	4°E	7.0	-	+3300	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	PL401	-	-	4°E	-	-	+3300	-	-	-	RNP APCH
020	FAF	TF	SITPA	-	265° (268.5°T)	4°E	6.8	-	+2800	-	-	-	
030	MAPt	TF	RW27	Y	264° (268.4°T)	4°E	7.2	-	-	-	3.2 / 52.0	-	
040	-	TF	PLA	-	264° (268.0°T)	4°E	8.0	-	-	-	-	-	
050	-	TF	PL402	-	174° (177.8°T)	4°E	6.0	L	-	-185	-	-	
060	-	TF	PL403	-	108° (112.3°T)	4°E	7.2	-	-	-	-	-	
070	MAHF	TF	CRE	-	062° (065.7°T)	4°E	23.4	-	4000	-	-	-	
080	MAHF	HM	CRE	-	265° (268.9°T)	4°E	1MIN	L	4000	-250	-	Holding above 4000ft on ATC clearance only	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path Term-inator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
CRE	HM	265° (268.9°T)	1MIN / -	L	4000	-	250	4°E	-	RNAV 1

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
CRE	445410.37N	0142459.57E
PLA	445321.15N	0134512.66E
LANIR	444700.8N	0141626.9E
NIGDO	450102.6N	0141554.4E
SITPA	445350.7N	0140636.9E
RW27	445338.16N	0135626.85E
PL401	445401.7N	0141610.7E
PL402	444721.5N	0134531.7E
PL403	444436.5N	0135455.4E

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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VISUAL OPERATION CHART

PULA / Pula (LDPL)

ARP	AD ELEV 275
44° 53' 37"N 013° 55' 20"E	

PULA ATIS	129.150	PULA TOWER	132.000
PULA RADAR	127.675 124.600		



Reporting Point	Definition
E3	Town Rabac
E6	Village Marčana
E7	R092 14DME PUL
KONAS	R293 15DME PUL
N5	Near village Baderna
P5	R179 22DME PUL
PEPIM	R236 15DME PUL
S7	South from islet Porer
S8	Cape of Marlera
U1	The northernmost cape of island Unije
V4	Verudela

Reporting Point	Definition
W4	Village Barbariga
W5	Town Vodnjan
W6	R256 13DME PUL

Two-way radio communication required.
Contact Tower normally at reporting points or any other point but not later than 5min prior to entering CTR.

VAR 4° E 2019

ATTENTION:
For latest information consult relevant publications, and NOTAMs!
Prominent transmission lines data not complete!
No guarantee for the completeness and accuracy of obstacles!

ELEVATION TINTS

(m)	ft
(1200)	3937
(800)	2625
(400)	1313
(0)	0

LEGEND

- Holding fix with WGS-84 coordinates — S8, 44 48 14N, 013 59 51E
- Significant VFR point — S7
- Recommended VFR route — ADRIA1
- Mandatory (arrival - departure) VFR route

CHANGE: TMAs classification vertical limits; Parachute activity zone; Obstacles; Editorial.

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STAR RWY 14/32

STAR RWY 14/32				
Designator	**Route**	**Descend**	**Contact**	**Remarks**
CRE 4B	**CRES FOUR BRAVO ARRIVAL** From CRE NDB proceed on QDM 031° RI to RI L (MNM ALT 6000 FT) and hold.	As cleared by ATC		
CRE 4K	**CRES FOUR KILO ARRIVAL** From CRE NDB proceed on QDM 031° RI to RI L (MNM ALT 7000 FT). At RI L turn LEFT to intercept and follow QDM 319° BRZ to BRZ NDB (MNM ALT 7000 FT) and hold.	As cleared by ATC		See BRZ NDB HLDG entry instructions on chart STAR RWY14/32.
PUL 3B	**PULA THREE BRAVO ARRIVAL** From PUL VOR DME proceed on R-061 PUL (MNM ALT 6000 FT). At midpoint change over to RI L and proceed on QDM 061° RI to RI L (MNM ALT 6000 FT) and hold.	As cleared by ATC		
PUL 3A	**PULA THREE ALPHA ARRIVAL** From PUL VOR DME intercept and follow QDM 025° BRZ to BRZ NDB (MNM ALT 7000 FT) and hold.	As cleared by ATC		
GIRDA1G	**GIRDA ONE GOLF ARRIVAL** From GIRDA proceed on QDM 105° BRZ to BRZ NDB (MNM ALT 7000 FT) and hold.	As cleared by ATC		
GIRDA1H	**GIRDA ONE HOTEL ARRIVAL** From GIRDA proceed on QDM 105° BRZ to BRZ NDB (MNM ALT 7000 FT). At BRZ NDB turn right to intercept QDM 139° RI to RI L (MNM ALT 6000 FT) and hold.	As cleared by ATC		
RUGOG 1A	**RUGOG ONE ALPHA ARRIVAL** From RUGOG proceed on QDM 278° BRZ (MNM ALT 7100 FT). After crossing R-009 RJK proceed on QDM 278° BRZ to BRZ NDB (MNM ALT 7000 FT) and hold.	As cleared by ATC		

Rezervni uređaj na TWR-u za slučaj potpunog otkaza komunikacije

U slučaju potpunog prekida komunikacije, na TWR-u Rijeka na raspolaganju je signalna svjetiljka.
Piloti trebaju pratiti svjetlosne signale s TWR-a.

LDRI AD 2.23 DODATNE INFORMACIJE

Bird concentration on and in the vicinity of RWY. Caution advised.

LDRI AD 2.24 POPRATNE KARTE AERODROMA

Naziv	Stranica
Aerodrome Chart – ICAO	LDRI AD 2.24.1 ADC -1
Aircraft Parking/Docking Chart – ICAO	LDRI AD 2.24.2 APDC -1
Aerodrome Ground Movement Chart – ICAO	*NOT AVBL*
Aerodrome Obstacle Chart – ICAO Type A RWY 14-32	LDRI AD 2.24.4 AOC RWY 14/32 -1
Aerodrome Terrain and Obstacle Chart – ICAO (Electronic)	*NOT AVBL*
Precision Approach Terrain Chart – ICAO	*NOT AVBL*
Area Chart – ICAO (departure and transit routes)	*NOT AVBL*
Standard Departure Chart - Instrument - ICAO RWY 14	LDRI AD 2.24.8 SID RWY 14 -1
Standard Departure Chart - Instrument - ICAO RNAV RWY 14	LDRI AD 2.24.8 SID RNAV RWY 14 -1
Standard Departure Chart - Instrument - ICAO RWY 32	LDRI AD 2.24.8 SID RWY 32 -1
Standard Departure Chart - Instrument - ICAO RNAV RWY 32	LDRI AD 2.24.8 SID RNAV RWY 32 -1
Area Chart – ICAO (arrival and transit routes)	*NOT AVBL*
Standard Arrival Chart - Instrument - ICAO RWY 14/32	LDRI AD 2.24.10 STAR RWY 14/32 -1
Standard Arrival Chart - Instrument - ICAO RNAV RWY 14	LDRI AD 2.24.10 STAR RNAV RWY 14 -1
Standard Arrival Chart - Instrument - ICAO RNAV RWY 32	LDRI AD 2.24.10 STAR RNAV RWY 32 -1
ATC Surveillance Minimum Altitude Chart - ICAO	*NOT AVBL*
Instrument Approach Chart - ICAO VOR RWY 14	LDRI AD 2.24.12 IAC VOR RWY 14 -1
Instrument Approach Chart - ICAO ILS y or LOC y RWY 14	LDRI AD 2.24.12 IAC ILS y or LOC y RWY 14 -1
Instrument Approach Chart - ICAO ILS z or LOC z RWY 14	LDRI AD 2.24.12 IAC ILS z or LOC z RWY 14 -1
Instrument Approach Chart - ICAO VOR RWY 32	LDRI AD 2.24.12 IAC VOR RWY 32 -1
Instrument Approach Chart - ICAO RNP RWY 14	LDRI AD 2.24.12 IAC RNP RWY 14 -1
Instrument Approach Chart - ICAO RNP RWY 32	LDRI AD 2.24.12 IAC RNP RWY 32 -1
Visual Approach Chart - ICAO	*NOT AVBL*
Visual Operation Chart	LDRI AD 2.24.13 VOC -1
Bird concentrations	*NOT AVBL*

Primjedbe: Svi postupci instrumentalnog prilaza i svi standardni instrumentalni odlasci (RWY 14 i RWY 32) su izvan radnog vremena ATS-a obustavljeni.

LDRI AD 2.25 PRODIRANJE U POVRŠINU VIZUALNOG SEGMENTA (VSS)

Nije primjenjivo.

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STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

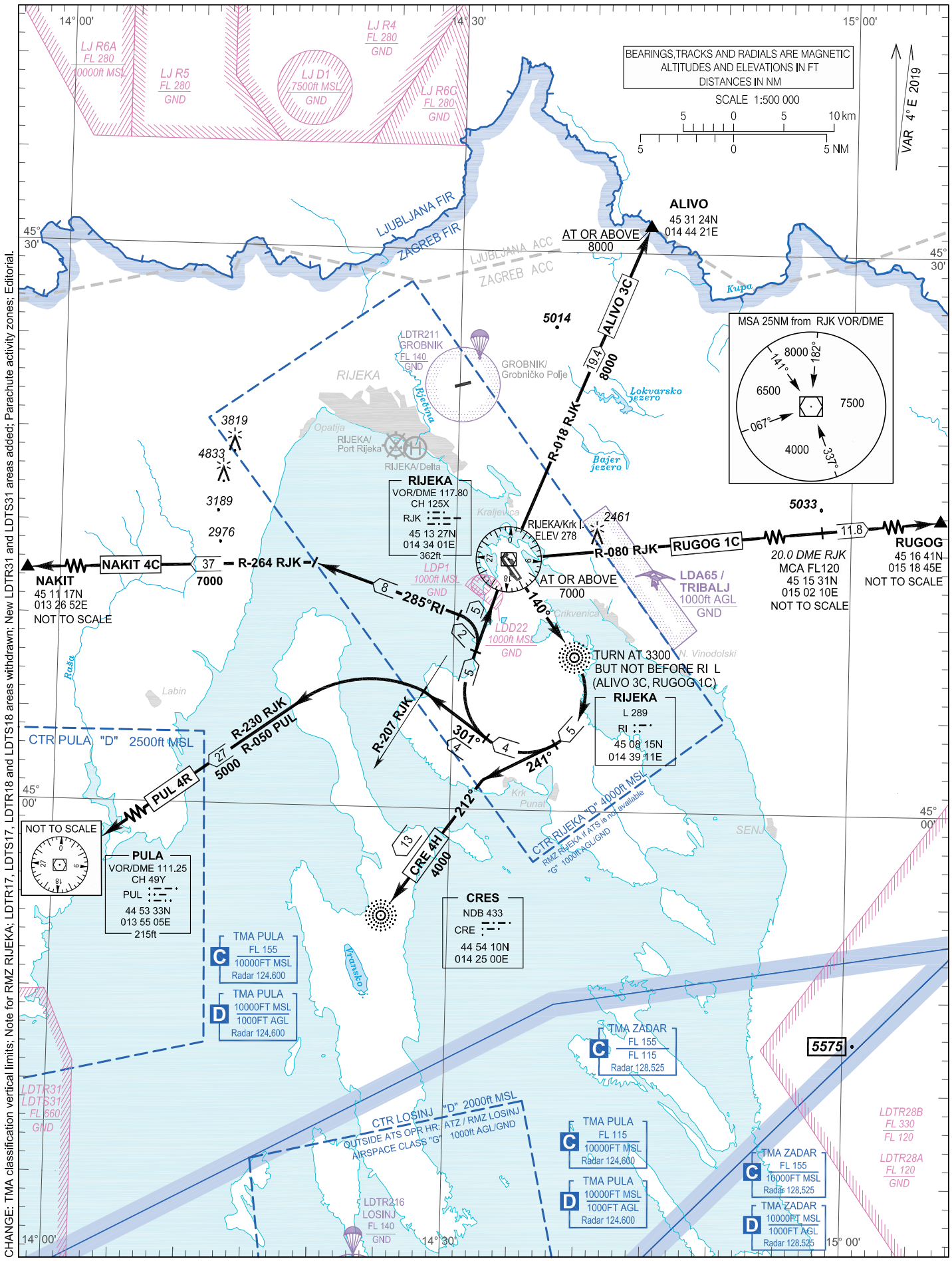
TRANSITION ALTITUDE 10 000

RIJEKA TOWER	119.000
PULA RADAR	127.675
	124.600

ALIVO 3C RUGOG 1C CRE 4H
PUL 4R NAKIT 4C

RIJEKA / Krk I. (LDRI)

RWY 14



CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; LDTR17, LDTS17, LDTR18 and LDTS18 areas withdrawn; New LDTR31 and LDTS31 areas added; Parachute activity zones; Editorial.

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STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

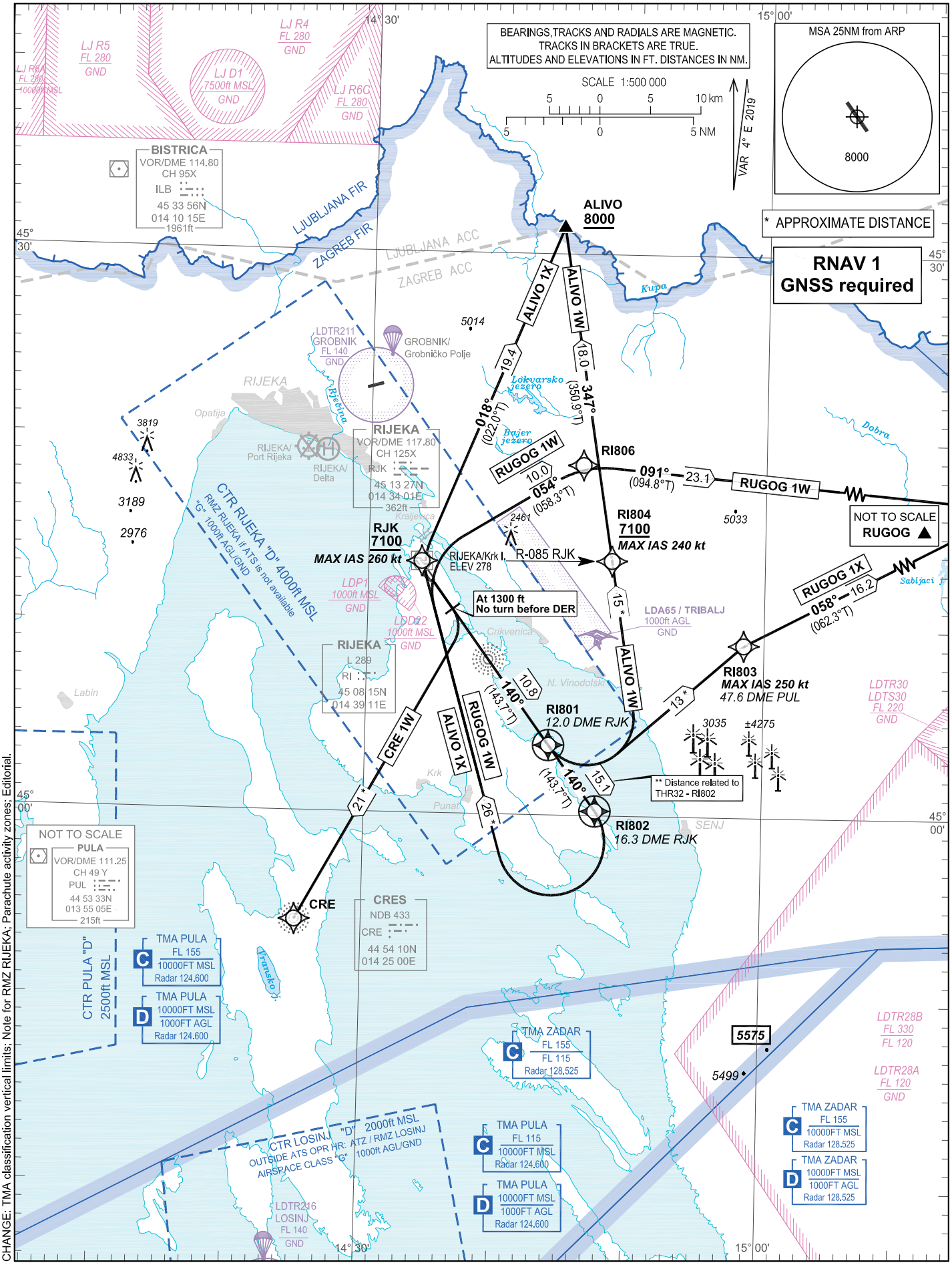
TRANSITION ALTITUDE 10 000

RIJEKA TOWER	119.000
PULA RADAR	127.675
	124.600

CRE 1W ALIVO 1X RUGOG 1W
ALIVO 1W RUGOG 1X

RIJEKA / Krk I. (LDRI)

RNAV RWY 14



CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones; Editorial.

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RIJEKA / Krk I. (LDRI)

RNAV RWY 14

CRE 1W ALIVO 1X RUGOG 1W
ALIVO 1W RUGOG 1X

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

- Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 ft/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary, this is indicated in the tabular description of the route.
- After take off, climb initially to 8000 ft. After passing 4000 ft, contact Pula Radar on 127.675 MHz.

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID CRE 1W only:

Climb straight ahead. At 1300 ft AMSL turn RIGHT climbing to CRE NDB. On passing 3500 ft AMSL proceed via RNAV SID CRE 1W or according to ATC instruction. No turn before DER.

LDRI RNAV STANDARD INSTRUMENT DEPARTURE RWY 14

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	CRE 1W	CA	-	-	140° (143.7°T)	4°E	-	-	@1300	-	No turn before DER	RNAV 1
020		DF	CRE	-	-	4°E	-	R	-	-		

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID ALIVO 1X only:

Climb straight ahead to RI L. After RI L proceed climbing on bearing QDR 140° RI L to 16.3 DME RJK. At 16.3 DME RJK turn RIGHT climbing to RJK VOR DME. Cross RJK VOR DME at or above 7100 ft AMSL. On passing 7100 ft AMSL proceed via RNAV SID ALIVO 1X or according to ATC instruction. MAX IAS 260 kt. MNM PDG 3.4% (207 ft/NM) to 3000 ft AMSL.

LDRI RNAV STANDARD INSTRUMENT DEPARTURE RWY 14

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	ALIVO 1X	CF	RI802	Y	140° (143.7°T)	4°E	15.1	-	-	-	MNM PDG 3.4% (207 ft/NM) to 3000 ft AMSL	RNAV 1
020		DF	RJK	-	-	4°E	-	R	+7100	-260		
030		TF	ALIVO	-	018° (022.0°T)	4°E	19.4	-	+8000	-		

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID RUGOG 1W only:

Climb straight ahead to RI L. After RI L proceed climbing on bearing QDR 140° RI L to 16.3 DME RJK. At 16.3 DME RJK turn RIGHT climbing to RJK VOR DME. Cross RJK VOR DME at or above 7100 ft AMSL. On passing 7100 ft AMSL proceed via RNAV SID RUGOG 1W or according to ATC instruction. MAX IAS 260 kt. MNM PDG 3.6% (219 ft/NM) to 6000 ft AMSL.

LDRI RNAV STANDARD INSTRUMENT DEPARTURE RWY 14

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	RUGOG 1W	CF	RI802	Y	140° (143.7°T)	4°E	15.1	-	-	-	MNM PDG 3.6% (219 ft/NM) to 6000 ft AMSL	RNAV 1
020		DF	RJK	-	-	4°E	-	R	+7100	-260		
030		TF	RI806	-	054° (058.3°T)	4°E	10.0	-	-	-		
040		TF	RUGOG	-	091° (094.8°T)	4°E	23.1	-	-	-		

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones; Editorial.

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CRE 1W ALIVO 1X RUGOG 1W
ALIVO 1W RUGOG 1X

RNAV RWY 14

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID ALIVO 1W only:

Climb straight ahead to RI L. After RI L proceed climbing on bearing QDR 140° RI L to 12.0 DME RJK. At 12.0 DME RJK turn LEFT climbing on track 347°. Cross R-085 RJK at or above 7100 ft AMSL. On passing 7100 ft AMSL proceed via RNAV SID ALIVO 1W or according to ATC instruction. MAX IAS 240 kt. MNM PDG 6.0% (365 ft/NM) to 7100 ft AMSL.

LDRI RNAV STANDARD INSTRUMENT DEPARTURE RWY 14

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	ALIVO 1W	CF	RI801	Y	140° (143.7°T)	4°E	10.8	-	-	-	MNM PDG 6.0% (365 ft/NM) to 7100 ft AMSL	RNAV 1
020		DF	RI804	-	-	4°E	-	L	+7100	-240		
030		TF	ALIVO	-	347° (350.9°T)	4°E	18.0	-	+8000	-		

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID RUGOG 1X only:

Climb straight ahead to 12.0 DME RJK. At 12.0 DME RJK turn LEFT climbing to intercept and follow bearing QDR 054° CRE NDB climbing to 47.6 DME PUL. On passing 7100 ft AMSL proceed via RNAV SID RUGOG 1X or according to ATC instruction. MAX IAS 250 kt. MNM PDG 6.0% (365 ft/NM) to 7100 ft AMSL.

LDRI RNAV STANDARD INSTRUMENT DEPARTURE RWY 14

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	RUGOG 1X	CF	RI801	Y	140° (143.7°T)	4°E	10.8	-	-	-	MNM PDG 6.0% (365 ft/NM) to 7100 ft AMSL	RNAV 1
020		DF	RI803	-	-	4°E	-	L	-	-250		
030		TF	RUGOG	-	058° (062.3°T)	4°E	16.2	-	-	-		

Waypoint coordinates		
Waypoint name	WGS-84 Latitude	WGS-84 Longitude
ALIVO	453124N	0144421E
RUGOG	451641N	0151845E
CRE	445410.37N	0142459.57E
RJK	451326.85N	0143401.06E
RI801	450343.9N	0144351.1E
RI802	450014.3N	0144727.2E
RI803	450911.6N	0145828.0E
RI804	451336.8N	0144824.4E
RI806	451842.8N	0144607.1E

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones; Editorial.

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STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

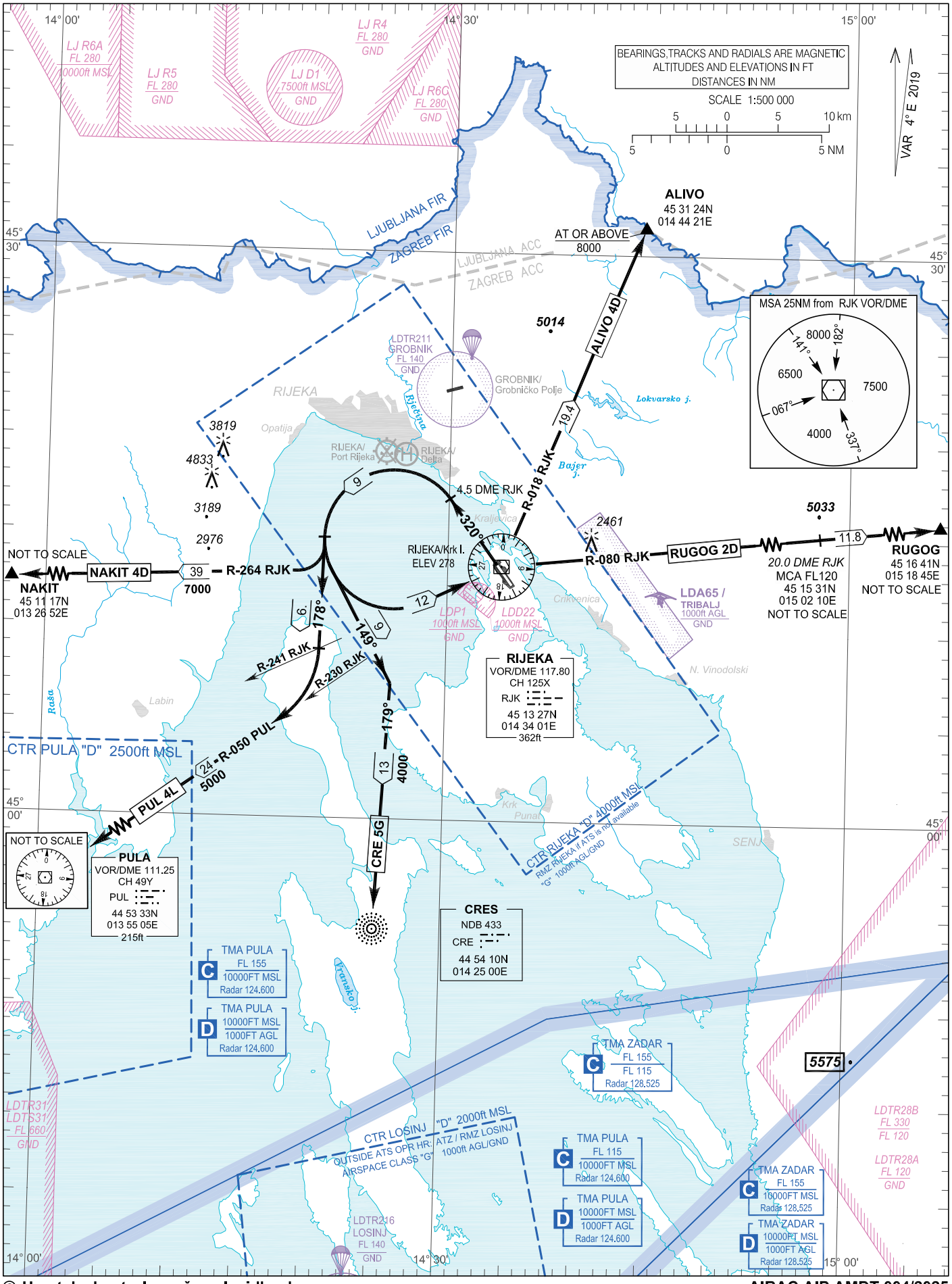
TRANSITION ALTITUDE
10 000

RIJEKA TOWER	119.000
PULA RADAR	127.675
	124.600

ALIVO 4D RUGOG 2D CRE 5G
PUL 4L NAKIT 4D

RIJEKA / Krk I. (LDRI)

RWY 32



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STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

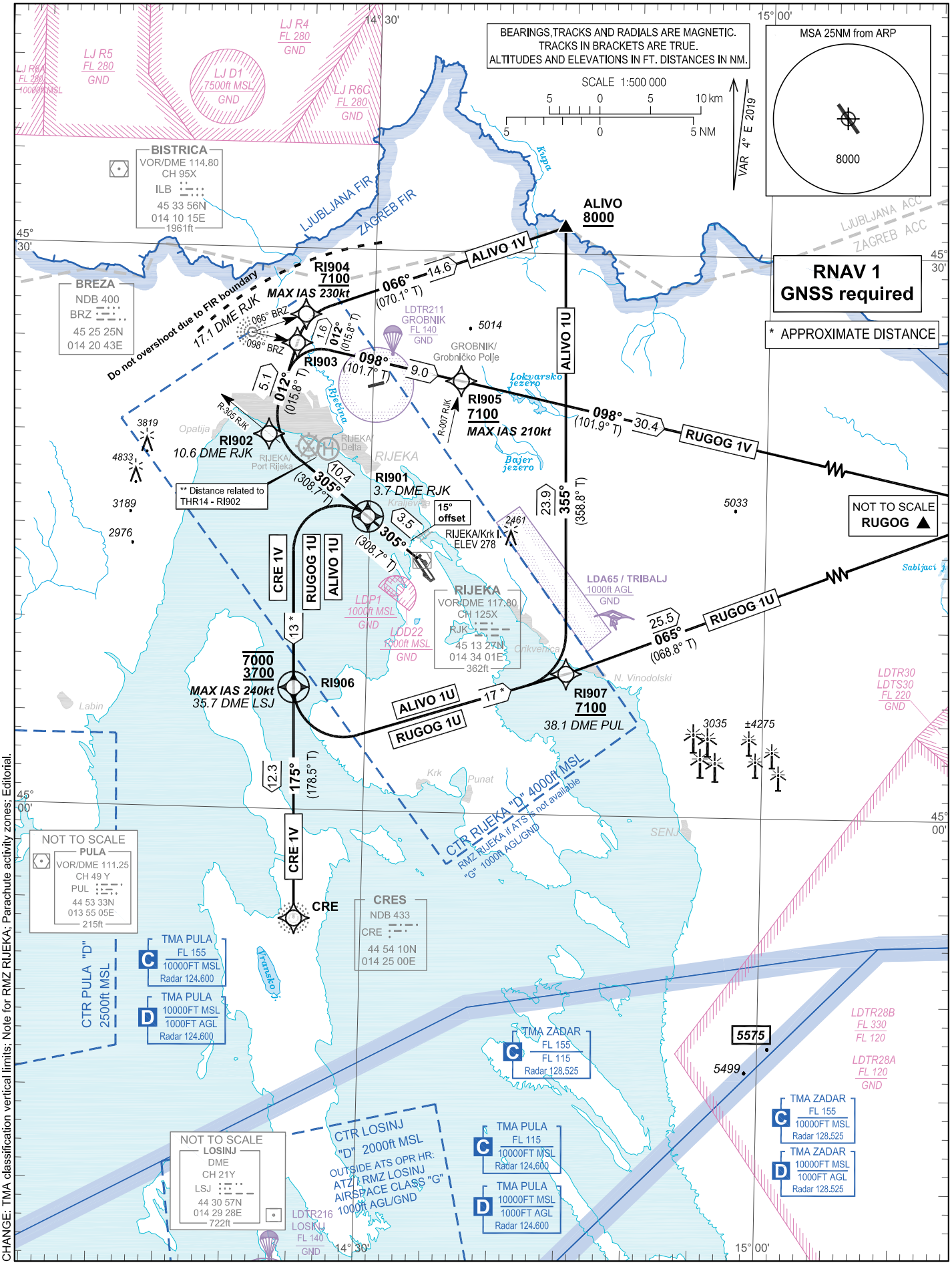
TRANSITION ALTITUDE 10 000

RIJEKA TOWER	119.000
PULA RADAR	127.675
	124.600

CRE 1V ALIVO 1U RUGOG 1U
ALIVO 1V RUGOG 1V

RIJEKA / Krk I. (LDRI)

RNAV RWY 32



CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones; Editorial.

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RIJEKA / Krk I. (LDRI)

RNAV RWY 32

CRE 1V ALIVO 1U RUGOG 1U
ALIVO 1V RUGOG 1V

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

- Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 ft/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary, this is indicated in the tabular description of the route.
- After take off, climb initially to 8000 ft. After passing 4000 ft, contact Pula Radar on 127.675 MHz.

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID CRE 1V only:

Climb on track 305°. At 3.7 DME RJK turn LEFT climbing to intercept and follow QDM 175° CRE NDB to 35.7 DME LSJ. Cross 35.7 DME LSJ at or above 3700 ft AMSL, but at or below 7000 ft AMSL. After crossing 35.7 DME LSJ proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction. MAX IAS 240 kt. MNM PDG 4.0% (243 ft/NM) until 35.7 DME LSJ.

LDRI RNAV STANDARD INSTRUMENT DEPARTURE RWY 32

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	CRE 1V	CF	RI901	Y	305° (308.7°T)	4°E	3.5	-	-	-	(1) MNM PDG 4.0% (243 ft/NM) until RI906	RNAV 1
020		DF	RI906	Y	-	4°E	-	L	-7000 +3700	-240	(2) Initial DEP track 15° offset of the RWY C/L.	
030		TF	CRE	-	175° (178.5°T)	4°E	12.3	-	-	-		

WARNING:Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SIDs ALIVO 1U and RUGOG 1U only:

Climb on track 305°. At 3.7 DME RJK turn LEFT climbing to intercept and follow QDM 175° CRE NDB to 35.7 DME LSJ. Cross 35.7 DME at or above 3700 ft AMSL, but at or below 7000 ft AMSL. After crossing 35.7 DME LSJ proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction. MAX IAS 240 kt. MNM PDG 4.2% (255 ft/NM) to 7100 ft AMSL.

LDRI RNAV STANDARD INSTRUMENT DEPARTURE RWY 32

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	ALIVO 1U	CF	RI901	Y	305° (308.7°T)	4°E	3.5	-	-	-	(1) MNM PDG 4.2% (255 ft/NM) to 7100 ft AMSL	RNAV 1
020		DF	RI906	Y	-	4°E	-	L	-7000 +3700	-240	(2) Initial DEP track 15° offset of the RWY C/L.	
030		DF	RI907	-	-	4°E	-	L	+7100			
040		TF	ALIVO	-	355° (358.8° T)	4°E	23.9	L	+8000	-		
010	RUGOG 1U	CF	RI901	Y	305° (308.7°T)	4°E	3.5	-	-	-	(1) MNM PDG 4.2% (255 ft/NM) to 7100 ft AMSL	RNAV 1
020		DF	RI906	Y	-	4°E	-	L	-7000 +3700	-240	(2) Initial DEP track 15° offset of the RWY C/L.	
030		DF	RI907	-	-	4°E	-	L	+7100			
040		TF	RUGOG	-	065° (068.8° T)	4°E	25.5	-	-	-		

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones; Editorial.

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WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID ALIVO 1V only:

Climb on R-305 RJK. At 10.6 DME RJK turn RIGHT on track 012° climbing to intercept and follow QDR 066° BRZ NDB to ALIVO. On passing 7100 ft AMSL proceed via RNAV SID ALIVO 1V or according to ATC instruction. MAX IAS 230 kt. MNM PDG 6.8% (413 ft/NM) to 7100 ft AMSL. Due to FIR boundary, do not overshoot 17.1 DME RJK during the turns.

LDRI RNAV STANDARD INSTRUMENT DEPARTURE RWY 32

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	ALIVO 1V	CF	RI902	-	305° (308.7°T)	4°E	10.4	-	-	-	(1) MNM PDG 6.8% (413 ft/NM) to 7100 ft AMSL.	RNAV 1
020		TF	RI904	-	012° (015.8°T)	4°E	6.7	-	+7100	-230	(2) Initial DEP track 15° offset of the RWY C/L.	
030		TF	ALIVO	-	066° (070.1°T)	4°E	14.6	-	+8000	-		

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID RUGOG 1V only:

Climb on R-305 RJK. At 10.6 DME RJK turn RIGHT on track 012° climbing to intercept and follow QDR 098° BRZ NDB to RUGOG.
Cross R-007 RJK at or above 7100 ft AMSL. On passing 7100 ft AMSL proceed via RNAV SID RUGOG 1V or according to ATC instruction. MAX IAS 210 kt. MNM PDG 6.6% (401 ft/NM) to 7100 ft AMSL. Due to FIR boundary, do not overshoot 17.1 DME RJK during the turns.

LDRI RNAV STANDARD INSTRUMENT DEPARTURE RWY 32

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	RUGOG 1V	CF	RI902	-	305° (308.7°T)	4°E	10.4	-	-	-	(1) MNM PDG 6.6% (401 ft/NM) to 7100 ft AMSL	RNAV 1
020		TF	RI903	-	012° (015.8°T)	4°E	5.1	-	-	-	(2) Initial DEP track 15° offset of the RWY C/L.	
030		TF	RI905	-	098° (101.7°T)	4°E	9.0	-	+7100	-210		
040		TF	RUGOG	-	098° (101.9°T)	4°E	30.4	-	-	-		

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
ALIVO	453124N	0144421E
RUGOG	451641N	0151845E
CRE	445410.37N	0142459.57E
RI901	451543.1N	0142949.8E
RI902	452001.0N	0142211.8E
RI903	452455.0N	0142409.9E
RI904	452627.3N	0142447.0E
RI905	452304.4N	0143640.2E
RI906	450630.5N	0142432.7E
RI907	450732.1N	0144504.8E

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones; Editorial.

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STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO

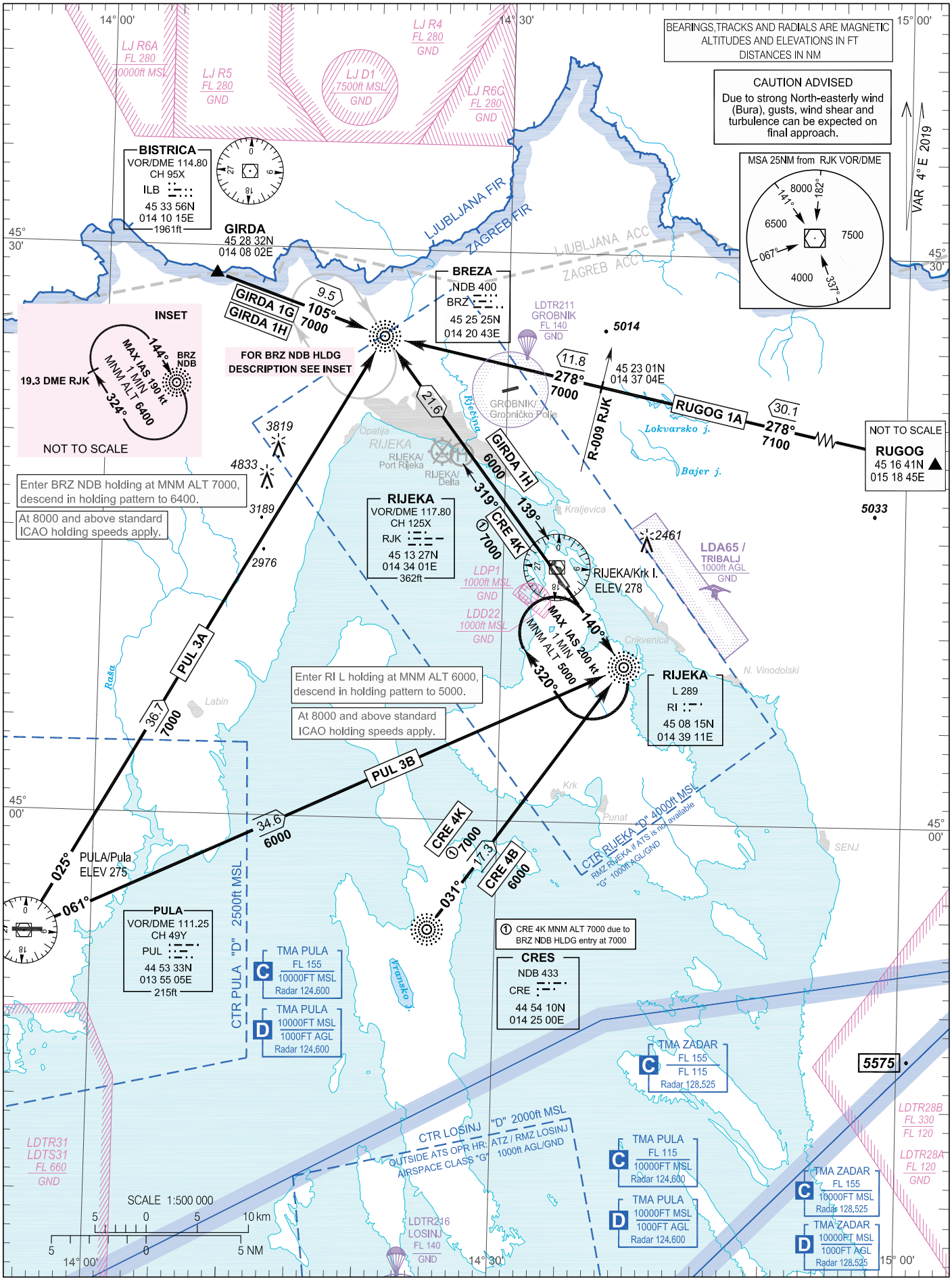
TRANSITION ALTITUDE
10 000

PULA RADAR	127.675
	124.600
RIJEKA TOWER	119.000

CRE 4B CRE 4K PUL 3B
PUL 3A GIRDA 1G GIRDA 1H RUGOG 1A

RIJEKA / Krk I. (LDRI)

RWY 14 / 32



CHANGE: TMA classification vertical limits;Note for RMZ RIJEKA; LDTR17, LDTS17, LDTR18 and LDTS18 areas withdrawn; New LDTR31 and LDTS31 areas added; Parachute activity zones; Notes; Editorial.

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STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE 10 000

PULA RADAR	127.675
	124.600
RIJEKA TOWER	119.000

ROTAR 1W
RUGOG 1Z
GIRDA 1X
PUL 1Z

RIJEKA / Krk I. (LDRI)

RNAV RWY 14

RNAV 1
GNSS required

CAUTION ADVISED
Due to strong North-easterly wind (Bura), gusts, wind shear and turbulence can be expected on final approach.

Notes:
1. STARs RNAV RWY 14 not to be used when RADAR service unavailable.
2. After direct clearence to a waypoint, intercept and follow arrival to IRDAX.
3. For APPROACH TRANSITION from GIRDA and SORDO see LDRI AD 2.24.12 IAC RNP RWY 14 and LDRI AD 2.24.12 IAC ILS z or LOC z RWY 14.

GIRDA
IAF on ATC authorization only

ROTAR
NOT TO SCALE

RI603
8000
MAX IAS 250 kt

RI602
8000
MAX IAS 250 kt

SORDO
8000
(7000 by ATC only)
MAX IAS 210 kt
IAF on ATC authorization only

IAF
IRDAX
8000
MAX IAS 210kt

RUGOG
NOT TO SCALE

PUL
PULA/Pula
ELEV 275

RIJEKA/Krk I.
ELEV 278

BISTRICA
VOR/DME 114.80
CH 95X
ILB
45 33 56N
014 10 15E
1961ft

PULA
VOR/DME 111.25
CH 49 Y
PUL
44 53 33N
013 55 05E
215ft

RIJEKA
VOR/DME 117.80
CH 125X
RJK
45 13 27N
014 34 01E
362ft

MSA 25NM from ARP
8000
SCALE 1:500 000
VAR 4° E 2019

BEARINGS,TRACKS AND RADIALS ARE MAGNETIC.
TRACKS IN BRACKETS ARE TRUE.
ALTITUDES AND ELEVATIONS IN FT. DISTANCES IN NM.

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; LDTR17, LDTS17, LDTR18 and LDTS18 areas withdrawn; New LDTR31 and LDTS31 areas added; Parachute activity zones; Notes; Editorial.

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RIJEKA / Krk I. (LDRI)

RNAV RWY 14

ROTAR 1W GIRDA 1X
RUGOG 1Z PUL 1Z

LDRI RNAV STANDARD ARRIVAL RWY 14

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	ROTAR 1W	IF	ROTAR	-	-	4°E	-	-	-	-	-	
020		TF	RI603	-	077° (081.4°T)	4°E	40.3	-	+8000	-250	-	
030		TF	SORDO(1)	-	078° (082.1°T)	4°E	10.0	-	+8000(2)	-210	(1) IAF on ATC authorization only. (2) +7000 by ATC only.	RNAV 1
040		TF	IRDAX	-	093° (096.9°T)	4°E	15.3	-	+8000	-210	IAF	
010	GIRDA 1X	IF	GIRDA	-	-	4°E	-	-	-	-	IAF on ATC authorization only	
020		TF	IRDAX	-	110° (113.8°T)	4°E	18.4	-	+8000	-210	IAF	RNAV 1
010	RUGOG 1Z	IF	RUGOG	-	-	4°E	-	-	-	-	-	
020		TF	IRDAX	-	274° (277.8°T)	4°E	33.3	-	+8000	-210	IAF	RNAV 1
010	PUL 1Z	IF	PUL	-	-	4°E	-	-	-	-	-	
020		TF	RI602	-	016° (020.1°T)	4°E	21.3	-	+8000	-250	-	
030		TF	SORDO(3)	-	016° (020.2°T)	4°E	10.0	-	+8000(4)	-210	(3) IAF on ATC authorization only. (4) +7000 by ATC only.	RNAV 1
040		TF	IRDAX	-	093° (096.9°T)	4°E	15.3	-	+8000	-210	IAF	

IAF on ATC authorization only:
For APPROACH TRANSITION from GIRDA and SORDO see LDRI AD 2.24.12 IAC RNP RWY 14 and LDRI AD 2.24.12 IAC ILS z or LOC z RWY 14

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
IRDAX	HM	289° (293.5°T)	1 MIN / -	R	8000	-	210	4°E	-	RNAV 1

Waypoint coordinates		
Waypoint name	WGS-84 Latitude	WGS-84 Longitude
GIRDA	452832N	0140802E
ROTAR	451546N	0125944E
RUGOG	451641N	0151845E
IRDAX	452103.8N	0143157.0E
SORDO	452255.7N	0141021.7E
PUL	445332.52N	0135505.23E
RI602	451333.0N	0140527.5E
RI603	452133.8N	0135618.7E

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; LDTR17, LDTS17, LDTR18 and LDTS18 areas withdrawn; New LDTR31 and LDTS31 areas added; Parachute activity zones; Notes; Editorial.

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STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

PULA RADAR	127.675
	124.600
RIJEKA TOWER	119.000

GIRDA 1U RUGOG 1Y LOS 1P
CRE 1Y GIRDA 1T

RIJEKA / Krk I. (LDRI)

RNAV RWY 32

RNAV 1
GNSS required

CAUTION ADVISED
Due to strong North-easterly wind (Bura), gusts, wind shear and turbulence can be expected on final approach.

Notes:
1. STARs RNAV RWY 32 not to be used when RADAR service unavailable.
2. After direct clearence to a waypoint, intercept and follow arrival to PEMUD.
3. For APPROACH TRANSITION from BIMSI see LDRI AD 2.24.12 IAC RNP RWY 32.

MSA 25NM from ARP
8000
VAR 4° E 2019

GIRDA
BISTRICA VOR/DME 114.80 CH 95X ILB 45 33 56N 014 10 15E 1961ft
LJ R6A FL 280 10000ft MSL
LJ R4 FL 280 GND
LJ R5 FL 280 GND
LJ D1 7500ft MSL GND
LJ R6C FL 280 GND
LJUBLJANA FIR
ZAGREB FIR
LJUBLJANA ACC
ZAGREB ACC
LDTR211 GROBNIK FL 140 GND
GROBNIK/ Grobničko Polje
Lokvarsko jezero
Bajer jezero
Kupa
Opatija
Rječina
RIJEKA/ Port Rijeka
RIJEKA/ Delta
RIJEKA
Kraljevica
3819
4833
3189
2976
5014
5033
2461
143° (146.7° T) GIRDA 1T 23.5
110° (114.1° T) GIRDA 1U 43.3
LDP1 1000ft MSL GND
LDD22 1000ft MSL GND
RIJEKA/Krk I. ELEV 278
RIJEKA VOR/DME 117.80 CH 125X RJK 45 13 27N 014 34 01E 362ft
LDA65 / TRIBALJ 1000ft AGL GND
RI701 8000
140° (143.6° T) GIRDA 1T 16.3
RI702 8000
GIRDA 1U 7.9 184° (188.3° T)
18.1 216° (220.0° T) RUGOG 1Y
NOT TO SCALE
RUGOG
Sabljaci j.
Cikovnica
N.Vinodolski
Labin
Krk
Punat
RMZ RIJEKA if ATS is not available "G" 1000ft AGL/GND
CTR RIJEKA "D" 4000ft MSL
069° (072.8° T) MAX IAS 210kt 1 MIN 8000
249° (252.8° T)
3035
±4275
3731
GIRDA 1T CRE 1Y LOS 1P 17.4
IAF PEMUD 8000
MAX IAS 210kt
LDTR30 LDTS30 FL 220 GND
SENJ
062° (065.9° T)
CRE 8000
CRE 1Y 078° (081.7° T) 10.7
BIMSI
8000 (6000 by ATC only)
MAX IAS 210kt
IAF on ATC authorization only
LDTR28A FL 120 GND
LDTR28B FL 330 FL 120
CTR PULA "D" 2500ft MSL
TMA PULA C FL 155 10000FT MSL Radar 124.600
TMA PULA D 10000FT MSL 1000FT AGL Radar 124.600
CRES NDB 433 CRE 44 54 10N 014 25 00E
Tranisko j.
LOS 1P 25.4
015° (018.8° T)
TMA PULA C FL 115 10000FT MSL Radar 124.600
TMA PULA D 10000FT MSL 1000FT AGL Radar 124.600
TMA ZADAR C FL 155 FL 115 Radar 128.525
5575
5499
TMA ZADAR C FL 155 10000FT MSL Radar 128.525
TMA ZADAR D 10000FT MSL 1000FT AGL Radar 128.525
CTR LOSINJ "D" 2000ft MSL
OUTSIDE ATS OPR HR: ATZ / RMZ LOSINJ AIRSPACE CLASS "G" 1000ft AGL/GND
LDTR216 LOSINJ FL 140 GND
NOT TO SCALE
LOSINJ NDB 429 LOS 44 31 38N 014 28 22E
LOS 8000

SCALE 1:500 000
5 0 5 10 km
5 0 5 NM

BEARINGS,TRACKS AND RADIALS ARE MAGNETIC.
TRACKS IN BRACKETS ARE TRUE.
ALTITUDES AND ELEVATIONS IN FT. DISTANCES IN NM.

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones; Notes; Editorial.

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RIJEKA / Krk I. (LDRI)

RNAV RWY 32

GIRDA 1U RUGOG 1Y LOS 1P
CRE 1Y GIRDA 1T

LDRI RNAV STANDARD ARRIVAL RWY 32

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	GIRDA 1U	IF	GIRDA	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	RI702	-	110° (114.1°T)	4°E	43.3	-	+8000	-	-	
030		TF	PEMUD	-	184° (188.3°T)	4°E	7.9	-	+8000	-210	IAF	
010	RUGOG 1Y	IF	RUGOG	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	PEMUD	-	216° (220.0°T)	4°E	18.1	-	+8000	-210	IAF	
010	LOS 1P	IF	LOS	-	-	4°E	-	-	+8000	-	-	RNAV 1
020		TF	BIMSI(1)	-	015° (018.8°T)	4°E	25.4	-	+8000(2)	-210	(1) IAF on ATC authorization only. (2) +6000 by ATC only.	
030		TF	PEMUD	-	062° (065.9°T)	4°E	17.4	-	+8000	-210	IAF	
010	CRE 1Y	IF	CRE	-	-	4°E	-	-	+8000	-	-	RNAV 1
020		TF	BIMSI(3)	-	078° (081.7°T)	4°E	10.7	-	+8000(4)	-210	(3) IAF on ATC authorization only. (4) +6000 by ATC only.	
030		TF	PEMUD	-	062° (065.9°T)	4°E	17.4	-	+8000	-210	IAF	
010	GIRDA 1T	IF	GIRDA	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	RI701	-	143° (146.7°T)	4°E	23.5	-	+8000	-	-	
030		TF	BIMSI(5)	-	140° (143.6°T)	4°E	16.3	-	+8000(6)	-210	(5) IAF on ATC authorization only. (6) +6000 by ATC only.	
040		TF	PEMUD	-	062° (065.9°T)	4°E	17.4	-	+8000	-210	IAF	

IAF on ATC authorization only: For APPROACH TRANSITION from BIMSI see LDRI AD 2.24.12 IAC RNP RWY 32

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
PEMUD	HM	249° (252.8°T)	1 MIN / -	R	8000	-	210	4°E	-	RNAV 1

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones; Notes; Editorial.

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Waypoint coordinates		
Waypoint name	WGS-84 Latitude	WGS-84 Longitude
GIRDA	452832N	0140802E
RUGOG	451641N	0151845E
BIMSI	445542.4N	0143954.3E
PEMUD	450247.1N	0150218.3E
CRE	445410.37N	0142459.57E
LOS	443137.55N	0142822.25E
RI701	450851.5N	0142616.2E
RI702	451036.3N	0150354.7E

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Parachute activity zones; Notes; Editorial.

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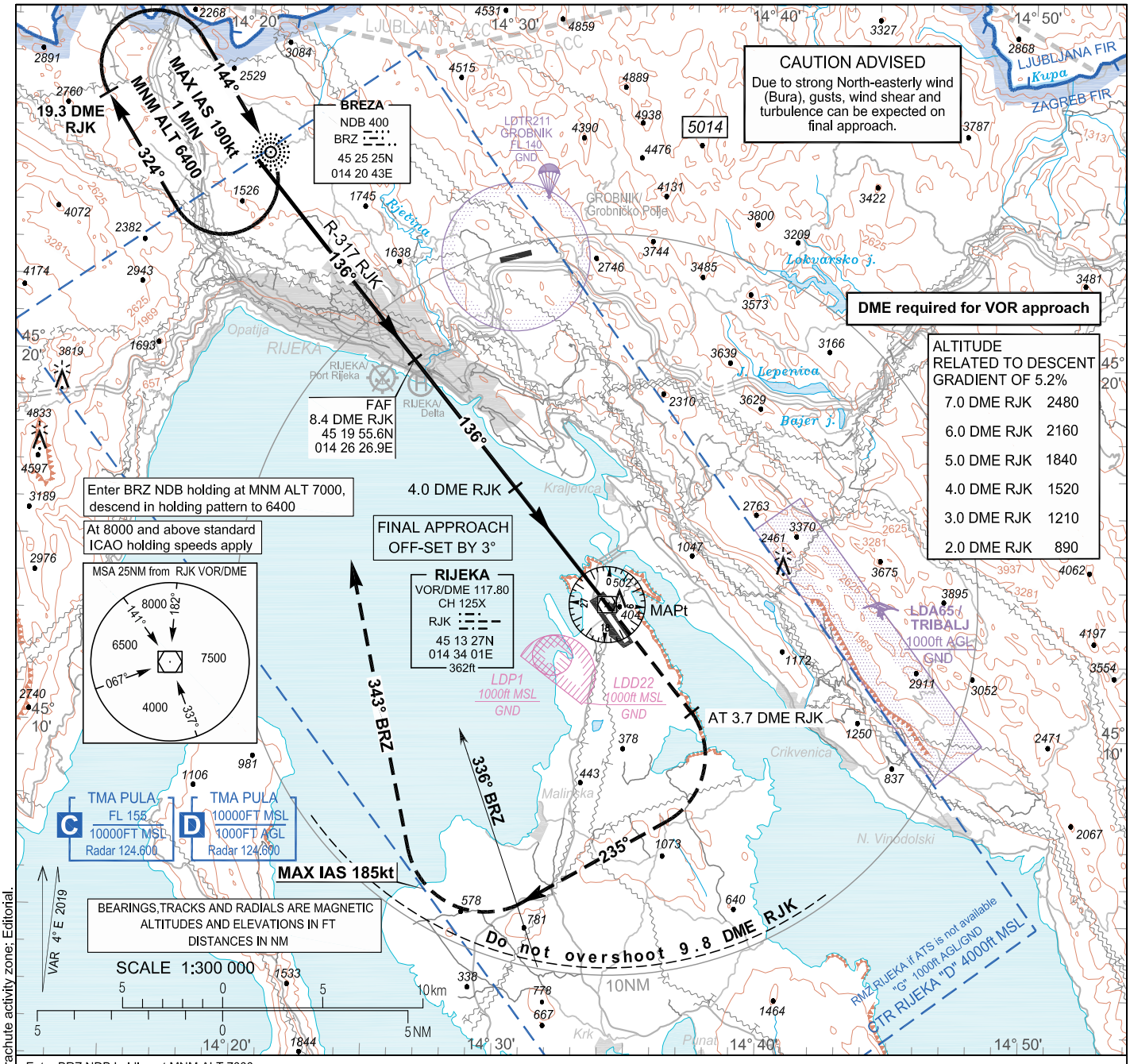
INSTRUMENT APPROACH
CHART - ICAO

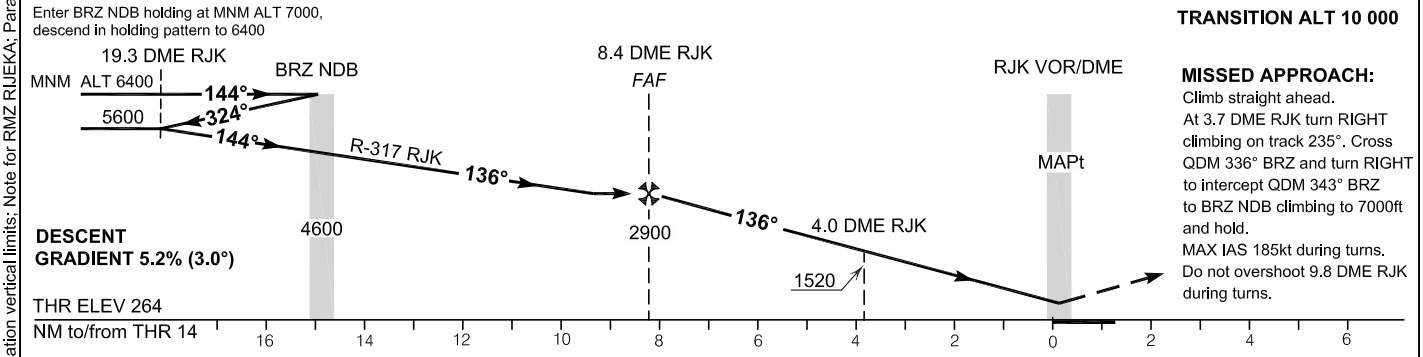
AD ELEV 278
HEIGHTS RELATED
TO THR 14 ELEV 264

PULA RADAR	127.675
	124.600
RIJEKA TOWER	119.000

RIJEKA / Krk I. (LDRI)

VOR RWY 14





TRANSITION ALT 10 000

MISSED APPROACH:
Climb straight ahead.
At 3.7 DME RJK turn RIGHT climbing on track 235°. Cross QDM 336° BRZ and turn RIGHT to intercept QDM 343° BRZ to BRZ NDB climbing to 7000ft and hold.
MAX IAS 185kt during turns.
Do not overshoot 9.8 DME RJK during turns.

OCA (H)	A	B	C	D
Straight-in approach	820 (560)			
Circling	820 (550)	Circling for ACFT CAT A, SW of the aerodrome not allowed. Circling for ACFT CAT B, C and D not allowed.		

FAF to MAPt - 8.4 NM
Timing not authorized for defining the MAPt

GS (kt)	70	100	120	140	160	180
min : sec	7:12	5:02	4:12	3:36	3:09	2:48
Rate of descent (ft / min)	369	527	632	737	843	948

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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RIJEKA / Krk I. (LDRI)

VOR RWY 14

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
VOR RWY 14			
Final approach descent angle: 2.98°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (BRZ NDB)	452525.14N 0142043.44E	-	-
SDF intermediate (BRZ NDB)	452525.14N 0142043.44E	-	-
FAF	451955.6N 0142626.9E	140.44° (RJK VOR)	8.40 DME RJK
SDF	451632.0N 0143025.0E	140.44° (RJK VOR)	4.00 DME RJK
MAPt (RJK VOR/DME)	451326.85N 0143401.06E	-	-

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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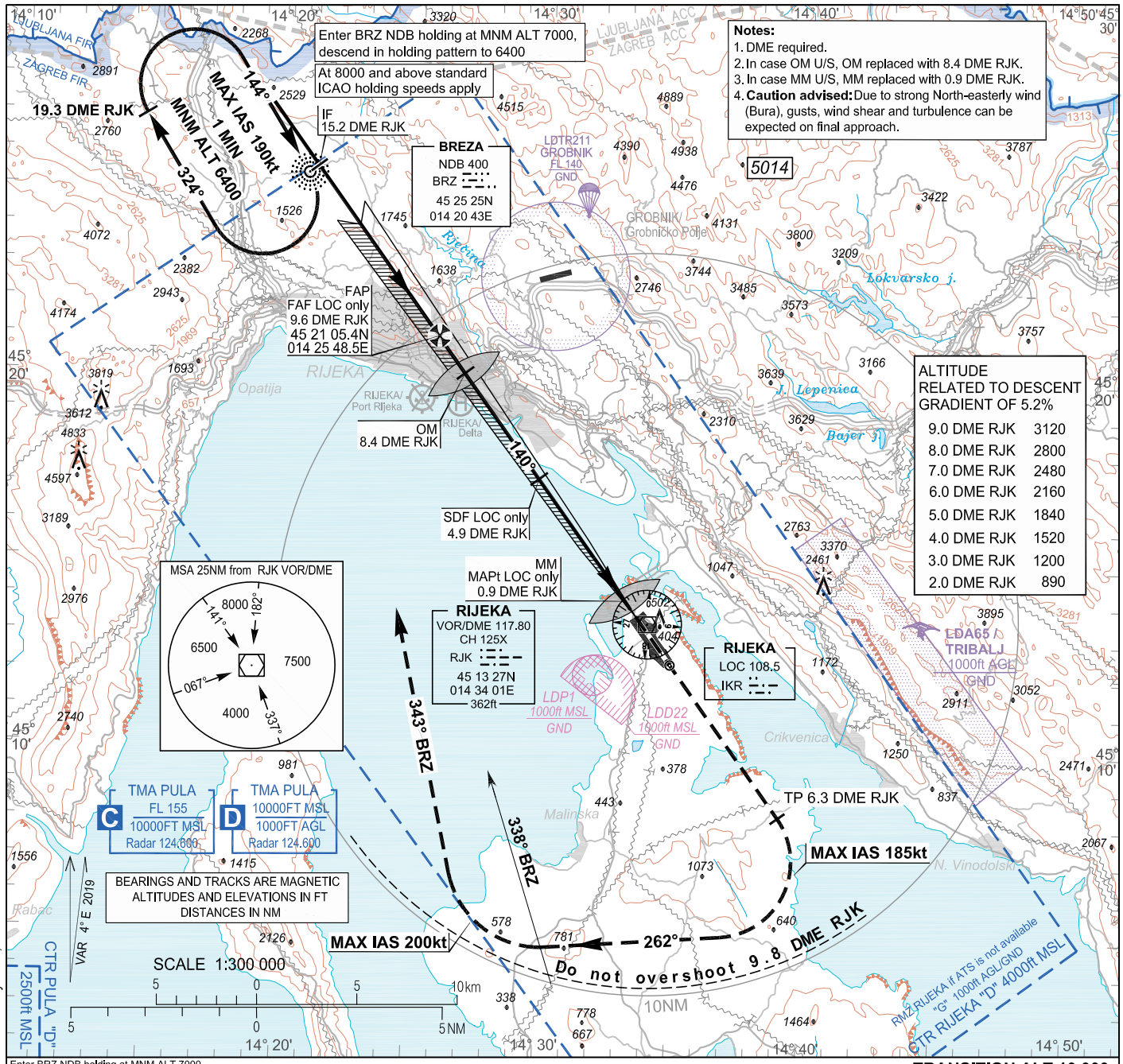
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 278
HEIGHTS RELATED
TO THR 14 ELEV 264

PULA RADAR	127.675
	124.600
RIJEKA TOWER	119.000

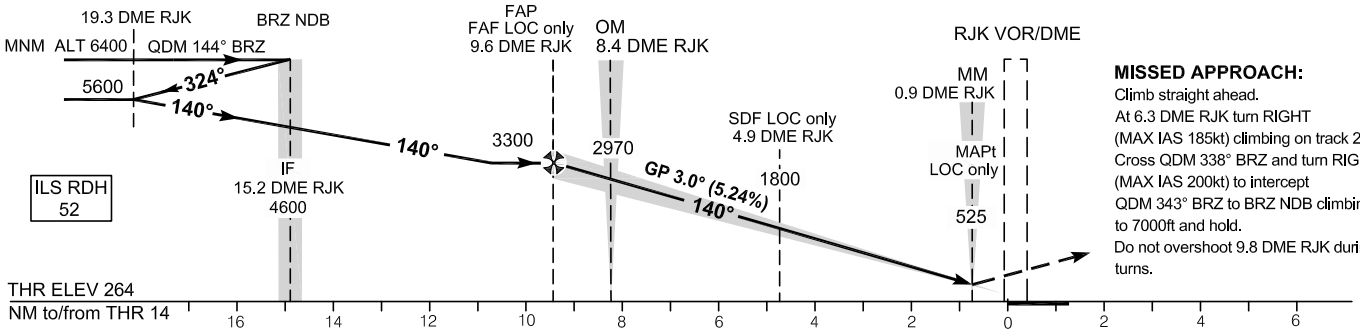
RIJEKA / Krk I. (LDRI)

ILS y or LOC y RWY 14



Enter BRZ NDB holding at MNM ALT 7000, descend in holding pattern to 6400

TRANSITION ALT 10 000



MISSED APPROACH:
Climb straight ahead.
At 6.3 DME RJK turn RIGHT (MAX IAS 185kt) climbing on track 262°.
Cross QDM 338° BRZ and turn RIGHT (MAX IAS 200kt) to intercept QDM 343° BRZ to BRZ NDB climbing to 7000ft and hold.
Do not overshoot 9.8 DME RJK during turns.

OCA(H)		A	B	C	D
Straight-in Approach	ILS CAT I press. altim.	460 (196)	471 (207)	484 (220)	498 (234)
	LOC only	590 (330)			
Circling		800 (530)	Circling for ACFT CAT A, SW of the aerodrome not allowed. Circling for ACFT CAT B, C and D not allowed.		

LOC only: FAF to MAPt distance - 8.7 NM
Timing not authorized for defining the MAPt

GS (kt)	80	100	120	140	160	180
min:sec	6:33	5:14	4:22	3:44	3:16	2:55
Rate of descent (ft / min)	425	531	637	743	850	956

CHANGE: TMA classification vertical limits;Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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RIJEKA / Krk I. (LDRI)

ILS y or LOC y RWY 14

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
ILS y or LOC y RWY 14			
LOC only - final approach descent angle: 3.0°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (BRZ NDB)	452525.14N 0142043.44E	-	-
IF	452536.5N 0142104.4E	143.68° (IKR LOC)	15.21 DME RJK
FAF LOC only	452105.4N 0142548.5E	143.68° (IKR LOC)	9.59 DME RJK
SDF LOC only	451717.9N 0142946.2E	143.68° (IKR LOC)	4.88 DME RJK
MAPt LOC only (MM 14)	451403.80N 0143308.47E	143.68° (IKR LOC)	0.87 DME RJK

CHANGE: TMA classification vertical limits;Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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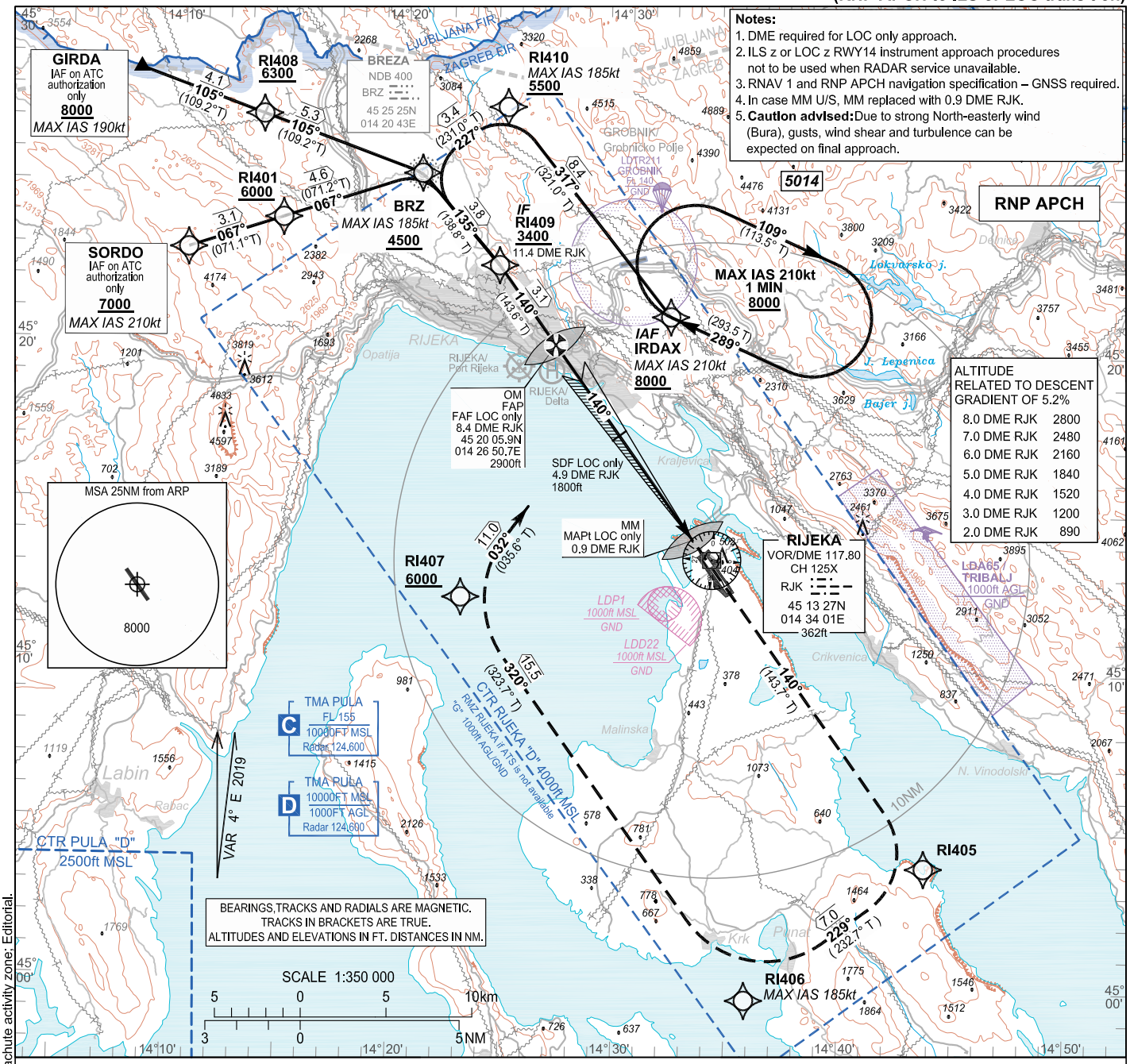
INSTRUMENT APPROACH CHART-ICAO

AD ELEV 278
HEIGHTS RELATED TO THR 14 ELEV 264

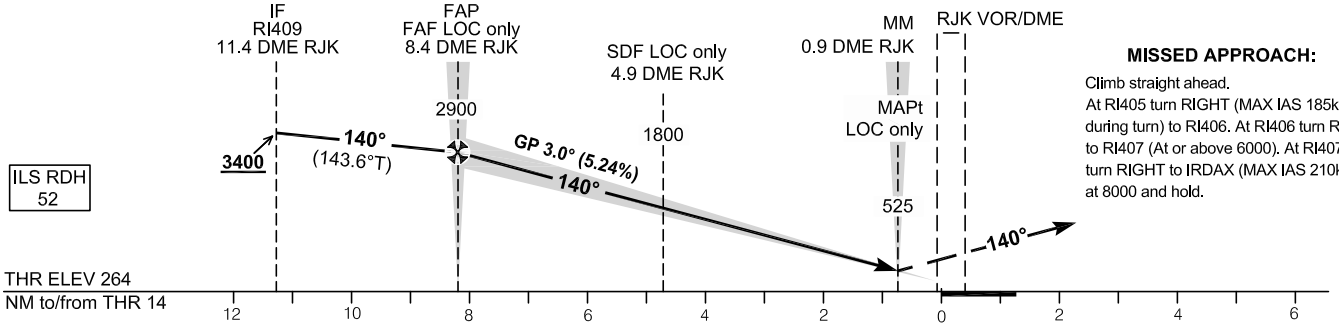
PULA RADAR	127.675
	124.600
RIJEKA TOWER	119.000

RIJEKA / Krk I. (LDRI)

ILS z or LOC z RWY 14
(RNP APCH to ILS or LOC transition)



TRANSITION ALT 10 000



MISSED APPROACH:
Climb straight ahead.
At RI405 turn RIGHT (MAX IAS 185kt during turn) to RI406. At RI406 turn RIGHT to RI407 (At or above 6000). At RI407 turn RIGHT to IRDAX (MAX IAS 210kt) at 8000 and hold.

OCA(H)		A	B	C	D
Straight-in Approach	ILS CAT I press. altim.	460 (196)	471 (207)	484 (220)	498 (234)
	LOC only	590 (330)			
Circling		800 (530)	Circling for ACFT CAT A, SW of the aerodrome not allowed. Circling for ACFT CAT B, C and D not allowed.		

LOC only: FAF to MAPt distance - 7.5 NM
Timing not authorized for defining the MAPt

GS (kt)	80	100	120	140	160	180
min:sec	5:37	4:30	3:45	3:13	2:49	2:30
Rate of descent (ft / min)	425	531	637	743	850	956

CHANGE: TMA classification vertical limits;Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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RIJEKA / Krk I. (LDRI)

ILS z or LOC z RWY 14
(RNP APCH to ILS or LOC transition)

ILS z or LOC z RWY14

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	SORDO	-	-	4°E	-	-	+7000	-210	-	IAF on ATC autorization only	RNP APCH
020	-	TF	RI401	-	067° (071.1° T)	4°E	3.1	-	+6000	-	-	-	
030	-	TF	BRZ	-	067° (071.2° T)	4°E	4.6	-	+4500	-185	-	-	
040	IF	TF	RI409	-	135° (138.8° T)	4°E	3.8	-	+3400	-	-	-	
010	IAF	IF	GIRDA	-	-	4°E	-	-	+8000	-190	-	IAF on ATC autorization only	RNP APCH
020	-	TF	RI408	-	105° (109.2° T)	4°E	4.1	-	+6300	-	-	-	
030	-	TF	BRZ	-	105° (109.2° T)	4°E	5.3	-	+4500	-185	-	-	
040	IF	TF	RI409	-	135° (138.8° T)	4°E	3.8	-	+3400	-	-		
010	IAF	IF	IRDAX	-	-	4°E	-	-	+8000	-210	-	-	RNP APCH
020	-	TF	RI410	-	317° (321.0° T)	4°E	8.4	-	+5500	-185	-	-	
030	-	TF	BRZ	-	227° (231.0 T)	4°E	3.4	L	+4500	-	-	-	
040	IF	TF	RI409	-	135° (138.8° T)	4°E	3.8	L	+3400	-	-	-	

AERONAUTICAL DATABASE REQUIREMENTS

Conventional procedure essential fixes/points

ILS z or LOC z RWY 14

LOC only - final approach descent angle: 2.99°

Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IF (RI409)	45 22 34.4N 014 24 15.3E	-	-
FAF LOC only	45 20 05.9N 014 26 50.7E	143.68° (IKR LOC)	8.36 DME RJK
SDF LOC only	45 17 17.9N 014 29 46.2E	143.68° (IKR LOC)	4.88 DME RJK
MAPt LOC only (MM 14)	45 14 03.80N 014 33 08.47E	143.68° (IKR LOC)	0.87 DME RJK

ILS z or LOC z RWY14

Proposed tabular description for navigation database coding - FINAL TRANSITION (MISSED APPROACH)

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	-	IF	RI405	-	140° (143.7° T)	4°E	-	-	-	-	-	-	RNP APCH
020	-	TF	RI406	-	229° (232.7° T)	4°E	7.0	R	-	-185	-		
030	-	TF	RI407	-	320° (323.7° T)	4°E	15.5	R	+6000	-	-	-	
040	MAHF	TF	IRDAX	-	032° (035.6° T)	4°E	11.0	-	8000	-210	-	-	
050	MAHF	HM	IRDAX	-	289° (293.5° T)	4°E	1MIN	R	8000	-210	-	Holding above 8000ft on ATC clearance only	RNAV 1

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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RNAV HOLDING tabular description

Waypoint name	Path Term-inator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude FT	Maximum altitude FT	Speed limit MAX IAS (kt)	Magnetic Variation	Remarks	NAV SPEC
IRDAX	HM	289° (293.5° T)	1MIN / -	R	8000	-	210	4°E	-	RNAV 1

Waypoint Coordinates		
Waypoint Name	WGS-84 Latitude	WGS-84 Longitude
GIRDA	452832N	0140802E
IRDAX	452103.8N	0143157.0E
SORDO	452255.7N	0141021.7E
BRZ	452525.14N	0142043.44E
RI401	452356.5N	0141434.0E
RI405	450351.7N	0144342.9E
RI406	445937.0N	0143552.0E
RI407	451207.2N	0142251.9E
RI408	452710.5N	0141335.3E
RI409	452234.4N	0142415.3E
RI410	452733.4N	0142428.0E

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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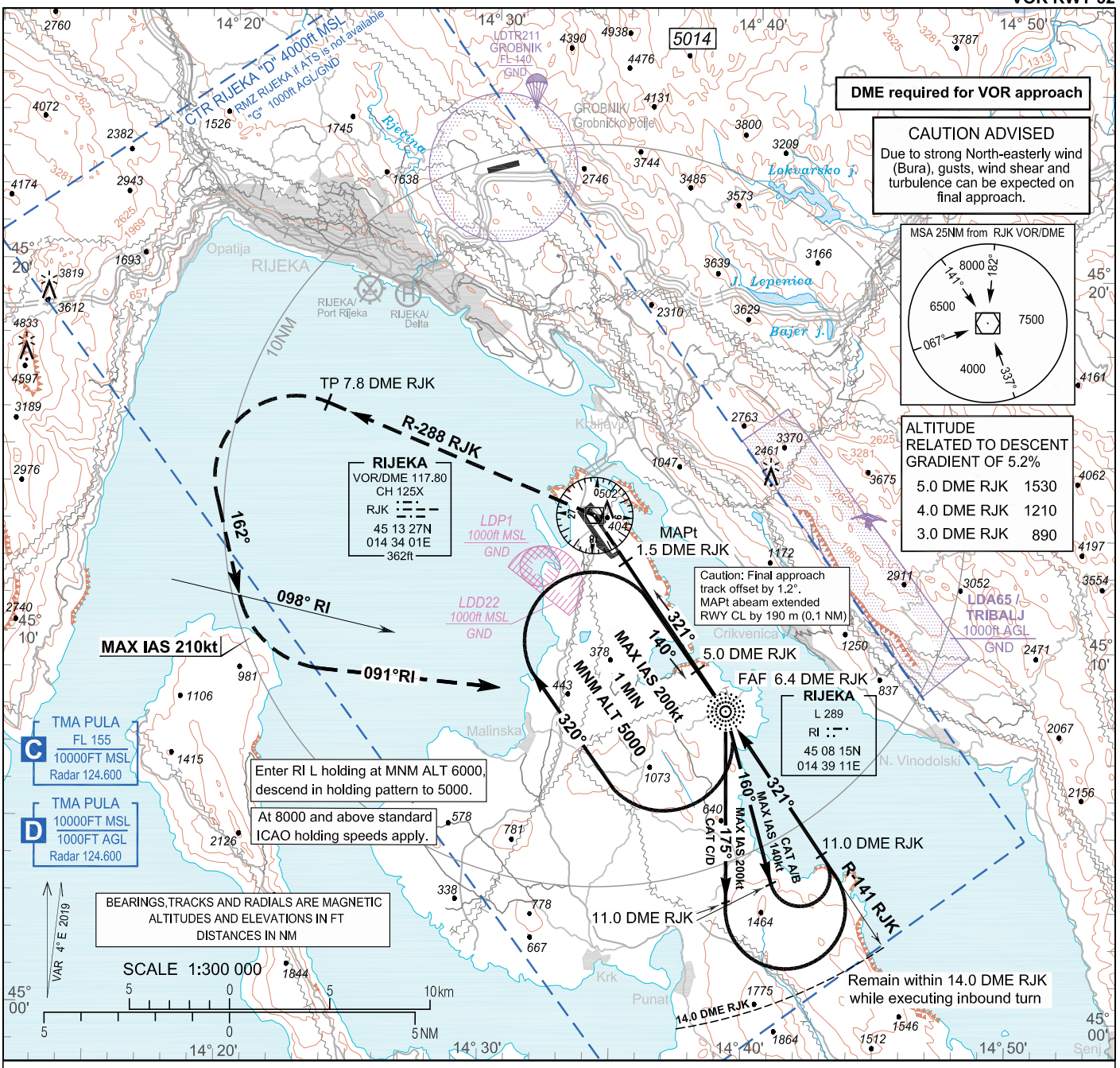
INSTRUMENT APPROACH CHART-ICAO

AD ELEV 278
HEIGHTS RELATED TO THR 32 ELEV 246

PULA RADAR	127.675
	124.600
RIJEKA TOWER	119.000

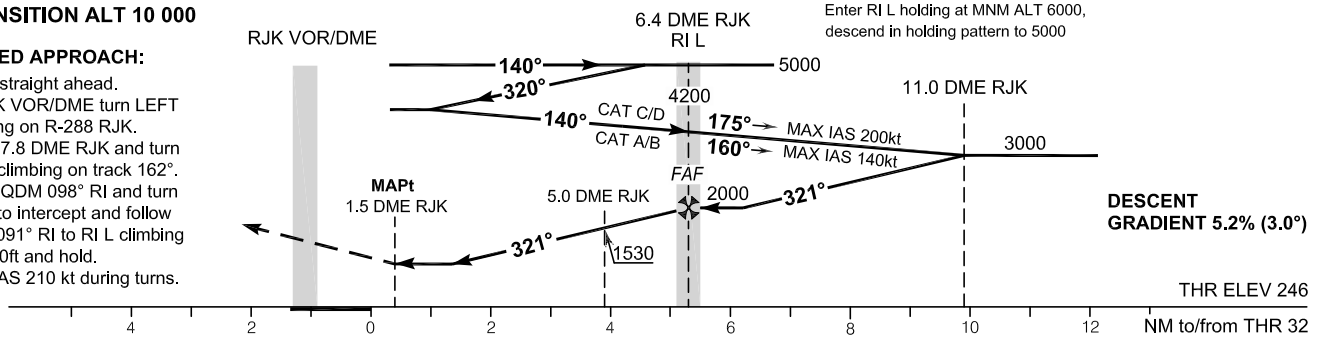
RIJEKA / Krk I. (LDRI)

VOR RWY 32



TRANSITION ALT 10 000

MISSED APPROACH:
Climb straight ahead.
At RJK VOR/DME turn LEFT climbing on R-288 RJK.
Cross 7.8 DME RJK and turn LEFT climbing on track 162°.
Cross QDM 098° RI and turn LEFT to intercept and follow QDM 091° RI to RI L climbing to 6000ft and hold.
MAX IAS 210 kt during turns.



OCA (H)	A	B	C	D
Straight-in approach	820 (580)			
Circling	820 (550)	Circling for ACFT CAT A, SW of the aerodrome not allowed. Circling for ACFT CAT B, C and D not allowed.		

FAF to MAPt - 4.9 NM
TIMING NOT AUTHORIZED FOR DEFINING THE MAPt

GS (kt)	70	100	120	140	160	180
min : sec	4:12	2:56	2:27	2:06	1:50	1:38
Rate of descent (ft / min)	369	527	632	737	843	948

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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RIJEKA / Krk I. (LDRI)

VOR RWY 32

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
VOR RWY 32			
Final approach descent angle: (1) 3.00°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (RI L)	450815.04N 0143910.56E	-	-
SDF intermediate	450426.6N 0144256.6E	325.01° (RJK VOR)	11.00 DME RJK
FAF (RI L)	450815.04N 0143910.56E	325.01° (RJK VOR)	6.35 DME RJK
SDF	450921.4N 0143804.8E	325.01° (RJK VOR)	5.00 DME RJK
MAPt	451213.2N 0143514.3E	325.01° (RJK VOR)	1.50 DME RJK

(1) Descent point inside RI L cone (from RI L coordinate descent angle should read 3.08°).

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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INSTRUMENT APPROACH CHART-ICAO

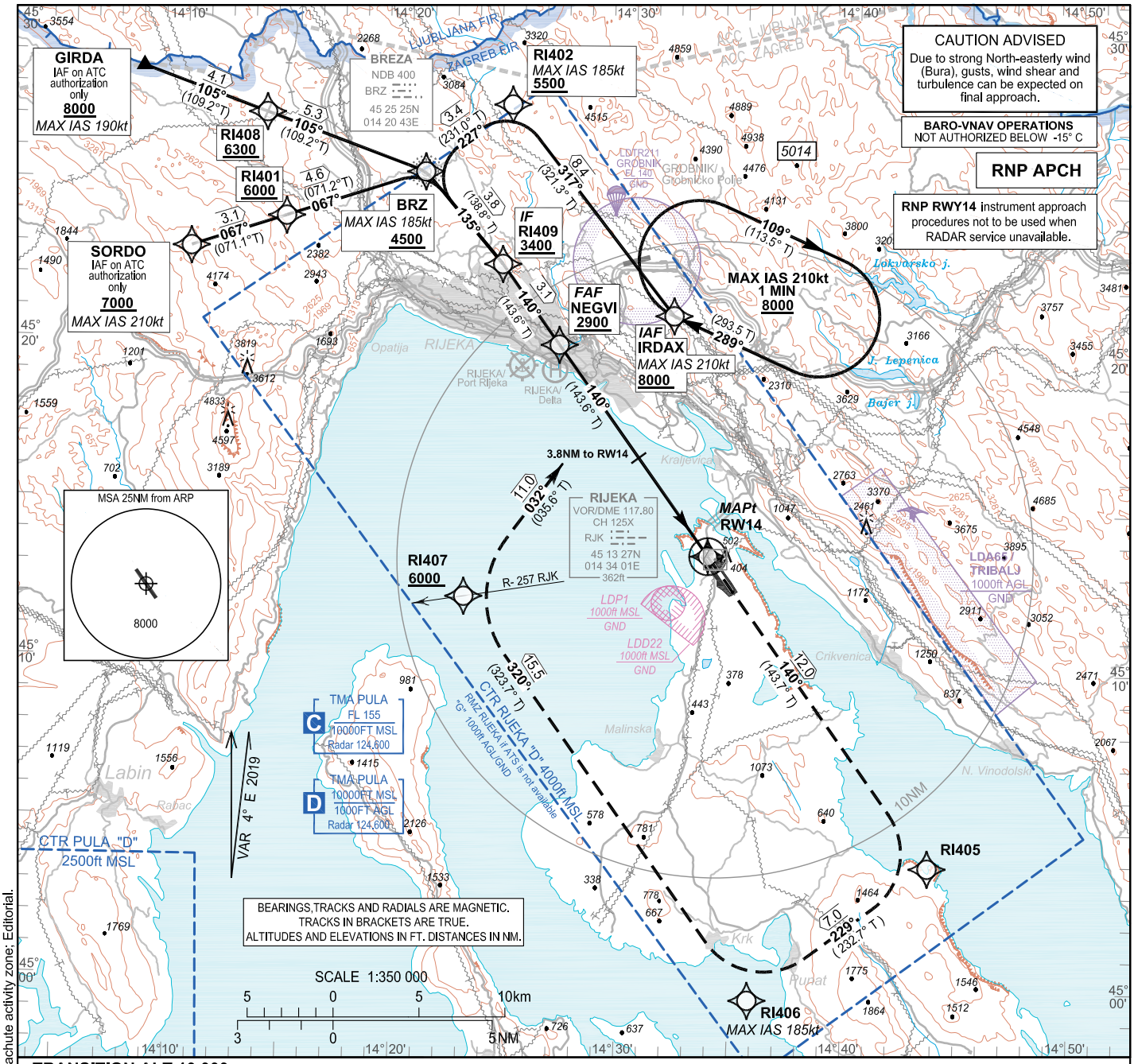
AD ELEV 278
HEIGHTS RELATED TO THR 14 ELEV 264

SBAS CH: 42220 E14A

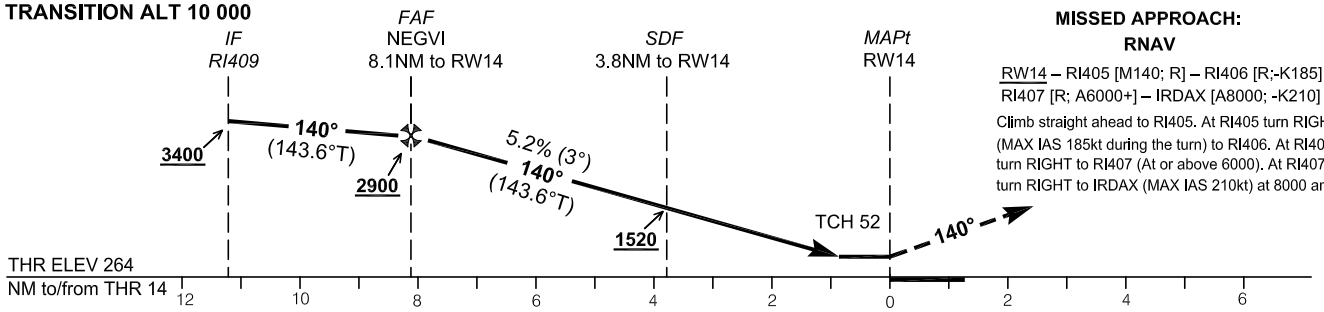
PULA RADAR	127.675
	124.600
RIJEKA TOWER	119.000

RIJEKA / Krk I. (LDRI)

RNP RWY 14



TRANSITION ALT 10 000



MISSED APPROACH:
RNAV

RW14 – RI405 [M140; R] – RI406 [R;-K185] – RI407 [R; A6000+] – IRDAX [A8000; -K210]

Climb straight ahead to RI405. At RI405 turn RIGHT (MAX IAS 185kt during the turn) to RI406. At RI406 turn RIGHT to RI407 (At or above 6000). At RI407 turn RIGHT to IRDAX (MAX IAS 210kt) at 8000 and hold.

OCA(H)		A	B	C	D
Straight-in approach	LNAV	730 (466)			
	LNAV/VNAV	640 (376)	650 (386)	660 (396)	670 (406)
	LPV	640 (376)	650 (386)	660 (396)	670 (406)
Circling		820 (550)	Circling for ACFT CAT A, SW of the aerodrome not allowed. Circling for ACFT CAT B, C and D not allowed.		

Altitude related to descent gradient of 5.2%								
DIST THR / RW14	NM	7	6	5	4	3	2	1
Altitude	ft	2540	2220	1910	1590	1270	950	630

NEGVI TO RW14 DISTANCE 8.12NM						
GS (kt)	80	100	120	140	160	180
min:sec	6:05	4:52	4:04	3:29	3:03	2:42
Rate of descent (5.2%) (ft/min)	425	531	637	743	849	955
MAPt at RW14	TIMING NOT AUTHORIZED FOR DEFINING THE MAPt					

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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RIJEKA / Krk I. (LDRI)

RNP RWY 14

Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDRI
Runway	14
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E14A
LTP/FTP Latitude	451332.3610N
LTP/FTP Longitude	0143341.1580E
LTP/FTP Ellipsoidal Height (metres)	124.9
FPAP Latitude	451227.4075N
Delta FPAP Latitude (seconds)	-64.9535
FPAP Longitude	0143448.7030E
Delta FPAP Longitude (seconds)	67.5450
Threshold Crossing Height	52.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 09 12 04 0C 0E 00 00 01 34 31 05 92 A3 68 13 4C C4 3F 06 E1 18 8D 04 FE B2 0F 02 08 02 2C 01 64 00 C8 FA 1E 38 B9 AC
Calculated CRC Value	1E38B9AC

Required Additional Data

ICAO Code	LD
LTP/FTP Orthometric Height (metres)	80.6

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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LDRI RNP RWY 14

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	SORDO	-	-	4°E	-	-	+7000	-210	-	IAF on ATC autorization only	RNP APCH
020	-	TF	RI401	-	067° (071.1° T)	4°E	3.1	-	+6000	-	-	-	
030	-	TF	BRZ	-	067° (071.2° T)	4°E	4.6	-	+4500	-185	-	-	
040	IF	TF	RI409	-	135° (138.8° T)	4°E	3.8	-	+3400	-	-	-	
010	IAF	IF	GIRDA	-	-	4°E	-	-	+8000	-190	-	IAF on ATC autorization only	RNP APCH
020	-	TF	RI408	-	105° (109.2° T)	4°E	4.1	-	+6300	-	-	-	
030	-	TF	BRZ	-	105° (109.2° T)	4°E	5.3	-	+4500	-185	-	-	
040	IF	TF	RI409	-	135° (138.8° T)	4°E	3.8	-	+3400	-	-	-	
010	IAF	IF	IRDAX	-	-	4°E	-	-	+8000	-210	-	-	RNP APCH
020	-	TF	RI402	-	317° (321.3° T)	4°E	8.4	-	+5500	-185	-	-	
030	-	TF	BRZ	-	227° (231.0 T)	4°E	3.4	L	+4500	-	-	-	
040	IF	TF	RI409	-	135° (138.8° T)	4°E	3.8	-	+3400	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	RI409	-	-	4°E	-	-	+3400	-	-	-	RNP APCH
020	FAF	TF	NEGVI	-	140° (143.6° T)	4°E	3.1	-	+2900	-	-	-	
030	MAPt	TF	RW14	Y	140° (143.6° T)	4°E	8.1	-	-	-	3.0 / 52.0	-	
040	-	CF	RI405	-	140° (143.7° T)	4°E	12.0	-	-	-	-	-	
050	-	TF	RI406	-	229° (232.7° T)	4°E	7.0	R	-	-185	-	-	
060	-	TF	RI407	-	320° (323.7° T)	4°E	15.5	R	+6000	-	-	-	
070	MAHF	TF	IRDAX	-	032° (035.6° T)	4°E	11.0	-	8000	-210	-	-	
080	MAHF	HM	IRDAX	-	289° (293.5° T)	4°E	1MIN	R	8000	-210	-	Holding above 8000ft on ATC clearance only	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path Termi-nator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude ft	Maximum altitude ft	Speed limit MAX IAS (kt)	Magnetic Variation	Remarks	NAV SPEC
IRDAX	HM	289° (293.5° T)	1MIN / -	R	8000	-	210	4°E	-	RNAV 1

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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RNP RWY 14

Waypoint Coordinates		
Waypoint Name	WGS-84 Latitude	WGS-84 Longitude
GIRDA	452832N	0140802E
IRDAX	452103.8N	0143157.0E
NEGVI	452004.7N	0142652.0E
SORDO	452255.7N	0141021.7E
BRZ	452525.14N	0142043.44E
RW14	451332.36N	0143341.16E
RI401	452356.5N	0141434.0E
RI402	452735.4N	0142431.6E
RI405	450351.7N	0144342.9E
RI406	445937.0N	0143552.0E
RI407	451207.2N	0142251.9E
RI408	452710.5N	0141335.3E
RI409	452234.4N	0142415.3E

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Parachute activity zone; Editorial.

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INSTRUMENT APPROACH
CHART-ICAO

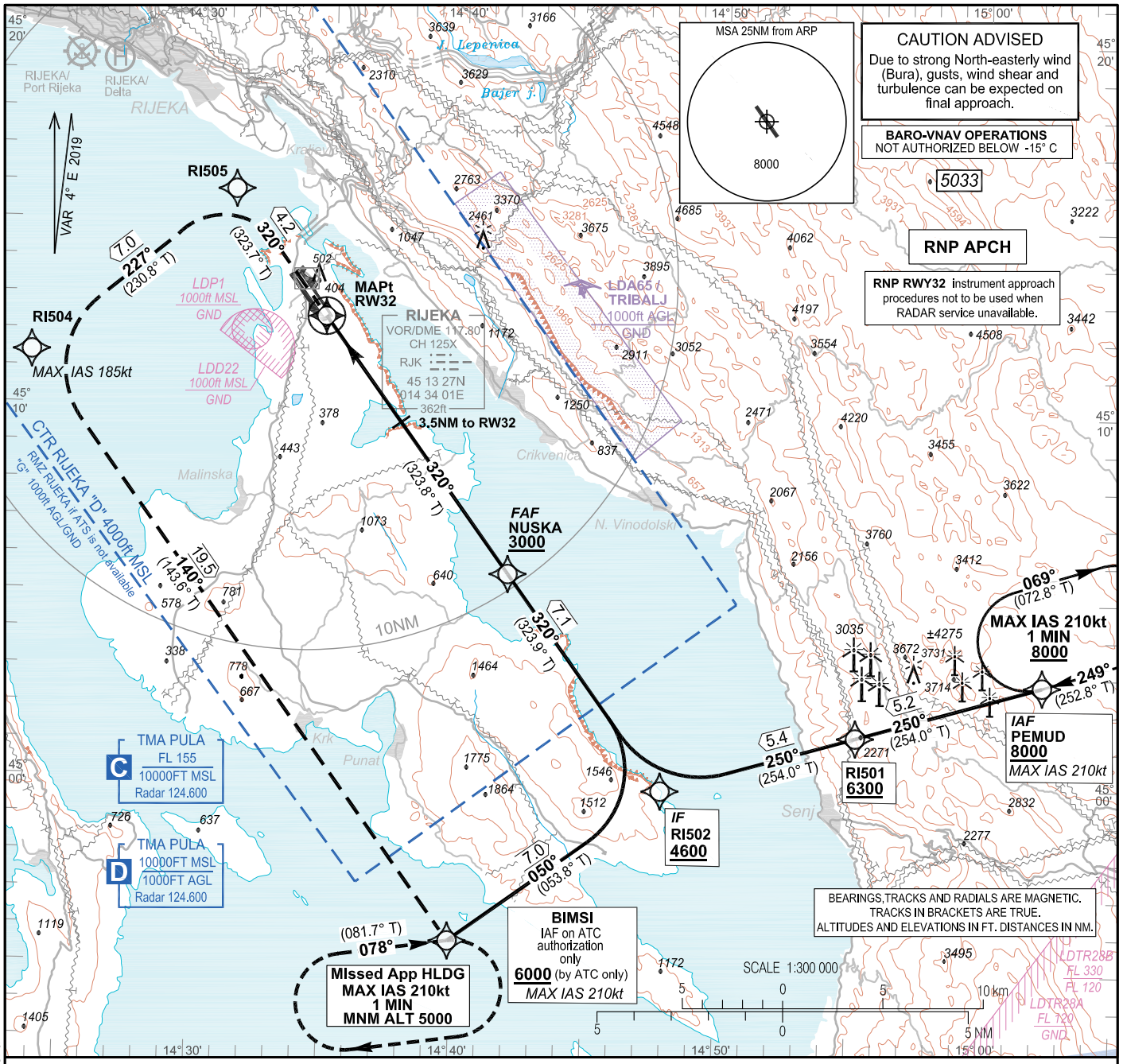
AD ELEV 278
HEIGHTS RELATED
TO THR 32 ELEV 246

SBAS
CH: 44289
E32A

PULA RADAR	127.675
	124.600
RIJEKA TOWER	119.000

RIJEKA / Krk I. (LDRI)

RNP RWY 32

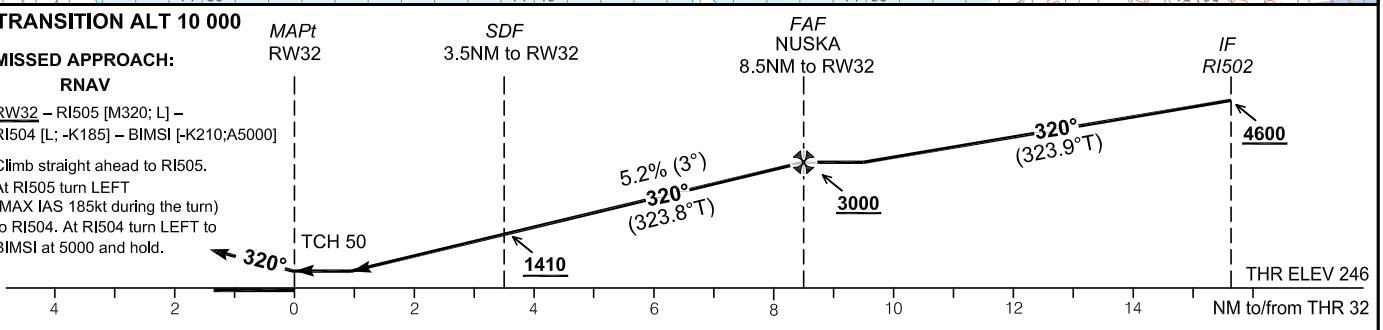


TRANSITION ALT 10 000

MISSED APPROACH:
RNAV

RW32 – RI505 [M320; L] – RI504 [L; -K185] – BIMSI [-K210;A5000]

Climb straight ahead to RI505.
At RI505 turn LEFT
(MAX IAS 185kt during the turn)
to RI504. At RI504 turn LEFT to
BIMSI at 5000 and hold.



OCA(H)		A	B	C	D
Straight-in approach	LNAV	680 (434)			
	LNAV/VNAV	640 (394)	650 (404)	660 (414)	670 (424)
	LPV	640 (394)	650 (404)	660 (414)	670 (424)
Circling		820 (550)	Circling for ACFT CAT A, SW of the aerodrome not allowed. Circling for ACFT CAT B, C and D not allowed.		

Altitude related to descent gradient of 5.2%									
DIST THR / RW14	NM	8	7	6	5	4	3	2	1
Altitude	ft	2840	2520	2210	1890	1570	1250	930	610

NUSKA TO RW32 DISTANCE 8.49NM						
GS (kt)	80	100	120	140	160	180
min:sec	6:22	5:06	4:15	3:38	3:11	2:50
Rate of descent (5.2%) (ft/min)	425	531	637	743	849	955
MAPt at RW32	TIMING NOT AUTHORIZED FOR DEFINING THE MAPt					

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Editorial.

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RIJEKA / Krk I. (LDRI)

RNP RWY 32

Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDRI
Runway	32
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E32A
LTP/FTP Latitude	451227.4075N
LTP/FTP Longitude	0143448.7030E
LTP/FTP Ellipsoidal Height (metres)	119.1
FPAP Latitude	451332.3610N
Delta FPAP Latitude (seconds)	64.9535
FPAP Longitude	0143341.1580E
Delta FPAP Longitude (seconds)	-67.5450
Threshold Crossing Height	50.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 09 12 04 0C 20 00 00 01 32 33 05 1F A8 66 13 FE D3 41 06 A7 18 73 FB 01 4E F0 FD F4 01 2C 01 64 00 C8 FA 17 74 39 4A
Calculated CRC Value	1774394A

Required Additional Data

ICAO Code	LD
LTP/FTP Orthometric Height (metres)	75.0

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Editorial.

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LDRI RNP RWY 32

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	PEMUD	-	-	4°E	-	-	+8000	-210	-	-	RNP APCH
020	-	TF	RI501	-	250° (254.0° T)	4°E	5.2	-	+6300	-	-	-	
030	IF	TF	RI502	-	250° (254.0° T)	4°E	5.4	-	+4600	-	-	-	
010	IAF	IF	BIMSI	-	-	4°E	-	-	+5000	-210	-	IAF on ATC autorization only	RNP APCH
020	IF	TF	RI502	-	050° (053.8°T)	4°E	7.0	-	+4600	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	RI502	-	-	4°E	-	-	+4600	-	-	-	RNP APCH
020	FAF	TF	NUSKA	-	320° (323.9° T)	4°E	7.1	-	+3000	-	-	-	
030	MAPt	TF	RW32	Y	320° (323.8° T)	4°E	8.5	-	-	-	3.0 / 50.0	-	
040	-	CF	RI505	-	320° (323.7° T)	4°E	4.2	-	-	-	-	-	
050	-	TF	RI504	-	227° (230.8° T)	4°E	7.0	L	-	-185	-	-	
060	MAHF	TF	BIMSI	-	140° (143.6° T)	4°E	19.5	L	5000	-210	-	-	
070	MAHF	HM	BIMSI	-	078° (081.7° T)	4°E	1MIN	R	5000	-210	-	Holding above 5000ft on ATC clearance only	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path Term-inator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude ft	Maximum altitude ft	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
PEMUD	HM	249° (252.8° T)	1MIN / -	R	8000	-	210	4°E	-	RNAV 1
BIMSI	HM	078° (081.7° T)	1MIN / -	R	5000	-	210	4°E	-	RNAV 1

Waypoint Coordinates

Waypoint Name	WGS-84 Latitude	WGS-84 Longitude
BIMSI	445542.4N	0143954.3E
NUSKA	450536.6N	0144154.7E
PEMUD	450247.1N	0150218.3E
RW32	451227.41N	0143448.70E
RI501	450120.9N	0145514.1E
RI502	445950.4N	0144751.7E
RI504	451124.1N	0142337.0E
RI505	451550.4N	0143117.4E

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA; Editorial.

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VISUAL OPERATION CHART

ARP	AD ELEV 278				
45°13'01"N 014°34'13"E		PULA RADAR	127.675 124.600	RIJEKA TOWER RIJEKA RADIO	119.000 119.000

RIJEKA / Krk I. (LDRI)



Reporting Point	Definition
K1	Town Krk
L1	Town Lovran
M1	Town Malinska
N4	Town Fužine
P1	Near village Šmrika

Two-way radio communication required.
Contact Tower normally at reporting points or any other point but not later than 5min prior to entering CTR/RMZ.

ALTITUDES AND ELEVATIONS IN FT

VAR 4° E 2019

SCALE 1:200 000

2 0 5 km
1 0 3 NM

LEGEND

- Holding fix with WGS-84 coordinates — M1, 45 07 31N, 014 31 42E
- Significant VFR point — L1
- Recommended VFR route — ADRIA1
- Mandatory (arrival - departure) VFR route

ATTENTION:
For latest information consult relevant publications, and NOTAMs!
Prominent transmission lines data not complete!
No guarantee for the completeness and accuracy of obstacles!

ELEVATION TINTS

(m)	ft
(1200)	3937
(800)	2625
(400)	1313
(0)	0

CHANGE: TMA classification vertical limits; Note for RMZ RIJEKA and ATZ GROBNIK; Parachute activity zone; Editorial.

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

BRAC / Brac I. (LDSB)

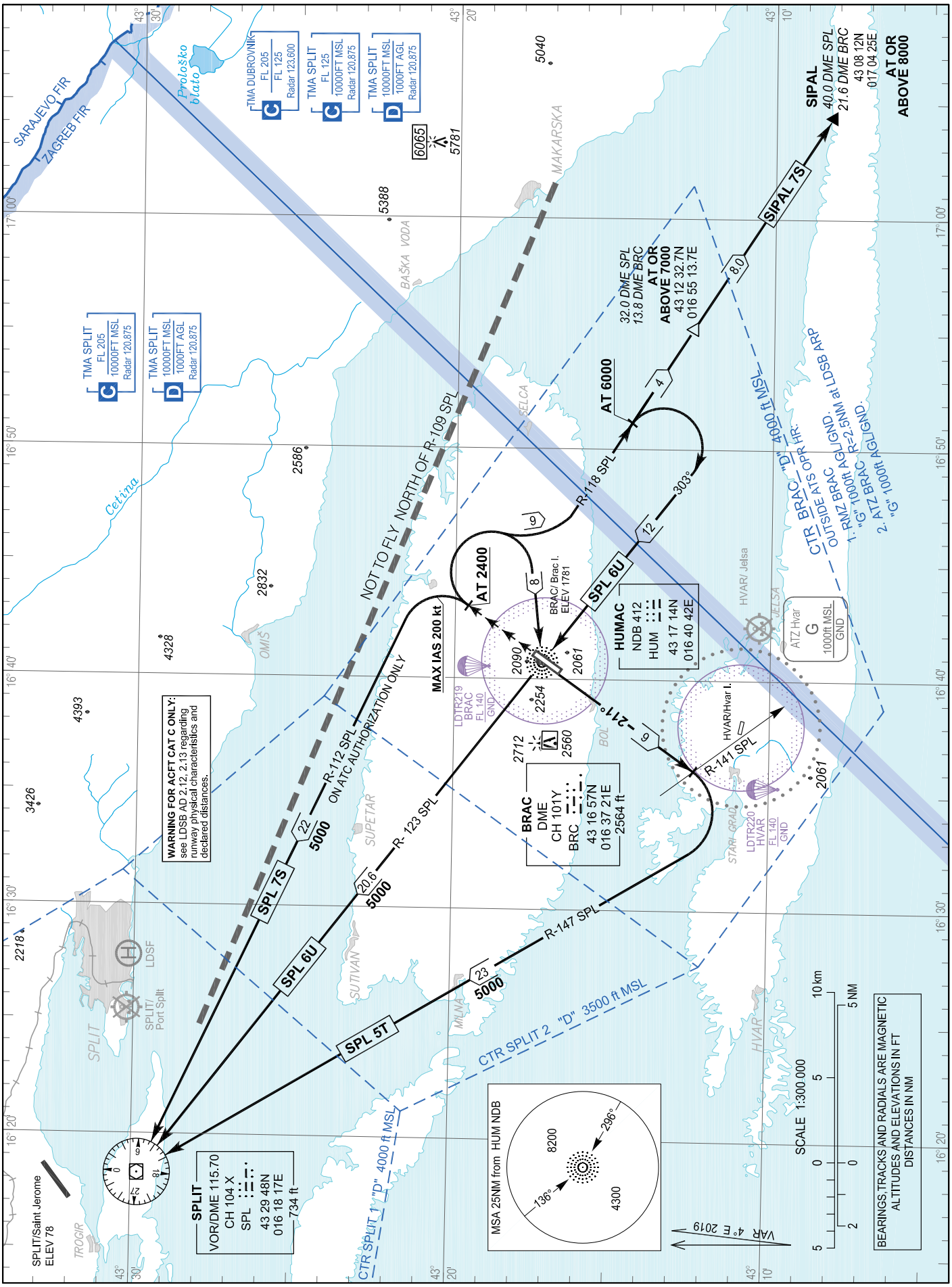
TRANSITION ALTITUDE
10 000

BRAC TOWER 118.025
SPLIT RADAR 120.875

SPL 7S
SPL 6U

SPL 5T
SIPAL 7S

ACFT CAT A / B & C RWY 03



CHANGE: TMAs classification vertical limits; Parachute activity zones added; Editorial.

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

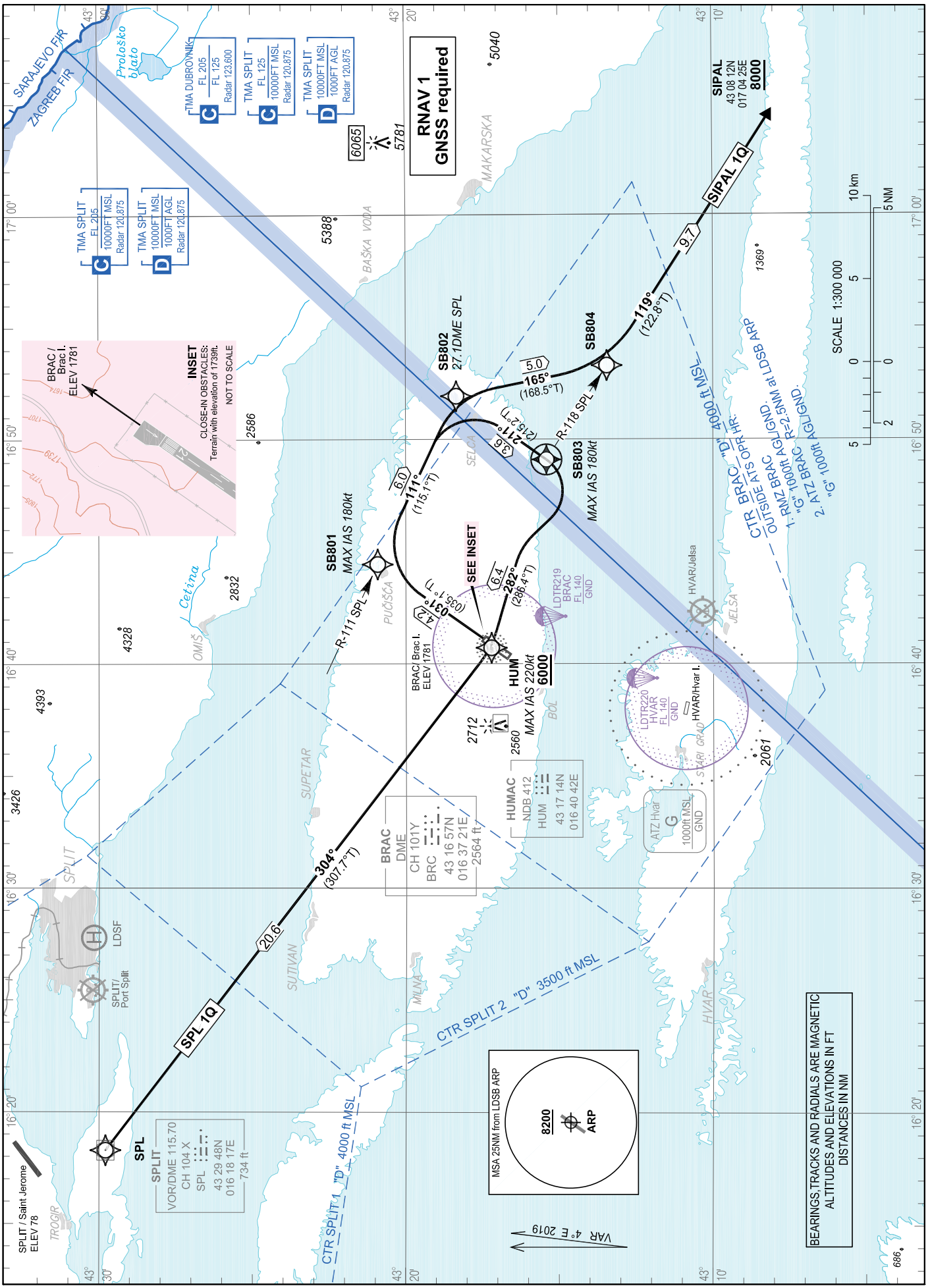
TRANSITION ALTITUDE
10 000

BRAC TOWER 118.025
SPLIT RADAR 120.875

SPL 1Q SIPAL 1Q

BRAC / Brac I. (LDSB)

RNAV RWY 03



CHANGE: TMAs classification vertical limits; Parachute activity zones added; Editorial.

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RNAV RWY 03 SPL 1Q SIPAL 1Q

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 FT/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary this is indicated in the tabular description of the route.

CAUTION regarding close-in obstacle: terrain with elevation of 530m (1739ft) on lateral distance of approximately 150m (0.08NM)NorhtWest and abeam of the departure end of the RWY03 (See inset on the SID RNAV RWY03 chart).

WARNING

Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID SPL 1Q only:

Climb straight ahead to intercept and follow R-111 SPL. At 27.1 DME SPL turn RIGHT climbing on track 211°. When on track 211° and at or above 4300 FT AMSL proceed via RNAV SID SPL 1Q or according to ATC instruction. MNM PDG 3.8% (231 FT/NM).

LDSB RNAV STANDARD INSTRUMENT DEPARTURE RWY 03

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SPL 1Q	CF	SB801	-	031° (035.1°T)	4°E	4.2	-	-		MNM PDG 3.8% (231 FT/NM) to 6000 FT AMSL	RNAV 1
020		TF	SB802	-	111° (115.1°T)	4°E	6.0	-	-	-		
030		TF	SB803	Y	211° (215.2°T)	4°E	3.6	R	-	-180		
040		TF	HUM		282° (286.4°T)	4°E	6.4	-	+6000	-220		
050		TF	SPL	-	304° (307.7°T)	4°E	20.6	-	-	-		

WARNING

Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID SIPAL 1Q only:

Climb straight ahead to intercept and follow R-111 SPL. At 27.1 DME SPL turn RIGHT climbing on track 165°. When on track 165° and at or above 4300 FT AMSL proceed via RNAV SID SIPAL 1Q or according to ATC instruction. MNM PDG 3.8% (231 FT/NM).

LDSB RNAV STANDARD INSTRUMENT DEPARTURE RWY 03

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SIPAL 1Q	CF	SB801	-	031° (035.1°T)	4°E	4.2	-	-	-180	MNM PDG 3.8% (231 FT/NM) to 6000 FT AMSL	RNAV 1
020		TF	SB802	-	111° (115.1°T)	4°E	6.0	-	-	-		
030		TF	SB804	-	165° (168.5°T)	4°E	5.0	-	-	-		
040		TF	SIPAL	-	119° (122.8°T)	4°E	9.7	-	+8000	-		

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
SIPAL	430812N	0170425E
HUM	431713.88N	0164042.42E
SPL	432947.69N	0161817.00E
SB801	432055.8N	0164425.8E
SB802	431821.9N	0165155.2E
SB803	431526.1N	0164905.4E
SB804	431327.8N	0165316.8E

CHANGE: TMAs classification vertical limits; Parachute activity zones; Editorial.

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

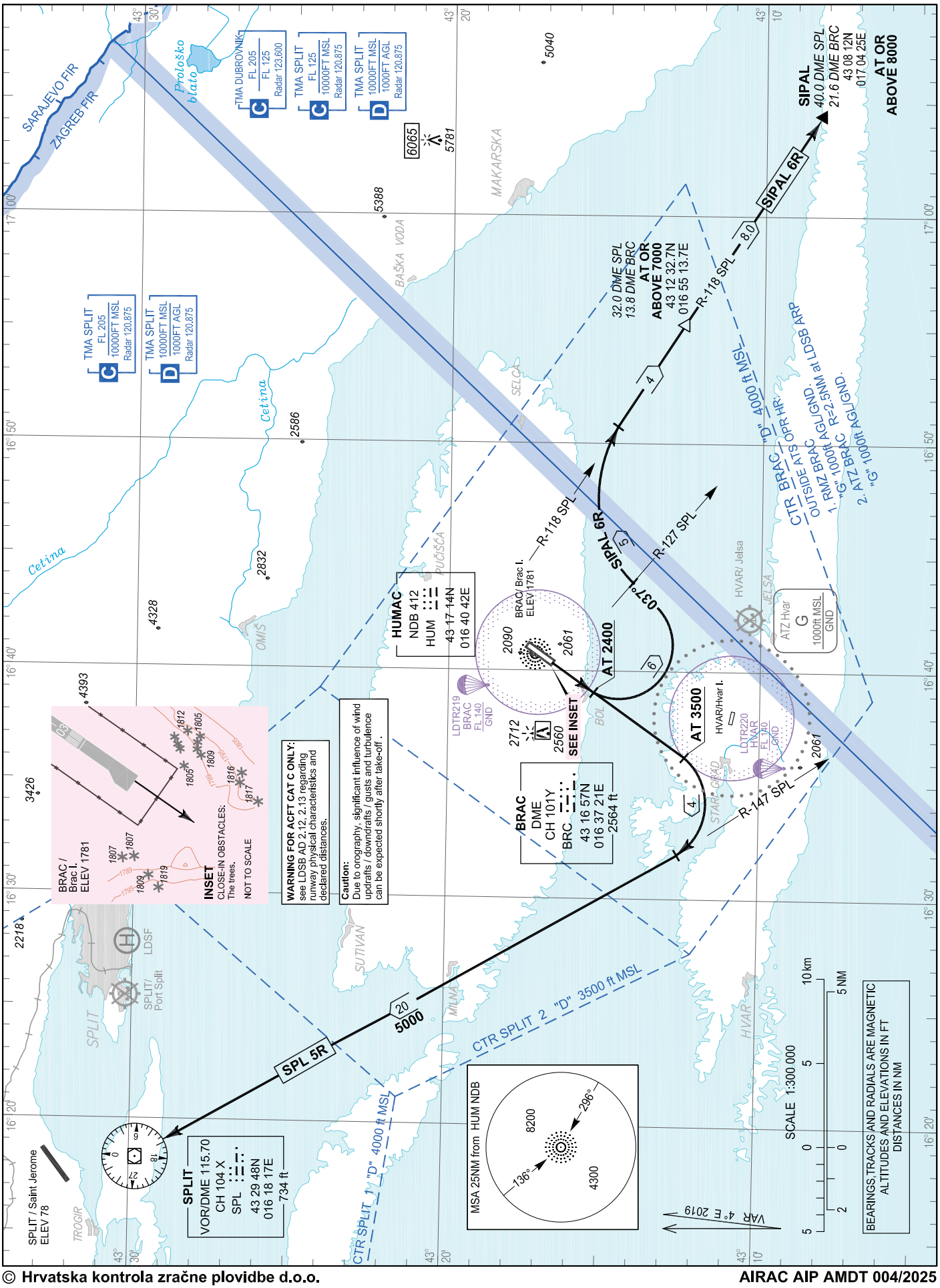
BRAC / Brac I. (LDSB)

TRANSITION ALTITUDE
10 000

BRAC TOWER 118.025
SPLIT RADAR 120.875

SPL 5R SIPAL 6R

ACFT CAT A / B & C RWY 21



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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

BRAC TOWER 118.025
SPLIT RADAR 120.875

SPL 1M SIPAL 1T

RNAV RWY 21

BRAC / Brac I. (LDSB)

CHANGE: TMAs classification vertical limits; Parachute activity zones added; Editorial.

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SPLIT / Saint Jerome
ELEV 78

SPL
SPLIT
VOR/DME 115.70
CH 104 X
SPL
43 29 48N
016 18 17E
734 ft

SPL 1M
20.6
304°
(307.7°T)

CTR SPLIT 1 "D" 4000 ft MSL

CTR SPLIT 2 "D" 3500 ft MSL

BRAC
DME
CH 101Y
BRC
43 16 57N
016 37 21E
2564 ft

HUMAC
NDB 412
HUM
43 17 14N
016 40 42E

HUM
MAX IAS 230kt
6000

BRAC/ Brac I.
ELEV 1781

SEE INSET

4.4
211°
(215.1°T)

6.5
322°
(326.1°T)

R-137 SPL

SB901
MAX IAS 180kt

6.2
137°
(141.1°T)

SB903
MAX IAS 180kt

4.4
031°
(035.1°T)

SB902
27.7DME SPL

086°
(090.1°T)
16.3
SIPAL 1T

SIPAL
43 08 12N
017 04 25E
8000

BRAC /
Brac I.
ELEV 1781

INSET
CLOSE-IN OBSTACLES:
The trees.
NOT TO SCALE

TMA SPLIT
FL 205
10000FT MSL
Radar 120.875

TMA SPLIT
10000FT MSL
1000FT AGL
Radar 120.875

TMA DUBROVNIK
FL 205
FL 125
Radar 123.600

TMA SPLIT
FL 125
10000FT MSL
Radar 120.875

TMA SPLIT
10000FT MSL
1000FT AGL
Radar 120.875

RNAV 1
GNSS required

OUTSIDE ATS OPR HR:
1. RMZ BRAC
"G" 1000ft AGL/GND.
2. ATZ BRAC R=2,5NM at LDSB ARP
"G" 1000ft AGL/GND.
CTR BRAC "D" 4000 ft MSL

ATZ Hvar
G
1000ft MSL
GND

LDTR219
BRAC
FL 140
GND

LDTR220
HVAR
FL 140
GND

MSA 25NM from LDSB ARP
8200
ARP

VAR 4° E 2019

BEARINGS,TRACKS AND RADIALS ARE MAGNETIC
ALTITUDES AND ELEVATIONS IN FT
DISTANCES IN NM

SCALE 1:300 000
5 0 5 10 km
2 0 5 NM

SARAJEVO FIR
ZAGREB FIR

SPLIT
TROGIR
OMIŠ
SUTIVAN
SUPETAR
PUČIŠĆA
MILNA
BAŠKA VODA
SELCA
MAKARSKA
HVAR
STARI GRAD
JELSA
HVAR/Jelsa
HVAR/Hvar I.
Prološko blato

SPLIT/
Port Split
LDSF

3426
4393
4328
2832
2586
5388
6065
5781
5040
2712
2560
2061
1369
686

RNAV RWY 21 SPL 1M SIPAL 1T

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 FT/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary this is indicated in the tabular description of the route.

Close-in obstacles: trees with heights up to 554.4 M (1819 FT) AMSL on both sides and abeam of the extended RWY centre line, from the DER until the distance of 190 M (0.1 NM) after passing DER. See inset on the chart.

WARNING

Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID SPL 1M only:

Climb straight ahead to intercept and follow R-137 SPL. At 27.7 DME SPL turn LEFT climbing on track 031°. On passing 4000 FT AMSL proceed via RNAV SID SPL 1M or according to ATC instruction.

LDSB RNAV STANDARD INSTRUMENT DEPARTURE RWY 21

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SPL 1M	CF	SB901	-	211° (215.1°T)	4°E	4.4	-	-		-	RNAV 1
020		TF	SB902	-	137° (141.1°T)	4°E	6.2	-	-	-		
030		TF	SB903	Y	031° (035.1°T)	4°E	4.4	L	-	-180		
040		TF	HUM		322° (326.1°T)	4°E	6.5	-	+6000	-230		
050		TF	SPL	-	304° (307.7°T)	4°E	20.6	-	-	-		

WARNING

Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID SIPAL 1T only:

Climb straight ahead to intercept and follow R-137 SPL. At 27.7 DME SPL turn LEFT climbing on track 086°. On passing 4000 FT AMSL proceed via RNAV SID SIPAL 1T or according to ATC instruction.

LDSB RNAV STANDARD INSTRUMENT DEPARTURE RWY 21

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SIPAL 1T	CF	SB901	-	211° (215.1°T)	4°E	4.4	-	-	-180	-	RNAV 1
020		TF	SB902	-	137° (141.1°T)	4°E	6.2	-	-	-		
040		TF	SIPAL	-	086° (090.1°T)	4°E	16.3	-	+8000	-		

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
SIPAL	430812N	0170425E
HUM	431713.88N	0164042.42E
SPL	432947.69N	0161817.00E
SB901	431304.3N	0163652.3E
SB902	430815.4N	0164210.9E
SB903	431151.9N	0164539.1E

CHANGE: TMAs classification vertical limits; Parachute activity zones; Editorial.

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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

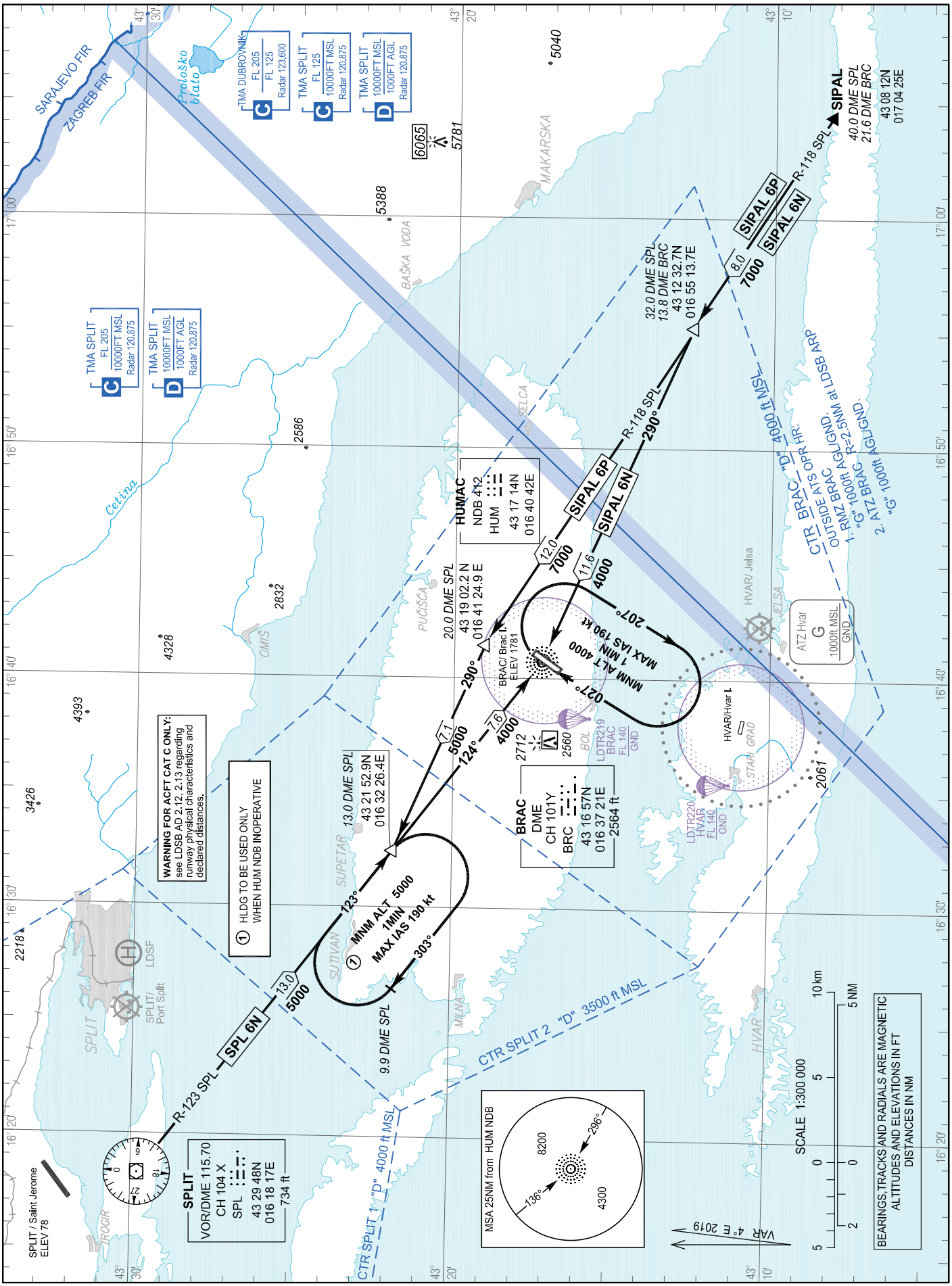
BRAC / Brac I. (LDSB)

TRANSITION ALTITUDE
10 000

SPLIT RADAR 120.875
BRAC TOWER 118.025

SPL 6N SIPAL 6P SIPAL 6N

ACFT CAT A / B & C RWY 03/21



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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

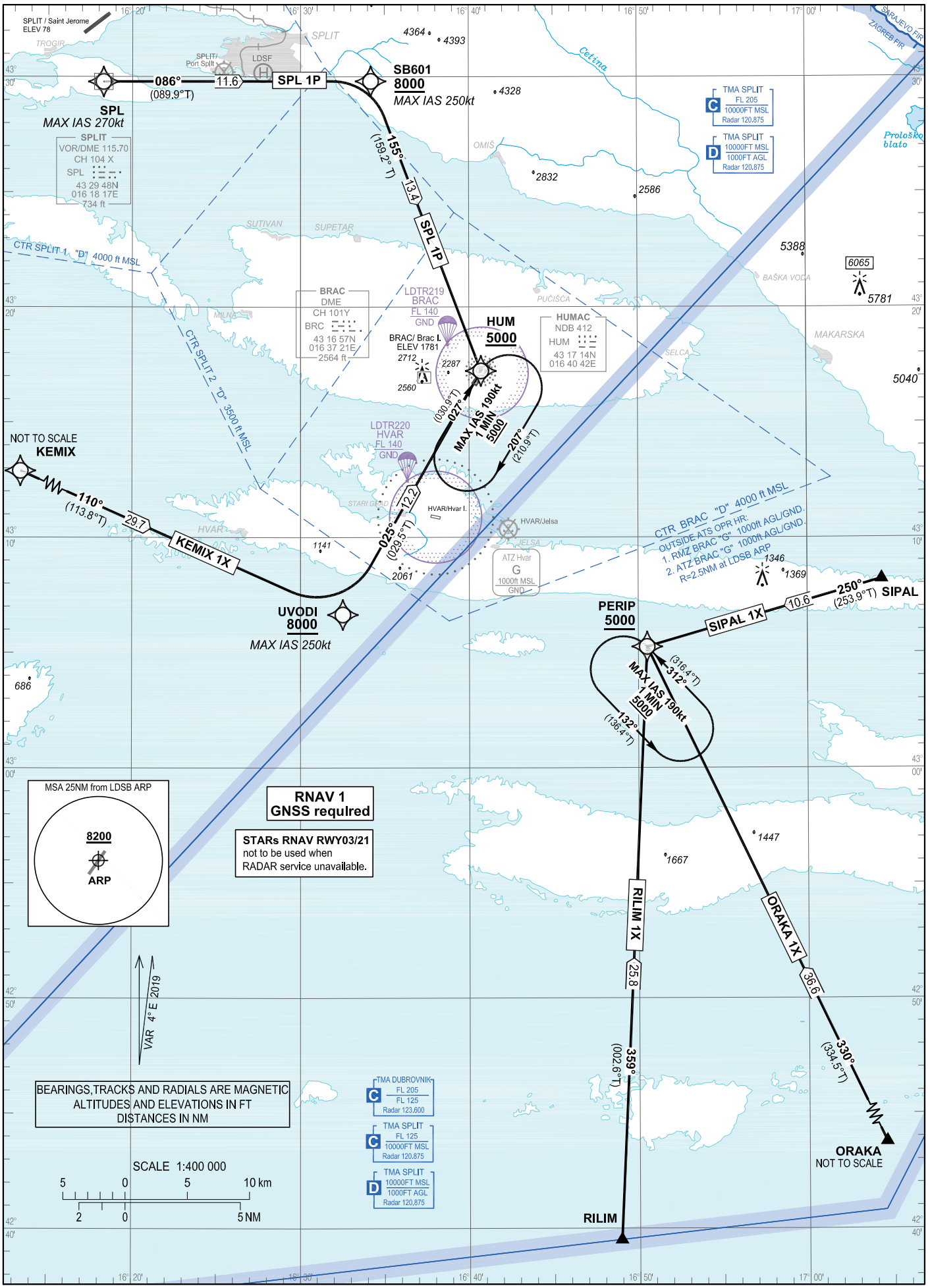
TRANSITION ALTITUDE
10 000

SPLIT RADAR 120.875
BRAC TOWER 118.025

SPL 1P SIPAL 1X ORAKA 1X
RILIM 1X KEMIX 1X

BRAC / Brac I. (LDSB)

RNAV RWY 03/21



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BRAC / Brac I. (LDSB)

RNAV RWY 03/21

SPL 1P SIPAL 1X ORAKA 1X
RILIM 1X KEMIX 1X

LDSB RNAV STANDARD ARRIVAL RWY 03/21

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SPL 1P	IF	SPL	-	-	4°E	-	-	-	-270	-	
020		TF	SB601	-	086° (089.9° T)	4°E	11.6	-	+8000	-250	-	RNAV 1
030		TF	HUM	-	155° (159.2°T)	4°E	13.4	-	+5000	-	-	
010	SIPAL 1X	IF	SIPAL	-		4°E	-	-	-	-	-	
020		TF	PERIP	-	250° (253.9°T)	4°E	10.6	-	+5000	-	-	RNAV 1
010	ORAKA 1X	IF	ORAKA	-		4°E	-	-	-	-	-	
020		TF	PERIP	-	330° (334.5°T)	4°E	36.6	-	+5000	-	-	RNAV 1
010	RILIM 1X	IF	RILIM	-	-	4°E	-	-	-	-	-	
020		TF	PERIP	-	359° (002.6°T)	4°E	25.8	-	+5000	-	-	RNAV 1
010	KEMIX 1X	IF	KEMIX	-	-	4°E	-	-	-	-	-	
020		TF	UVODI	-	110° (113.8°T)	4°E	29.7	-	+8000	-250	-	RNAV 1
030		TF	HUM	-	025° (029.5°T)	4°E	12.2	-	+5000	-	-	

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
HUM	HM	027° (030.9°T)	1MIN / -	R	5000	-	190	4°E	-	RNAV 1
PERIP	HM	312° (316.4°T)	1MIN / -	L	5000	-	190	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
SPL	432947.69N	0161817.00E
HUM	431713.88N	0164042.42E
KEMIX	431842.4N	0155526.9E
ORAKA	423213N	0171202E
PERIP	430515.3N	0165031.1E
RILIM	423931N	0164856E
SIPAL	430812N	0170425E
UVODI	430638.8N	0163230.5E
SB601	432948.2N	0163410.6E

CHANGE: TMAs classification vertical limits; Parachute activity zones added; Notes; Editorial.

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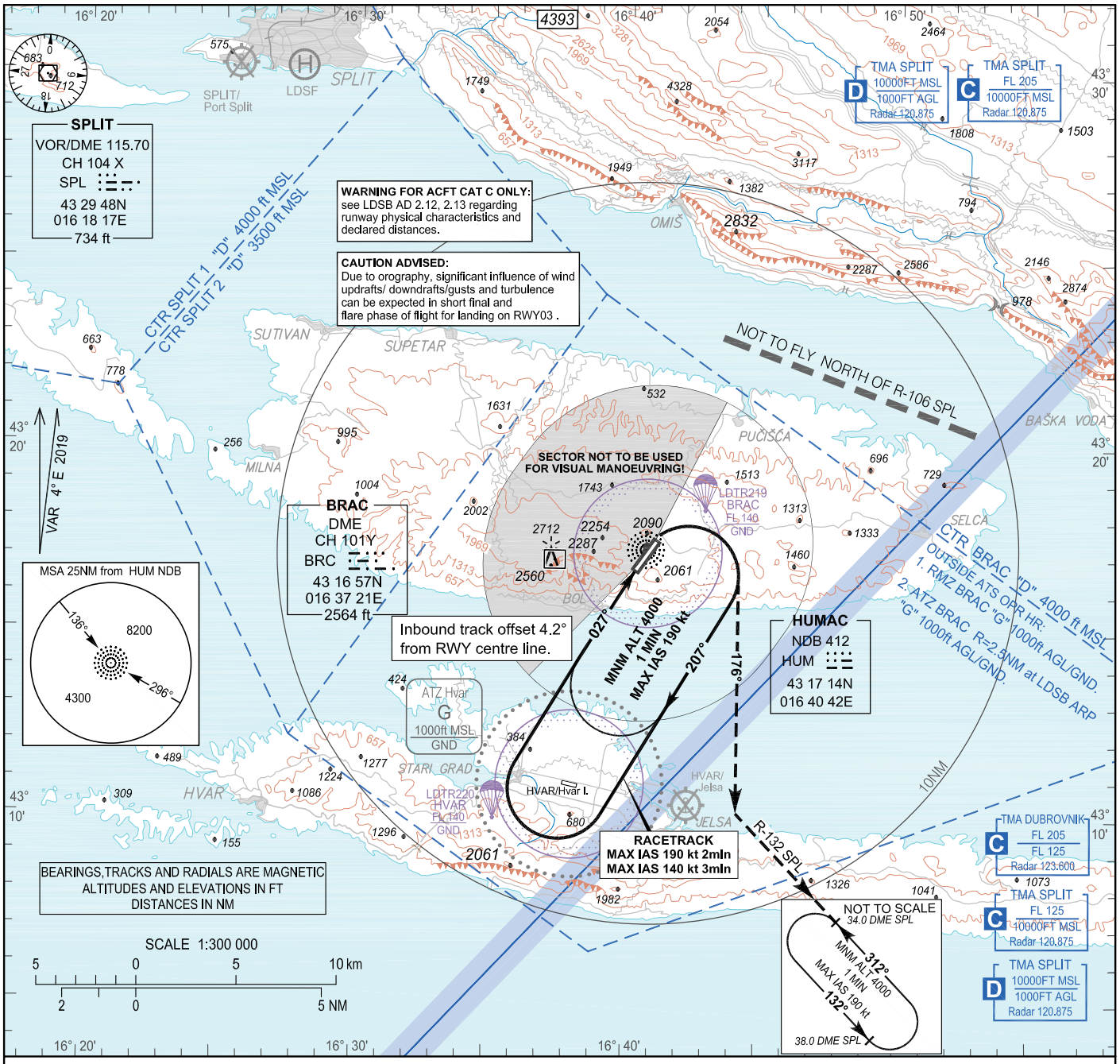
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 1781
HEIGHTS RELATED
TO AD ELEV 1781

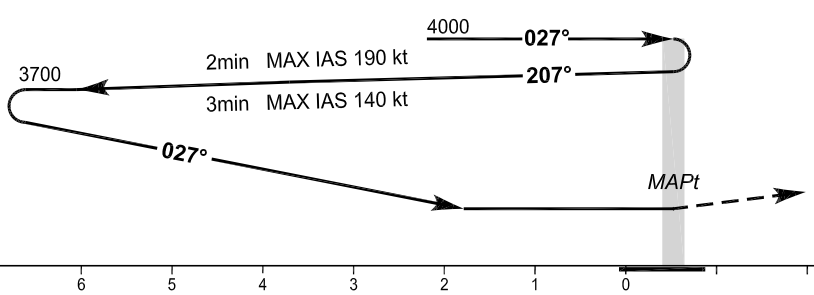
SPLIT RADAR 120.875
BRAC TOWER 118.025

BRAC / Brac I. (LDSB)

NDB RWY 03



TRANSITION ALT 10 000



THR ELEV 1779

NM to/from THR 03: 8 7 6 5 4 3 2 1 0

MISSED APPROACH:
At HUM NDB turn RIGHT on track 176°, intercept R-132 SPL climbing to 34.0 DME SPL at 4000 and hold.

OCA(H)	A	B	C
Straight - in Approach	2650 (870)		
Circling	2650 (870)		

Circling NW of aerodrome not allowed.

MAPt at HUM NDB.

WARNING FOR ACFT CAT C ONLY:
see LDSB AD 2.12, 2.13 regarding runway physical characteristics and declared distances.

CHANGE: TMAs classification vertical limits; Parachute activity zones added; Editorial.

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NDB RWY 03

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
NDB RWY 03			
Final approach descent angle:		-	
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (HUM NDB)	431713.88N 0164042.42E	-	-
MAPt (HUM NDB)	431713.88N 0164042.42E	-	-

CHANGE: TMAs classification vertical limits; Parachute activity zones added; Editorial.

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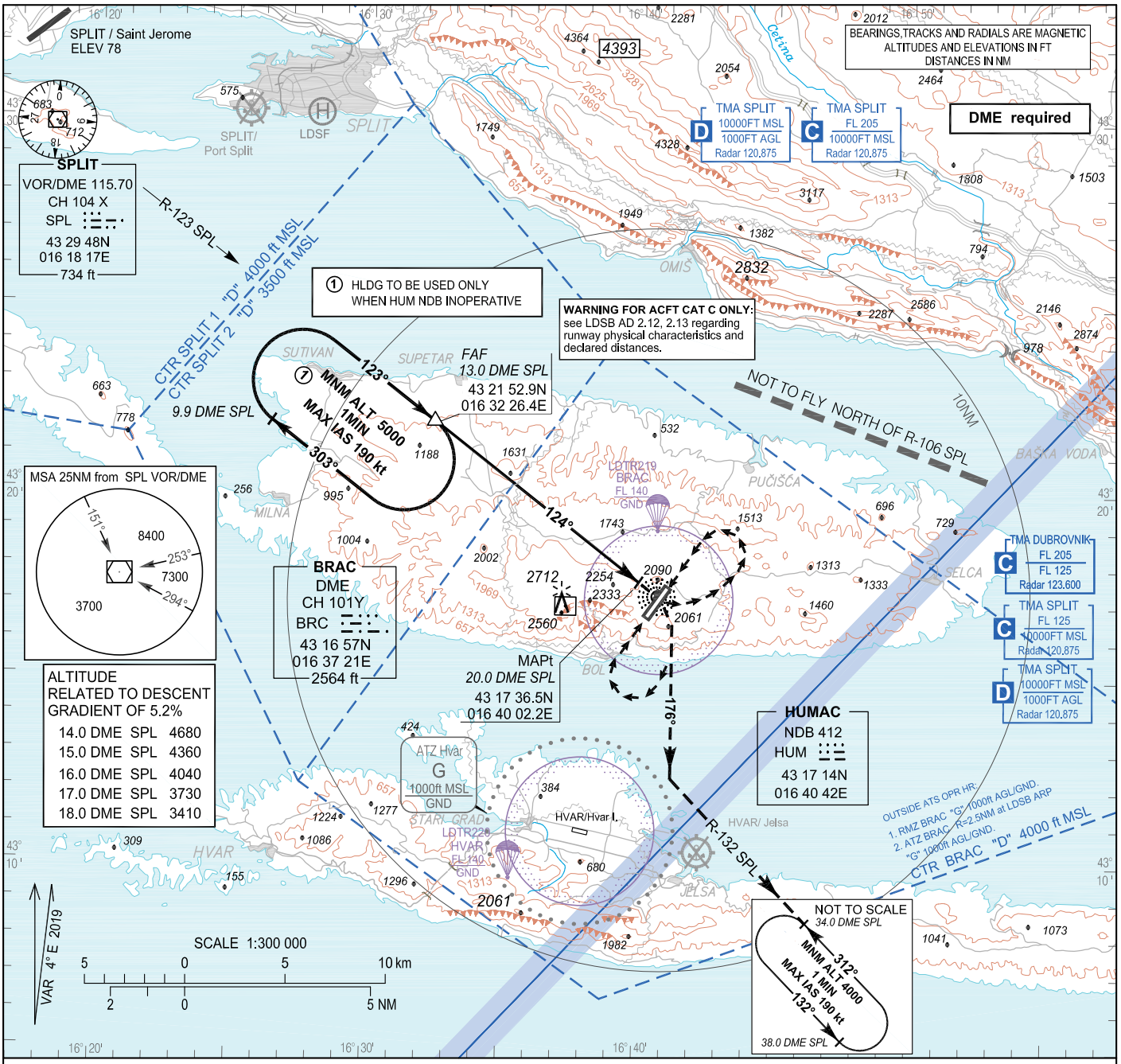
INSTRUMENT APPROACH CHART-ICAO

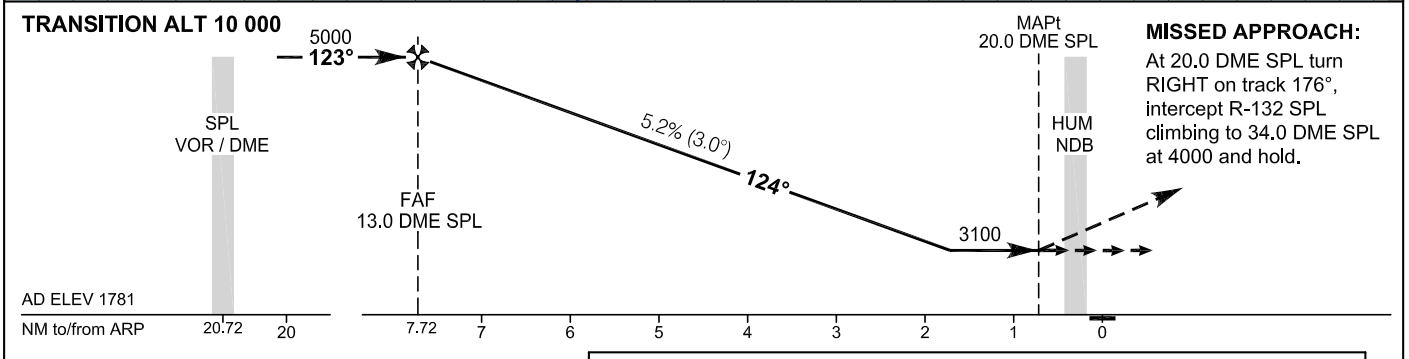
AD ELEV 1781
HEIGHTS RELATED TO AD ELEV 1781

BRAC / Brac I. (LDSB)

CIRCLING
VOR - a RWY 03/21

SPLIT RADAR	BRAC TOWER
120.875	118.025





MISSED APPROACH:
At 20.0 DME SPL turn RIGHT on track 176°, intercept R-132 SPL climbing to 34.0 DME SPL at 4000 and hold.

OCA(H)	A	B	C
CIRCLING	3100 (1320)		3110 (1330)

FAF TO MAPt - 7.0 NM TIMING NOT AUTHORIZED FOR DEFINING THE MAPt							
GS(KT)	70	80	90	100	120	130	140
MIN:SEC	6:00	5:15	4:40	4:12	3:30	3:14	3:00
RATE OF DESCENT (ft/min)	370	420	480	530	640	690	740

CHANGE: TMAs classification vertical limits; Parachute activity zones added; Split/Resnik Wather aerodrome removed; Editorial.

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CIRCLING
VOR - a RWY 03/21

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
VOR-a RWY 03/21			
Final approach descent angle:		3.00°	
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (HLDG)	43 21 52.9N 016 32 26.4E	127.41° (SPL VOR)	13.00 DME SPL
FAF	43 21 52.9N 016 32 26.4E	127.41° (SPL VOR)	13.00 DME SPL
MAPt	43 17 36.5N 016 40 02.2E	127.41° (SPL VOR)	20.00 DME SPL

CHANGE: TMAs classification vertical limits; Parachute activity zones added; Split/Resnik Wather aerodrome removed; Editorial.

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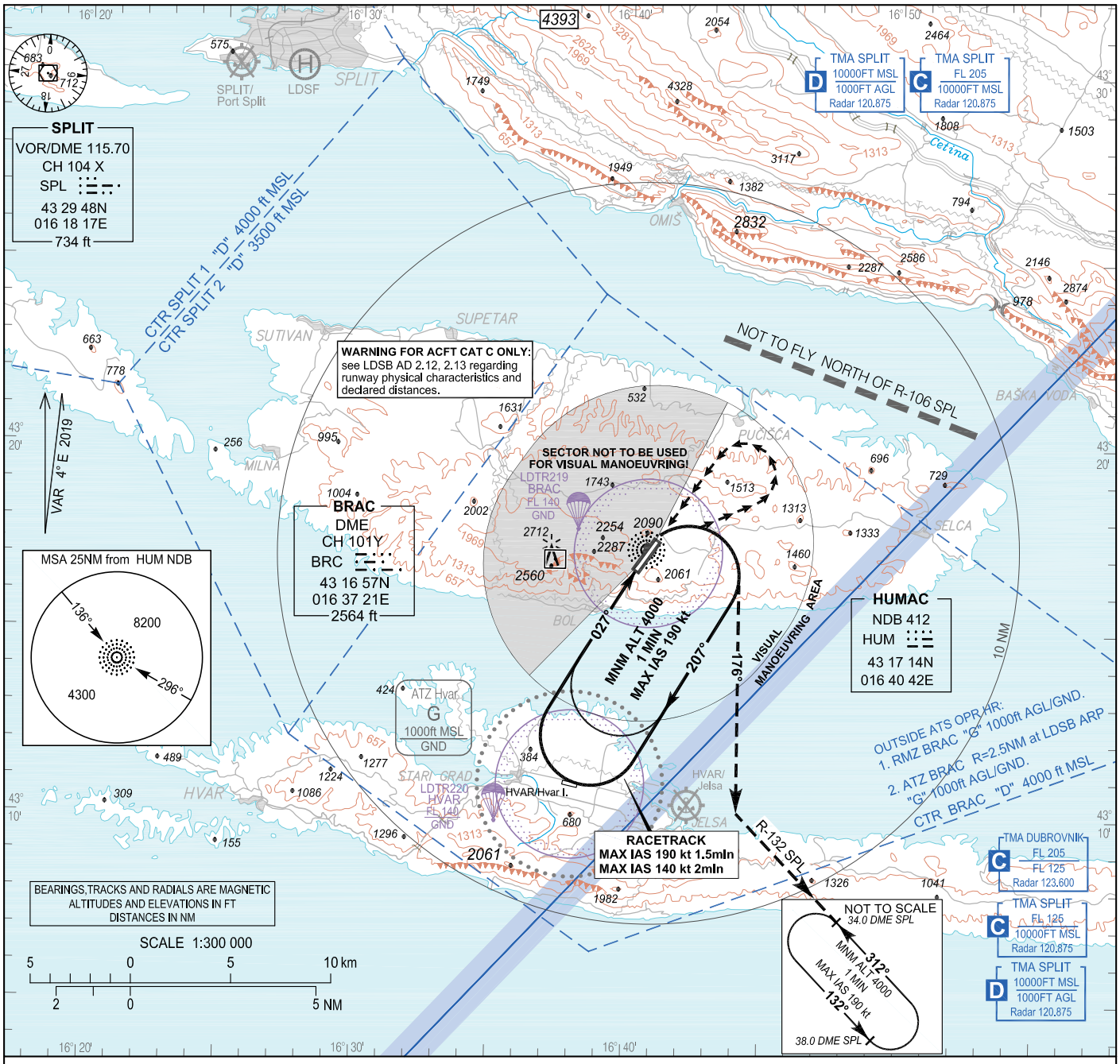
INSTRUMENT APPROACH CHART-ICAO

AD ELEV 1781
HEIGHTS RELATED TO AD ELEV 1781

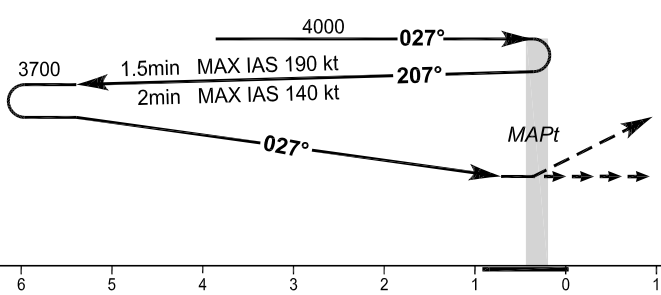
SPLIT RADAR 120.875
BRAC TOWER 118.025

BRAC / Brac I. (LDSB)

NDB - a RWY 21



TRANSITION ALT 10 000



MISSED APPROACH:
At HUM NDB turn RIGHT on track 176°, intercept R-132 SPL climbing to 34.0 DME SPL at 4000 and hold.

OCA(H)	A	B	C
CIRCLING	2650 (870)		

Circling NW of aerodrome not allowed.

MAPt at HUM NDB.

WARNING FOR ACFT CAT C ONLY:
see LDSB AD 2.12, 2.13 regarding runway physical characteristics and declared distances.

CHANGE: TMAs classification vertical limits; Parachute activity zones added; Editorial.

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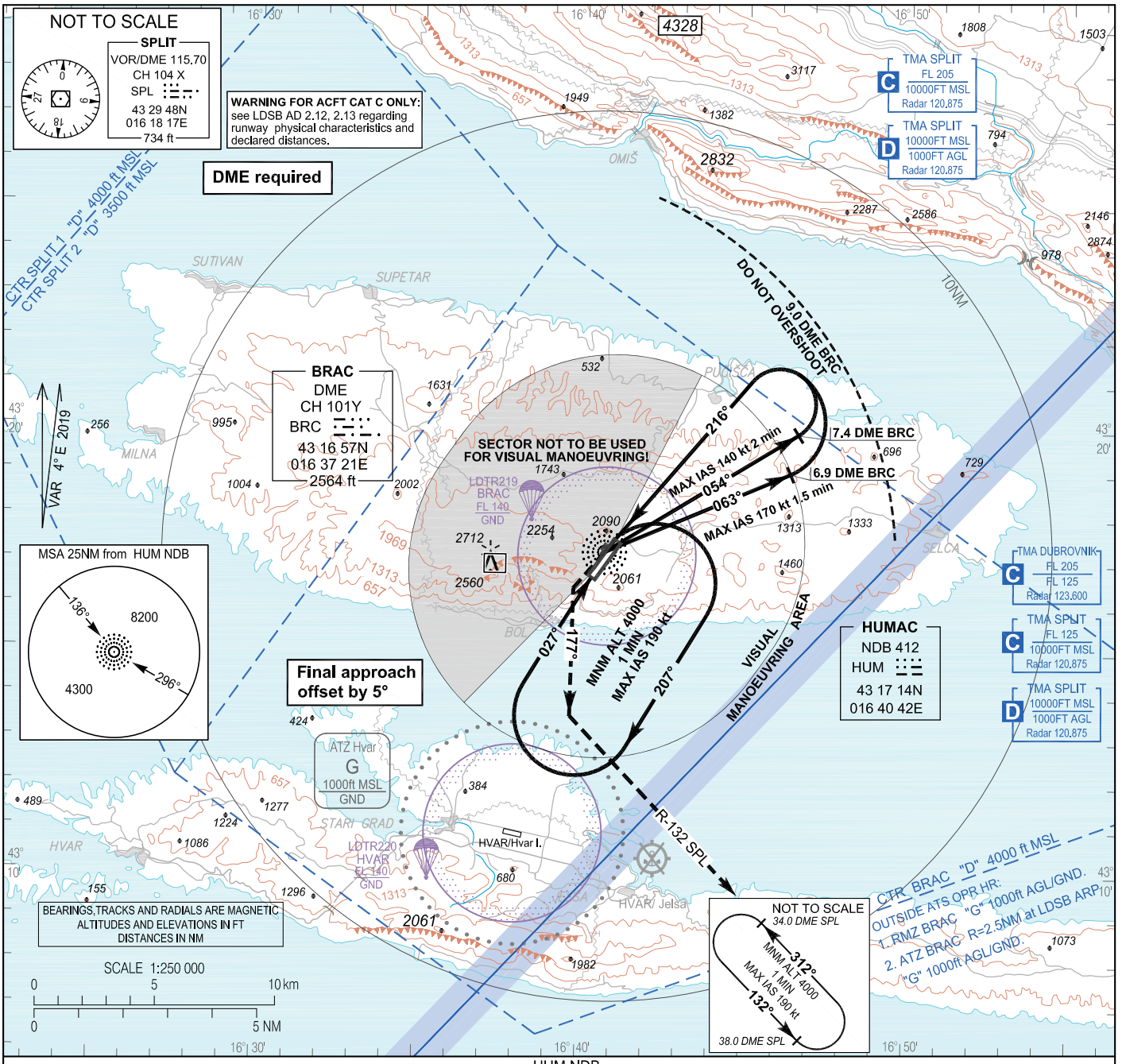
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 1781
HEIGHTS RELATED
TO THR 21 ELEV 1701

SPLIT RADAR 120.875
BRAČ TOWER 118.025

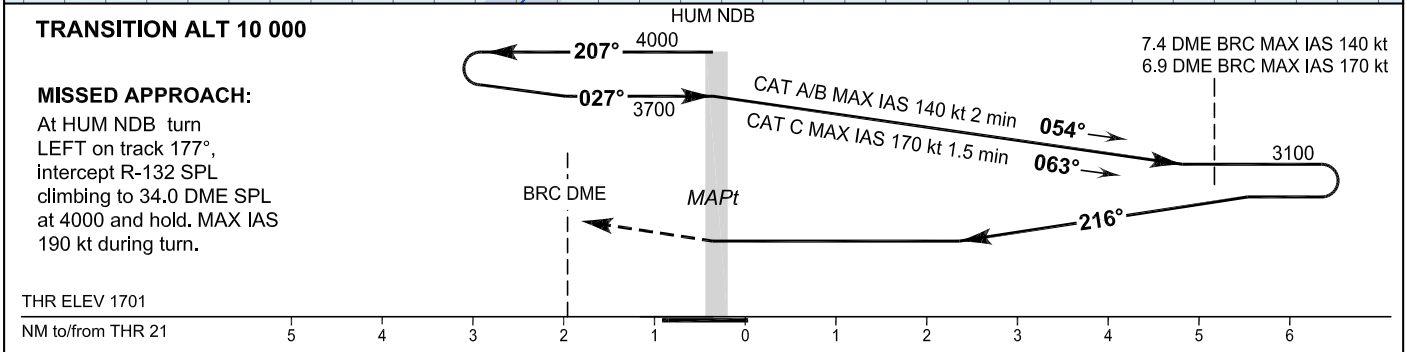
BRAC / Brac I. (LDSB)

NDB RWY 21



TRANSITION ALT 10 000

MISSED APPROACH:
At HUM NDB turn
LEFT on track 177°,
intercept R-132 SPL
climbing to 34.0 DME SPL
at 4000 and hold. MAX IAS
190 kt during turn.



OCA(H)	A	B	C
Straight - in Approach	2500 (800)		2530 (830)
Circling	2500 (720)		2530 (750)

Circling NW of aerodrome not allowed.
MAPt at HUM NDB.

CHANGE: TMAs classification vertical limits; Parachute activity zones added; Editorial.

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AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
NDB RWY 21			
Final approach descent angle:		-	
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (HUM NDB)	431713.88N 0164042.42E	-	-
MAPt (HUM NDB)	431713.88N 0164042.42E	-	-

CHANGE: TMAs classification vertical limits; Parachute activity zones added; Editorial.

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INSTRUMENT APPROACH CHART-ICAO

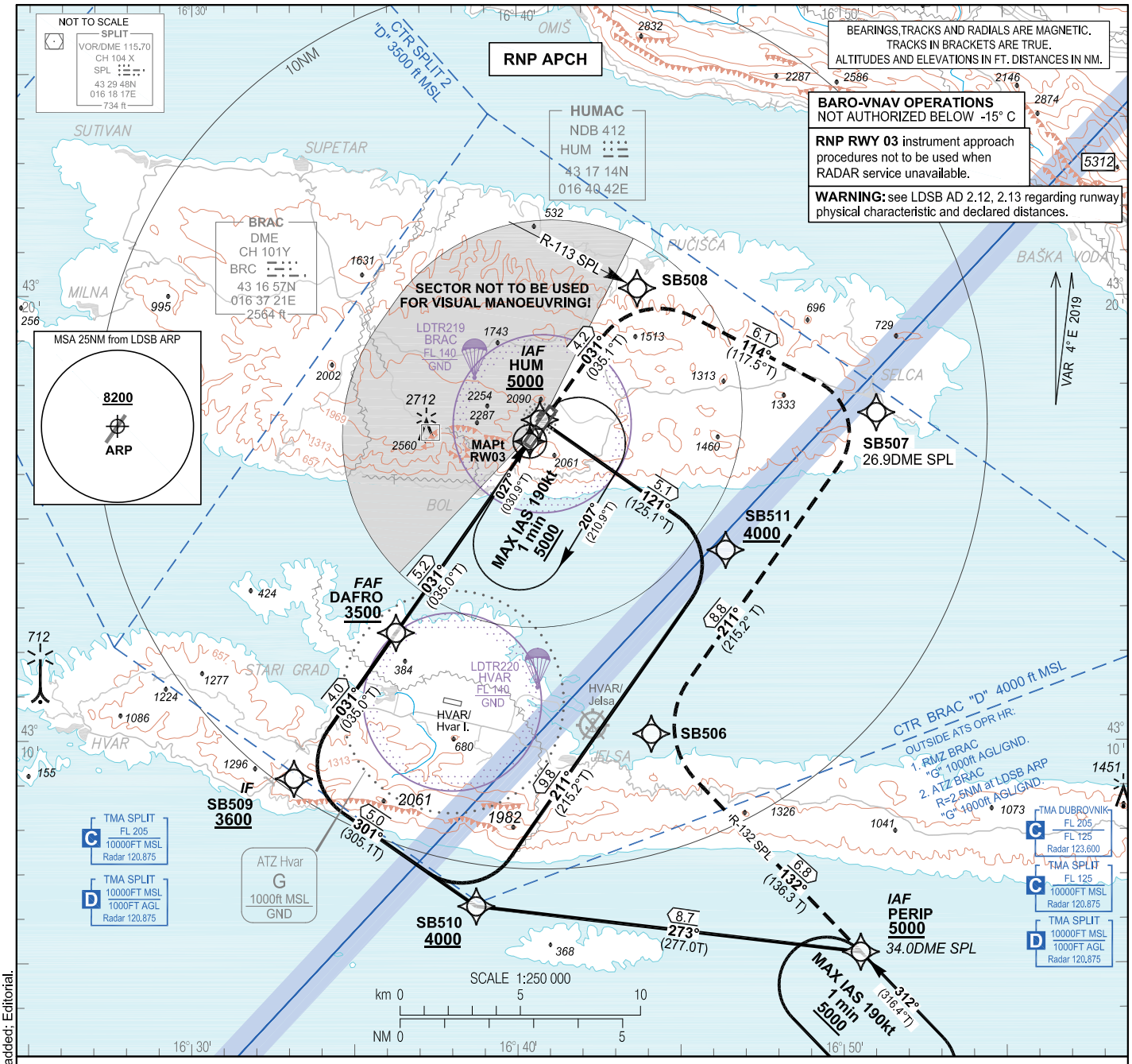
AD ELEV 1781
HEIGHTS RELATED TO THR 03 ELEV 1779

SBAS CH:60004 E03A

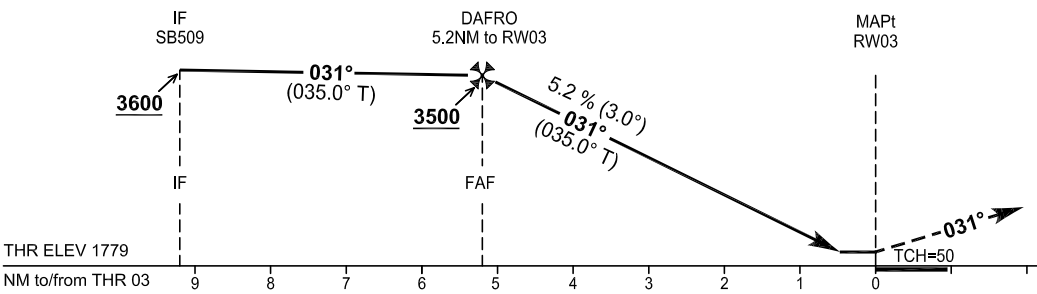
SPLIT RADAR 120.875
BRAC TOWER 118.025

BRAC / Brac I. (LDSB)

RNP RWY 03



TRANSITION ALT 10 000



MISSED APPROACH

RNAV

RW03 – SB508 – SB507 – SB506 – PERIP
[A5000; -K190]

NON RNAV

Climb straight ahead to intercept and follow R-113 SPL. At 26.9 DME SPL turn RIGHT climbing on track 211° to intercept R-132 SPL. Follow R-132 SPL climbing to 34.0 DME SPL (PERIP) at 5000 and hold. MAX IAS 190kt.

OCA(H)		A	B	C
Straight-in approach	LNAV	2410 (630)		
	LNAV/VNAV	2300 (521)	2310 (531)	2310 (531)
	LPV	2290 (511)	2300 (521)	2310 (531)
Circling		2430 (650)		2520 (740)

DIST THR/RW03	NM	5	4	3	2	1
Altitude	ft	3420	3100	2780	2470	2150

TIMING NOT AUTHORIZED FOR DEFINING THE MAPt						
GS	kt	70	100	120	140	160
DAFRO-RW03 (5.2NM)	min : sec	4:27	3:07	2:36	2:14	1:57
Rate of descent (5.2%)	ft/min	372	531	637	743	849

CHANGE: TMAs classification vertical limits; Parachute activity zones added; Editorial.

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RNP RWY 03

Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDSB
Runway	03
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E03A
LTP/FTP Latitude	431644.7235N
LTP/FTP Longitude	0164024.0370E
LTP/FTP Ellipsoidal Height (metres)	584.7
FPAP Latitude	431727.6745N
Delta FPAP Latitude (seconds)	42.9510
FPAP Longitude	0164105.3400E
Delta FPAP Longitude (seconds)	41.3030
Threshold Crossing Height	50.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 02 13 04 0C 03 00 00 01 33 30 05 67 C8 92 12 CA C9 27 07 D7 2A 8E 4F 01 AE 42 01 F4 01 2C 01 64 00 C8 FA 1D 89 09 9E
Calculated CRC Value	1D89099E

Required Additional Data

ICAO Code	LD
LTP/FTP Orthometric Height (metres)	542.3

CHANGE: TMAs classification vertical limits; Parachute activity zones added; Editorial.

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RNP RWY 03

LDSB RNP RWY03

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	HUM	-	-	4°E	-	-	+5000	-	-	-	RNP APCH
020	-	TF	SB511	-	121° (125.1°T)	4°E	5.1	-	+4000	-	-	-	
030	-	TF	SB510	-	211° (215.2°T)	4°E	9.8	-	+4000	-	-	-	
040	IF	TF	SB509	-	301° (305.1°T)	4°E	5.0	-	+3600	-	-	-	
010	IAF	IF	PERIP	-	-	4°E	-	-	+5000	-	-	-	RNP APCH
020	-	TF	SB510	-	273° (277.0°T)	4°E	8.7	-	+4000	-	-	-	
030	IF	TF	SB509	-	301° (305.1°T)	4°E	5.0	-	+3600	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	SB509	-	-	4°E	-	-	+3600	-	-	-	RNP APCH
020	FAF	TF	DAFRO	-	031° (035.0°T)	4°E	4.0	-	+3500	-	-	-	
030	MAPt	TF	RW03	Y	031° (035.0°T)	4°E	5.2	-	-	-	3.0 / 50.0	-	
040	-	TF	SB508	-	031° (035.1°T)	4°E	4.2	-	-	-	-	-	
050	-	TF	SB507		114° (117.5°T)	4°E	6.1	-	-	-	-	-	
060	-	TF	SB506		211° (215.2°T)	4°E	8.8	R	-	-	-	-	
070	MAHF	TF	PERIP	-	132° (136.3°T)	4°E	6.8	-	5000	-190	-	-	
080	MAHF	HM	PERIP	-	312° (316.4°T)	4°E	1MIN	L	5000	-190	-	Holding above 5000ft on ATC clearance only	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path Term-inator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude FT	Maximum altitude FT	Speed limit MAX IAS	Magnetic variation	Remarks	NAV SPEC
HUM	HM	027° (030.9° T)	1MIN / -	R	5000	-	190	4°E	-	RNAV 1
PERIP	HM	312° (316.4° T)	1MIN / -	L	5000	-	190	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
RW03	431644.72N	0164024.04E
HUM	431713.88N	0164042.42E
DAFRO	431226.9N	0163616.5E
PERIP	430515.3N	0165031.1E
SB506	431010.2N	0164406.8E
SB507	431722.8N	0165103.7E
SB508	432011.1N	0164342.7E
SB509	430910.3N	0163308.2E
SB510	430617.9N	0163843.8E
SB511	431417.9N	0164624.8E

CHANGE: TMAs classification vertical limits; Parachute activity zones added; Editorial.

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INSTRUMENT APPROACH CHART-ICAO

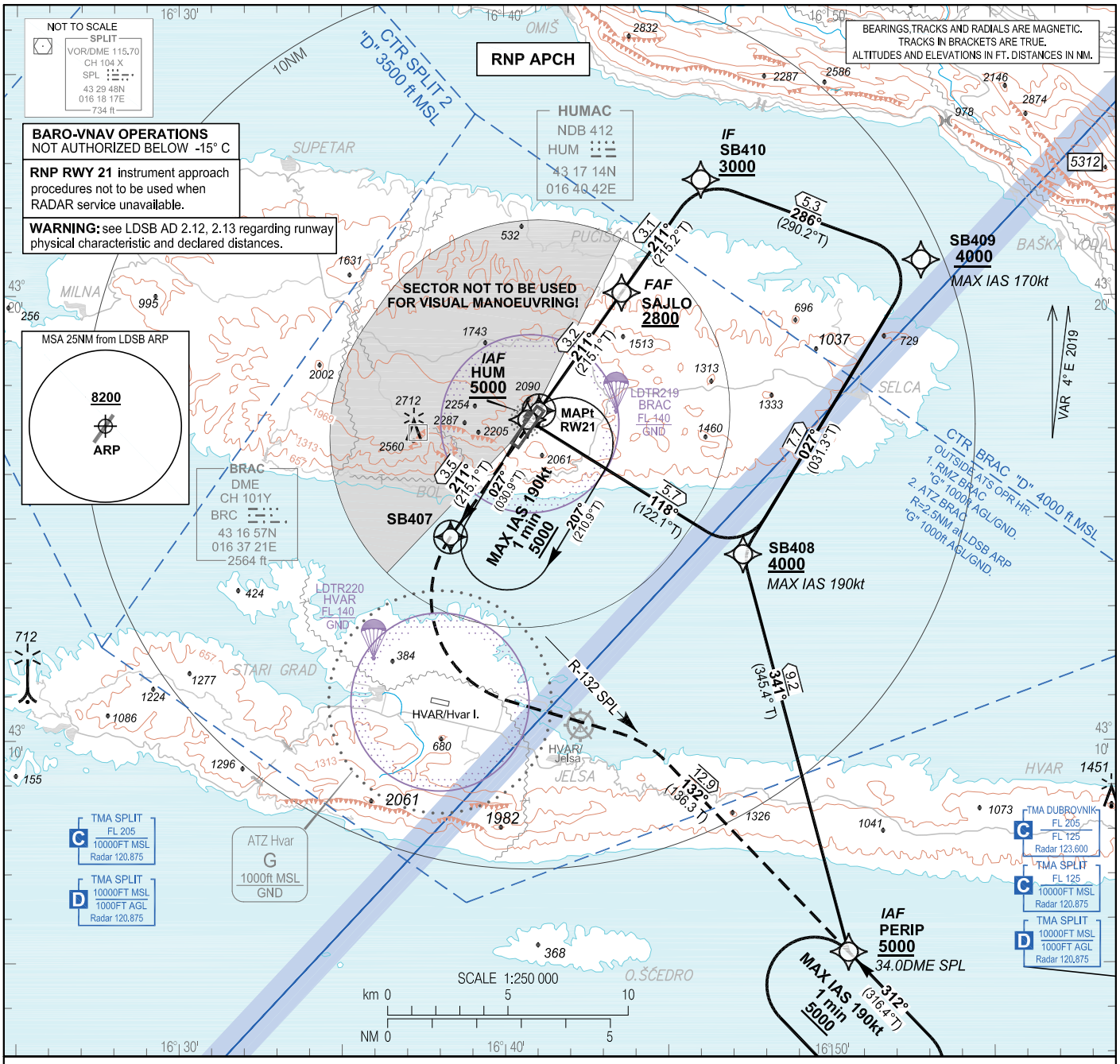
AD ELEV 1781
HEIGHTS RELATED TO THR 21 ELEV 1701

SBAS
CH:69772
E21A

SPLIT RADAR 120.875
BRAC TOWER 118.025

BRAC / Brac I. (LDSB)

RNP RWY 21



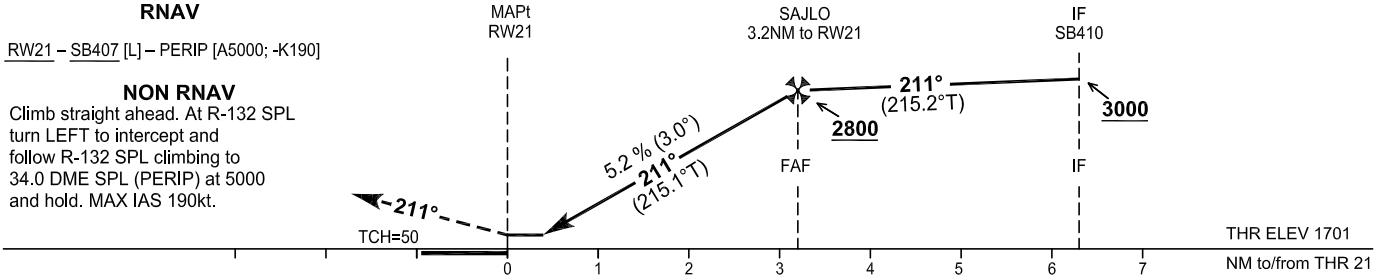
TRANSITION ALT 10 000

MISSED APPROACH
RNAV

RW21 – SB407 [L] – PERIP [A5000; -K190]

NON RNAV

Climb straight ahead. At R-132 SPL turn LEFT to intercept and follow R-132 SPL climbing to 34.0 DME SPL (PERIP) at 5000 and hold. MAX IAS 190kt.



OCA(H)		A	B	C
Straight-in approach	LNAV	2410 (710)		
	LNAV/VNAV	2290 (589)	2300 (599)	2310 (609)
	LPV	2290 (589)	2300 (599)	2310 (609)
Circling		2430 (650)		2520 (740)

TIMING NOT AUTHORIZED FOR DEFINING THE MAPt						
GS	kt	70	100	120	140	160
SAJLO – RW21 (3.2NM)	min : sec	2:45	1:55	1:36	1:22	1:12
Rate of descent (5.2%)	ft/min	372	531	637	743	849

CHANGE: TMAs classification vertical limits; Parachute activity zones added; Editorial.

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RNP RWY 21

Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDSB
Runway	21
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E21A
LTP/FTP Latitude	431726.0900N
LTP/FTP Longitude	0164103.8185E
LTP/FTP Ellipsoidal Height (metres)	561.1
FPAP Latitude	431641.0210N
Delta FPAP Latitude (seconds)	-45.0690
FPAP Longitude	0164020.4775E
Delta FPAP Longitude (seconds)	-43.3410
Threshold Crossing Height	50.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 02 13 04 0C 15 00 00 01 31 32 05 94 0B 94 12 95 00 29 07 EB 29 E6 9F FE 66 AD FE F4 01 2C 01 64 00 C8 FA 06 08 D3 7D
Calculated CRC Value	0608D37D

Required Additional Data

ICAO Code	LD
LTP/FTP Orthometric Height (metres)	518.6

CHANGE: TMAs classification vertical limits; Parachute activity zones added; Editorial.

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RNP RWY 21

LDSB RNP RWY21

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	HUM	-	-	4°E	-	-	+5000	-	-	-	RNP APCH
020	-	TF	SB408	-	118° (122.1°T)	4°E	5.7	-	+4000	-190	-	-	
030	-	TF	SB409	-	027° (031.3°T)	4°E	7.7	-	+4000	-170	-	-	
040	IF	TF	SB410	-	286° (290.2°T)	4°E	5.3	L	+3000	-	-	-	
010	IAF	IF	PERIP	-	-	4°E	-	-	+5000	-	-	-	RNP APCH
020	-	TF	SB408	-	341° (345.4°T)	4°E	9.2	-	+4000	-190	-	-	
030	-	TF	SB409	-	027° (031.3°T)	4°E	7.7	-	+4000	-170	-	-	
040	IF	TF	SB410	-	286° (290.2°T)	4°E	5.3	L	+3000	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	SB410	-	-	4°E	-	-	+3000	-	-	-	RNP APCH
020	FAF	TF	SAJLO	-	211° (215.2°T)	4°E	3.1	-	+2800	-	-	-	
030	MAPt	TF	RW21	Y	211° (215.1°T)	4°E	3.2	-	-	-	3.0 / 50.0	-	
040	-	TF	SB407	Y	211° (215.1°T)	4°E	3.5	-	-	-	-	-	
050	MAHF	TF	PERIP	-	132° (136.3°T)	4°E	12.9	-	5000	-190	-	-	
060	MAHF	HM	PERIP	-	312° (316.4°T)	4°E	1MIN	L	5000	-190	-	Holding above 5000ft on ATC clearance only	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path Term-inator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude FT	Maximum altitude FT	Speed limit MAX IAS	Magnetic variation	Remarks	NAV SPEC
HUM	HM	027° (030.9° T)	1MIN / -	R	5000	-	190	4°E	-	RNAV 1
PERIP	HM	312° (316.4° T)	1MIN / -	L	5000	-	190	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
RW21	431726.09N	0164103.82E
HUM	431713.88N	0164042.42E
PERIP	430515.3N	0165031.1E
SAJLO	432005.0N	0164336.8E
SB407	431436.1N	0163820.3E
SB408	431411.9N	0164719.4E
SB409	432048.4N	0165249.7E
SB410	432237.2N	0164603.6E

CHANGE: TMAs classification vertical limits; Parachute activity zones added; Editorial.

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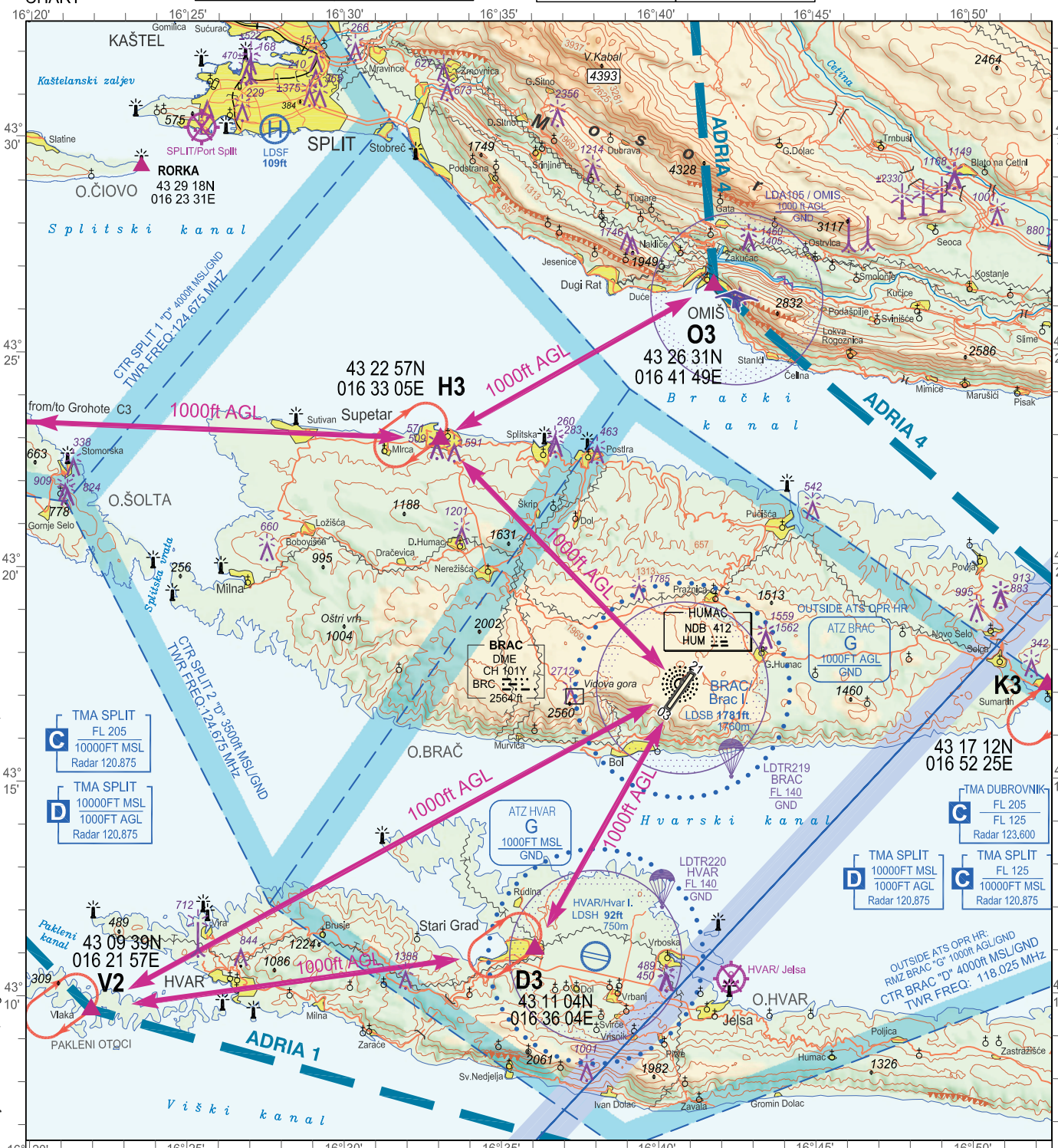
VISUAL OPERATION CHART

BRAC / Brac I. (LDSB)

AD ELEV 1781	ARP 43°17'09"N 016°40'47"E

SPLIT RADAR 120.875	BRAC TOWER 118.025 BRAC RADIO 118.025



Reporting Point	Definition
C3	Village Grohote
D3	Town Stari Grad
H3	Town Supetar
K3	Town Sumartin
O3	Town Omiš
V2	Village Vlaka

Two-way radio communication required.
Contact Tower normally at reporting points or any other point but not later than 5min prior to entering CTR/RMZ.

ALTITUDES AND ELEVATIONS IN FT

VAR 4°E 2019

SCALE 1:250 000

km 0 5 10
NM 0 5

(m)	ft	ELEVATION TINTS
(1600)	5250	
(1200)	3937	
(800)	2625	
(400)	1313	
(0)	0	

LEGEND

- Holding fix with WGS-84 coordinates — D3 43 11 04N 016 36 04E
- Significant VFR point — O3
- Recommended VFR route — ADRIA1
- Mandatory (arrival - departure) VFR route

ATTENTION:
For latest information consult relevant publications, and NOTAMs!
Prominent transmission lines data not complete!
No guarantee for the completeness and accuracy of obstacles!

CHANGE: TMAs classification vertical limits; Parachute activity zones added; Flight altitude of recommended VFR routes removed; Editorial.

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

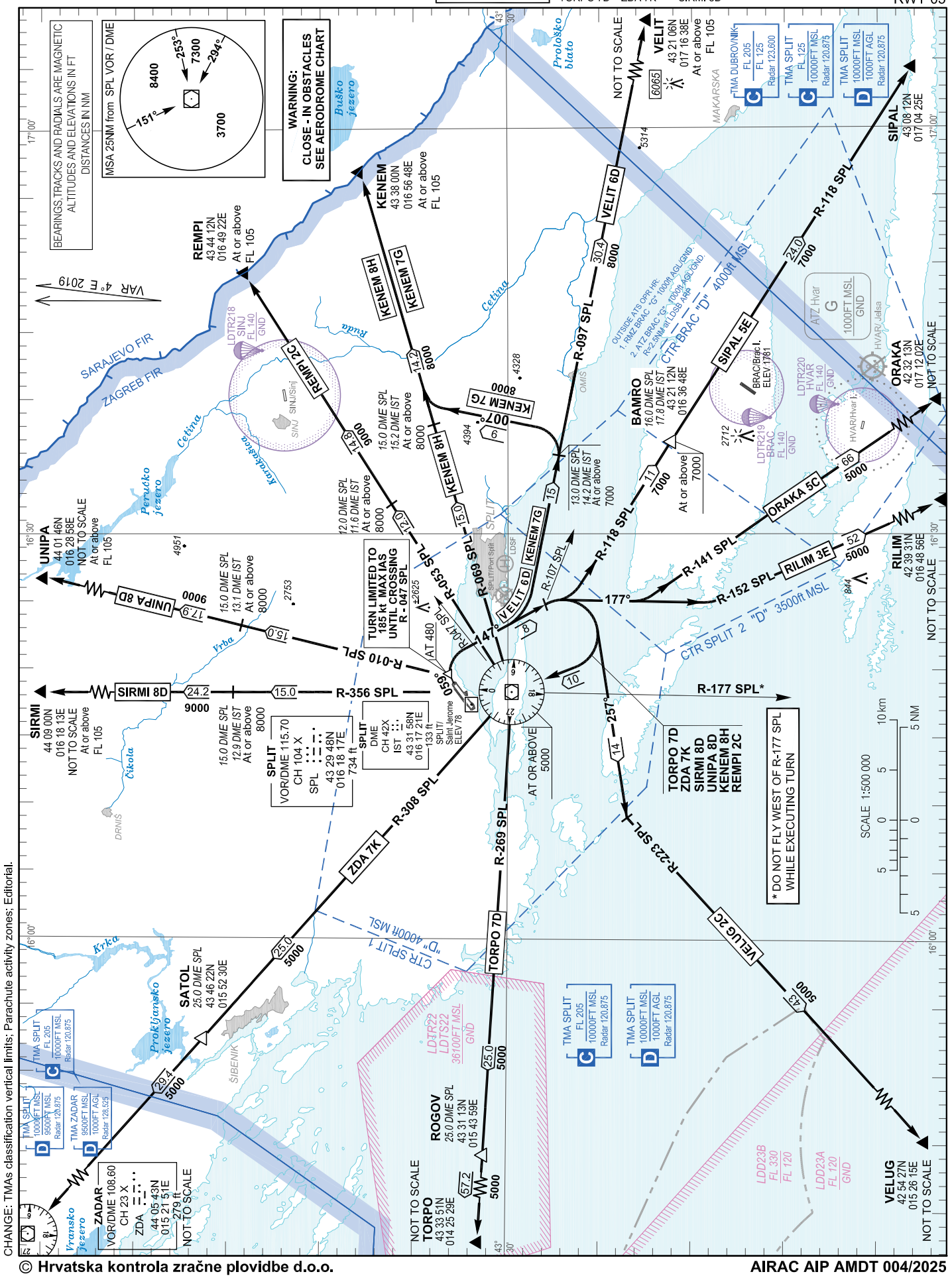
TRANSITION ALTITUDE
10 000

SPLIT ATIS	125.300
SPLIT TOWER	124.675
SPLIT RADAR	120.875

UNIPA 8D · KENEM 7G · ORAKA 5C · TORPO 7D
REMPI 2C · VELIT 6D · RILIM 3E · ZDA 7K
KENEM 8H · SIPAL 5E · VELUG 2C · SIRMI 8D

SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)

RWY 05



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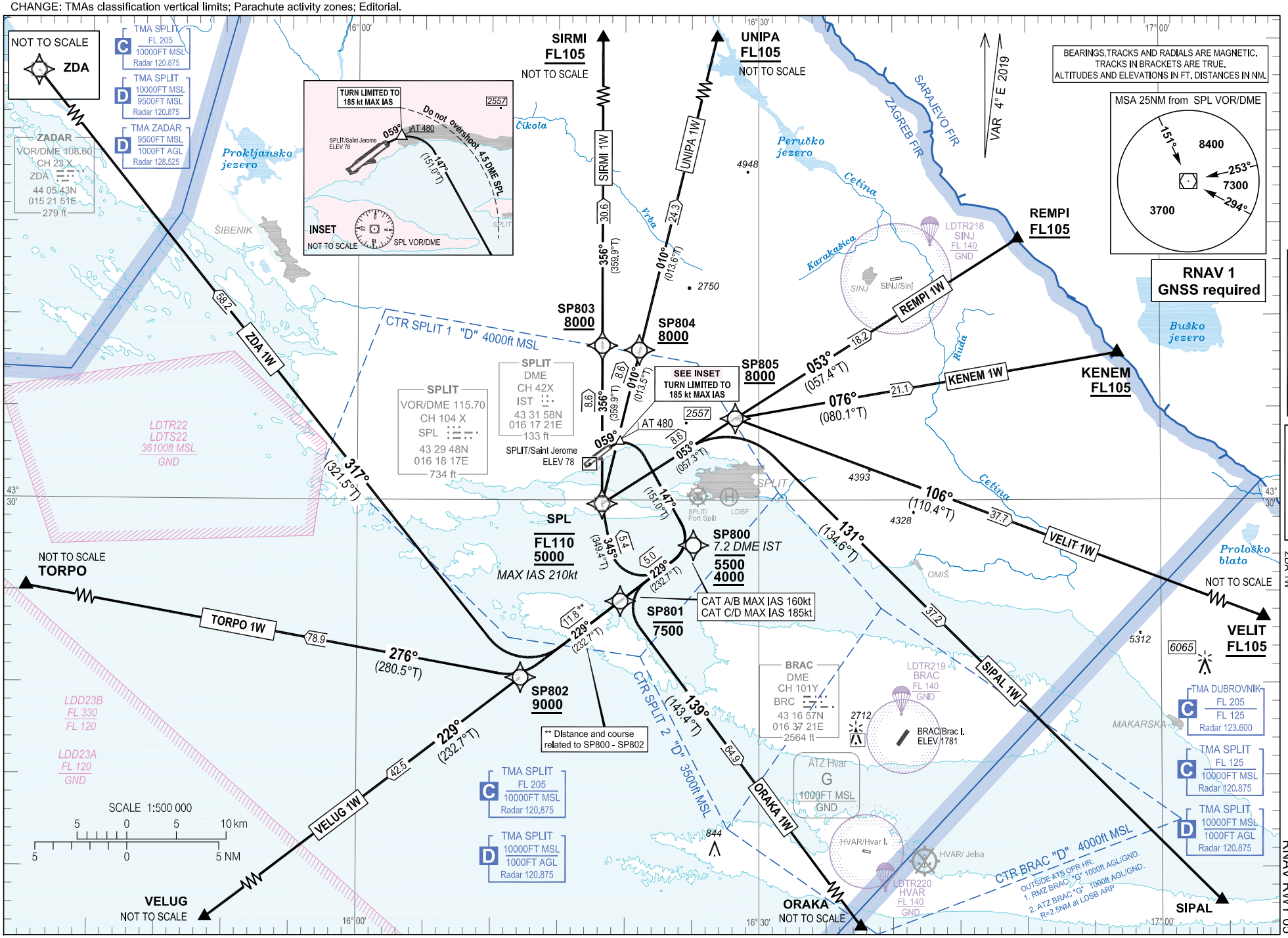
CHANGE: TMAs classification vertical limits; Parachute activity zones; Editorial.



TRANSITION ALTITUDE
10 000

SPLIT ATIS	125.300
SPLIT TOWER	124.675
SPLIT RADAR	120.875

SIRMI 1W
KENEM 1W
ORAKA 1W
ZDA 1W
UNIPA 1W
VELIT 1W
VELUG 1W
REMPI 1W
SIPAL 1W
TORPO 1W

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)

RNAV RWY 05

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SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)
RNAV RWY 05

SIRMI 1W UNIPA 1W REMPI 1W
KENEM 1W VELIT 1W SIPAL 1W
ORAKA 1W VELUG 1W TORPO 1W
ZDA 1W

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

- Calculation of the SIDs is based on all-engines operative minimum net climb gradient of 7.4 per cent (450 FT/NM). Assume minimum net climb gradient of 3.3 per cent (201 FT/NM) after passing 4000 FT.
- After take-off climb initially 5000 FT and contact Split Radar on 120.875 MHz.
- Caution: Close-in obstacles on and left of RCL up to 148 FT AMSL.

WARNING 1: CAT C and D minimum bank angle 20°.

WARNING 2

Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID(s) SIRMI 1W, UNIPA 1W, REMPI 1W, KENEM 1W, VELIT 1W, SIPAL 1W, ORAKA 1W, VELUG 1W, TORPO 1W, ZDA 1W only:

Climb on track 059°. At 480 FT turn RIGHT (for CAT C and D, bank angle minimum 20°) on track 147° climbing to 7.2 DME IST (SP800). After crossing 7.2 DME IST (SP800) proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction.
MAX IAS 185 kt until 7.2 DME IST (SP800). Cross 7.2 DME IST (SP800) at or above 4000 FT.

LDSP RNAV STANDARD INSTRUMENT DEPARTURE RWY 05

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SIRMI 1W	CA	-	-	059° (062.6°T)	4°E	-	-	@480	-	See WARNING 1 & 2.	
020		CF	SP800	-	147° (151.0°T)	4°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP801	-	229° (232.7°T)	4°E	5.0	-	-7500	-160 (CAT A/B) -185 (CAT C/D)		
040		TF	SPL	-	345° (349.4°T)	4°E	5.4	R	-FL110 +5000	-210		RNAV 1
050		TF	SP803	-	356° (359.9°T)	4°E	8.6	-	+8000	-		
060		TF	SIRMI	-	356° (359.9°T)	4°E	30.6	-	+FL105	-		
010	UNIPA 1W	CA	-	-	059° (062.6°T)	4°E	-	-	@480	-	See WARNING 1 & 2.	
020		CF	SP800	-	147° (151.0°T)	4°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP801	-	229° (232.7°T)	4°E	5.0	-	-7500	-160 (CAT A/B) -185 (CAT C/D)		
040		TF	SPL	-	345° (349.4°T)	4°E	5.4	R	-FL110 +5000	-210		RNAV 1
050		TF	SP804	-	010° (013.5°T)	4°E	8.6	-	+8000	-		
060		TF	UNIPA	-	010° (013.6°T)	4°E	24.3	-	+FL105	-		
010	REMPI 1W	CA	-	-	059° (062.6°T)	4°E	-	-	@480	-	See WARNING 1 & 2.	
020		CF	SP800	-	147° (151.0°T)	4°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP801	-	229° (232.7°T)	4°E	5.0	-	-7500	-160 (CAT A/B) -185 (CAT C/D)		
040		TF	SPL	-	345° (349.4°T)	4°E	5.4	R	-FL110 +5000	-210		RNAV 1
050		TF	SP805	-	053° (057.3°T)	4°E	8.6	-	+8000	-		
060		TF	REMPI	-	053° (057.4°T)	4°E	18.2	-	+FL105	-		

CHANGE: TMAs classification vertical limits; Parachute activity zones; Editorial.

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SIRMI 1W UNIPA 1W REMPI 1W
KENEM 1W VELIT 1W SIPAL 1W
ORAKA 1W VELUG 1W TORPO 1W
ZDA 1W

SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)

RNAV RWY 05

LDSP RNAV STANDARD INSTRUMENT DEPARTURE RWY 05

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	KENEM 1W	CA	-	-	059° (062.6°T)	4°E	-	-	@480	-	See WARNING 1 & 2.	
020		CF	SP800	-	147° (151.0°T)	4°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP801	-	229° (232.7°T)	4°E	5.0	-	-7500	-160 (CAT A/B) -185 (CAT C/D)		
040		TF	SPL	-	345° (349.4°T)	4°E	5.4	R	-FL110 +5000	-210		RNAV 1
050		TF	SP805	-	053° (057.3°T)	4°E	8.6	-	+8000	-		
060		TF	KENEM	-	076° (080.1°T)	4°E	21.1	-	+FL105	-		
010	VELIT 1W	CA	-	-	059° (062.6°T)	4°E	-	-	@480	-	See WARNING 1 & 2.	
020		CF	SP800	-	147° (151.0°T)	4°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP801	-	229° (232.7°T)	4°E	5.0	-	-7500	-160 (CAT A/B) -185 (CAT C/D)		
040		TF	SPL	-	345° (349.4°T)	4°E	5.4	R	-FL110 +5000	-210		RNAV 1
050		TF	SP805	-	053° (057.3°T)	4°E	8.6	-	+8000	-		
060		TF	VELIT	-	106° (110.4°T)	4°E	37.7	-	+FL105	-		
010	SIPAL 1W	CA	-	-	059° (062.6°T)	4°E	-	-	@480	-	See WARNING 1 & 2.	
020		CF	SP800	-	147° (151.0°T)	4°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP801	-	229° (232.7°T)	4°E	5.0	-	-7500	-160 (CAT A/B) -185 (CAT C/D)		
040		TF	SPL	-	345° (349.4°T)	4°E	5.4	R	-FL110 +5000	-210		RNAV 1
050		TF	SP805	-	053° (057.3°T)	4°E	8.6	-	+8000	-		
060		TF	SIPAL	-	131° (134.6°T)	4°E	37.2	-	-	-		
010	ORAKA 1W	CA	-	-	059° (062.6°T)	4°E	-	-	@480	-	See WARNING 1 & 2.	
020		CF	SP800	-	147° (151.0°T)	4°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP801	-	229° (232.7°T)	4°E	5.0	-	-7500	-160 (CAT A/B) -185 (CAT C/D)		RNAV 1
040		TF	ORAKA	-	139° (143.4°T)	4°E	64.9	-	-	-		

CHANGE: TMAs classification vertical limits; Parachute activity zones; Editorial.

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SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)
RNAV RWY 05

SIRMI 1W UNIPA 1W REMPI 1W
KENEM 1W VELIT 1W SIPAL 1W
ORAKA 1W VELUG 1W TORPO 1W
ZDA 1W

LDSP RNAV STANDARD INSTRUMENT DEPARTURE RWY 05

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	VELUG 1W	CA	-	-	059° (062.6°T)	4°E	-	-	@480	-	See WARNING 1 & 2.	
020		CF	SP800	-	147° (151.0°T)	4°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP802	-	229° (232.7°T)	4°E	11.8	-	+9000	-		RNAV 1
040		TF	VELUG	-	229° (232.7°T)	4°E	42.5	-	-	-		
010	TORPO 1W	CA	-	-	059° (062.6°T)	4°E	-	-	@480	-	See WARNING 1 & 2.	
020		CF	SP800	-	147° (151.0°T)	4°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP802	-	229° (232.7°T)	4°E	11.8	-	+9000	-		RNAV 1
040		TF	TORPO	-	276° (280.5°T)	4°E	78.9	-	-	-		
010	ZDA 1W	CA	-	-	059° (062.6°T)	4°E	-	-	@480	-	See WARNING 1 & 2.	
020		CF	SP800	-	147° (151.0°T)	4°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP802	-	229° (232.7°T)	4°E	11.8	-	+9000	-		RNAV 1
040		TF	ZDA	-	317° (321.5°T)	4°E	58.2	-	-	-		

Waypoint coordinates		
Waypoint name	wgs-84 latitude	wgs-84 longitude
KENEM	433800N	0165648E
ORAKA	423213N	0171202E
REMPI	434412N	0164922E
SIPAL	430812N	0170425E
SIRMI	440900N	0161813E
TORPO	433351N	0142529E
UNIPA	440146N	0162858E
VELIT	432106N	0171638E
VELUG	425427N	0152615E
SPL	432947.69N	0161817.00E
ZDA	440543.16N	0152151.22E

Waypoint name	wgs-84 latitude	wgs-84 longitude
SP800	432732.4N	0162506.3E
SP801	432430.2N	0161938.9E
SP802	432021.0N	0161212.7E
SP803	433823.5N	0161816.0E
SP804	433809.2N	0162103.3E
SP805	433425.8N	0162814.0E

CHANGE: TMAs classification vertical limits; Parachute activity zones; Editorial.

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

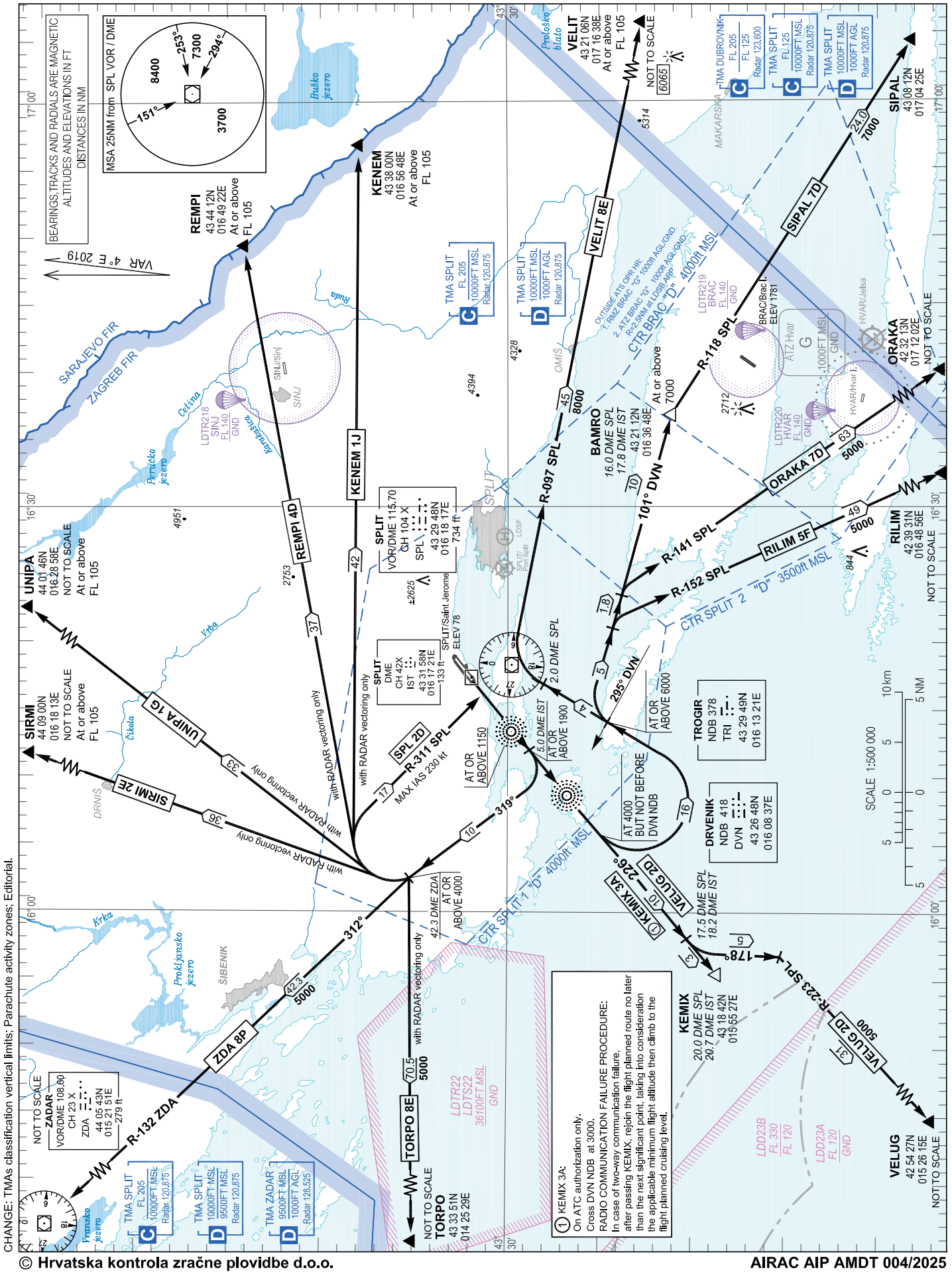
TRANSITION ALTITUDE
10 000

SPLIT ATIS	125.300
SPLIT TOWER	124.675
SPLIT RADAR	120.875

KEMIX 3A, UNIPA 1G, VELIT 8E, RILIM 5F, ZDA 8P, REMPI 4D, SIPAL 7D, KENEM 1J, ORAKA 7D, TORPO 8E, SIRMI 2E, VELUG 2D, SPL 2D

SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)

RWY 23



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CHANGE: TMAs classification vertical limits; Parachute activity zones; Editorial.

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)

RNAV RWY 23

TRANSITION ALTITUDE
10 000

SPLIT ATIS 125.300
SPLIT RADAR 120.875
SPLIT TOWER 124.675

ZDA 1V SIRMI 1V
REMPI 1V VELUG 1V
UNIPA 1V
TORPO 1V

BEARINGS,TRACKS AND RADIALS ARE MAGNETIC.
TRACKS IN BRACKETS ARE TRUE.
ALTITUDES AND ELEVATIONS IN FT. DISTANCES IN NM.

NOT TO SCALE
ZDA

ZADAR
VOR/DME 108.60
CH 23 X
ZDA
44 05 43N
015 21 51E
279 ft

CTR ZADAR "D"
4000ft MSL

ZDA 1V
42.9
314°
(318.4°T)

TORPO
NOT TO SCALE

TORPO 1V
75.4
272°
(275.9°T)

VELUG
VELUG 1V
44.8
220°
(224.0°T)

NOT TO SCALE
SIRMI
FL105

SIRMI 1V
10.7
017°
(021.3°T)

SP905
FL110

SP904
FL110

UNIPA
FL105

UNIPA 1V
12.2
040°
(043.9°T)

SIRMI 1V
16.9
017°
(021.2°T)

UNIPA 1V
13.5
040°
(043.8°T)

SP902
9000

084°
(088.1°T)
14.3
REMPI 1V

SP903
FL110

084°
(088.4°T)
18.3
REMPI 1V

REMPI
FL105

SP901
MAX IAS 250kt
4000

9.8
009°
(012.6°T)

8.7
319°
(323.0°T)

8.0
227°
(230.5°T)

DVN
3000

MSA 25NM from SPL VOR / DME
151°
8400
253°
7300
294°
3700

RNAV 1
GNSS required

CTR SPLIT 1 "D" 4000ft MSL

CTR SPLIT 2 "D"
3500ft MSL

CTR BRAC "D"
4000ft MSL
OUTSIDE ATS GPR HR:
1. RMZ BRAC "G" 1000ft AGL/GND.
2. ATZ BRAC "G" 1000ft AGL/GND.
R=2.5NM at LDSB ARP

SPLIT
DME
CH 42X
IST
43 31 58N
016 17 21E
133 ft

SPLIT/Saint Jerome
ELEV 78

SPLIT
VOR/DME 115.70
CH 104 X
SPL
43 29 48N
016 18 17E
734 ft

DRVENIK
NDB 418
DVN
43 26 48N
016 08 37E

BRAC
DME
CH 101 Y
BRC
43 16 57N
016 37 21E
2564 ft

BRAC/Brac I.
ELEV 1781

LDTR218
SINJ
FL 140
GND

LDTR219
BRAC
FL 140
GND

TMA SPLIT
C FL 205
FL 155
Radar 120.875

TMA SPLIT
C 10000FT MSL
9500FT MSL
Radar 120.875

TMA SPLIT
D 10000FT MSL
9500FT MSL
1000FT AGL
Radar 128.525

TMA ZADAR
D 9500FT MSL
1000FT AGL
Radar 128.525

TMA ZADAR
C FL 155
10000FT MSL
Radar 128.525

TMA ZADAR
D 10000FT MSL
1000FT AGL
Radar 128.525

TMA SPLIT
C FL 205
10000FT MSL
Radar 120.875

TMA SPLIT
D 10000FT MSL
1000FT AGL
Radar 120.875

TMA DUBROVNIK
C FL 205
FL 125
Radar 123.600

TMA SPLIT
C FL 125
10000FT MSL
Radar 120.875

TMA SPLIT
D 10000FT MSL
1000FT AGL
Radar 120.875

LDTR20
LDTS20
9850FT MSL
GND

LDTR29B
FL 330
FL 120

LDTR29A
FL 120
GND

LDTR23
LDTS23
16400ft MSL
GND

LDTR19B
LDTS19B
FL 330
FL 120

LDTR19A
LDTS19A
FL 120
GND

LDTR22
LDTS22
36100ft MSL
GND

LDD23B
FL 330
FL 120

LDD23A
FL 120
GND

VAR 4° E 2019

SCALE 1:500 000
5 0 5 10 km
5 0 5 NM

Vransko j.
Prokljansko jezero
Krka
Peručko jezero
SARAJEVO FIR
ZAGREB FIR
Cetina
Vrlika
Karakašica
Ruda
DRNIŠ
ŠIBENIK
SINJ
SPLIT
OMIŠ
5050
4948
4393
4328
2712
2750

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SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)

RNAV RWY 23

ZDA 1V SIRMI 1V UNIPA 1V
REMPI 1V VELUG 1V TORPO 1V

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

- Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 6.4 per cent (389 FT/NM). Assume minimum net climb gradient of 3.3 per cent (201 FT/MIN) after passing 400 FT AMSL.
- After take-off climb initially 5000 FT and contact Split Radar on 120.875 MHZ.

LDSP RNAV STANDARD INSTRUMENT DEPARTURE RWY 23

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	ZDA 1V	CF	DVN	-	227° (230.5°T)	4°E	8.0	-	+3000	-	-	
020		TF	SP901	-	319° (323.0°T)	4°E	8.7	-	+4000	-250		RNAV 1
030		TF	ZDA	-	314° (318.4°T)	4°E	42.9	-	-	-		
010	SIRMI 1V	CF	DVN	-	227° (230.5°T)	4°E	8.0	-	+3000	-	-	
020		TF	SP901	-	319° (323.0°T)	4°E	8.7	-	+4000	-250		
030		TF	SP902	-	009° (012.6°T)	4°E	9.8	-	-9000	-		RNAV 1
040		TF	SP905	-	017° (021.2°T)	4°E	16.9	-	-FL110	-		
050		TF	SIRMI	-	017° (021.3°T)	4°E	10.7	-	+FL105	-		
010	UNIPA 1V	CF	DVN	-	227° (230.5°T)	4°E	8.0	-	+3000	-	-	
020		TF	SP901	-	319° (323.0°T)	4°E	8.7	-	+4000	-250		
030		TF	SP902	-	009° (012.6°T)	4°E	9.8	-	-9000	-		RNAV 1
040		TF	SP904	-	040° (043.8°T)	4°E	13.5	-	-FL110	-		
050		TF	UNIPA	-	040° (043.9°T)	4°E	12.2	-	+FL105	-		
010	REMPI 1V	CF	DVN	-	227° (230.5°T)	4°E	8.0	-	+3000	-	-	
020		TF	SP901	-	319° (323.0°T)	4°E	8.7	-	+4000	-250		
030		TF	SP902	-	009° (012.6°T)	4°E	9.8	-	-9000	-		RNAV 1
040		TF	SP903	-	084° (088.1°T)	4°E	14.3	-	-FL110	-		
050		TF	REMPI	-	084° (088.4°T)	4°E	18.3	-	+FL105	-		
010	VELUG 1V	CF	DVN	-	227° (230.5°T)	4°E	8.0	-	+3000	-	-	
020		TF	VELUG	-	220° (224.0°T)	4°E	44.8	-	-	-		RNAV 1
010	TORPO 1V	CF	DVN	-	227° (230.5°T)	4°E	8.0	-	+3000	-	-	
020		TF	TORPO	-	272° (275.9°T)	4°E	75.4	-	-	-		RNAV 1

CHANGE: TMAs classification vertical limits; Parachute activity zones; Editorial.

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Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
DVN	432648.24N	0160837.08E
ZDA	440543.16N	0152151.22E
REMPI	434412N	0164922E
SIRMI	440900N	0161813E
TORPO	433351N	0142529E
UNIPA	440146N	0162858E
VELUG	425427N	0152615E
SP901	433344.5N	0160125.4E
SP902	434316.4N	0160421.0E
SP903	434342.8N	0162405.8E
SP904	435259.8N	0161714.6E
SP905	435900.7N	0161248.2E

CHANGE: TMAs classification vertical limits; Parachute activity zones; Editorial.

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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

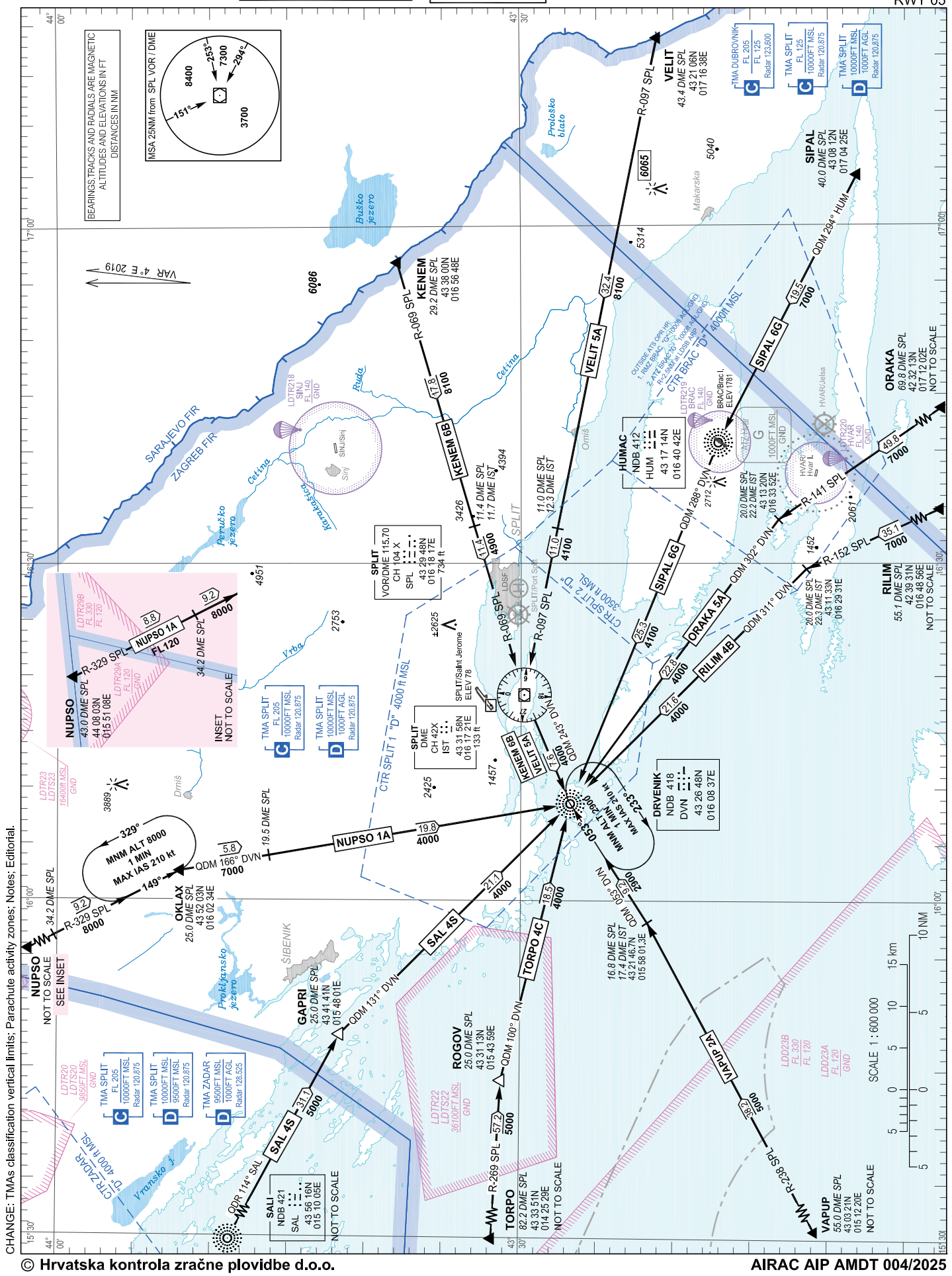
TRANSITION ALTITUDE
10 000

SPLIT ATIS	125.300
SPLIT RADAR	120.875
SPLIT TOWER	124.675

NUPSO 1A KENEM 6B VELIT 5A
SIPAL 6G ORAKA 5A RILIM 4B
VAPUP 2A TORPO 4C SAL 4S

SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)

RWY 05



CHANGE: TMAs classification vertical limits; Parachute activity zones; Notes; Editorial.

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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

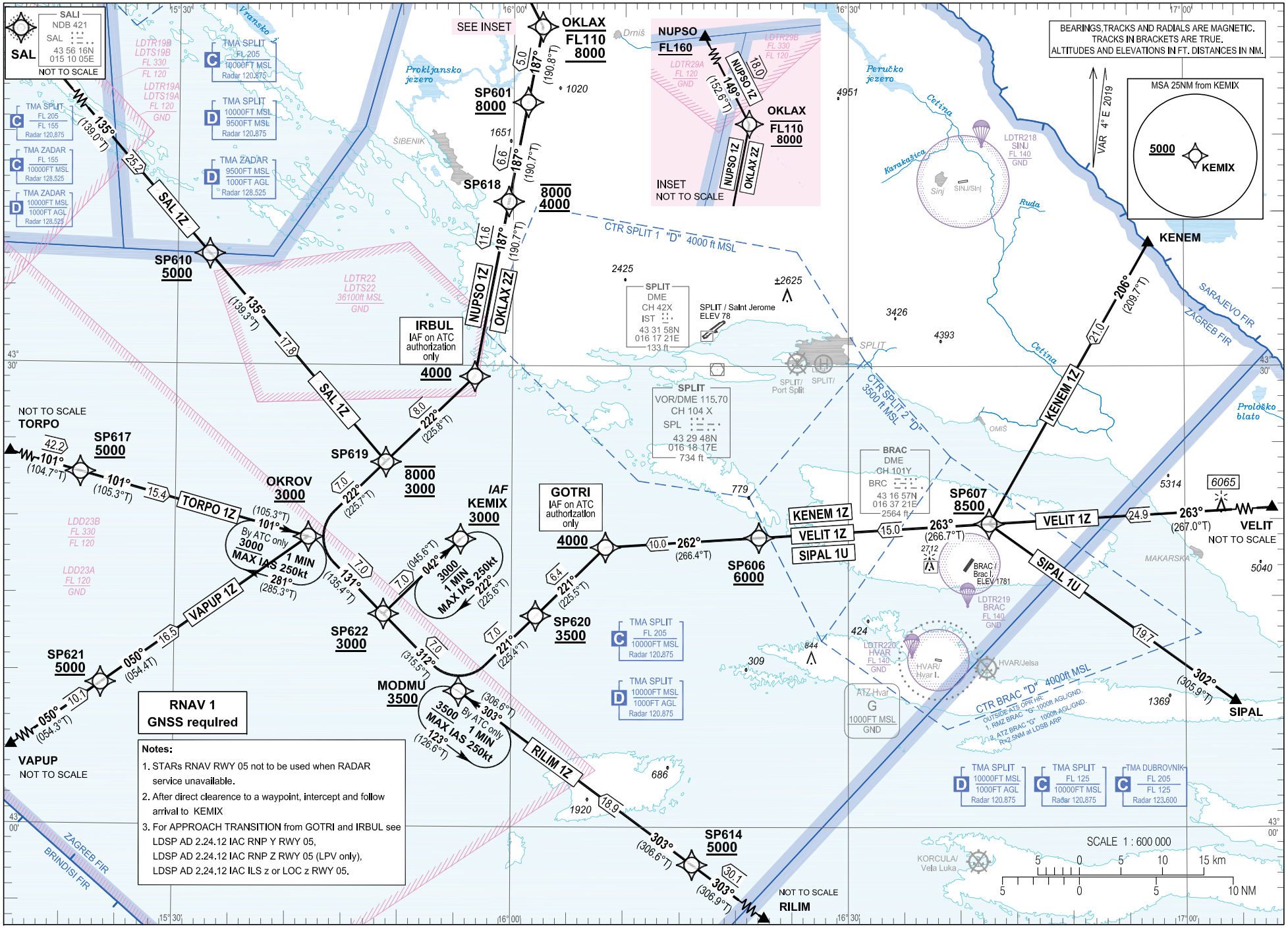
SPLIT ATIS	125.300
SPLIT RADAR	120.875
SPLIT TOWER	124.675

SAL 1Z	OKLAX 2Z	NUPSO 1Z	
KENEM 1Z	VELIT 1Z	SIPAL 1U	
RILIM 1Z	VAPUP 1Z	TORPO 1Z	

LDSP AD 2.24.10 STAR RNAV RWY 05 -1
15 MAY 2025

SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)
RNAV RWY 05

CHANGE: TMA classification vertical limits; Parachute activity zones added; KEMIX HLDG speed limitation added; Coding tables updated; Notes; Editorial.



RNAV 1
GNSS required

Notes:

1. STARs RNAV RWY 05 not to be used when RADAR service unavailable.
2. After direct clearence to a waypoint, intercept and follow arrival to KEMIX
3. For APPROACH TRANSITION from GOTRI and IRBUL see LDSP AD 2.24.12 IAC RNP Y RWY 05, LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only), LDSP AD 2.24.12 IAC ILS z or LOC z RWY 05.

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SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)

SAL 1Z OKLAX 2Z NUPSO 1Z
KENEM 1Z VELIT 1Z SIPAL 1U
RILIM 1Z VAPUP 1Z TORPO 1Z

RNAV RWY 05

LDSP RNAV STANDARD ARRIVAL RWY 05

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SAL 1Z	IF	SAL	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	SP610	-	135° (139.0°T)	4°E	25.2	-	+5000	-	-	
030		TF	SP619	-	135° (139.3°T)	4°E	17.8	-	-8000 +3000	-	-	
040		TF	OKROV	-	222° (225.7°T)	4°E	7.0	-	+3000	-	-	
050		TF	SP622	-	131° (135.4°T)	4°E	7.0	-	+3000	-	-	
060		TF	KEMIX	-	042° (045.6°T)	4°E	7.0	-	+3000	-	IAF	
010	OKLAX 2Z	IF	OKLAX	-	-	4°E	-	-	-FL110 +8000	-	-	RNAV 1
020		TF	SP601	-	187° (190.8°T)	4°E	5.0	-	+8000	-	-	
030		TF	SP618	-	187° (190.7°T)	4°E	6.6	-	-8000 +4000	-	-	
040		TF	IRBUL	-	187° (190.7°T)	4°E	11.6	-	+4000	-	IAF on ATC authorization only	
050		TF	SP619	-	222° (225.8°T)	4°E	8.0	-	-8000 +3000	-	-	
060		TF	OKROV	-	222° (225.7°T)	4°E	7.0	-	+3000	-	-	
070		TF	SP622	-	131° (135.4°T)	4°E	7.0	-	+3000	-	-	
080		TF	KEMIX	-	042° (045.6°T)	4°E	7.0	-	+3000	-	IAF	
010	NUPSO 1Z	IF	NUPSO	-	-	4°E	-	-	+FL160	-	-	RNAV 1
020		TF	OKLAX	-	149° (152.6°T)	4°E	18.0	-	-FL110 +8000	-	-	
030		TF	SP601	-	187° (190.8°T)	4°E	5.0	-	+8000	-	-	
040		TF	SP618	-	187° (190.7°T)	4°E	6.6	-	-8000 +4000	-	-	
050		TF	IRBUL	-	187° (190.7°T)	4°E	11.6	-	+4000	-	IAF on ATC authorization only	
060		TF	SP619	-	222° (225.8°T)	4°E	8.0	-	-8000 +3000	-	-	
070		TF	OKROV	-	222° (225.7°T)	4°E	7.0	-	+3000	-	-	
080		TF	SP622	-	131° (135.4°T)	4°E	7.0	-	+3000	-	-	
090		TF	KEMIX	-	042° (045.6°T)	4°E	7.0	-	+3000	-	IAF	

CHANGE: TMA classification vertical limits; Parachute activity zones added; KEMIX HLDG speed limitation added; Coding tables updated; Notes; Editorial.

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LDSP RNAV STANDARD ARRIVAL RWY 05

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	KENEM 1Z	IF	KENEM	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	SP607	-	206° (209.7°T)	4°E	21.0	-	+8500	-	-	
030		TF	SP606	-	263° (266.7°T)	4°E	15.0	-	+6000	-	-	
040		TF	GOTRI	-	262° (266.4°T)	4°E	10.0	-	+4000	-	IAF on ATC authorization only	
050		TF	SP620	-	221° (225.5°T)	4°E	6.4	-	+3500	-	-	
060		TF	MODMU	-	221° (225.4°T)	4°E	7.0	-	+3500	-	-	
070		TF	SP622	-	312° (315.5°T)	4°E	7.0	-	+3000	-	-	
080		TF	KEMIX	-	042° (045.6°T)	4°E	7.0	-	+3000	-	IAF	
010	VELIT 1Z	IF	VELIT	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	SP607	-	263° (267.0°T)	4°E	24.9	-	+8500	-	-	
030		TF	SP606	-	263° (266.7°T)	4°E	15.0	-	+6000	-	-	
040		TF	GOTRI	-	262° (266.4°T)	4°E	10.0	-	+4000	-	IAF on ATC authorization only	
050		TF	SP620	-	221° (225.5°T)	4°E	6.4	-	+3500	-	-	
060		TF	MODMU	-	221° (225.4°T)	4°E	7.0	-	+3500	-	-	
070		TF	SP622	-	312° (315.5°T)	4°E	7.0	-	+3000	-	-	
080		TF	KEMIX	-	042° (045.6°T)	4°E	7.0	-	+3000	-	IAF	
010	SIPAL 1U	IF	SIPAL	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	SP607	-	302° (305.9°T)	4°E	19.7	-	+8500	-	-	
030		TF	SP606	-	263° (266.7°T)	4°E	15.0	-	+6000	-	-	
040		TF	GOTRI	-	262° (266.4°T)	4°E	10.0	-	+4000	-	IAF on ATC authorization only	
050		TF	SP620	-	221° (225.5°T)	4°E	6.4	-	+3500	-	-	
060		TF	MODMU	-	221° (225.4°T)	4°E	7.0	-	+3500	-	-	
070		TF	SP622	-	312° (315.5°T)	4°E	7.0	-	+3000	-	-	
080		TF	KEMIX	-	042° (045.6°T)	4°E	7.0	-	+3000	-	IAF	

CHANGE: TMA classification vertical limits; Parachute activity zones added; KEMIX HLDG speed limitation added; Coding tables updated; Notes; Editorial.

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SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)

SAL 1Z OKLAX 2Z NUPSO 1Z
KENEM 1Z VELIT 1Z SIPAL 1U
RILIM 1Z VAPUP 1Z TORPO 1Z

RNAV RWY 05

LDSP RNAV STANDARD ARRIVAL RWY 05

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	RILIM 1Z	IF	RILIM	-	-	4°E	-	-	-	-	-	
020		TF	SP614	-	303° (306.9°T)	4°E	30.1	-	+5000	-	-	
030		TF	MODMU	-	303° (306.6°T)	4°E	18.9	-	+3500	-	-	RNAV 1
040		TF	SP622	-	312° (315.5°T)	4°E	7.0	-	+3000	-	-	
050		TF	KEMIX	-	042° (045.6°T)	4°E	7.0	-	+3000	-	IAF	
010	VAPUP 1Z	IF	VAPUP	-	-	4°E	-	-	-	-	-	
020		TF	SP621	-	050° (054.3°T)	4°E	10.1	-	+5000	-	-	
030		TF	OKROV	-	050° (054.4°T)	4°E	16.5	-	+3000	-	-	RNAV 1
040		TF	SP622	-	131° (135.4°T)	4°E	7.0	-	+3000	-	-	
050		TF	KEMIX	-	042° (045.6°T)	4°E	7.0	-	+3000	-	IAF	
010	TORPO 1Z	IF	TORPO	-	-	4°E	-	-	-	-	-	
020		TF	SP617	-	101° (104.7°T)	4°E	42.2	-	+5000	-	-	
030		TF	OKROV	-	101° (105.3°T)	4°E	15.4	-	+3000	-	-	RNAV 1
040		TF	SP622	-	131° (135.4°T)	4°E	7.0	-	+3000	-	-	
050		TF	KEMIX	-	042° (045.6°T)	4°E	7.0	-	+3000	-	IAF	

IAF on ATC authorization only: For APPROACH TRANSITION from GOTRI and IRBUL see LDSP AD 2.24.12 IAC RNP Y RWY 05, LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only), LDSP AD 2.24.12 IAC ILS z or LOC z RWY 05.

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
KEMIX	HM	042° (045.6°T)	1MIN / -	R	3000	-	250	4°E	-	RNAV 1
OKROV	HM	101° (105.3°T)	1MIN / -	R	3000	-	250	4°E	HLDG by ATC only	RNAV 1
MODMU	HM	303° (306.6°T)	1MIN / -	L	3500	-	250	4°E	HLDG by ATC only	RNAV 1

CHANGE: TMA classification vertical limits; Parachute activity zones added; KEMIX HLDG speed limitation added; Coding tables updated; Notes; Editorial.

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Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
SAL	435616.30N	0151005.19E
GOTRI	431811.7N	0160821.4E
IRBUL	432917.5N	0155638.4E
KEMIX	431842.4N	0155526.9E
MODMU	430848.2N	0155520.2E
NUPSO	440803N	0155108E
OKROV	431848.1N	0154153.1E
KENEM	433800N	0165648E
OKLAX	435203N	0160234E
RILIM	423931N	0164856E
SIPAL	430812N	0170425E
TORPO	433351N	0142529E

Waypoint name	WGS-84 latitude	WGS-84 longitude
VAPUP	430321N	0151220E
VELIT	432106N	0171638E
SP601	434708.0N	0160117.2E
SP606	431849.9N	0162201.7E
SP607	431944.2N	0164232.8E
SP610	433710.7N	0153251.9E
SP614	425733.3N	0161606.9E
SP617	432254.6N	0152130.4E
SP618	434040.2N	0155935.9E
SP619	432341.6N	0154845.0E
SP620	431343.4N	0160208.8E
SP621	430913.4N	0152330.6E
SP622	431348.8N	0154836.6E

CHANGE: TMA classification vertical limits; Parachute activity zones added; KEMIX HLDG speed limitation added; Coding tables updated; Notes; Editorial.

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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

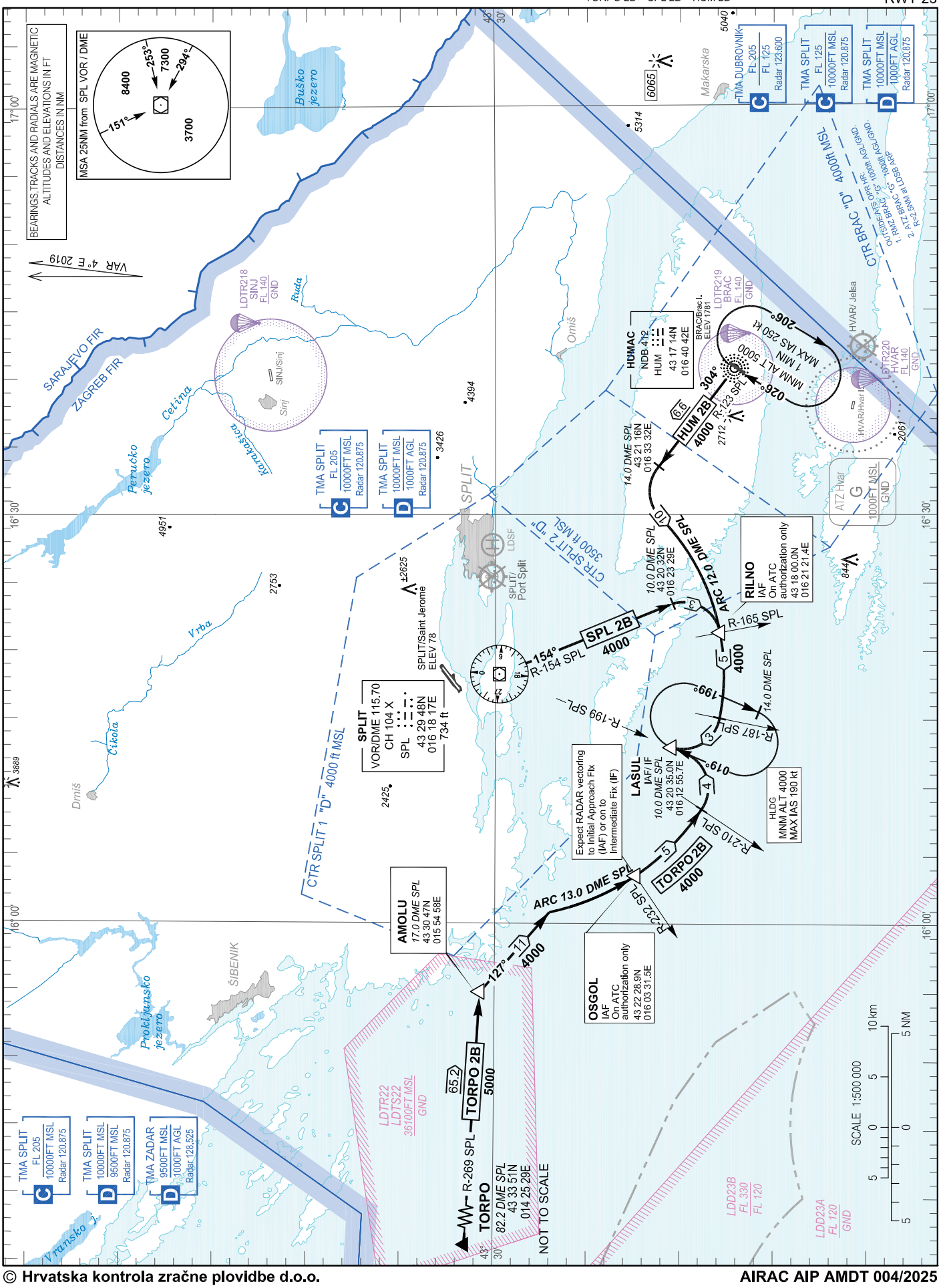
TRANSITION ALTITUDE
10 000

SPLIT ATIS	125.300
SPLIT TOWER	124.675
SPLIT RADAR	120.875

SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)

RWY 23

TORPO 2B SPL 2B HUM 2B



CHANGE: TMAs classification vertical limits; Parachute activity zones; Notes; Editorial.

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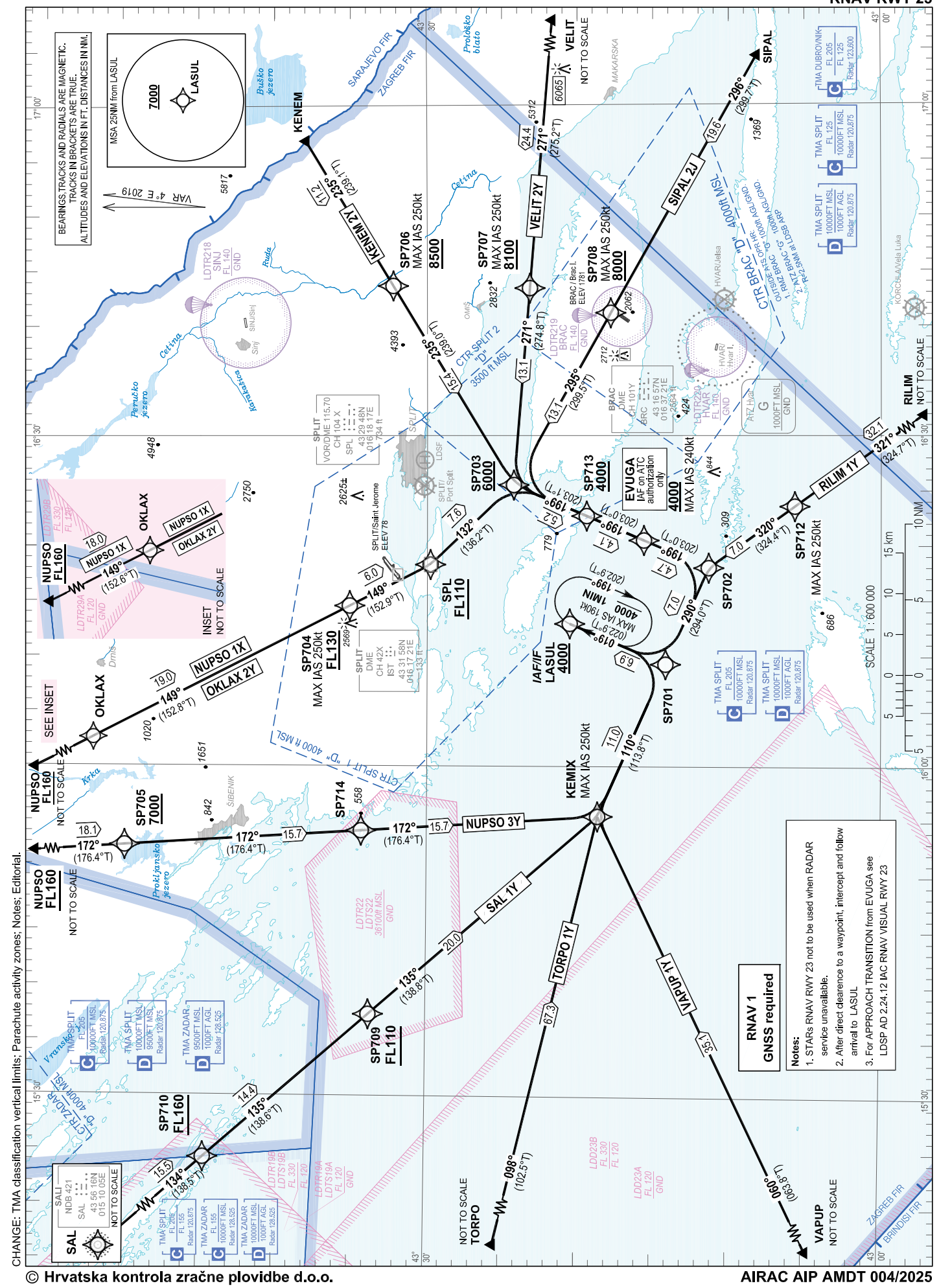
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

SPLIT ATIS	125.300
SPLIT RADAR	120.875
SPLIT TOWER	124.675

SAL 1Y NUPSO 3Y OKLAX 2Y
NUPSO 1X KENEM 2Y VELIT 2Y
SIPAL 2J RILIM 1Y VAPUP 1Y TORPO 1Y

SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)
RNAV RWY 23



CHANGE: TMA classification vertical limits; Parachute activity zones; Notes; Editorial.

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SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)

RNAV RWY 23

SAL 1Y NUPSO 3Y OKLAX 2Y
NUPSO 1X KENEM 2Y VELIT 2Y
SIPAL 2J RILIM 1Y VAPUP 1Y TORPO 1Y

LDSP RNAV STANDARD ARRIVAL RWY 23

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SAL 1Y	IF	SAL	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	SP710	-	134° (138.5°T)	4°E	15.5	-	+FL160	-	-	
030		TF	SP709	-	135° (138.6°T)	4°E	14.4	-	+FL110	-	-	
040		TF	KEMIX	-	135° (138.8°T)	4°E	20.0	-	-	-250	-	
050		TF	SP701	-	110° (113.8°T)	4°E	11.0	-	-	-	-	
060		TF	LASUL	-	019° (022.9°T)	4°E	6.9	L	+4000	-	IAF/IF	
010	NUPSO 3Y	IF	NUPSO	-	-	4°E	-	-	+FL160	-	-	RNAV 1
020		TF	SP705	-	172° (176.4°T)	4°E	18.1	-	+7000	-	-	
030		TF	SP714	-	172° (176.4°T)	4°E	15.7	-	-	-	-	
040		TF	KEMIX	-	172° (176.4°T)	4°E	15.7	-	-	-250	-	
050		TF	SP701	-	110° (113.8°T)	4°E	11.0	-	-	-	-	
060		TF	LASUL	-	019° (022.9°T)	4°E	6.9	L	+4000	-	IAF/IF	
010	OKLAX 2Y	IF	OKLAX	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	SP704	-	149° (152.8°T)	4°E	19.0	-	+FL130	-250	-	
030		TF	SPL	-	149° (152.9°T)	4°E	6.0	-	+FL110	-	-	
040		TF	SP703	-	132° (136.2°T)	4°E	7.6	-	+6000	-	-	
050		TF	SP713	-	199° (203.1°T)	4°E	5.2	-	+4000	-	-	
060		TF	EVUGA	-	199° (203.0°T)	4°E	4.1	-	+4000	-240	IAF on ATC authorization only	
070		TF	SP702	-	199° (203.0°T)	4°E	4.7	-	-	-	-	
080		TF	SP701	-	290° (294.0°T)	4°E	7.0	-	-	-	-	
090		TF	LASUL	-	019° (022.9°T)	4°E	6.9	-	+4000	-	IAF/IF	

CHANGE: TMA classification vertical limits; Parachute activity zones; Notes; Editorial.

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SAL 1Y NUPSO 3Y OKLAX 2Y
NUPSO 1X KENEM 2Y VELIT 2Y
SIPAL 2J RILIM 1Y VAPUP 1Y TORPO 1Y

SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)
RNAV RWY 23

LDSP RNAV STANDARD ARRIVAL RWY 23

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	NUPSO 1X	IF	NUPSO	-	-	4°E	-	-	+FL160	-	-	RNAV 1
020		TF	OKLAX	-	149° (152.6°T)	4°E	18.0	-	-	-	-	
030		TF	SP704	-	149° (152.8°T)	4°E	19.0	-	+FL130	-250	-	
040		TF	SPL	-	149° (152.9°T)	4°E	6.0	-	+FL110	-	-	
050		TF	SP703	-	132° (136.2°T)	4°E	7.6	-	+6000	-	-	
060		TF	SP713	-	199° (203.1°T)	4°E	5.2	-	+4000	-	-	
070		TF	EVUGA	-	199° (203.0°T)	4°E	4.1	-	+4000	-240	IAF on ATC authorization only	
080		TF	SP702	-	199° (203.0°T)	4°E	4.7	-	-	-	-	
090		TF	SP701	-	290° (294.0°T)	4°E	7.0	-	-	-	-	
100		TF	LASUL	-	019° (022.9°T)	4°E	6.9	-	+4000	-	IAF/IF	
010	KENEM 2Y	IF	KENEM	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	SP706	-	235° (239.1°T)	4°E	11.2	-	+8500	-250	-	
030		TF	SP703	-	235° (239.0°T)	4°E	15.4	-	+6000	-	-	
040		TF	SP713	-	199° (203.1°T)	4°E	5.2	-	+4000	-		
050		TF	EVUGA	-	199° (203.0°T)	4°E	4.1	-	+4000	-240	IAF on ATC authorization only	
060		TF	SP702	-	199° (203.0°T)	4°E	4.7	-	-	-	-	
070		TF	SP701	-	290° (294.0°T)	4°E	7.0	-	-	-	-	
080		TF	LASUL	-	019° (022.9°T)	4°E	6.9	-	+4000	-	IAF/IF	
010	VELIT 2Y	IF	VELIT	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	SP707	-	271° (275.2°T)	4°E	24.4	-	+8100	-250	-	
030		TF	SP703	-	271° (274.8°T)	4°E	13.1	-	+6000	-	-	
040		TF	SP713	-	199° (203.1°T)	4°E	5.2	-	+4000	-	-	
050		TF	EVUGA	-	199° (203.0°T)	4°E	4.1	-	+4000	-240	IAF on ATC authorization only	
060		TF	SP702	-	199° (203.0°T)	4°E	4.7	-	-	-	-	
070		TF	SP701	-	290° (294.0°T)	4°E	7.0	-	-	-	-	
080		TF	LASUL	-	019° (022.9°T)	4°E	6.9	-	+4000	-	IAF/IF	

CHANGE: TMA classification vertical limits; Parachute activity zones; Notes; Editorial.

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SPLIT/ Saint Jerome (LDSP)
RNAV RWY 23

SAL 1Y NUPSO 3Y OKLAX 2Y
NUPSO 1X KENEM 2Y VELIT 2Y
SIPAL 2J RILIM 1Y VAPUP 1Y TORPO 1Y

LDSP RNAV STANDARD ARRIVAL RWY 23

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SIPAL 2J	IF	SIPAL	-	-	4°E	-	-	-	-	-	
020		TF	SP708	-	296° (299.7°T)	4°E	19.6	-	+8000	-250	-	
030		TF	SP703	-	295° (299.5°T)	4°E	13.1	-	+6000	-	-	
040		TF	SP713	-	199° (203.1°T)	4°E	5.2	L	+4000	-	-	
050		TF	EVUGA	-	199° (203.0°T)	4°E	4.1	-	+4000	-240	IAF on ATC authorization only	RNAV 1
060		TF	SP702	-	199° (203.0°T)	4°E	4.7	-	-	-	-	
070		TF	SP701	-	290° (294.0°T)	4°E	7.0	-	-	-	-	
080		TF	LASUL	-	019° (022.9°T)	4°E	6.9	-	+4000	-	IAF/IF	
010	RILIM 1Y	IF	RILIM	-	-	4°E	-	-	-	-	-	
020		TF	SP712	-	321° (324.7°T)	4°E	32.1	-	-	-250	-	
030		TF	SP702	-	320° (324.4°T)	4°E	7.0	-	-	-	-	RNAV 1
040		TF	SP701	-	290° (294.0°T)	4°E	7.0	-	-	-	-	
050		TF	LASUL	-	019° (022.9°T)	4°E	6.9	-	+4000	-	IAF/IF	
010	VAPUP 1Y	IF	VAPUP	-	-	4°E	-	-	-	-	-	
020		TF	KEMIX	-	060° (063.8°T)	4°E	35.1	-	-	-250	-	
030		TF	SP701	-	110° (113.8°T)	4°E	11.0	-	-	-	-	RNAV 1
040		TF	LASUL	-	019° (022.9°T)	4°E	6.9	L	+4000	-	IAF/IF	
010	TORPO 1Y	IF	TORPO	-	-	4°E	-	-	-	-	-	
020		TF	KEMIX	-	098° (102.5°T)	4°E	67.3	-	-	-250	-	
030		TF	SP701	-	110° (113.8°T)	4°E	11.0	-	-	-	-	RNAV 1
040		TF	LASUL	-	019° (022.9°T)	4°E	6.9	L	+4000	-	IAF/IF	

IAF on ATC authorization only: For APPROACH TRANSITION from EVUGA see LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23

CHANGE: TMA classification vertical limits; Parachute activity zones; Notes; Editorial.

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SAL 1Y NUPSO 3Y OKLAX 2Y
NUPSO 1X KENEM 2Y VELIT 2Y
SIPAL 2J RILIM 1Y VAPUP 1Y TORPO 1Y

SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)

RNAV RWY 23

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
LASUL	HM	019° (022.9°T)	1 MIN / -	R	4000	-	190	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
SPL	432947.69N	0161817.00E
SAL	435616.30N	0151005.20E
EVUGA	431541.3N	0162030.1E
KEMIX	431842.4N	0155526.9E
KENEM	433800N	0165648E
LASUL	432035.0N	0161255.7E
NUPSO	440803N	0155108E
OKLAX	435202.8N	0160234.4E
RILIM	423931N	0164856E
SIPAL	430812N	0170425E
TORPO	433351N	0142529E
VAPUP	430321N	0151220E
VELIT	432106N	0171638E
SP701	431414.9N	0160915.7E
SP702	431124.1N	0161800.7E
SP703	432417.5N	0162531.0E
SP704	433507.8N	0161432.2E
SP705	434957.1N	0155244.1E
SP706	433214.9N	0164336.2E
SP707	432313.3N	0164322.8E
SP708	431752.7N	0164107.4E
SP709	433347.1N	0153724.0E
SP710	434437.7N	0152417.3E
SP712	430542.5N	0162334.9E
SP713	431928.5N	0162242.3E
SP714	433419.8N	0155405.9E

CHANGE: TMA classification vertical limits; Parachute activity zones; Notes; Editorial.

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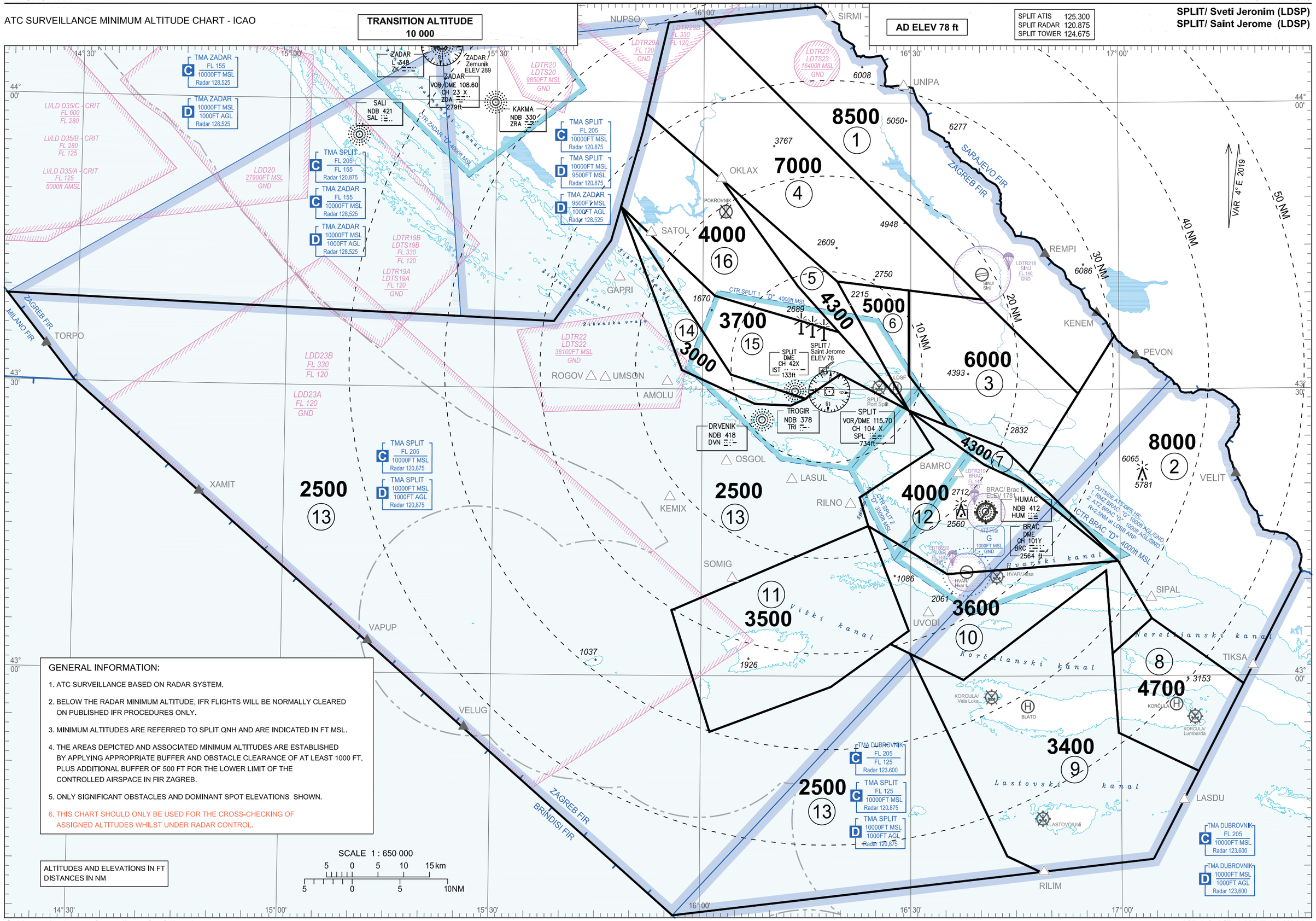
ATC SURVEILLANCE MINIMUM ALTITUDE CHART - ICAO

TRANSITION ALTITUDE
10 000

AD ELEV 78 ft

SPLIT ATIS 125.300
SPLIT RADAR 120.875
SPLIT TOWER 124.675

SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)



GENERAL INFORMATION:

1. ATC SURVEILLANCE BASED ON RADAR SYSTEM.
2. BELOW THE RADAR MINIMUM ALTITUDE, IFR FLIGHTS WILL BE NORMALLY CLEARED ON PUBLISHED IFR PROCEDURES ONLY.
3. MINIMUM ALTITUDES ARE REFERRED TO SPLIT QNH AND ARE INDICATED IN FT MSL.
4. THE AREAS DEPICTED AND ASSOCIATED MINIMUM ALTITUDES ARE ESTABLISHED BY APPLYING APPROPRIATE BUFFER AND OBSTACLE CLEARANCE OF AT LEAST 1000 FT, PLUS ADDITIONAL BUFFER OF 500 FT FOR THE LOWER LIMIT OF THE CONTROLLED AIRSPACE IN FIR ZAGREB.
5. ONLY SIGNIFICANT OBSTACLES AND DOMINANT SPOT ELEVATIONS SHOWN.
6. THIS CHART SHOULD ONLY BE USED FOR THE CROSS-CHECKING OF ASSIGNED ALTITUDES WHILST UNDER RADAR CONTROL.

ALTITUDES AND ELEVATIONS IN FT
DISTANCES IN NM

SCALE 1 : 650 000
5 0 5 10 15 km
5 0 5 10NM

CHANGE: TMAs classification vertical limits; Parachute activity zones; Editorial.

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LIST OF COORDINATES FOR
MINIMUM VECTORING ALTITUDE SECTORS

SECTOR 1	WGS-84 latitude	WGS-84 longitude
	441003N	0161628E
	along FIR BDRY Zagreb-Sarajeco	
	433536N	0165920E
	432932N	0165404E
	433924N	0164026E
	440844N	0155940E
	441003N	0161628E

SECTOR 2	WGS-84 latitude	WGS-84 longitude
	433536N	0165920E
	along FIR BDRY Zagreb-Sarajeco	
	431049N	0172551E
	425908N	0171730E
	430600N	0170427E
	431200N	0165942E
	432115N	0164655E
	432932N	0165404E
	433536N	0165920E

SECTOR 3	WGS-84 latitude	WGS-84 longitude
	434023N	0162943E
	433924N	0164026E
	432932N	0165404E
	432115N	0164655E
	432353N	0164315E
	432613N	0163513E
	433130N	0162943E
	434023N	0162943E

SECTOR 4	WGS-84 latitude	WGS-84 longitude
	440844N	0155940E
	433924N	0164026E
	434023N	0162943E
	434118N	0161923E
	435205N	0160228E
	435846N	0155146E
	440821N	0155450E
	440844N	0155940E

SECTOR 5	WGS-84 latitude	WGS-84 longitude
	435205N	0160228E
	434118N	0161923E
	432749N	0162943E
	433600N	0161938E
	434048N	0161343E
	435205N	0160228E

SECTOR 6	WGS-84 latitude	WGS-84 longitude
	434118N	0161923E
	434023N	0162943E
	433130N	0162943E
	432613N	0163513E
	432749N	0162943E
	434118N	0161923E

SECTOR 7	WGS-84 latitude	WGS-84 longitude
	432749N	0162943E
	432613N	0163513E
	432353N	0164315E
	432115N	0164655E
	431200N	0165942E
	432015N	0164604E
	432208N	0164033E
	432749N	0162943E

SECTOR 8	WGS-84 latitude	WGS-84 longitude
	430600N	0170427E
	425908N	0171730E
	425500N	0171433E
	425256N	0171305E
	425000N	0171101E
	425401N	0165939E
	430220N	0165850E
	430600N	0170427E

SECTOR 9	WGS-84 latitude	WGS-84 longitude
	425000N	0171101E
	424048N	0170431E
	423929N	0164827E
	424108N	0164343E
	430222N	0162952E
	425936N	0163731E
	431101N	0165758E
	430220N	0165850E
	425401N	0165939E
	425000N	0171101E

SECTOR 10	WGS-84 latitude	WGS-84 longitude
	430322N	0162705E
	430445N	0162943E
	431543N	0162354E
	431041N	0163513E
	431200N	0165942E
	430600N	0170427E
	430220N	0165850E
	431101N	0165758E
	425936N	0163731E
	430222N	0162952E
	430322N	0162705E

SECTOR 11	WGS-84 latitude	WGS-84 longitude
	431543N	0162354E
	430445N	0162943E
	430322N	0162705E
	425852N	0161835E
	425407N	0160118E
	430650N	0155546E
	431543N	0162354E

SECTOR 12	WGS-84 latitude	WGS-84 longitude
	432749N	0162943E
	432208N	0164033E
	432015N	0164604E
	431200N	0165942E
	431041N	0163513E
	431543N	0162354E
	431843N	0162240E
	432345N	0163315E
	432749N	0162943E

SECTOR 13	WGS-84 latitude	WGS-84 longitude
	434902N	0154806E
	433159N	0155703E
	432828N	0160736E
	432819N	0161246E
	432902N	0161453E
	432917N	0161515E
	433137N	0161951E
	432749N	0162943E
	432345N	0163315E
	431843N	0162240E
	431543N	0162354E
	430650N	0155546E
	425407N	0160118E
	425852N	0161835E
	430322N	0162705E
	430222N	0162952E
	424108N	0164343E
	423929N	0164827E
	423454N	0155610E
	along FIR BDRY Zagreb-Bridisi	
	along FIR BDRY Zagreb-Milano	
	433902N	0141944E
	433700N	0153833E
	434530N	0154643E
	434902N	0154806E

SECTOR 14	WGS-84 latitude	WGS-84 longitude
	434902N	0154806E
	433131N	0160407E
	432902N	0161453E
	432819N	0161246E
	432828N	0160736E
	433159N	0155703E
	434902N	0154806E

SECTOR 15	WGS-84 latitude	WGS-84 longitude
	434902N	0154806E
	433946N	0160144E
	433600N	0161938E
	432749N	0162943E
	433137N	0161951E
	432917N	0161515E
	432902N	0161453E
	433131N	0160407E
	434902N	0154806E

SECTOR 16	WGS-84 latitude	WGS-84 longitude
	435846N	0155146E
	435205N	0160228E
	434048N	0161343E
	433600N	0161938E
	433946N	0160144E
	434902N	0154806E
	435700N	0155113E
	435846N	0155146E

CHANGE: TMAs classification vertical limits; Parachute activity zones; Editorial.

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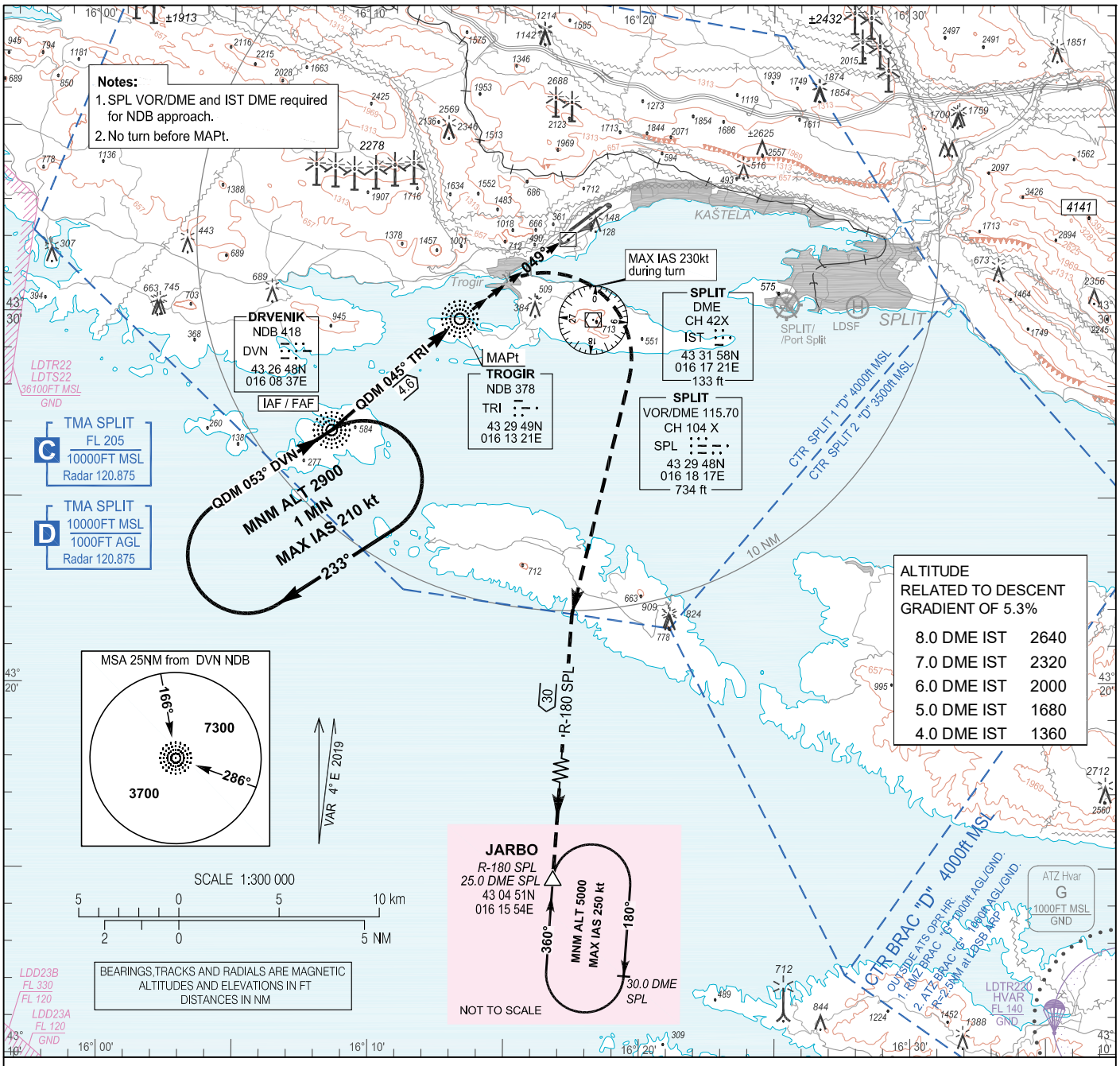
INSTRUMENT APPROACH CHART - ICAO

AD ELEV 78
HEIGHTS RELATED TO THR 05 ELEV 70

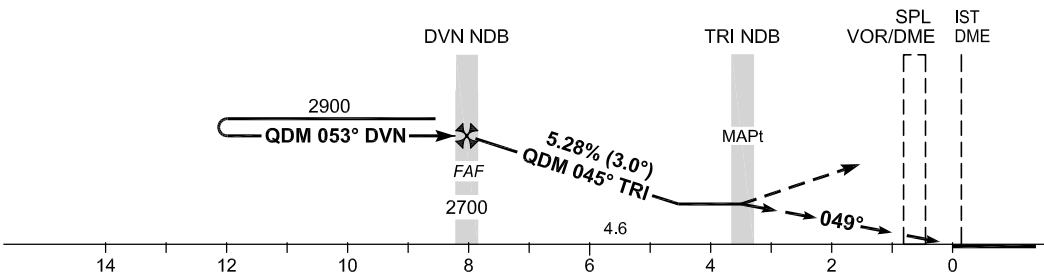
SPLIT ATIS	125.300
SPLIT RADAR	120.875
SPLIT TOWER	124.675

SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)

NDB RWY 05



TRANSITION ALT 10 000



MISSED APPROACH:

At TRI NDB turn RIGHT to intercept R-180 SPL climbing to JARBO at 5000 ft and hold.
MAX IAS 230 kt during turn.

OCA(H)	A	B	C	D
Straight-in Approach	1200 (1130)			

DVN NDB TO TRI NDB DISTANCE 4.6 NM						
GS(kt)	70	100	120	140	160	180
min : sec	3:57	2:46	2:18	1:58	1:44	1:32
Rate of descent (ft / min)	374	534	641	748	855	962
MAPt at TRI NDB	TIMING NOT AUTHORIZED FOR DEFINING THE MAPt					

CHANGE: TMA classification vertical limits; Parachute activity zone added; Water aerodrome Split / Resnik withdrawn; Editorial.

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SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)

NDB RWY 05

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
NDB RWY 05			
Final approach descent angle:		3.02°	
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (DVN NDB)	43 26 48.24N 016 08 37.08E	-	-
FAF (DVN NDB)	43 26 48.24N 016 08 37.08E	-	-
MAPt (TRI NDB)	43 29 48.59N 016 13 20.78E	-	-

CHANGE: TMA classification vertical limits; Parachute activity zone added; Water aerodrome Split / Resnik withdrawn; Editorial.

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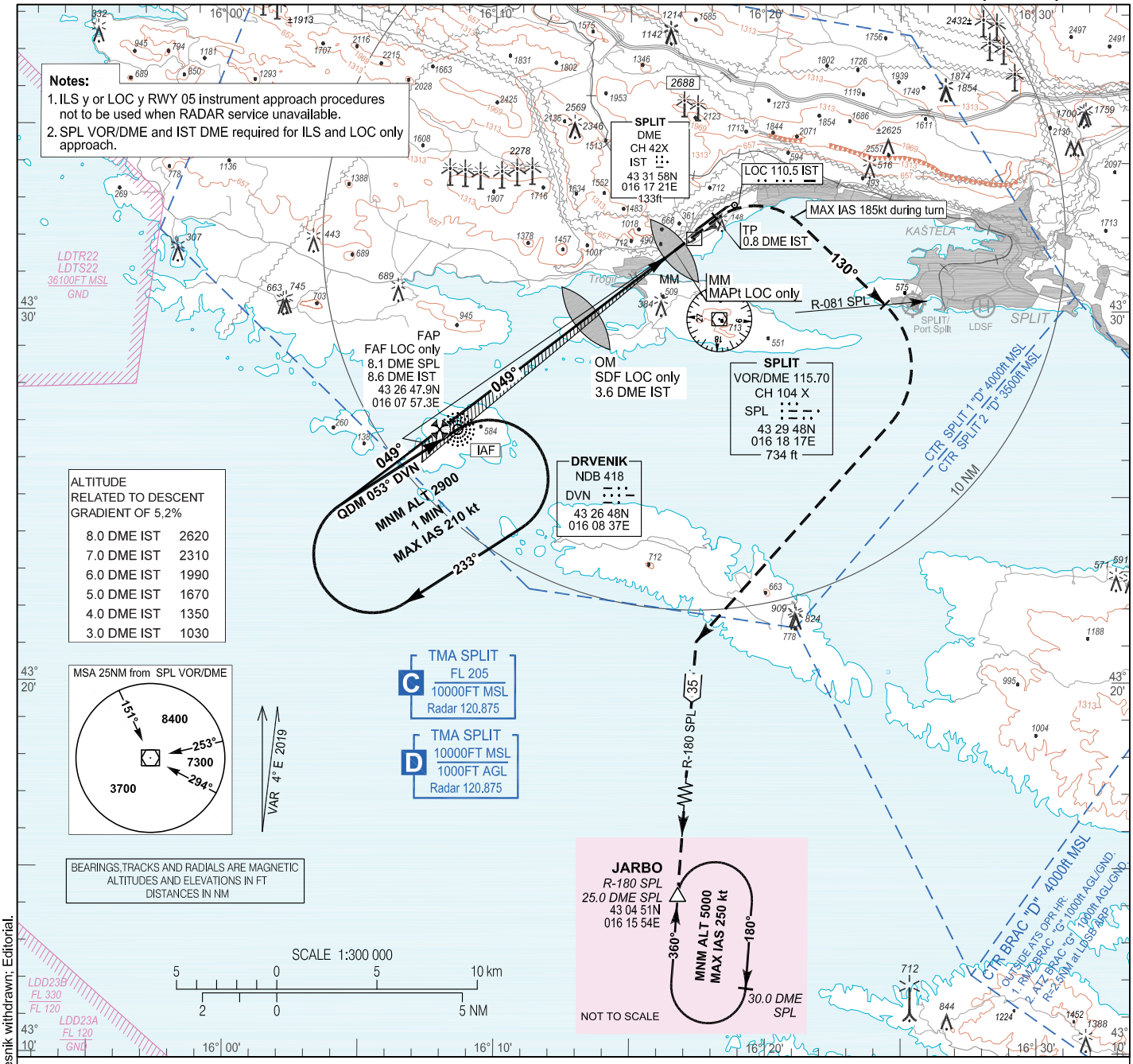
INSTRUMENT APPROACH CHART - ICAO

AD ELEV 78
HEIGHTS RELATED TO THR 05 ELEV 70

SPLIT ATIS	125.300
SPLIT RADAR	120.875
SPLIT TOWER	124.675

SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)

ILS y or LOC y RWY 05



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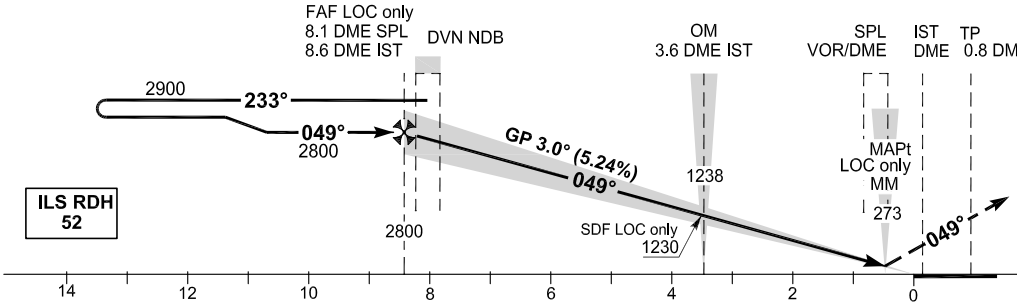

MISSED APPROACH:
Climb straight ahead on track 049°.
At 0.8 DME IST (after passing THR05) turn RIGHT (MAX IAS 185 kt during turn) climbing on track 130°.
Cross R-081 SPL and turn RIGHT to intercept R-180 SPL climbing to JARBO at 5000 and hold.

THR ELEV 70

OCA(H)					
	ACFT CAT	A	B	C	D
Straight-in Approach	ILS CAT I 2.5% press. altim.	650 (580)	660 (590)	670 (600)	680 (610)
	ILS CAT I 3.0% press. altim.	420 (350)	430 (360)	440 (370)	450 (380)
	LOC only	790 (720)			

FAF LOC only to MAPt DISTANCE – 7.9 NM Timing not authorized for defining the MAPt						
GS(kt)	70	100	120	140	160	180
min : sec	6:47	4:45	3:57	3:24	2:58	2:38
Rate of descent (ft/min)	371	531	637	743	849	955

CHANGE: TMA classification vertical limits; Water aerodrome Split / Resnik withdrawn; Editorial.

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SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)

ILS y or LOC y RWY 05

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
ILS y or LOC y RWY 05			
LOC only - final approach descent angle: 3.00°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (DVN NDB)	43 26 48.24N 016 08 37.08E	-	-
FAF LOC only	43 26 47.9N 016 07 57.3E	052.57° (IST LOC)	8.10 DME SPL 8.57 DME IST
SDF LOC only (OM05)	43 29 48.65N 016 13 21.06E	052.57° (IST LOC)	3.62 DME IST
MAPt LOC only (MM05)	43 31 38.13N 016 16 37.09E	-	-
TP	43 32 29.8N 016 18 09.9E	052.57° (IST LOC)	0.80 DME IST

CHANGE: TMA classification vertical limits; Water aerodrome Split / Resnik withdrawn; Editorial.

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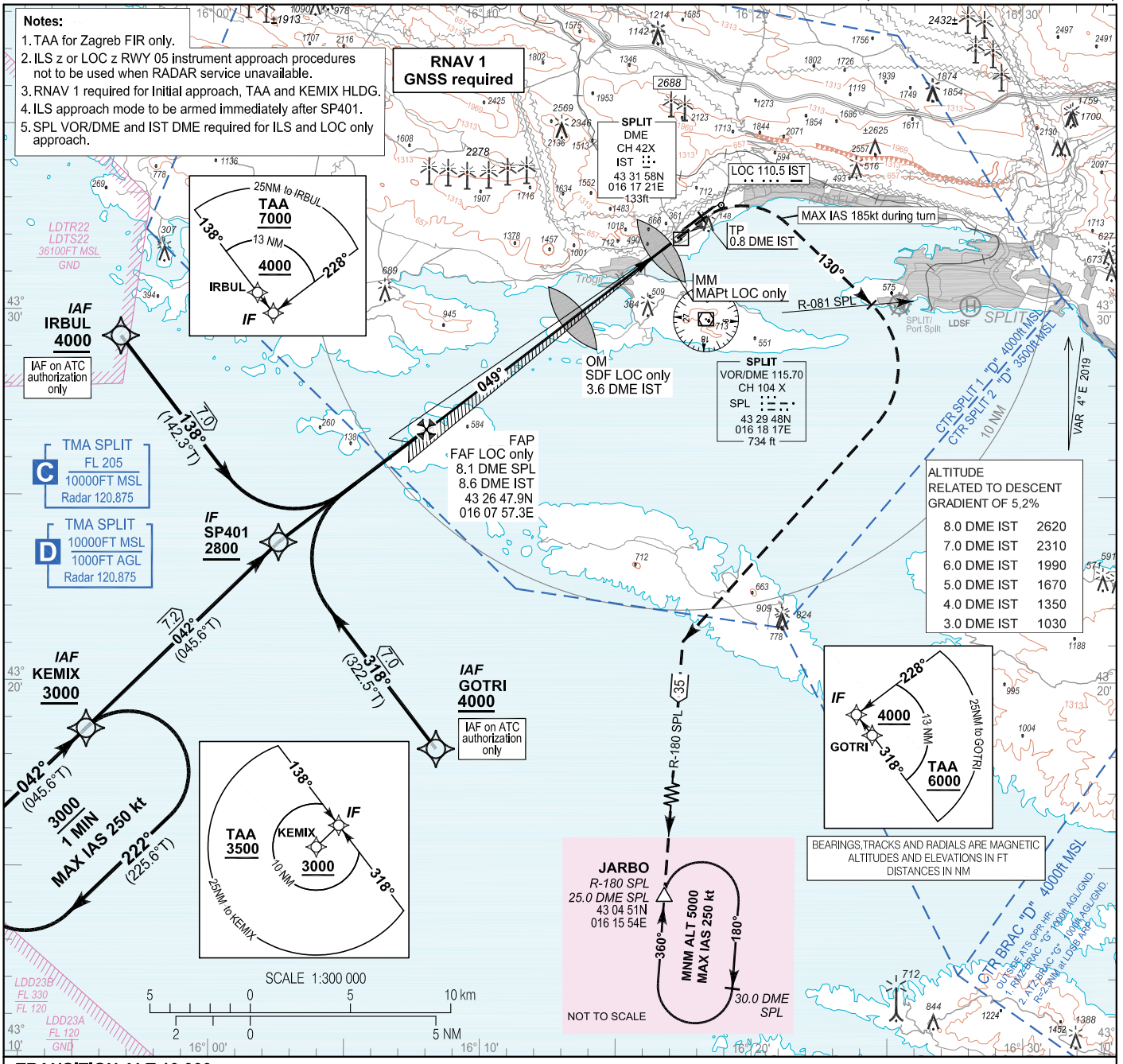
INSTRUMENT APPROACH CHART - ICAO

AD ELEV 78
HEIGHTS RELATED TO THR 05 ELEV 70

SPLIT ATIS	125.300
SPLIT RADAR	120.875
SPLIT TOWER	124.675

SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)
ILS z or LOC z RWY 05
(RNAV 1 to ILS or LOC transition)



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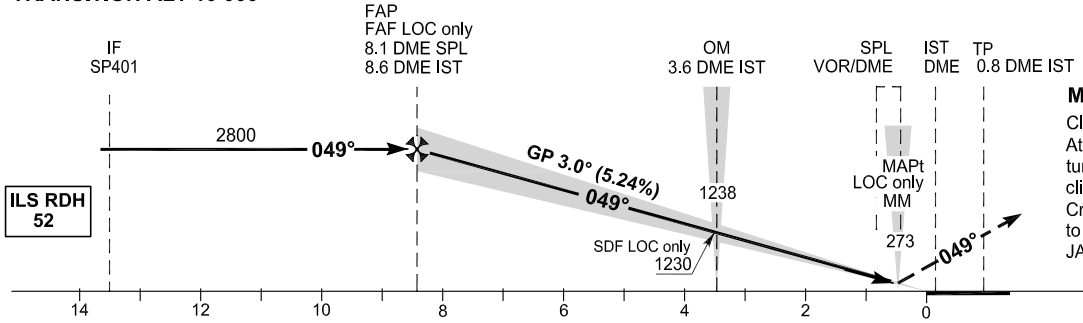

MISSED APPROACH:
Climb straight ahead on track 049°.
At 0.8 DME IST (after passing THR05) turn RIGHT (MAX IAS 185 kt during turn) climbing on track 130°.
Cross R-081 SPL and turn RIGHT to intercept R-180 SPL climbing to JARBO at 5000 and hold.

THR ELEV 70

OCA(H)					
	ACFT CAT	A	B	C	D
Straight-in Approach	ILS CAT I 2.5% press. altim.	650 (580)	660 (590)	670 (600)	680 (610)
	ILS CAT I 3.0% press. altim.	420 (350)	430 (360)	440 (370)	450 (380)
	LOC only	790 (720)			

FAF LOC only to MAPt DISTANCE – 7.9 NM Timing not authorized for defining the MAPt						
GS(kt)	70	100	120	140	160	180
min : sec	6:47	4:45	3:57	3:24	2:58	2:38
Rate of descent (ft/min)	371	531	637	743	849	955

CHANGE: TMA classification vertical limits; KEMIX HLDG speed limitation added; Water aerodrome Split / Resnik withdrawn; Editorial.

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SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)
ILS z or LOC z RWY 05
(RNAV 1 to ILS or LOC transition)

LDSP ILS z or LOC z RWY 05 (RNAV 1 to ILS OR LOC transition)

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	GOTRI	-	-	4°E	-	-	+4000	-	-	IAF on ATC authorization only	RNAV 1
020	IF	TF	SP401	-	318° (322.5° T)	4°E	7.0	-	+2800	-	-	-	
010	IAF	IF	KEMIX	-	-	4°E	-	-	+3000	-	-	-	RNAV 1
020	IF	TF	SP401	-	042° (045.6° T)	4°E	7.2	-	+2800	-	-	-	
010	IAF	IF	IRBUL	-	-	4°E	-	-	+4000	-	-	IAF on ATC authorization only	RNAV 1
020	IF	TF	SP401	-	138° (142.3° T)	4°E	7.0	-	+2800	-	-	-	

AERONAUTICAL DATABASE REQUIREMENTS

Conventional procedure essential fixes/points

ILS z or LOC z RWY 05

LOC only - final approach descent angle: 3.00°

Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IF (SP401)	43 23 44.7N 016 02 30.4E	-	-
FAF LOC only	43 26 47.9N 016 07 57.3E	052.57° (IST LOC)	8.10 DME SPL 8.57 DME IST
SDF LOC only (OM 05)	43 29 48.65N 016 13 21.06E	052.57° (IST LOC)	3.62 DME IST
MAPt LOC only (MM 05)	43 31 38.13N 016 16 37.09E	-	-
TP	43 32 29.8N 016 18 09.9E	052.57° (IST LOC)	0.80 DME IST

RNAV HOLDING tabular description

Waypoint name	Path Term-inator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
KEMIX	HM	042° (045.6°T)	1MIN / -	R	3000	-	250	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 Latitude	WGS-84 Longitude
GOTRI	431811.7N	0160821.4E
IRBUL	432917.5N	0155638.4E
KEMIX	431842.4N	0155526.9E
SP401	432344.7N	0160230.4E

CHANGE: TMA classification vertical limits; KEMIX HLDG speed limitation added; Water aerodrome Split / Resnik withdrawn; Editorial.

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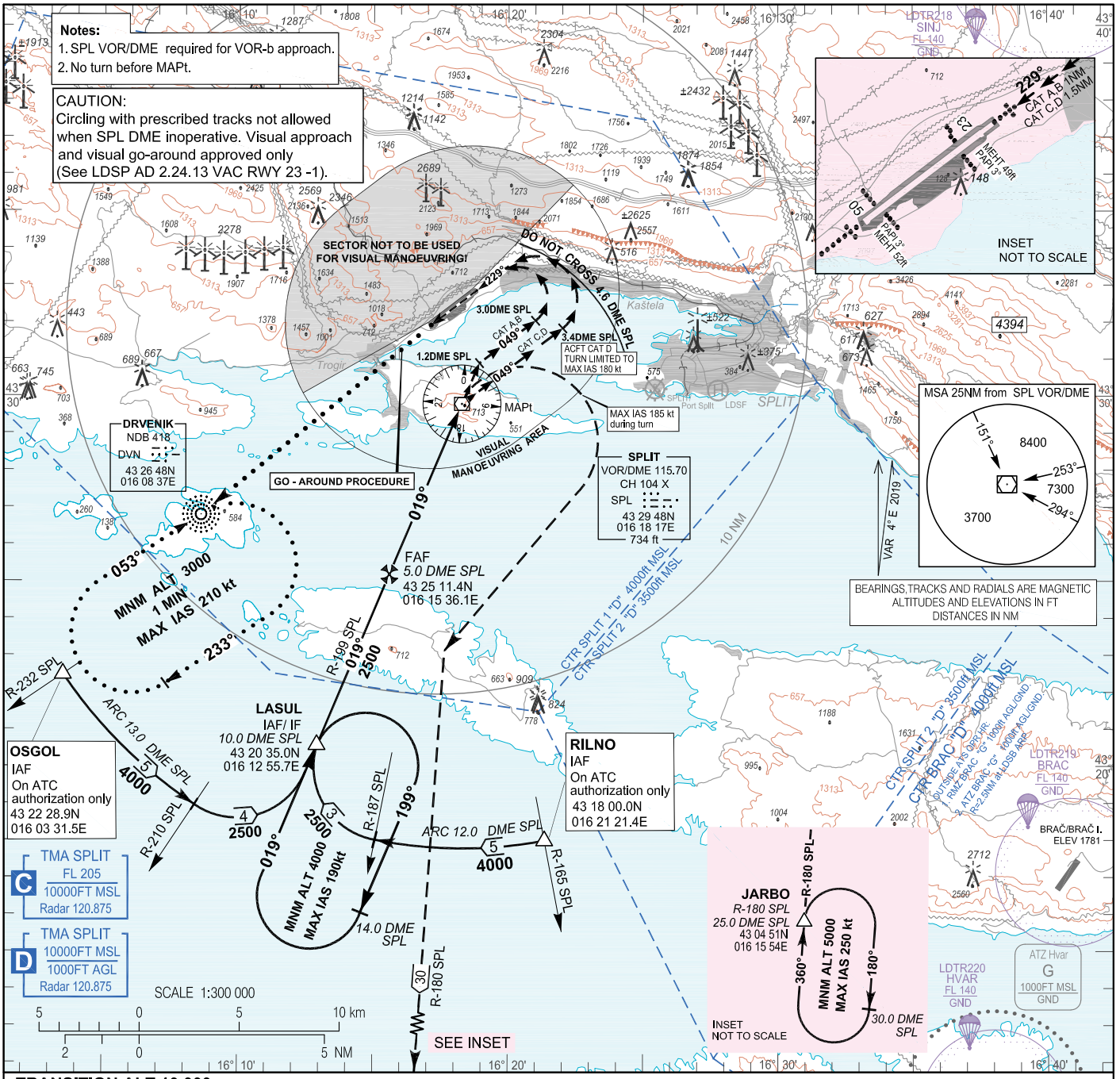
INSTRUMENT APPROACH
CHART - ICAO
(CIRCLING WITH PRESCRIBED TRACKS)

AD ELEV 78
HEIGHTS RELATED
TO AD ELEV 78

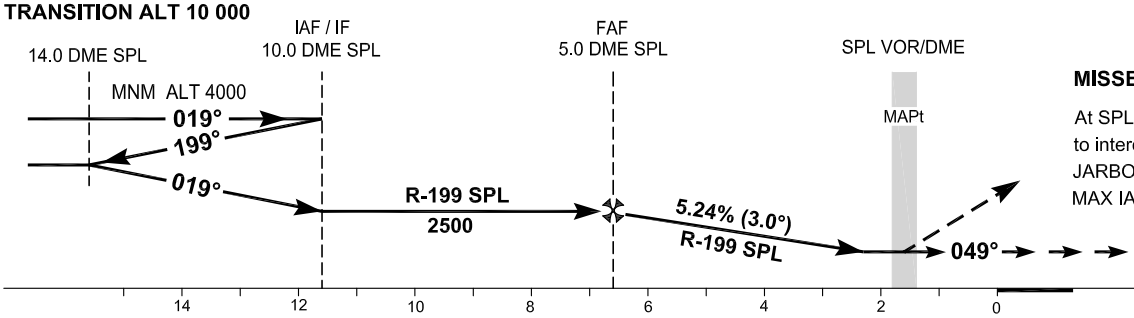
SPLIT ATIS	125.300
SPLIT RADAR	120.875
SPLIT TOWER	124.675

SPLIT / Sveti Jeronim (LDSP)
SPLIT / Saint Jerome (LDSP)

VOR-b RWY 23



TRANSITION ALT 10 000



MISSED APPROACH:

At SPL VOR/DME turn RIGHT to intercept R-180 SPL climbing to JARBO at 5000 and HOLD. MAX IAS 185 kt during turn.

OCA(H)	A	B	C	D
Circling	1610 (1532)		2040 (1962)	

NOTE: Circling NIGHT and NW of aerodrome not allowed.
See special notes to Aircraft Operators on the second page.

CIRCLING PROCEDURE:

Execute a published instrument approach procedure to circling OCA(H) for relevant ACFT CAT, proceed VISUALLY onto tracks and distances given on the chart above.

GO - AROUND PROCEDURE FOR CIRCLING ONLY

If visual reference is lost after passing SPL VOR/DME proceed on prescribed track, turn LEFT and when once on the final approach track climb straight ahead to DVN NDB at 3000 and hold, as shown on the chart.

CHANGE: TMA classification vertical limits; Parachute activity zones; Editorial.

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VOR-b RWY 23

SPECIAL NOTES
CIRCLING WITH PRESCRIBED TRACKS

The following requirements and SPECIAL NOTES contain information which shall be consider before practise and operating LDSP VOR-b RWY 23 procedure:

- Consider specific orography, mountainous terrain in vicinity of AD Split and the requirements for visual segment
- Night flight restrictions: night operations are not authorised
- During base leg visual segment do not overshoot 4.6 DME SPL ARC due to high terrain
- Maximum speed on base leg is 180 kt.
- At MAPt if RWY in sight proceed visually following the prescribed track (depends on ACFT category) in order to reach the final RWY 23.
- Usage of PAPI is mandatory.
- The procedure to be used when the tailwind component for approach RWY 05 exceeds the operational limits for landing for particular type of aircraft.

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
VOR-b RWY 23			
Final approach descent angle:	3.00°		
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF / IF (LASUL)	43 20 35.0N 016 12 55.7E	-	-
IAF (OSGOL)	43 22 28.9N 016 03 31.5E	ARC 13.00 DME SPL	235.87° (SPL VOR)
IAF (RILNO)	43 18 00.0N 016 21 21.4E	ARC 12.00 DME SPL	169.22° (SPL VOR)
FAF	43 25 11.4N 016 15 36.1E	203.00° (SPL VOR)	5.00 DME SPL
MAPt (SPL VOR / DME)	43 29 47.69N 016 18 17.00E	-	-

CHANGE: TMA classification vertical limits; Parachute activity zones; Editorial.

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INSTRUMENT APPROACH CHART-ICAO

AD ELEV 78
HEIGHTS RELATED TO THR 05 ELEV 70

SPLIT ATIS	125.300
SPLIT RADAR	120.875
SPLIT TOWER	124.675

SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)
RNP Y RWY 05

BEARINGS, TRACKS AND RADIALS ARE MAGNETIC.
TRACKS IN BRACKETS ARE TRUE.
ALTITUDES AND ELEVATIONS IN FT. DISTANCES IN NM.

RNP Y RWY 05 instrument approach procedures not to be used when RADAR service unavailable.

RNP APCH

25NM to IRBUL
TAA 7000
138°
13 NM
4000
228°
IRBUL
IF

LDTR22
LDTS22
36100FT MSL
GND

SPLIT
DME
CH 42X
IST
43 31 58N
016 17 21E
133ft

SPLIT
VOR/DME 115.70
CH 104 X
SPL
43 29 48N
016 18 17E
734 ft

IAF
IRBUL
4000
IAF on ATC authorization only

7.0
138°
(142.3°T)

5.6
048°
(052.5°T)

MAPt
SP402

FAF
DEXIS
2800

5.0
048°
(052.4°T)

IF
SP401
2800

7.6
130°
(134.3°T)

SP406
MAX IAS 190kt

CTR SPLIT 1 "D" 4000ft MSL
CTR SPLIT 2 "D" 3500ft MSL

7.2
042°
(045.6°T)

IAF
KEMIX
3000

7.0
318°
(322.5°T)

IAF
GOTRI
4000
IAF on ATC authorization only

TMA SPLIT
C
FL 205
10000FT MSL
Radar 120.875

TMA SPLIT
D
10000FT MSL
1000FT AGL
Radar 120.875

IF
4000
228°
13 NM
GOTRI
318°
TAA 6000
25NM to GOTRI

042°
(045.6°T)
3000
1 MIN
MAX IAS 250kt
222°
(225.6°T)

TAA 3500
138°
IF
KEMIX
3000
10 NM
318°
25NM to KEMIX

VAR 4° E 2019

20.5
188°
(191.5°T)

JARBO
360°
(004.0°T)
5000
1 MIN
MAX IAS 250kt
180°
(184.0°T)
NOT TO SCALE

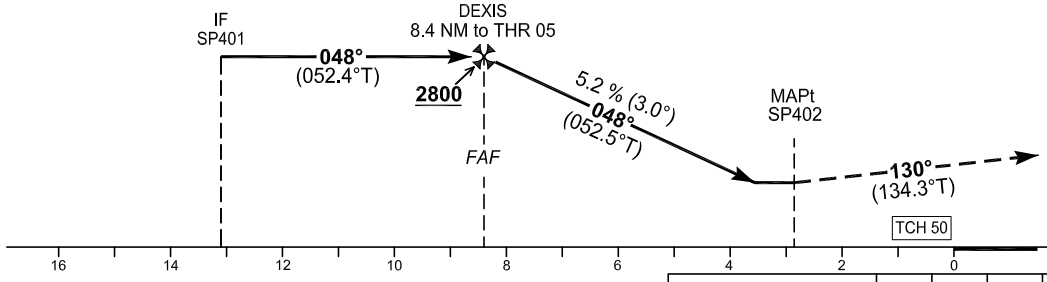
CTR BRAC "D" 4000ft MSL
OUTSIDE ATS OPR HR:
1. RMZ BRAC "G" 1000ft AGL/GND.
2. ATZ BRAC "G" 1000ft AGL/GND.
R=2.5NM at LDSB ARP

LDD23B
FL 330
FL 120

LDD23A
FL 120
GND

SCALE 1:300 000
3 0 5 10 km
2 0 5 NM

TRANSITION ALT 10 000



MISSED APPROACH
RNAV

SP402 – SP406 [M130; - K190]
– JARBO [M188; A5000]

OCA(OCH)	A	B	C	D
LNAV	1200 (1130)			

DIST to THR 05	NM	8	7	6	5	4
Altitude	ft	2670	2350	2030	1720	1400

Timing not authorized for defining the MAPt							
GS	kt	80	100	120	140	160	180
DEXIS-SP402(5.6NM)	min:sec	4:12	3:22	2:48	2:24	2:06	1:52
Rate of descent (5.2%)	ft/min	425	531	637	743	849	955

CHANGE: TMA classification vertical limits; KEMIX HLDG and JARBO HLDG speed limitation added; Coding tables updated; Water aerodrome Split / Resnik withdrawn; Editorial.

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SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)

RNP Y RWY 05

LDSP RNP Y RWY 05

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	GOTRI	-	-	4°E	-	-	+4000	-	-	IAF on ATC authorization only	RNP APCH
020	IF	TF	SP401	-	318° (322.5° T)	4°E	7.0	-	+2800	-	-	-	
010	IAF	IF	KEMIX	-	-	4°E	-	-	+3000	-	-	-	RNP APCH
020	IF	TF	SP401	-	042° (045.6° T)	4°E	7.2	-	+2800	-	-	-	
010	IAF	IF	IRBUL	-	-	4°E	-	-	+4000	-	-	IAF on ATC authorization only	RNP APCH
020	IF	TF	SP401	-	138° (142.3° T)	4°E	7.0	-	+2800	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	SP401	-	-	4°E	-	-	+2800	-	-	-	RNP APCH
020	FAF	TF	DEXIS	-	048° (052.4°T)	4°E	5.0	-	+2800	-	-	-	
030	MAPt	TF	SP402	Y	048° (052.5°T)	4°E	5.6	-	-	-	3.0 / 50.0	-	
040	-	TF	SP406	Y	130° (134.3°T)	4°E	7.6	-	-	-190	-	-	
050	MAHF	TF	JARBO	-	188° (191.5°T)	4°E	20.5	-	5000	-	-	-	
060	MAHF	HM	JARBO	-	360° (004.0°T)	4°E	1 MIN	R	5000	-	-	Holding above 5000 on ATC clearance only	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path Term-inator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
KEMIX	HM	042° (045.6°T)	1MIN / -	R	3000	-	250	4°E	-	RNAV 1
JARBO	HM	360° (004.0°T)	1MIN / -	R	5000	-	250	4°E	-	

Waypoint coordinates

Waypoint name	WGS-84 Latitude	WGS-84 Longitude
DEXIS	432647.7N	0160757.0E
GOTRI	431811.7N	0160821.4E
IRBUL	432917.5N	0155638.4E
JARBO	430451.0N	0161554.2E
KEMIX	431842.4N	0155526.9E
SP401	432344.7N	0160230.4E
SP402	433011.7N	0161401.9E
SP406	432453.8N	0162128.2E

CHANGE: TMA classification vertical limits; KEMIX HLDG and JARBO HLDG speed limitation added; Coding tables updated; Water aerodrome Split / Resnik withdrawn; Editorial.

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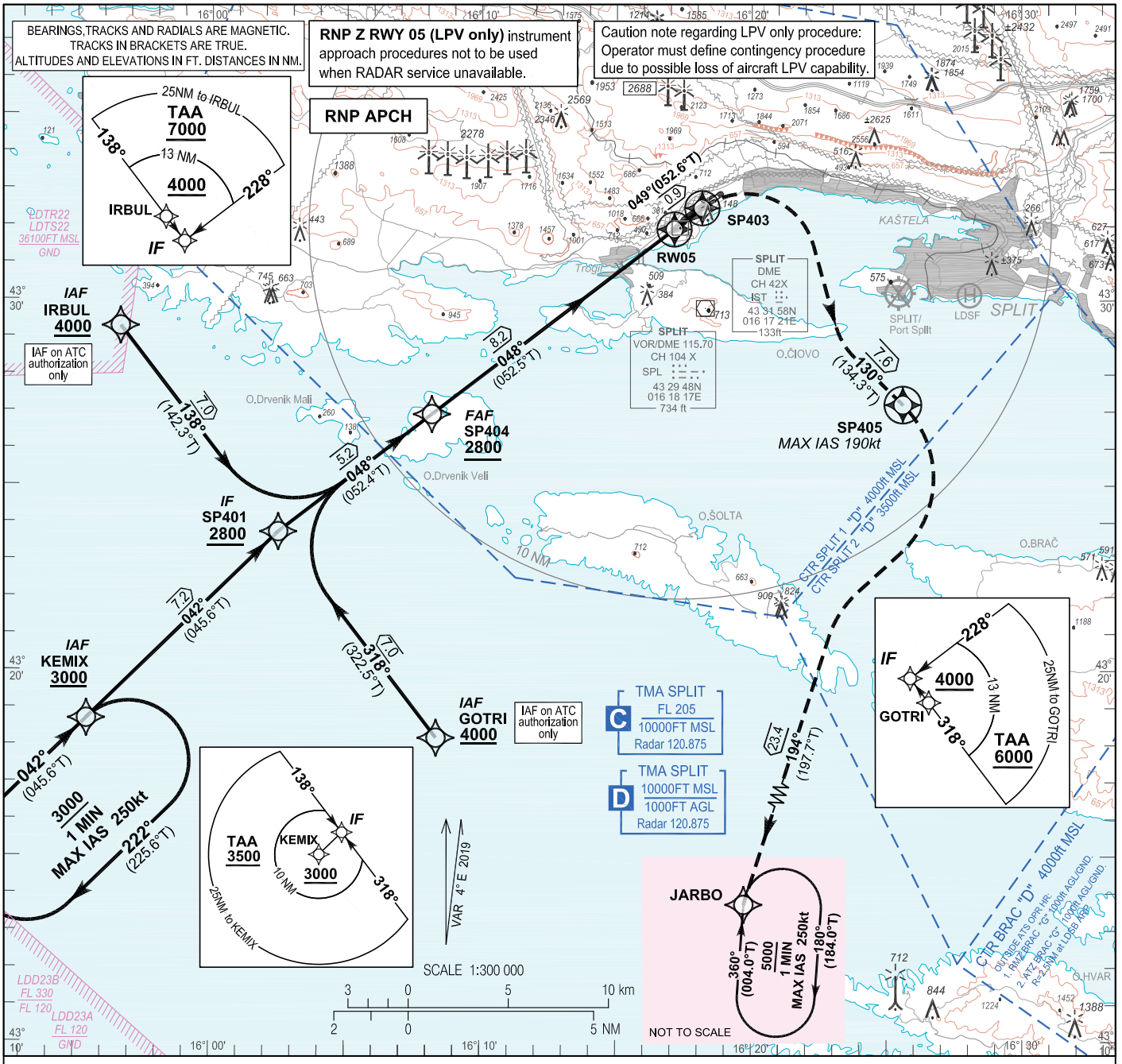
INSTRUMENT APPROACH CHART-ICAO

AD ELEV 78
HEIGHTS RELATED TO THR 05 ELEV 70

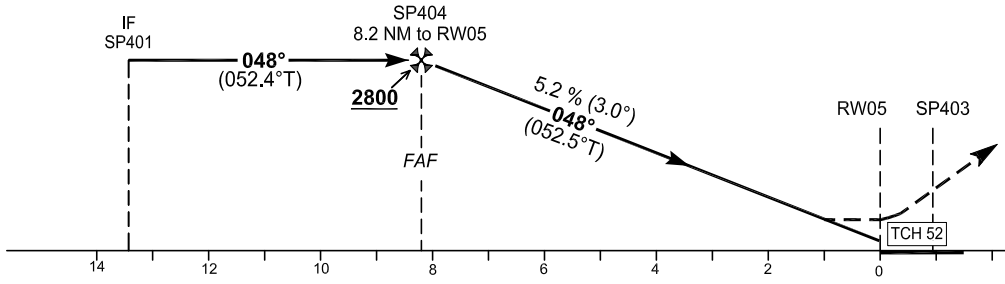
SBAS
CH: 69806
E05A

SPLIT ATIS	125.300
SPLIT RADAR	120.875
SPLIT TOWER	124.675

SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)
RNP Z RWY 05 (LPV only)



TRANSITION ALT 10 000



MISSED APPROACH RNAV

RW05 - SP403 [R] - SP405 [M130; - K190]
- JARBO [M194; A5000]

OCA(H)		A	B	C	D
Straight-in approach	LPV	750 (680)	760 (690)	770 (700)	780 (710)

DIST THR / RW 05	NM	8	7	6	5	4	3	2
Altitude	ft	2670	2360	2040	1720	1400	1080	760

SP404 TO RW05 DISTANCE – 8.2NM						
GS (kt)	80	100	120	140	160	180
min : sec	6:09	4:55	4:06	3:31	3:05	2:44
Rate of descent (ft / min)	425	531	637	743	849	955
NO MAPt ; TIMING NOT AUTHORIZED FOR DEFINING THE RW05						

CHANGE: TMA classification vertical limits; KEMIX HLDG and JARBO HLDG speed limitation added; Coding tables updated; Water aerodrome Split / Resnik withdrawn; Editorial.

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SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)

RNP Z RWY 05 (LPV only)

Coding elements for FAS Data Block

Input data

Operation Type	0
SBAS Provider	1
Airport Identifier	LDSP
Runway	05
Runway Direction	0
Approach Performance Designator	0
Route Indicator	Z
Reference Path Data Selector	0
Reference Path Identifier	E05A
LTP/FTP Latitude	433155.3885N
LTP/FTP Longitude	0161708.0990E
LTP/FTP Ellipsoidal Height (metres)	63.7
FPAP Latitude	433246.3360N
Delta FPAP Latitude (seconds)	50.9475
FPAP Longitude	0161839.6425E
Delta FPAP Longitude (seconds)	91.5435
Threshold Crossing Height	52.0
TCH Units Selector	0
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	40
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 10 13 04 0C 05 D0 00 01 35 30 05 F9 92 AE 12 06 30 FD 06 7D 16 07 8E 01 2F CB 02 08 02 2C 01 64 05 C8 FA C0 E3 39 4E
Calculated CRC Value	C0E3394E

Required Additional Data

ICAO Code	LD
LTP/FTP Orthometric Height (metres)	21.4
FPAP Orthometric Height (metres)	

CHANGE: TMA classification vertical limits; KEMIX HLDG and JARBO HLDG speed limitation added; Coding tables updated; Water aerodrome Split / Resnik withdrawn; Editorial.

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SPLIT/ Sveti Jeronim (LDSP)
SPLIT/ Saint Jerome (LDSP)

RNP Z RWY 05 (LPV only)

LDSP RNP Z RWY 05 (LPV only)

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	GOTRI	-	-	4°E	-	-	+4000	-	-	IAF on ATC authorization only	RNP APCH
020	IF	TF	SP401	-	318° (322.5° T)	4°E	7.0	-	+2800	-	-	-	
010	IAF	IF	KEMIX	-	-	4°E	-	-	+3000	-	-	-	RNP APCH
020	IF	TF	SP401	-	042° (045.6° T)	4°E	7.2	-	+2800	-	-	-	
010	IAF	IF	IRBUL	-	-	4°E	-	-	+4000	-	-	IAF on ATC authorization only	RNP APCH
020	IF	TF	SP401	-	138° (142.3° T)	4°E	7.0	-	+2800	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	SP401	-	-	4°E	-	-	+2800	-	-	-	RNP APCH
020	FAF	TF	SP404	-	048° (052.4°T)	4°E	5.2	-	+2800	-	-	-	
030	-	TF	RW05	Y	048° (052.5°T)	4°E	8.2	-	-	-	3.0 / 52.0	-	
040	TP	CF	SP403	Y	049° (052.6°T)	4°E	0.9	-	-	-	-	-	
050	-	TF	SP405	Y	130° (134.3°T)	4°E	7.6	R	-	-190	-	-	
060	MAHF	TF	JARBO	-	194° (197.7°T)	4°E	23.4		5000	-	-	-	
070	MAHF	HM	JARBO	-	360° (004.0°T)	4°E	1 MIN	R	5000	-	-	Holding above 5000 on ATC clearance only	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path Term-inator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
KEMIX	HM	042° (045.6°T)	1MIN / -	R	3000	-	250	4°E	-	RNAV 1
JARBO	HM	360° (004.0°T)	1MIN / -	R	5000	-	250	4°E	-	

Waypoint coordinates

Waypoint name	WGS-84 Latitude	WGS-84 Longitude
GOTRI	431811.7N	0160821.4E
IRBUL	432917.5N	0155638.4E
JARBO	430451.0N	0161554.2E
KEMIX	431842.4N	0155526.9E
RW05	433155.39N	0161708.10E
SP401	432344.7N	0160230.4E
SP403	433229.8N	0161809.9E
SP404	432655.2N	0160810.3E
SP405	432711.7N	0162536.2E

CHANGE: TMA classification vertical limits; KEMIX HLDG and JARBO HLDG speed limitation added; Coding tables updated; Water aerodrome Split / Resnik withdrawn; Editorial.

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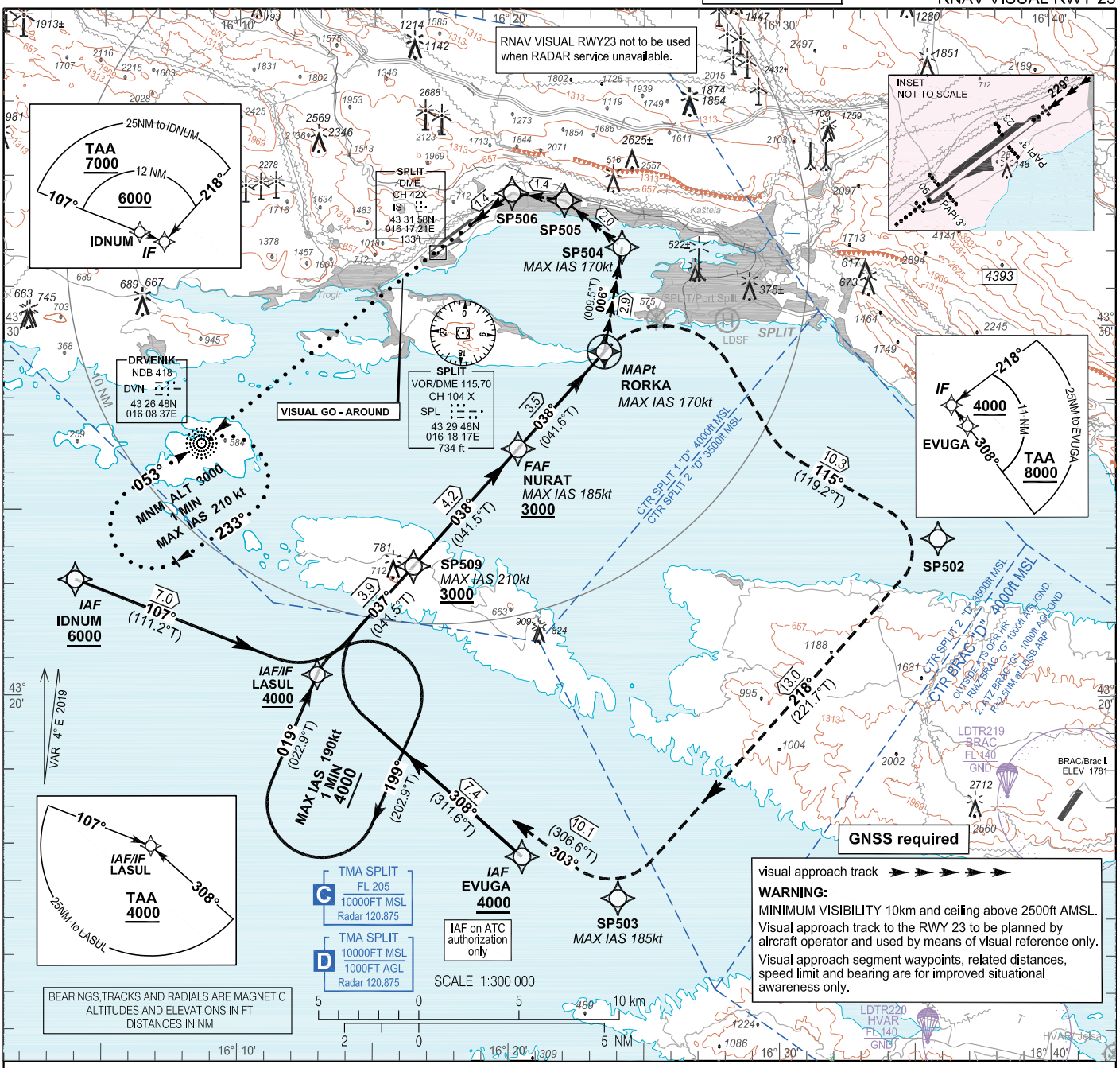
INSTRUMENT APPROACH
CHART - ICAO

AD ELEV 78
HEIGHTS RELATED
TO AD ELEV 78

SPLIT ATIS	125.300
SPLIT RADAR	120.875
SPLIT TOWER	124.675

SPLIT / Sveti Jeronim (LDSP)
SPLIT / Saint Jerome (LDSP)

RNAV VISUAL RWY 23



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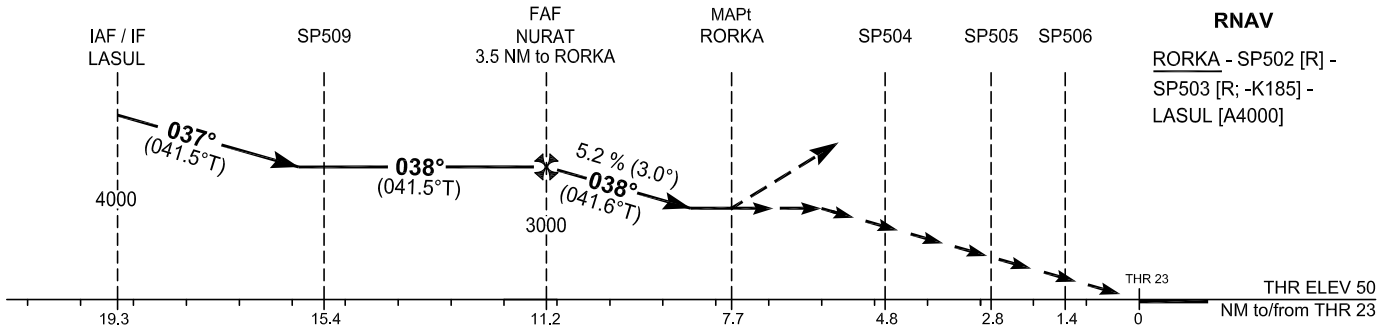

MISSED APPROACH RNAV

RORKA - SP502 [R] - SP503 [R; -K185] - LASUL [A4000]

OCA(H)	A	B	C	D
LNAV	2000 (1922)			

Aircraft category	A	B	C	D
Minimum visibility	10km (5.4NM)			

GO-AROUND PROCEDURE FOR VISUAL SEGMENT:

In visual phase of flight after passing RORKA proceed along the visual approach track and when once on the final approach track climb straight ahead to DVN NDB at 3000ft and hold.

NOTES: For daylight operations only
See special notes for Pilot Flying on the third page.

CHANGE: TMA classification vertical limits; Parachute activity zones added; Water aerodrome Split / Resnik withdrawn; Editorial.

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SPLIT / Sveti Jeronim (LDSP)
SPLIT / Saint Jerome (LDSP)

RNAV VISUAL RWY 23

LDSP RNAV VISUAL RWY23

Proposed tabular description for navigation database coding - INSTRUMENT APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	IDNUM	-	-	4°E	-	-	+6000	-	-	-	RNP APCH
020	IF	TF	LASUL	-	107° (111.2° T)	4°E	7.0	-	+4000	-	-	-	
010	IAF	IF	EVUGA	-	-	4°E	-	-	+4000	-	-	IAF on ATC authorization only	RNP APCH
020	IF	TF	LASUL	-	308° (311.6°T)	4°E	7.4	-	+4000	-	-	-	
010	IAF/IF	IF	LASUL	-	-	4°E	-	-	+4000	-	-	-	RNP APCH

Proposed tabular description for navigation database coding - INSTRUMENT FINAL APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	LASUL	-	-	4°E	-	-	+4000	-	-	-	RNP APCH
020	-	TF	SP509		037° (041.5°T)	4°E	3.9	-	+3000	-210	-	-	
030	FAF	TF	NURAT	-	038° (041.5°T)	4°E	4.2	-	+3000	-185	-	-	
040	MAPt	TF	RORKA	Y	038° (041.6°T)	4°E	3.5	-	-	-170	3.0 / -	-	
050	-	TF	SP502	-	115° (119.2°T)	4°E	10.3	-	-	-	-	-	
060	-	TF	SP503	-	218° (221.7°T)	4°E	13.0	R	-	-185	-	-	
070	MAHF	TF	LASUL	-	303° (306.6°T)	4°E	10.1	-	4000	-	-	-	
080	MAHF	HM	LASUL	-	019° (022.9°T)	4°E	1 MIN	R	4000	-190	-	Holding above 4000 on ATC clearance only	RNAV 1

VISUAL APPROACH SEGMENT (AFTER RORKA) - POSSIBLE CODING

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
-	-	TF	SP504	-	006° (009.5°T)	4°E	2.9	-	-	-170	-	-	-
-	-	TF	SP505	-	- -	4°E	2.0	-	-	-170	-	-	
-	-	TF	SP506	-	- -	4°E	1.4	-	-	-170	-	-	

THR Coordinates

RWY23	433242.33N 0161832.44E

RNAV HOLDING tabular description

Waypoint name	Path Term-inator	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
LASUL	HM	019° (022.9°T)	1MIN / -	R	4000	-	190	4°E	-	RNAV 1

Waypoint coordinates		
Waypoint name	wgs-84 latitude	wgs-84 longitude
IDNUM	432307.4N	0160358.2E
EVUGA	431541.3N	0162030.1E
LASUL	432035.0N	0161255.7E
NURAT	432640.8N	0162019.6E
RORKA	432918.0N	0162331.0E
SP509	432330.3N	0161628.2E
SP502	432416.0N	0163551.5E
SP503	431434.2N	0162402.5E

Waypoint coordinates - visual segment		
Waypoint name	wgs-84 latitude	wgs-84 longitude
SP504	433207.0N	0162409.9E
SP505	433322.5N	0162201.9E
SP506	433334.0N	0162005.3E

CHANGE: TMA classification vertical limits; Parachute activity zones added; Water aerodrome Split / Resnik withdrawn; Editorial.

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SPECIAL NOTES before practice and operating LDSP RNAV VISUAL RWY23 procedure

Requirements for Pilot Flying:

- Obstacle clearance during the visual part of the approach is responsibility of pilot flying.
- After receiving clearance to execute RNAV Visual RWY23, pilot flying is expected to:
  a) Not later than passing RORKA must be in visual reference to terrain with minimum visibility of 10 km (5.4NM) and ceiling above 2500ft AMSL and to continue with visual part of procedure, or
  b) From RORKA follow the prescribed instrument missed approach procedure for LDSP RNAV VISUAL RWY23.
- Visual approach segment waypoints, related distances, speed limit and bearing are for improved situational awareness only.

ATC / pilot communication procedures and requirement:

- When RWY23 is in use, during daytime, RNAV Visual RWY23 will be considered as primary approach (announced by ATIS or ATC).
- If ATIS information announces RNAV Visual APCH RWY23 to be expected, Operators unable to accept this approach, shall advise Split APP on first contact.

CHANGE: TMA classification vertical limits; Parachute activity zones added; Water aerodrome Split / Resnik withdrawn; Editorial.

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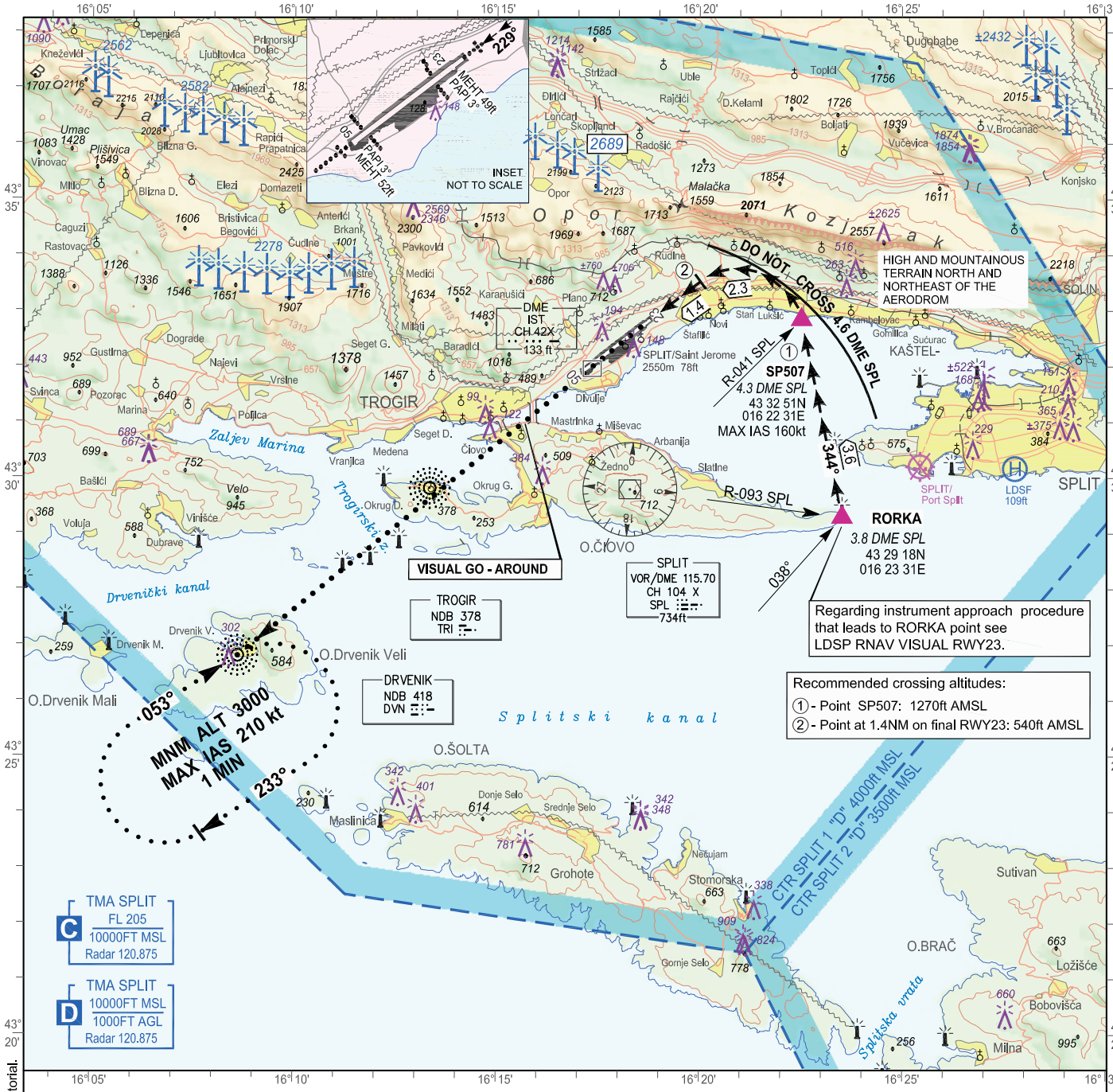
VISUAL APPROACH CHART

AD ELEV 78	ARP 43°32'20"N 016°17'53"E	SPLIT ATIS 125.300 SPLIT RADAR 120.875 SPLIT TOWER 124.675

SPLIT / Sveti Jeronim (LDSP)
SPLIT / Saint Jerome (LDSP)
VAC RWY 23



Reporting Point	Definition
RORKA	R 093 SPL; 3.8 DME SPL
SP507	R 041 SPL; 4.3 DME SPL

BEARINGS,TRACKS AND RADIALS ARE MAGNETIC
ALTITUDES AND ELEVATIONS IN FT
DISTANCES IN NM

SCALE 1:200 000

2 0 5 km
1 0 3 NM

VISUAL GO - AROUND

In case of visual go-around climb along the visual approach track and when on the final approach track proceed straight ahead to DVN NDB at 3000ft and hold or follow ATC instruction.

ATTENTION:

Prominent transmission lines data not complete!
No guarantee for the completeness and accuracy of obstacles!

LEGEND:

ELEVATION TINTS

ft	(m)
3937	(1200)
2625	(800)
1313	(400)
0	(0)

VAR 4° E 2019

visual approach track

CAUTION:

Visual approach track to the RWY23 to be used by means of visual reference only.
SPL VOR/DME radials, distances, waypoints and speed limit information are for improved situational awareness only.
Obstacle clearance during the visual approach and visual go-around is responsibility of pilot flying.

CHANGE: TMA classification vertical limits; Obstacles updated; Editorial.

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VISUAL OPERATION CHART

AD ELEV 78

ARP
43°32'20"N
016°17'53"E

SPLIT ATIS	125.300
SPLIT RADAR	120.875
SPLIT TOWER	124.675

SPLIT / Sveti Jeronim (LDSP)
SPLIT / Saint Jerome (LDSP)



Reporting Point	Definition
A3	Village Brodarica
B3	Village Unešić
C3	Village Grohote
G2	R 237 12.5 DME SPL
H3	Town Supetar
L3	Labinštica antenna
S5	Town Primošten

Two-way radio communication required.
Contact Tower normally at reporting points or any other point but not later than 5min prior to entering CTR.

ALTITUDES AND ELEVATIONS IN FT

VAR 4° E 2019

ELEVATION TINTS

(m)	ft
(1200)	3937
(800)	2625
(400)	1313
(0)	0

SCALE 1:250 000

km 0 5 10
NM 0 5

LEGEND

- Holding fix with WGS-84 coordinates — C3, 43 23 25N, 016 17 27E
- Significant VFR point — G2
- Recommended VFR route — ADRIA1
- Mandatory (arrival - departure) VFR route

ATTENTION:
For latest information consult relevant publications, and NOTAMs!
Prominent transmission lines data not complete!
No guarantee for the completeness and accuracy of obstacles!

CHANGE: TMA classification vertical limits; Obstacles updated; Editorial.

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

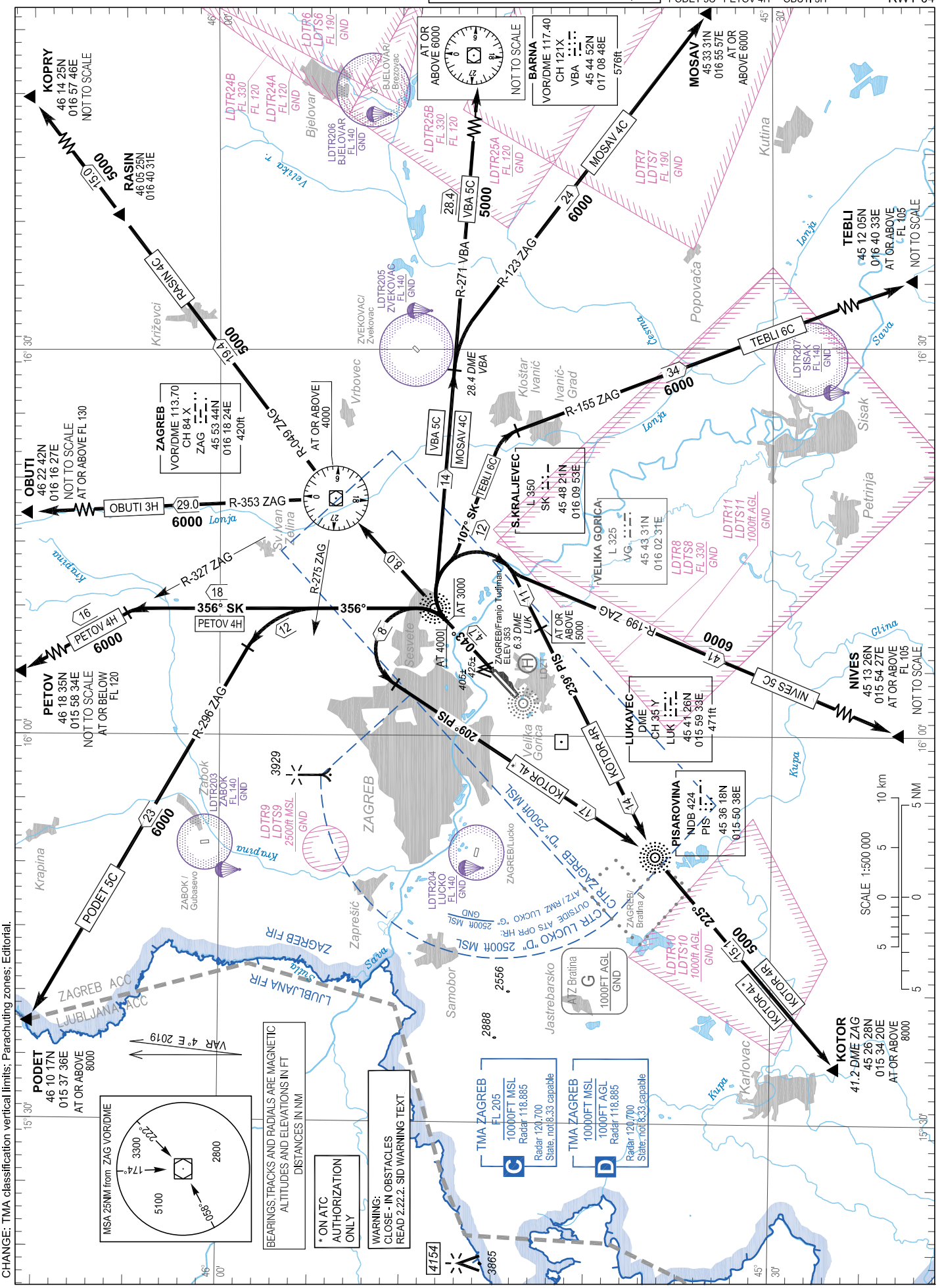
TRANSITION ALTITUDE
10 000

ZAGREB ATIS	124.575
ZAGREB TOWER	118.300
ZAGREB RADAR	118.885
ZAGREB RADAR	120.700 State, not 8.33 capable

ZAGREB / Franjo Tudjman (LDZA)

RASIN 4C VBA 5C MOSAV 4C TEBLI 6C
NIVES 5C KOTOR 4R KOTOR 4L
PODET 5C PETOV 4H OBUTI 3H

RWY 04



CHANGE: TMA classification vertical limits; Parachuting zones; Editorial.

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

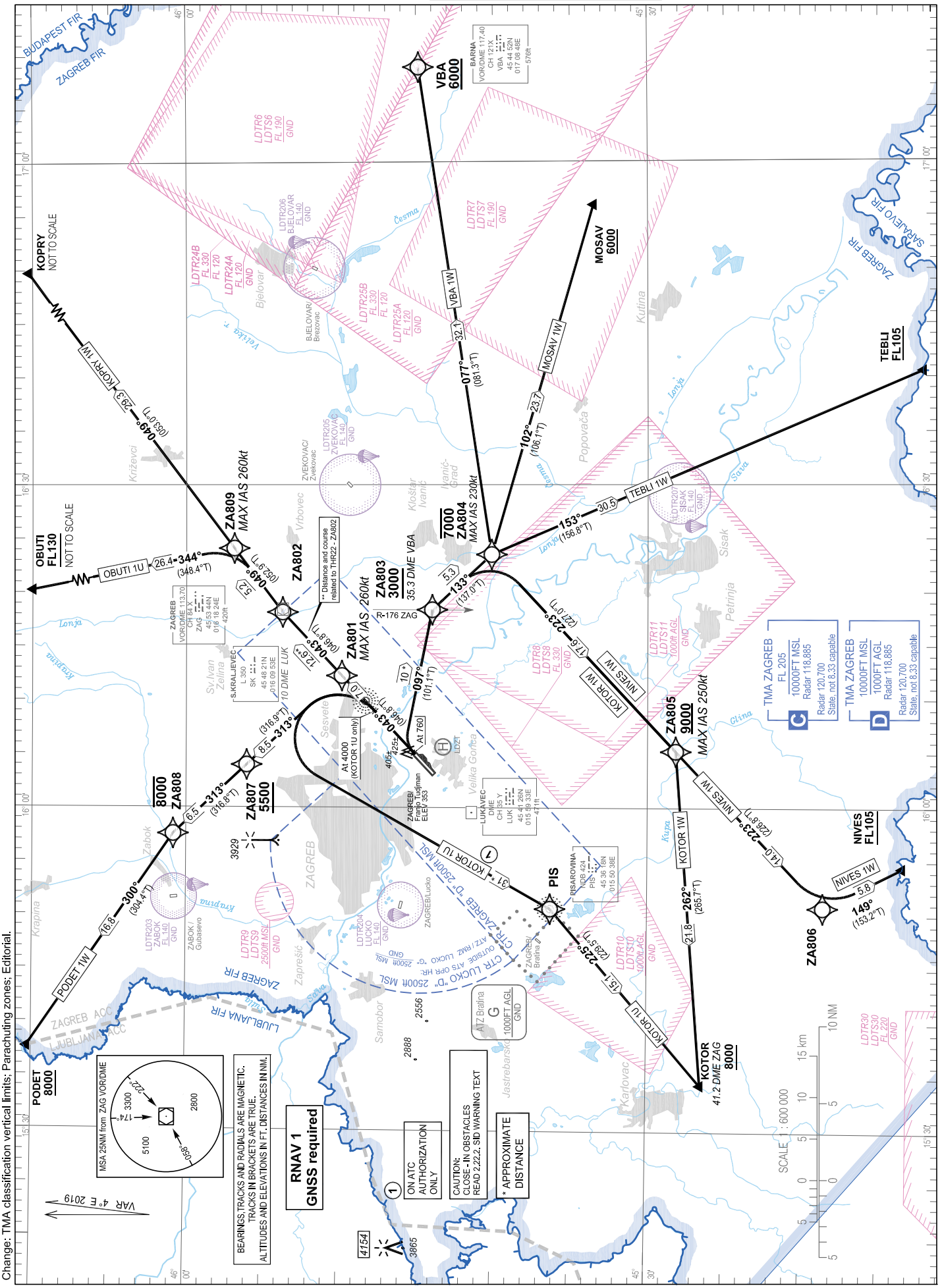
TRANSITION ALTITUDE
10 000

ZAGREB ATIS	124.575	
ZAGREB TOWER	118.300	
ZAGREB RADAR	118.885	
ZAGREB RADAR	120.700	State, not 8.33 capable

ZAGREB / Franjo Tudjman (LDZA)

PODET 1W OBUTI 1U KOPRY 1W
VBA 1W MOSAV 1W TEBLI 1W
NIVES 1W KOTOR 1W KOTOR 1U

RNAV RWY 04



Change: TMA classification vertical limits; Parachuting zones; Editorial.

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ZAGREB / Franjo Tudjman (LDZA)

RNAV RWY 04

PODET 1W OBUTI 1U KOPRY 1W
VBA 1W MOSAV 1W TEBLI 1W
NIVES 1W KOTOR 1W KOTOR 1U

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

- Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 ft/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary this is indicated in the tabular description of the route.
- After take-off climb initially 6000 ft and contact Zagreb Radar on 118.885 MHz (Zagreb Radar 120.700 MHz State, not 8.33 capable).

CAUTION: Close-in obstacle. Read 2.22.2. SID warning text.

WARNING

Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID PODET 1W only:

Climb straight ahead to SK L (10.0 DME LUK). At SK L (10.0 DME LUK) turn LEFT climbing on track 313°. On passing 5500 ft AMSL proceed via RNAV SID PODET 1W or according to ATC instruction. MNM PDG 6.0% (365 ft/NM) to 5500 ft AMSL.

LDZA RNAV STANDARD INSTRUMENT DEPARTURE RWY 04

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	PODET 1W	CF	ZA801	-	043° (046.8°T)	4°E	7.0	-	-	-260	MNM PDG 6.0% (365 ft/NM) to 5500 ft AMSL	RNAV 1
020		TF	ZA807	-	313° (316.9°T)	4°E	8.5	-	+5500	-		
030		TF	ZA808	-	313° (316.8°T)	4°E	6.5	-	-8000	-		
040		TF	PODET	-	300° (304.4°T)	4°E	16.8	-	+8000	-		

LDZA RNAV STANDARD INSTRUMENT DEPARTURE RWY 04

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	OBUTI 1U	CF	ZA802	-	043° (046.8°T)	4°E	12.6	-	-	-	-	RNAV 1
020		TF	ZA809	-	049° (052.9°T)	4°E	5.2	-	-	-260		
030		TF	OBUTI	-	344° (348.4°T)	4°E	26.4	-	+FL130	-		
010	KOPRY 1W	CF	ZA802	-	043° (046.8°T)	4°E	12.6	-	-	-	-	RNAV 1
020		TF	ZA809	-	049° (052.9°T)	4°E	5.2	-	-	-260		
030		TF	KOPRY	-	049° (053.0°T)	4°E	29.3	-	-	-		

Change: TMA classification vertical limits; Parachuting zones; Editorial.

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WARNING

Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SIDs VBA 1W, MOSAV 1W, TEBLI 1W, NIVES 1W and KOTOR 1W only:

Climb straight ahead. At 760 ft AMSL turn RIGHT climbing on track 097°. Cross 35.3 DME VBA (R-176 ZAG) at or above 3000 ft AMSL. After passing 35.3 DME VBA (R-176 ZAG) proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction. MNM PDG 4.0% (243 ft/NM) to 1900 ft AMSL.

LDZA RNAV STANDARD INSTRUMENT DEPARTURE RWY 04

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	VBA 1W	CA	-	-	043° (046.8°T)	4°E	-	-	@760	-	MNM PDG 4.0% (243 ft/NM) to 1900 ft AMSL	RNAV 1
020		CF	ZA803	-	097° (101.1°T)	4°E	-	-	+3000	-		
030		TF	ZA804	-	133° (137.0°T)	4°E	5.3	-	-7000	-230		
040		TF	VBA	-	077° (081.3°T)	4°E	32.1	-	+6000	-		
010	MOSAV 1W	CA	-	-	043° (046.8°T)	4°E	-	-	@760	-	MNM PDG 4.0% (243 ft/NM) to 1900 ft AMSL	RNAV 1
020		CF	ZA803	-	097° (101.1°T)	4°E	-	-	+3000	-		
030		TF	ZA804	-	133° (137.0°T)	4°E	5.3	-	-7000	-230		
040		TF	MOSAV	-	102° (106.1°T)	4°E	23.7	-	+6000	-		
010	TEBLI 1W	CA	-	-	043° (046.8°T)	4°E	-	-	@760	-	MNM PDG 4.0% (243 ft/NM) to 1900 ft AMSL	RNAV 1
020		CF	ZA803	-	097° (101.1°T)	4°E	-	-	+3000	-		
030		TF	ZA804	-	133° (137.0°T)	4°E	5.3	-	-7000	-230		
040		TF	TEBLI	-	153° (156.8°T)	4°E	30.5	-	+FL105	-		
010	NIVES 1W	CA	-	-	043° (046.8°T)	4°E	-	-	@760	-	MNM PDG 4.0% (243 ft/NM) to 1900 ft AMSL	RNAV 1
020		CF	ZA803	-	097° (101.1°T)	4°E	-	-	+3000	-		
030		TF	ZA804	-	133° (137.0°T)	4°E	5.3	-	-7000	-230		
040		TF	ZA805	-	223° (227.0°T)	4°E	17.6	-	+9000	-250		
050		TF	ZA806	-	223° (226.8°T)	4°E	14.0	-	-	-		
060		TF	NIVES	-	149° (153.2°T)	4°E	5.8	-	+FL105	-		
010	KOTOR 1W	CA	-	-	043° (046.8°T)	4°E	-	-	@760	-	MNM PDG 4.0% (243 ftT/NM) to 1900 ftT AMSL	RNAV 1
020		CF	ZA803	-	097° (101.1°T)	4°E	-	-	+3000	-		
030		TF	ZA804	-	133° (137.0°T)	4°E	5.3	-	-7000	-230		
040		TF	ZA805	-	223° (227.0°T)	4°E	17.6	-	+9000	-250		
050		TF	KOTOR	-	262° (265.7°T)	4°E	21.8	-	-	-		

Change: TMA classification vertical limits; Parachuting zones; Editorial.

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ZAGREB / Franjo Tudjman (LDZA)

RNAV RWY 04

PODET 1W OBUTI 1U KOPRY 1W
VBA 1W MOSAV 1W TEBLI 1W
NIVES 1W KOTOR 1W KOTOR 1U

WARNING

Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID KOTOR 1U only:

Climb straight ahead. At 4000 ft AMSL turn LEFT climbing to PIS NDB. On passing 5500 ft AMSL proceed via RNAV SID KOTOR 1U or according to ATC instruction.

LDZA RNAV STANDARD INSTRUMENT DEPARTURE RWY 04

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	KOTOR 1U	CA	-	-	043° (046.8°T)	4°E	-	-	@4000	-	On ATC authorization only	RNAV 1
020		DF	PIS	-	-	4°E	-	L	-	-		
030		TF	KOTOR	-	225° (229.5°T)	4°E	15.1	-	+8000	-		

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
KOPRY	461425N	0165746E
KOTOR	452628N	0153420E
MOSAV	453331N	0165557E
NIVES	451326N	0155427E
OBUTI	462242N	0161627E
PODET	461017N	0153736E
TEBLI	451205N	0164033E
PIS	453618.10N	0155038.39E
VBA	454452.08N	0170848.29E
ZA801	454953.6N	0161214.1E
ZA802	455344.7N	0161807.9E
ZA803	454401.4N	0161822.2E
ZA804	454009.7N	0162330.6E
ZA805	452810.0N	0160514.7E
ZA806	451834.1N	0155046.6E
ZA807	455603.8N	0160357.0E
ZA808	460049.7N	0155731.4E
ZA809	455653.0N	0162405.1E

Change: TMA classification vertical limits; Parachuting zones; Editorial.

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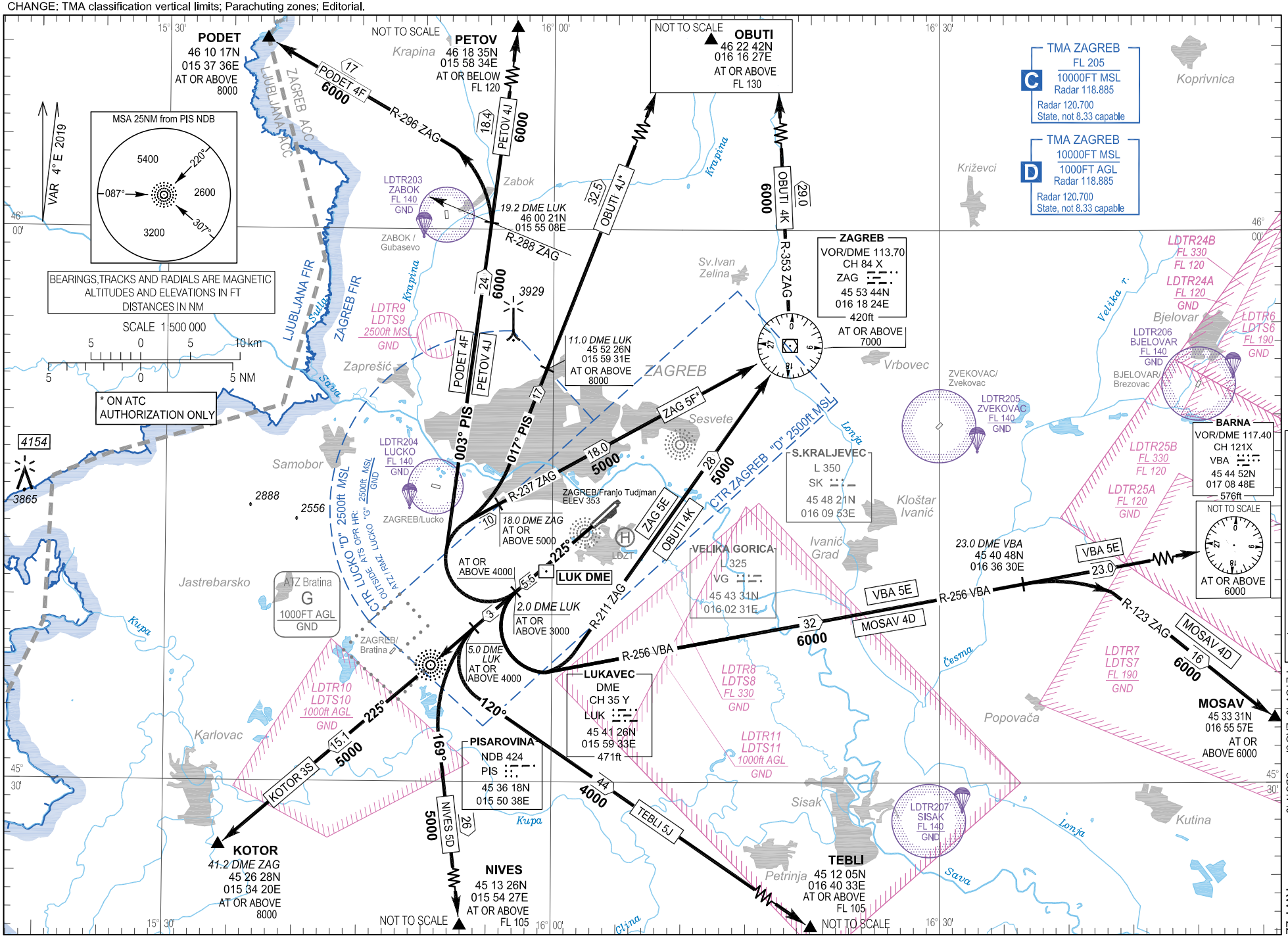
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

CHANGE: TMA classification vertical limits; Parachuting zones; Editorial.



TRANSITION ALTITUDE
10 000

ZAGREB ATIS	124.575
ZAGREB TOWER	118.300
ZAGREB RADAR	118.885
ZAGREB RADAR	120.700 State, not 8.33 capable

ZAGREB / Franjo Tudjman (LDZA)

ZAG 5E	OBUTI 4K	VBA 5E	MOSAV 4D
TEBLI 5J	NIVES 5D	KOTOR 3S	PODET 4F
PETOV 4J	ZAG 5F	OBUTI 4J	

RWY 22

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

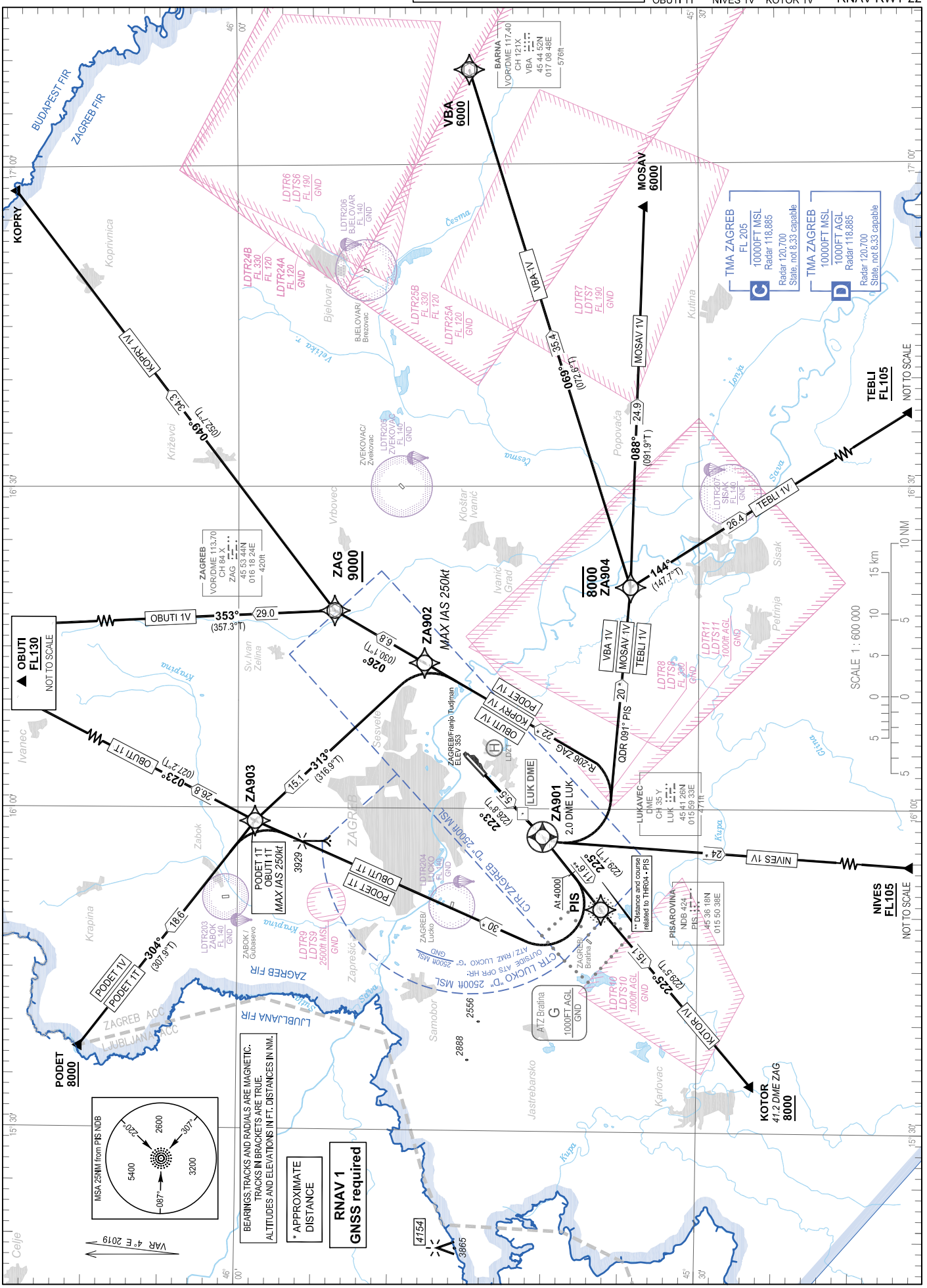
TRANSITION ALTITUDE
10 000

ZAGREB ATIS	124.575
ZAGREB TOWER	118.300
ZAGREB RADAR	118.885
ZAGREB RADAR	120.700 State, not 8.33 capable

ZAGREB / Franjo Tudjman (LDZA)

PODET 1V OBUTI 1V KOPRY 1V VBA 1V
MOSAV 1V TEBLI 1V PODET 1T
OBUTI 1T NIVES 1V KOTOR 1V

RNAV RWY 22



CHANGE: TMA classification vertical limits; Parachuting zones; Editorial.

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RNAV RWY 22

PODET 1V OBUTI 1V KOPRY 1V VBA 1V
MOSAV 1V TEBLI 1V PODET 1T
OBUTI 1T NIVES 1V KOTOR 1V

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

- Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 ft/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary this is indicated in the tabular description of the route.
- After take-off climb initially 6000 ft and contact Zagreb Radar on 118.885 MHz (Zagreb Radar 120.700 MHz State, not 8.33 capable).

WARNING

Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SIDs PODET 1V, OBUTI 1V and KOPRY 1V only:

Climb straight ahead to 2.0 DME LUK (ZA901). At 2.0 DME LUK (ZA901) turn LEFT climbing to intercept and follow R-206 ZAG. On passing 3000 ft AMSL proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction.

LDZA RNAV STANDARD INSTRUMENT DEPARTURE RWY 22

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	PODET 1V	CF	ZA901	Y	223° (226.8°T)	4°E	5.5	-	-	-	MNM PDG 4.0% (243 ft/NM) to 2300 ft AMSL due to G class airspace	RNAV 1
020		DF	ZA902	-	-	4°E	-	L	-	-250		
030		TF	ZA903	-	313° (316.9° T)	4°E	15.1	-	-	-		
040		TF	PODET	-	304° (307.9°T)	4°E	18.6	-	+8000	-		
010	OBUTI 1V	CF	ZA901	Y	223° (226.8°T)	4°E	5.5	-	-	-	MNM PDG 4.0% (243 ft/NM) to 2300 ft AMSL due to G class airspace	RNAV 1
020		DF	ZA902	-	-	4°E	-	L	-	-250		
030		TF	ZAG	-	026° (030.1° T)	4°E	6.8	-	+9000	-		
040		TF	OBUTI	-	353° (357.3°T)	4°E	29.0	-	+FL130	-		
010	KOPRY 1V	CF	ZA901	Y	223° (226.8°T)	4°E	5.5	-	-	-	MNM PDG 4.0% (243 ft/NM) to 2300 ft AMSL due to G class airspace	RNAV 1
020		DF	ZA902	-	-	4°E	-	L	-	-250		
030		TF	ZAG	-	026° (030.1° T)	4°E	6.8	-	+9000	-		
040		TF	KOPRY	-	049° (052.7°T)	4°E	34.3	-	-	-		

CHANGE: TMA classification vertical limits; Parachuting zones; Editorial.

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WARNING

Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SIDs VBA 1V, MOSAV 1V and TEBLI 1V only:

Climb straight ahead to 2.0 DME LUK (ZA901). At 2.0 DME LUK (ZA901) turn LEFT climbing to intercept and follow bearing QDR 091° PIS NDB. On passing 3000 ft AMSL proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction.

LDZA RNAV STANDARD INSTRUMENT DEPARTURE RWY 22

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	VBA 1V	CF	ZA901	Y	223° (226.8°T)	4°E	5.5	-	-	-	MNM PDG 4.0% (243 ft/NM) to 2300 ft AMSL due to G class airspace	RNAV 1
020		DF	ZA904	-	-	4°E	-	L	-8000	-		
030		TF	VBA	-	069° (072.6°T)	4°E	35.4	-	+6000	-		
010	MOSAV 1V	CF	ZA901	Y	223° (226.8°T)	4°E	5.5	-	-	-	MNM PDG 4.0% (243 ft/NM) to 2300 ft AMSL due to G class airspace	RNAV 1
020		DF	ZA904	-	-	4°E	-	L	-8000	-		
030		TF	MOSAV	-	088° (091.9°T)	4°E	24.9	-	+6000	-		
010	TEBLI 1V	CF	ZA901	Y	223° (226.8°T)	4°E	5.5	-	-	-	MNM PDG 4.0% (243 ft/NM) to 2300 ft AMSL due to G class airspace	RNAV 1
020		DF	ZA904	-	-	4°E	-	L	-8000	-		
030		TF	TEBLI	-	144° (147.7°T)	4°E	26.4	-	+FL105	-		

CHANGE: TMA classification vertical limits; Parachuting zones; Editorial.

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RNAV RWY 22

PODET 1V OBUTI 1V KOPRY 1V VBA 1V
MOSAV 1V TEBLI 1V PODET 1T
OBUTI 1T NIVES 1V KOTOR 1V

LDZA RNAV STANDARD INSTRUMENT DEPARTURE RWY 22

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	PODET 1T	CA	-	-	223° (226.8°T)	4°E	-	-	@4000	-	MNM PDG 6.7% (407 ft/NM) to 5000 ft AMSL	RNAV 1
020		DF	ZA903	-	-	4°E	-	R	-	-250		
030		TF	PODET	-	304° (307.9°T)	4°E	18.6	-	+8000	-		
010	OBUTI 1T	CA	-	-	223° (226.8°T)	4°E	-	-	@4000	-	MNM PDG 6.7% (407 ft/NM) to 5000 ft AMSL	RNAV 1
020		DF	ZA903	-	-	4°E	-	R	-	-250		
030		TF	OBUTI	-	023° (027.2°T)	4°E	26.8	-	+FL130	-		
010	NIVES 1V	CF	ZA901	Y	223° (226.8°T)	4°E	5.5	-	+2500	-	MNM PDG 6.4% (389 ft/NM) to 2500 ft AMSL	RNAV 1
020		DF	NIVES	-	-	4°E	-	L	+FL105	-		
010	KOTOR 1V	CF	PIS	-	225° (229.1°T)	4°E	11.6	-	-	-	-	RNAV 1
030		TF	KOTOR	-	225° (229.5°T)	4°E	15.1	-	+8000	-		

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
KOPRY	461425N	0165746E
KOTOR	452628N	0153420E
MOSAV	453331N	0165557E
NIVES	451326N	0155427E
OBUTI	462242N	0161627E
PODET	461017N	0153736E
TEBLI	451205N	0164033E
PIS	453618.10N	0155038.39E
VBA	454452.08N	0170848.29E
ZAG	455344.01N	0161824.11E
ZA901	454007.9N	0155722.9E
ZA902	454752.4N	0161331.9E
ZA903	455852.9N	0155844.4E
ZA904	453427.5N	0162035.1E

CHANGE: TMA classification vertical limits; Parachuting zones; Editorial.

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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

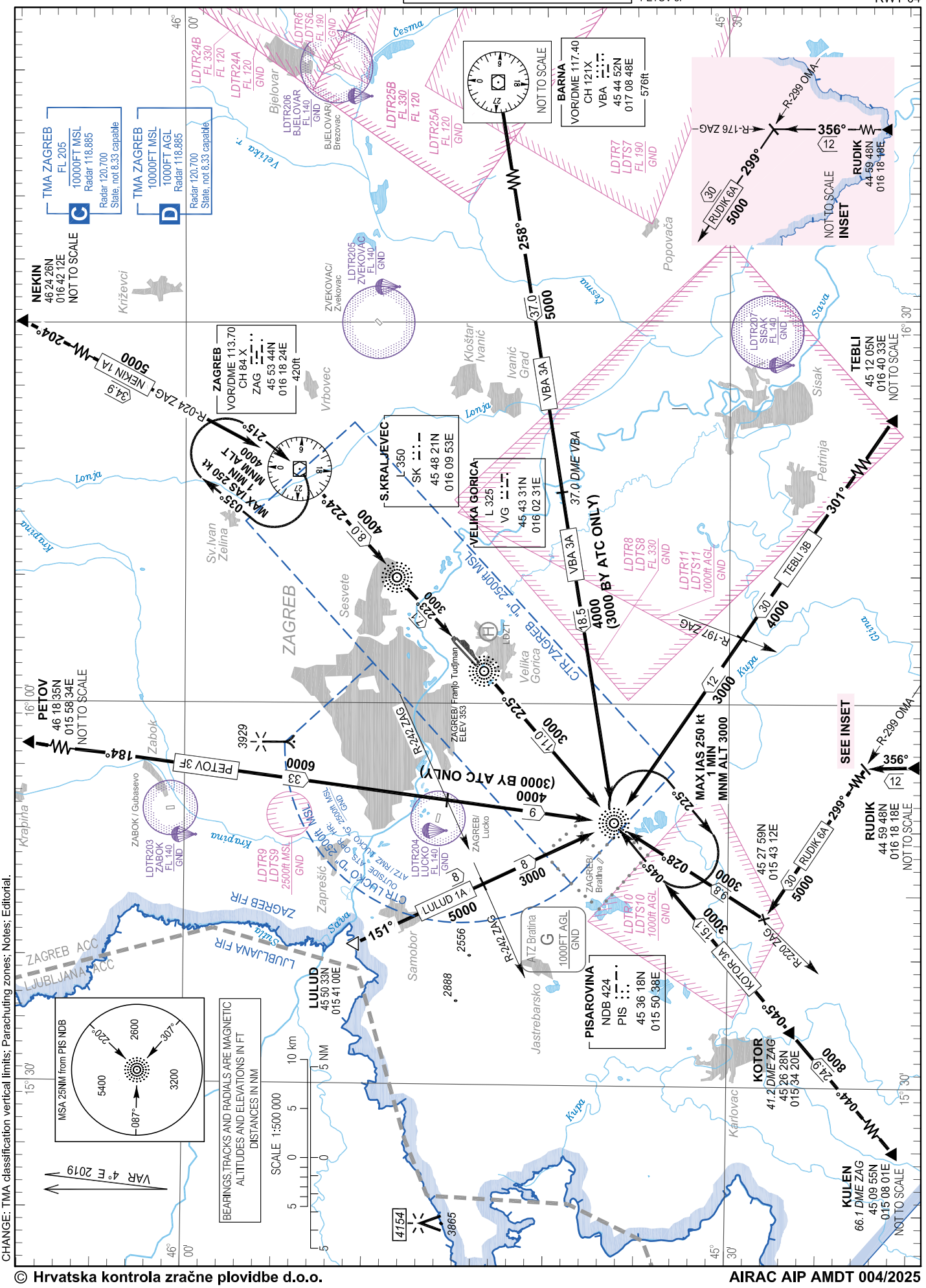
TRANSITION ALTITUDE
10 000

ZAGREB ATIS	124.575
ZAGREB RADAR	118.885
ZAGREB RADAR	120.700 State, not 8.33 capable
ZAGREB TOWER	118.300

ZAGREB / Franjo Tudjman (LDZA)

NEKIN 1A VBA 3A TEBLI 3B
RUDIK 6A KOTOR 3A LULUD 1A
PETOV 3F

RWY 04



CHANGE: TMA classification vertical limits; Parachuting zones; Notes; Editorial.

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CHANGE: TMA classification vertical limits; Parachuting zones; Notes; HLDG ZA612 speed limitation added; Coding tables updated; Editorial.

STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

ZAGREB ATIS 124.575
ZAGREB RADAR 118.885
ZAGREB RADAR 120.700 State, not 8.33 capable
ZAGREB TOWER 118.300

ZAGREB / Franjo Tudjman (LDZA)

RNAV RWY 04

VEBAL 1Z
RUDIK 2Z
PETOV 2Z
VBA 2Z
KOTOR 1Z
NEKIN 1Z
TEBLI 2Z
LULUD 2Z

Notes:

1. STARs RNAV RWY 04 not to be used when RADAR service unavailable.
2. After direct clearance to a waypoint, intercept and follow arrival to EKSON
3. For APPROACH TRANSITION from GODLA and TAFNI see LDZA AD 2.24.12 IAC RNP RWY 04 and LDZA AD 2.24.12 IAC ILS z or LOC z RWY 04

RNAV 1
GNSS required

MSA 25NM from EKSON
EKSON 5400
VAR 4° E 2019

NOT TO SCALE
PETOV
148° (151.5°T) 20.1 PETOV 2Z
ZA603

NOT TO SCALE
NEKIN
218° (221.6°T) 31.4 NEKIN 1Z
ZA603

ZA603
PETOV 2Z 14.6 NEKIN 1Z
223° (226.9°T)
ZA609 9000
by ATC only MAX IAS 250kt 1 MIN 9000
043° (046.7°T) 3929

ZA609 9000
PETOV 2Z NEKIN 1Z
223° (226.9°T) 8.4
ZA610
PETOV 2Z, NEKIN 1Z: *MAX IAS 250kt*
LULUD 2Z: *MAX IAS 220kt*

ZA610
LULUD 2Z 7.6 132° (136.5°T)
LULUD 2Z
ZA601 5500

ZA610
5.0 223° (226.6°T)
GODLA
IAF on ATC authorization only
5500

ZA601 5500
LULUD 2Z PETOV 2Z NEKIN 1Z 8.0 132° (136.5°T)
EKSON IAF 4000

EKSON IAF 4000
KOTOR 1Z 10.1 049° (053.3°T)
KOTOR

EKSON IAF 4000
5.0 313° (316.6°T)
MAX IAS 230kt 1 MIN 4000
043° (046.5°T)
5.0 223° (226.6°T)
ZA611

ZA611
5.0 223° (226.7°T)
TAFNI
IAF on ATC authorization only
4000
MAX IAS 230kt

ZA611
RUDIK 2Z 14.5 313° (316.6°T)
8000 ZA615

8000 ZA615
6.7 313° (316.6°T)
TEBLI 2Z 14.3 223° (227.2°T)
ZA617
MAX IAS 250kt

ZA617
TEBLI 2Z 15.0 313° (317.4°T)
TEBLI

8000 ZA615
6.7 313° (316.6°T)
ZA616
SEE INSET

ZA616
RUDIK 2Z 14.5 336° (339.9°T)
RUDIK

ZA613 8000
VEBAL 1Z 13.5 223° (227.0°T)
VBA 2Z
ZA612 8000

ZA612 8000
by ATC only MAX IAS 250kt 1 MIN 8000
043° (046.9°T)
12.6 223° (226.9°T)
VBA 2Z VEBAL 1Z
ZA613 8000

ZA613 8000
VEBAL 1Z 11.6 275° (279.1°T)
ZA614

ZA614
VBA 2Z 20.9 275° (279.4°T)
VBA

ZA614
VEBAL 1Z 29.1 243° (247.5°T)
VEBAL
NOT TO SCALE

NOT TO SCALE
INSET
ZA617
8000 ZA615
6.7 313° (316.6°T)
TEBLI 2Z 14.3 223° (227.2°T)
ZA616
RUDIK 2Z 14.5 336° (339.9°T)
RUDIK

BEARINGS, TRACKS AND RADIALS ARE MAGNETIC.
TRACKS IN BRACKETS ARE TRUE.
ALTITUDES AND ELEVATIONS IN FT. DISTANCES IN NM.

SCALE 1 : 600 000
5 0 5 10 15 km
5 0 5 10 NM

TMA ZAGREB
C
FL 205
10000FT MSL
Radar 118.885
Radar 120.700
State, not 8.33 capable

TMA ZAGREB
D
10000FT MSL
1000FT AGL
Radar 118.885
Radar 120.700
State, not 8.33 capable

ZAGREB
VOR/DME 113.70
CH 84 X
ZAG
45 53 44N
016 18 24E
420ft

BARNA
VOR/DME 117.40
CH 121X
VBA
45 44 52N
017 08 48E
576ft

ZAGREB/Franjo Tudjman
ELEV 353
DME 109.5 IZA CH 32 X 374ft
LDZT

DME LUK CH 35 Y 471ft

ATZ Bratina
G
1000FT AGL
GND

CTR LUCKO "D" 2500ft MSL
Outside ATS CMA /R:
"A" ATZ RNU "B" LUCKO
"C" 3500ft MSL
"D" GND

CTR ZAGREB "D" 2500ft MSL

LDTR9 LDTS9 2500ft MSL GND
LDTR10 LDTS10 1000ft AGL GND
LDTR8 LDTS8 FL 330 GND
LDTR11 LDTS11 1000ft AGL GND
LDTR24B FL 330 FL 120
LDTR24A FL 120 GND
LDTR6 LDTS6 FL 190 GND
LDTR25B FL 330 FL 120
LDTR25A FL 120 GND
LDTR7 LDTS7 FL 190 GND
LDTR30 LDTS30 FL 220 GND
LDTR203 ZABOK FL 140 GND
LDTR204 LUCKO FL 140 GND
LDTR205 ZVEKOVAC FL 140 GND
LDTR206 BJELOVAR FL 140 GND
LDTR207 SISAK FL 140 GND

LJUBLJANA FIR
ZAGREB FIR
BUDAPEST FIR
SARAJEVO FIR
ZAGREB ACC

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ZAGREB / Franjo Tudjman (LDZA)

RNAV RWY 04

VEBAL 1Z VBA 2Z TEBLI 2Z
RUDIK 2Z KOTOR 1Z LULUD 2Z
PETOV 2Z NEKIN 1Z

LDZA RNAV STANDARD ARRIVAL RWY 04

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	VEBAL 1Z	IF	VEBAL	-	-	4°E	-	-	-	-	-	
020		TF	ZA614	-	243° (247.5°T)	4°E	29.1	-	-	-	-	
030		TF	ZA613	-	275° (279.1°T)	4°E	11.6	-	+8000	-	-	
040		TF	ZA612	-	223° (227.0°T)	4°E	13.5	-	+8000	-	-	RNAV 1
050		TF	TAFNI	-	223° (226.9°T)	4°E	12.6	-	+4000	-230	IAF on ATC authorization only	
060		TF	ZA611	-	223° (226.7°T)	4°E	5.0	-	-	-	-	
070		TF	EKSON	-	313° (316.6°T)	4°E	5.0	-	+4000	-	IAF	
010	VBA 2Z	IF	VBA	-	-	4°E	-	-	-	-	-	
020		TF	ZA614	-	275° (279.4°T)	4°E	20.9	-	-	-	-	
030		TF	ZA613	-	275° (279.1°T)	4°E	11.6	-	+8000	-	-	
040		TF	ZA612	-	223° (227.0°T)	4°E	13.5	-	+8000	-	-	RNAV 1
050		TF	TAFNI	-	223° (226.9°T)	4°E	12.6	-	+4000	-230	IAF on ATC authorization only	
060		TF	ZA611	-	223° (226.7°T)	4°E	5.0	-	-	-	-	
070		TF	EKSON	-	313° (316.6°T)	4°E	5.0	-	+4000	-	IAF	
010	TEBLI 2Z	IF	TEBLI	-	-	4°E	-	-	-	-	-	
020		TF	ZA617	-	313° (317.4°T)	4°E	15.0	-	-	-250	-	
030		TF	ZA616	-	223° (227.2°T)	4°E	14.3	-	-	-	-	
040		TF	ZA615	-	313° (316.9°T)	4°E	6.7	-	-8000	-	-	RNAV 1
050		TF	ZA611	-	313° (316.8°T)	4°E	14.5	-	-	-	-	
060		TF	EKSON	-	313° (316.6°T)	4°E	5.0	-	+4000	-	IAF	
010	RUDIK 2Z	IF	RUDIK	-	-	4°E	-	-	-	-	-	
020		TF	ZA616	-	336° (339.9°T)	4°E	14.5	-	-	-	-	
030		TF	ZA615	-	313° (316.9°T)	4°E	6.7	-	-8000	-	-	RNAV 1
040		TF	ZA611	-	313° (316.8°T)	4°E	14.5	-	-	-	-	
050		TF	EKSON	-	313° (316.6°T)	4°E	5.0	-	+4000	-	IAF	

CHANGE: TMA classification vertical limits; Parachuting zones; Notes; HLDG ZA612 speed limitation added; Coding tables updated; Editorial.

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ZAGREB / Franjo Tudjman (LDZA)

VEBAL 1Z VBA 2Z TEBLI 2Z
RUDIK 2Z KOTOR 1Z LULUD 2Z
PETOV 2Z NEKIN 1Z

RNAV RWY 04

LDZA RNAV STANDARD ARRIVAL RWY 04

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	KOTOR 1Z	IF	KOTOR	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	EKSON	-	049° (053.3°T)	4°E	10.1	-	+4000	-	IAF	
010	LULUD 2Z	IF	LULUD	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA610	-	133° (136.5°T)	4°E	7.5	-	-	-220	-	
030		TF	GODLA	-	223° (226.6°T)	4°E	5.0	-	+5500	-	IAF on ATC authorization only	
040		TF	ZA601	-	223° (226.5°T)	4°E	5.0	-	+5500	-	-	
050		TF	EKSON	-	132° (136.5°T)	4°E	8.0	-	+4000	-	IAF	
010	PETOV 2Z	IF	PETOV	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA603	-	148° (151.5°T)	4°E	20.1	-	-	-	-	
030		TF	ZA609	-	223° (226.9°T)	4°E	14.6	-	+9000	-	-	
040		TF	ZA610	-	223° (226.7°T)	4°E	8.4	-	-	-250	-	
050		TF	GODLA	-	223° (226.6°T)	4°E	5.0	-	+5500	-	IAF on ATC authorization only	
060		TF	ZA601	-	223° (226.5°T)	4°E	5.0	-	+5500	-	-	
070		TF	EKSON	-	132° (136.5°T)	4°E	8.0	-	+4000	-	IAF	
010	NEKIN 1Z	IF	NEKIN	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA603	-	218° (221.6°T)	4°E	31.4	-	-	-	-	
030		TF	ZA609	-	223° (226.9°T)	4°E	14.6	-	+9000	-	-	
040		TF	ZA610	-	223° (226.7°T)	4°E	8.4	-	-	-250	-	
050		TF	GODLA	-	223° (226.6°T)	4°E	5.0	-	+5500	-	IAF on ATC authorization only	
060		TF	ZA601	-	223° (226.5°T)	4°E	5.0	-	+5500	-	-	
070		TF	EKSON	-	132° (136.5°T)	4°E	8.0	-	+4000	-	IAF	

IAF on ATC authorization only:
For APPROACH TRANSITION from TAFNI and GODLA see LDZA AD 2.24.12 IAC RNP RWY 04 and LDZA AD 2.24.12 IAC ILS z or LOC z RWY 04

CHANGE: TMA classification vertical limits; Parachuting zones; Notes; HLDG ZA612 speed limitation added; Coding tables updated; Editorial.

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ZAGREB / Franjo Tudjman (LDZA)

RNAV RWY 04

VEBAL 1Z VBA 2Z TEBLI 2Z
RUDIK 2Z KOTOR 1Z LULUD 2Z
PETOV 2Z NEKIN 1Z

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ Distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
EKSON	HM	043° (046.5°T)	1MIN / -	R	4000	-	230	4°E	-	RNAV 1
ZA612	HM	223° (227.0°T)	1MIN / -	L	8000	-	250	4°E	HLDG by ATC only	RNAV 1
ZA609	HM	223° (226.9°T)	1MIN / -	R	9000	-	250	4°E	HLDG by ATC only	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
LULUD	455033N	0154100E
EKSON	453227.7N	0154548.4E
TAFNI	453215.6N	0155551.9E
GODLA	454142.4N	0154308.3E
KOTOR	452628N	0153420E
NEKIN	462426N	0164212E
PETOV	461835N	0155834E
RUDIK	445948N	0161818E
TEBLI	451205N	0164033E
VEBAL	455929N	0171748E
VBA	454452.08N	0170848.29E
ZA601	453815.9N	0153757.8E
ZA603	460054.6N	0161219.5E
ZA609	455056.0N	0155705.8E
ZA610	454508.5N	0154819.2E
ZA611	452849.7N	0155041.5E
ZA612	454051.7N	0160854.5E
ZA613	455003.0N	0162257.1E
ZA614	454813.7N	0163923.8E
ZA615	451816.2N	0160448.1E
ZA616	451324.2N	0161115.8E
ZA617	452308.1N	0162606.2E

CHANGE: TMA classification vertical limits; Parachuting zones; Notes; HLDG ZA612 speed limitation added; Coding tables updated; Editorial.

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CHANGE: TMA classification vertical limits; Parachuting zones; Notes; Editorial.

STANDARD ARRIVAL CHART INSTRUMENT (STAR) - ICAO

ZAGREB / Franjo Tuđman (LDZA)

TRANSITION ALTITUDE 10 000

ZAGREB ATIS	124.575
ZAGREB RADAR	118.885
ZAGREB RADAR	120.700
ZAGREB TOWER	118.300

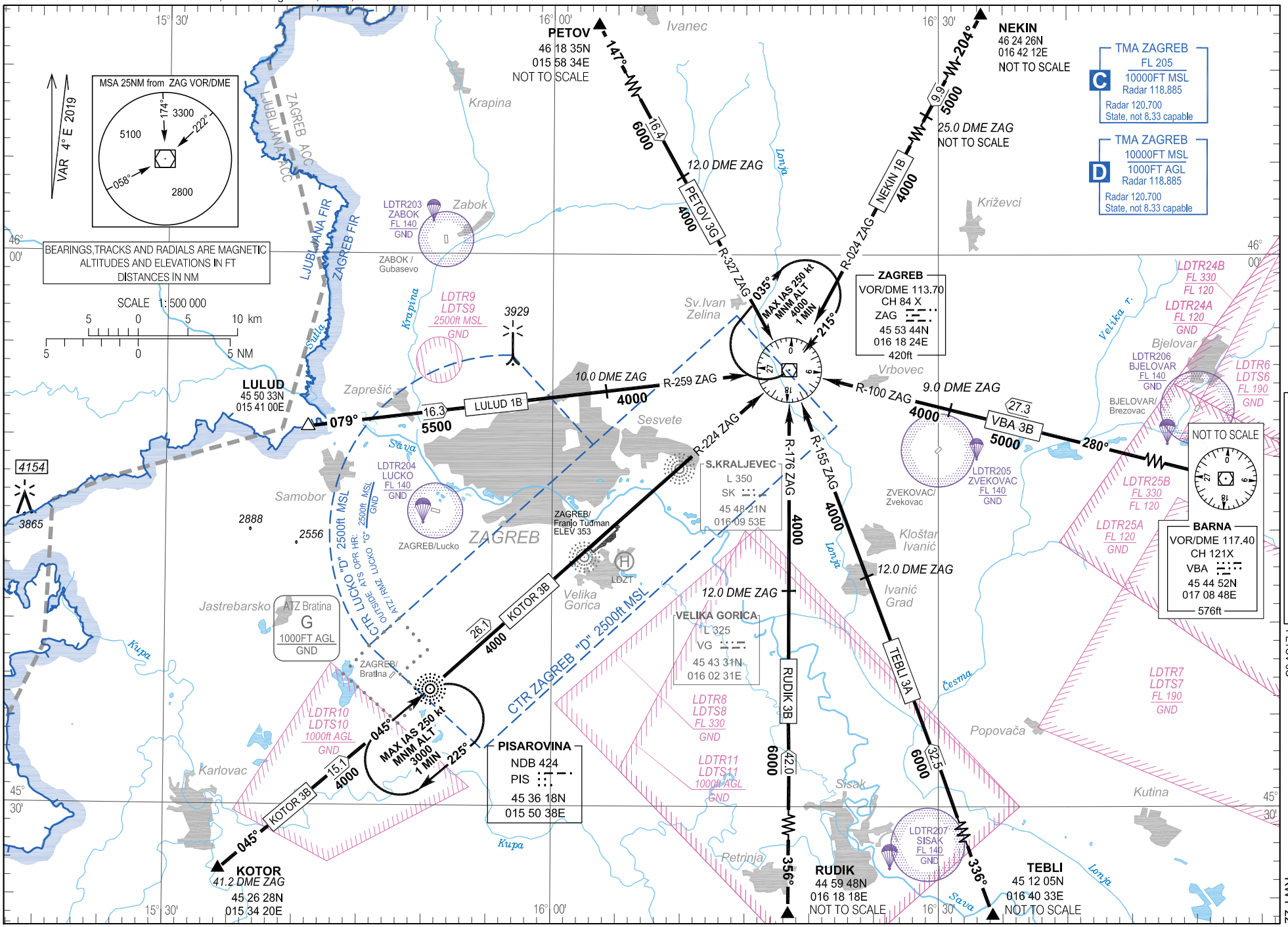
State, not 8.33 capable

NEKIN 1B
RUDIK 3B
PETOV 3G

VBA 3B
KOTOR 3B

TEBLI 3A
LULUD 1B

RWY 22



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CHANGE: TMA classification vertical limits; Parachuting zones; Notes; HLDG ZA712 speed limitation added; Coding tables updated; Editorial.

STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

ZAGREB ATIS	124.575
ZAGREB RADAR	118.885
ZAGREB RADAR	120.700 State, not 8.33 capable
ZAGREB TOWER	118.300

ZAGREB / Franjo Tudjman (LDZA)

PETOV 2Y	NEKIN 2Y	VEBAL 1Y	
VBA 2Y	TEBLI 2Y	RUDIK 2Y	
KOTOR 2X	KOTOR 2Y	LULUD 1Y	RNAV RWY 22

Notes:
1. STARs RNAV RWY 22 not to be used when RADAR service unavailable.
2. After direct clearence to a waypoint, intercept and follow arrival to RERNA
3. For APPROACH TRANSITION from ODOKA and TINBO see LDZA AD 2.24.12 IAC RNP RWY 22 and LDZA AD 2.24.12 IAC ILS z or LOC z RWY 22

RNAV 1 GNSS required

PETOV NOT TO SCALE — 136° (140.4°T) 22.2 — PETOV 2Y — ZA711 5500 — NEKIN 2Y: MAX IAS 240kt

NEKIN NOT TO SCALE — 211° (215.2°T) 28.1 — NEKIN 2Y — ZA711

ODOKA IAF on ATC authorization only 5500 — MAX IAS 230kt — 5.0 — 043° (046.9°T) — LULUD 1Y / KOTOR 2Y — ZA710 8000

MAX IAS 250kt 1 MIN 4000 — 043° (047.0°T) — 133° (137.0°T) 5.3 — 223° (227.1°T) — IAF RERNA 4000 — 313° (311.1°T) 7.0 — ZA706

VEBAL NOT TO SCALE — VEBAL 1Y — 33.5 — 254° (258.2°T)

ZA706 — VBA 2Y — 11.0 — 282° (285.9°T) — ZA707 5000 — VBA 2Y — 16.6 — 282° (286.2°T) — VBA

TINBO IAF on ATC authorization only 4000 — 5.0 — 043° (047.1°T) — KOTOR 2X / RUDIK 2Y / TEBLI 2Y — 15.0 — ZA712 9000

ZA712 — 043° (046.8°T) — 4.6 — 043° (046.8°T) — ZA713 — by ATC only MAX IAS 250kt 1 MIN 9000 — 223° (226.9°T) — 309° (313.2°T) 8.0 — ZA714 MAX IAS 230kt

ZA714 — RUDIK 2Y — 30.5 — 350° (353.6°T) — RUDIK NOT TO SCALE

ZA714 — TEBLI 2Y — 26.3 — 310° (313.5°T) — TEBLI NOT TO SCALE

ZA710 8000 — LULUD 1Y — 10.2 — 133° (136.5°T) — LULUD

ZA709 — KOTOR 2Y — 8.2 — 043° (046.5°T) — ZA708 — KOTOR 2Y — 12.4 — 023° (027.5°T) — KOTOR FL110

ZA709 — KOTOR 2Y — 11.3 — 043° (046.7°T) — ZA704 — KOTOR 2X — 13.5 — 080° (083.8°T) — KOTOR FL110

MSA 25NM from RERNA — 5100 — VAR 4° E 2019

TMA ZAGREB
FL 205
C 10000FT MSL Radar 118.885
Radar 120.700 State, not 8.33 capable

TMA ZAGREB
10000FT MSL
D 1000FT AGL Radar 118.885
Radar 120.700 State, not 8.33 capable

CTR LUCKO "D" 2500ft MSL OUTSIDE ATS OPR HR: ATZ / RMZ LUCKO "G" 2500ft MSL GND

CTR ZAGREB "D" 2500ft MSL

ATZ Bratina G 1000FT AGL GND

LDTR203 ZABOK FL 140 GND — ZABOK / Gubasevo

LDTR204 LUCKO FL 140 GND — ZAGREB/Lucko

LDTR205 ZVEKOVAC FL 140 GND — ZVEKOVAC/ Zvekovac

LDTR206 BJELOVAR FL 140 GND — BJELOVAR/ Brezovac

LDTR9 LDTS9 2500ft MSL GND

LDTR10 LDTS10 1000ft AGL GND

LDTR11 LDTS11 1000ft AGL GND

LDTR8 LDTS8 FL 330 GND

LDTR24B FL 330 FL 120

LDTR24A FL 120 GND

LDTR6 LDTS6 FL 190 GND

LDTR7 LDTS7 FL 190 GND

LDTR25B FL 330 FL 120

LDTR25A FL 120 GND

LDTR207 SISAK FL 140 GND

ZAGREB VOR/DME 113.70 CH 84 X ZAG 45 53 44N 016 18 24E 420ft

BARNA VOR/DME 117.40 CH 121X VBA 45 44 52N 017 08 48E 576ft

ZAGREB/Franjo Tudjman ELEV 353

DME 109.5 IZA CH 32 X 374ft

DME LUK CH 35 Y 471ft

BEARINGS,TRACKS AND RADIALS ARE MAGNETIC.
TRACKS IN BRACKETS ARE TRUE.
ALTITUDES AND ELEVATIONS IN FT. DISTANCES IN NM.

SCALE 1 : 600 000

5 0 5 10 15 km

5 0 5 10 NM

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ZAGREB / Franjo Tudjman (LDZA)

RNAV RWY 22

PETOV 2Y NEKIN 2Y VEBAL 1Y
VBA 2Y TEBLI 2Y RUDIK 2Y
KOTOR 2X KOTOR 2Y LULUD 1Y

LDZA RNAV STANDARD ARRIVAL RWY 22

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	PETOV 2Y	IF	PETOV	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA711	-	136° (140.4°T)	4°E	22.2	-	+5500	-	-	
030		TF	RERNA	-	133° (137.0°T)	4°E	5.3	-	+4000	-	IAF	
010	NEKIN 2Y	IF	NEKIN	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA711	-	211° (215.2°T)	4°E	28.1	-	+5500	-240	-	
030		TF	RERNA	-	133° (137.0°T)	4°E	5.3	-	+4000	-	IAF	
010	VEBAL 1Y	IF	VEBAL	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA706	-	254° (258.2°T)	4°E	33.5	-	-	-	-	
030		TF	RERNA	-	313° (317.1°T)	4°E	7.0	-	+4000	-	IAF	
010	VBA 2Y	IF	VBA	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA707	-	282° (286.2°T)	4°E	16.6	-	+5000	-	-	
030		TF	ZA706	-	282° (285.9°T)	4°E	11.0	-	-	-	-	
040		TF	RERNA	-	313° (317.1°T)	4°E	7.0	-	+4000	-	IAF	
010	TEBLI 2Y	IF	TEBLI	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA714	-	310° (313.5°T)	4°E	26.3	-	-	-230	-	
030		TF	ZA713	-	309° (313.2°T)	4°E	8.0	-	-	-	-	
040		TF	ZA712	-	043° (046.8°T)	4°E	4.6	-	+9000	-	-	
050		TF	TINBO	-	043° (046.9°T)	4°E	15.0	-	+4000	-	IAF on ATC authorization only	
060		TF	ZA706	-	043° (047.1°T)	4°E	5.0	-	-	-	-	
070		TF	RERNA	-	313° (317.1°T)	4°E	7.0	-	+4000	-	IAF	

CHANGE: TMA classification vertical limits; Parachuting zones; Notes; HLDG ZA712 speed limitation added; Coding tables updated; Editorial.

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LDZA RNAV STANDARD ARRIVAL RWY 22

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	RUDIK 2Y	IF	RUDIK	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA714	-	350° (353.6°T)	4°E	30.5	-	-	-230	-	
030		TF	ZA713	-	309° (313.2°T)	4°E	8.0	-	-	-	-	
040		TF	ZA712	-	043° (046.8°T)	4°E	4.6	-	+9000	-	-	
050		TF	TINBO	-	043° (046.9°T)	4°E	15.0	-	+4000	-	IAF on ATC authorization only	
060		TF	ZA706	-	043° (047.1°T)	4°E	5.0	-	-	-	-	
070		TF	RERNA	-	313° (317.1°T)	4°E	7.0	-	+4000	-	IAF	
010	KOTOR 2X	IF	KOTOR	-	-	4°E	-	-	+FL110	-	-	RNAV 1
020		TF	ZA704	-	080° (083.8°T)	4°E	13.5	-	-	-	-	
030		TF	ZA713	-	043° (046.7°T)	4°E	11.3	-	-	-	-	
040		TF	ZA712	-	043° (046.8°T)	4°E	4.6	-	+9000	-	-	
050		TF	TINBO	-	043° (046.9°T)	4°E	15.0	-	+4000	-	IAF on ATC authorization only	
060		TF	ZA706	-	043° (047.1°T)	4°E	5.0	-	-	-	-	
070		TF	RERNA	-	313° (317.1°T)	4°E	7.0	-	+4000	-	IAF	
010	KOTOR 2Y	IF	KOTOR	-	-	4°E	-	-	+FL110	-	-	RNAV 1
020		TF	ZA708	-	023° (027.5°T)	4°E	12.4	-	-	-	-	
030		TF	ZA709	-	043° (046.5°T)	4°E	8.2	-	-	-	-	
040		TF	ZA710	-	043° (046.6°T)	4°E	10.7	-	+8000	-	-	
050		TF	ODOKA	-	043° (046.8°T)	4°E	11.0	-	+5500	-230	IAF on ATC authorization only	
060		TF	ZA711	-	043° (046.9°T)	4°E	5.0	-	+5500	-	-	
070		TF	RERNA	-	133° (137.0°T)	4°E	5.3	-	+4000	-	IAF	

CHANGE: TMA classification vertical limits; Parachuting zones; Notes; HLDG ZA712 speed limitation added; Coding tables updated; Editorial.

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ZAGREB / Franjo Tudjman (LDZA)

RNAV RWY 22

PETOV 2Y NEKIN 2Y VEBAL 1Y
VBA 2Y TEBLI 2Y RUDIK 2Y
KOTOR 2X KOTOR 2Y LULUD 1Y

LDZA RNAV STANDARD ARRIVAL RWY 22

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	LULUD 1Y	IF	LULUD	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA709	-	133° (136.5°T)	4°E	10.2	-	-	-	-	
030		TF	ZA710	-	043° (046.6°T)	4°E	10.7	-	+8000	-	-	
040		TF	ODOKA	-	043° (046.8°T)	4°E	11.0	-	+5500	-230	IAF on ATC authorization only	
050		TF	ZA711	-	043° (046.9°T)	4°E	5.0	-	+5500	-	-	
060		TF	RERNA	-	133° (137.0°T)	4°E	5.3	-	+4000	-	IAF	

IAF on ATC authorization only: For APPROACH TRANSITION from ODOKA and TINBO see LDZA AD 2.24.12 IAC RNP RWY 22, LDZA AD 2.24.12 IAC ILS z or LOC z RWY 22

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
RERNA	HM	223° (227.1°T)	1 MIN / -	R	4000	-	250	4°E	-	RNAV 1
ZA712	HM	043° (046.8°T)	1 MIN / -	R	9000	-	250	4°E	HLDG by ATC only	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
LULUD	455033N	0154100E
ODOKA	455801.1N	0161340.1E
KOTOR	452628N	0153420E
NEKIN	462426N	0164212E
PETOV	461835N	0155834E
RERNA	455735.6N	0162402.7E
RUDIK	445948N	0161818E
TEBLI	451205N	0164033E
TINBO	454903.8N	0162538.1E
VEBAL	455929N	0171748E
VBA	454452.08N	0170848.29E
ZA704	452754.1N	0155326.4E
ZA706	455228.0N	0163052.5E
ZA707	454927.1N	0164604.1E
ZA708	453730.0N	0154230.8E
ZA709	454308.4N	0155101.1E
ZA710	455030.0N	0160211.0E
ZA711	460125.9N	0161854.6E
ZA712	453848.4N	0160957.1E
ZA713	453537.7N	0160507.4E
ZA714	453008.1N	0161327.7E

CHANGE: TMA classification vertical limits; Parachuting zones; Notes; HLDG ZA712 speed limitation added; Coding tables updated; Editorial.

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ATC SURVEILLANCE MINIMUM ALTITUDE CHART - ICAO

TRANSITION ALTITUDE
10 000

AD ELEV 353

ZAGREB / Franjo Tudjman (LDZA)

ZAGREB ATIS	124.575
ZAGREB RADAR	118.885
ZAGREB RADAR	120.700 State, not 8.33 capable
ZAGREB TOWER	118.300

GENERAL INFORMATION:

1. ATC SURVEILLANCE BASED ON RADAR SYSTEM.
2. BELOW THE RADAR MINIMUM ALTITUDE, IFR FLIGHTS WILL BE NORMALLY CLEARED ON PUBLISHED IFR PROCEDURES ONLY.
3. MINIMUM ALTITUDES ARE REFERRED TO ZAGREB QNH AND ARE INDICATED IN FT MSL.
4. THE AREAS DEPICTED AND ASSOCIATED MINIMUM ALTITUDES ARE ESTABLISHED BY APPLYING APPROPRIATE BUFFER AND OBSTACLE CLEARANCE OF AT LEAST 1000 FT, PLUS ADDITIONAL BUFFER OF 500 FT FOR THE LOWER LIMIT OF THE CONTROLLED AIRSPACE IN FIR ZAGREB.
5. ONLY SIGNIFICANT OBSTACLES AND DOMINANT SPOT ELEVATIONS SHOWN.
6. THIS CHART SHOULD ONLY BE USED FOR THE CROSS-CHECKING OF ASSIGNED ALTITUDES WHILST UNDER RADAR CONTROL.

ALTITUDES AND ELEVATIONS IN FT
DISTANCES IN NM

SCALE 1 : 650 000
5 0 5 10 15 km
5 0 5 10NM

VAR 4° E 2019

CHANGE: TMAs classification vertical limits; Parachuting zones; Reporting point EVINI withdrawn; Note for RMZ Rijeka updated; Editorial

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ZAGREB / Franjo Tudjman (LDZA)

LIST OF COORDINATES FOR
MINIMUM VECTORING ALTITUDE SECTORS

	WGS-84 latitude	WGS-84 longitude
SECTOR 1	460442N	0163012E
	455224N	0164722E
	452240N	0160405E
	453607N	0154157E
	454947N	0160322E
	454953N	0160747E
	460442N	0163012E

	WGS-84 latitude	WGS-84 longitude
SECTOR 2	461350N	0164447E
	454839N	0172115E
	454100N	0171901E
	454025N	0164239E
	453400N	0163556E
	452944N	0165454E
	451111N	0164948E
	along FIR BDRY Zagreb - Sarajevo	
	451319N	0163346E
	452036N	0162319E
	451430N	0160327E
	453431N	0152954E
	453931N	0153735E
	454031N	0154224E
	454807N	0155511E
	454611N	0155742E
	453607N	0154157E
	452240N	0160405E
	455224N	0164722E
	460442N	0163012E
	460527N	0163253E
	461350N	0164447E

	WGS-84 latitude	WGS-84 longitude
SECTOR 3	452036N	0162319E
	451319N	0163346E
	along FIR BDRY Zagreb - Sarajevo	
	451208N	0160107E
	451430N	0160327E
	452036N	0162319E

	WGS-84 latitude	WGS-84 longitude
SECTOR 4	453817N	0152331E
	451430N	0160327E
	451208N	0160107E
	along FIR BDRY Zagreb - Sarajevo	
	451031N	0154640E
	452710N	0151943E
	along FIR BDRY Zagreb - Ljubljana	
	453817N	0152331E

	WGS-84 latitude	WGS-84 longitude
SECTOR 5	452710N	0151943E
	451031N	0154640E
	along FIR BDRY Zagreb - Sarajevo	
	450414N	0154529E
	452527N	0151100E
	along FIR BDRY Zagreb - Ljubljana	
	452710N	0151943E

	WGS-84 latitude	WGS-84 longitude
SECTOR 6	454852N	0154013E
	454333N	0154729E
	454031N	0154224E
	453931N	0153735E
	453431N	0152954E
	453817N	0152331E
	along FIR BDRY Zagreb - Ljubljana	
	453835N	0152400E
	454852N	0154013E

	WGS-84 latitude	WGS-84 longitude
SECTOR 7	455929N	0154213E
	455441N	0154621E
	454807N	0155511E
	454333N	0154729E
	454852N	0154013E
	455028N	0154001E
	along FIR BDRY Zagreb - Ljubljana	
	455929N	0154213E

	WGS-84 latitude	WGS-84 longitude
SECTOR 8	455824N	0155254E
	455824N	0160013E
	455721N	0160147E
	455411N	0160434E
	454807N	0155511E
	455135N	0155032E
	455824N	0155254E

	WGS-84 latitude	WGS-84 longitude
SECTOR 9	455411N	0160434E
	455220N	0160612E
	454947N	0160322E
	454611N	0155742E
	454807N	0155511E
	455411N	0160434E

	WGS-84 latitude	WGS-84 longitude
SECTOR 10	460707N	0161359E
	460013N	0162323E
	454953N	0160747E
	454947N	0160322E
	455508N	0160919E
	460211N	0160647E
	460707N	0161359E

	WGS-84 latitude	WGS-84 longitude
SECTOR 11	462539N	0164118E
	along FIR BDRY Zagreb - Budapest	
	455553N	0172323E
	454839N	0172115E
	461350N	0164447E
	460527N	0163253E
	460442N	0163012E
	460013N	0162323E
	460707N	0161359E
	462539N	0164118E

	WGS-84 latitude	WGS-84 longitude
SECTOR 12	461741N	0155710E
	460710N	0160305E
	460707N	0161359E
	460211N	0160647E
	455508N	0160919E
	455220N	0160612E
	455721N	0160147E
	455824N	0160013E
	455824N	0155254E
	455135N	0155032E
	455441N	0154621E
	455929N	0154213E
	along FIR BDRY Zagreb - Ljubljana	
	461741N	0155710E

	WGS-84 latitude	WGS-84 longitude
SECTOR 13	462539N	0164118E
	460707N	0161359E
	460710N	0160305E
	461741N	0155710E
	along FIR BDRY Zagreb - Ljubljana	
	along FIR BDRY Zagreb - Budapest	
	462539N	0164118E

	WGS-84 latitude	WGS-84 longitude
SECTOR 14	455028N	0154001E
	454852N	0154013E
	453835N	0152400E
	along FIR BDRY Zagreb - Ljubljana	
	455028N	0154001E

	WGS-84 latitude	WGS-84 longitude
SECTOR 15	454041N	0165756E
	452944N	0165454E
	453400N	0163556E
	454025N	0164239E
	454041N	0165756E

	WGS-84 latitude	WGS-84 longitude
SECTOR 16	454041N	0165756E
	454100N	0171901E
	450907N	0170949E
	along FIR BDRY Zagreb - Sarajevo	
	451111N	0164948E
	454041N	0165756E

	WGS-84 latitude	WGS-84 longitude
SECTOR 17	455553N	0172323E
	along FIR BDRY Zagreb - Budapest	
	455055N	0173903E
	450751N	0173900E
	along FIR BDRY Zagreb - Sarajevo	
	450907N	0170949E
	455553N	0172323E

CHANGE: TMAs classification vertical limits; Parachuting zones; Reporting point EVINI withdrawn; Note for RMZ Rijeka updated; Editorial.

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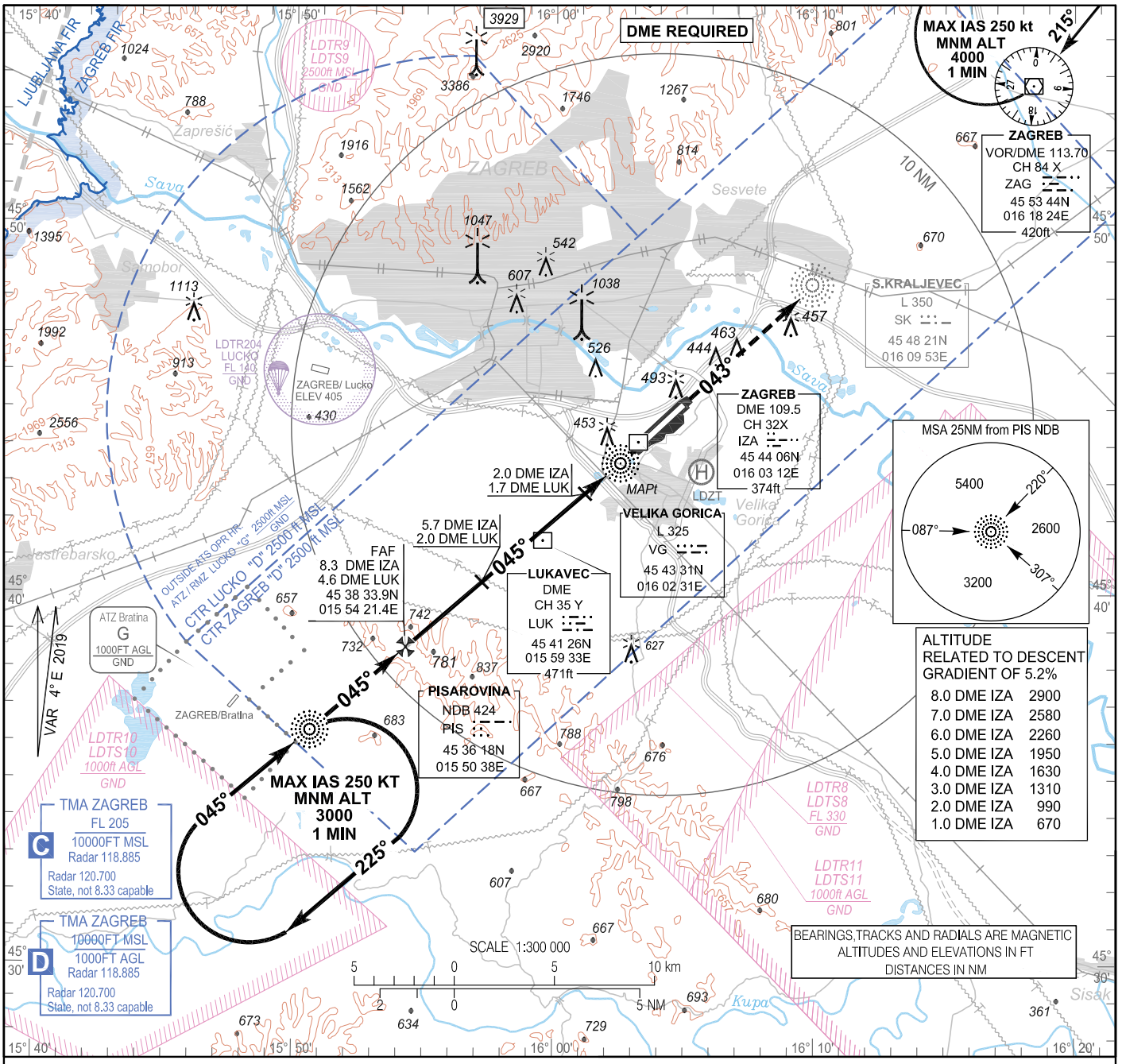
INSTRUMENT APPROACH
CHART-ICAO

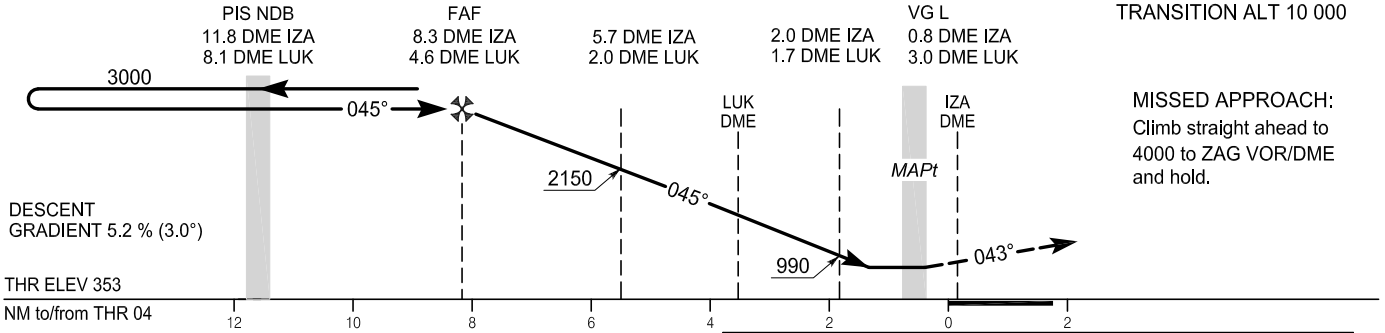
AD ELEV 353
HEIGHTS RELATED
TO THR 04 ELEV 353

ZAGREB ATIS	124.575
ZAGREB RADAR	118.885
ZAGREB RADAR	120.700 State, not 8.33 capable
ZAGREB TOWER	118.300

ZAGREB / Franjo Tudjman (LDZA)

L RWY 04





OCA(H)	A	B	C	D
Straight-in Approach	710(360)			
Circling	830 (480)	850 (500)	950 (600)	1050 (700)

PIS NDB - VG L DISTANCE - 11.0NM						
TIMING NOT AUTHORIZED FOR DEFINING THE MAPt						
GS(kt)	70	90	100	120	140	160
min : sec	9:26	7:20	6:36	5:30	4:43	4:07
Rate of descent (ft / min)	369	474	527	632	737	843

MAPt at VG L
Note: Circling for ACFT CAT B, C and D NW of aerodrome NA

CHANGE: TMA classification vertical limits; Parachuting zone; Notes; Editorial.

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L RWY 04

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
LDZA L RWY 04			
Final approach descent angle:		3.01°	
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (PIS NDB)	45 36 18.10N 015 50 38.39E	-	-
FAF	45 38 33.9N 015 54 21.4E	049.06° (L VG)	8.31 DME IZA 4.63 DME LUK
SDF	45 40 18.5N 015 57 13.4E	049.06° (L VG)	5.65 DME IZA 1.98 DME LUK
SDF	45 42 41.9N 016 01 09.9E	049.06° (L VG)	2.00 DME IZA 1.70 DME LUK
MAPt (VG L)	45 43 31.30N 016 02 31.44E	-	-

CHANGE: TMA classification vertical limits; Parachuting zone; Notes; Editorial.

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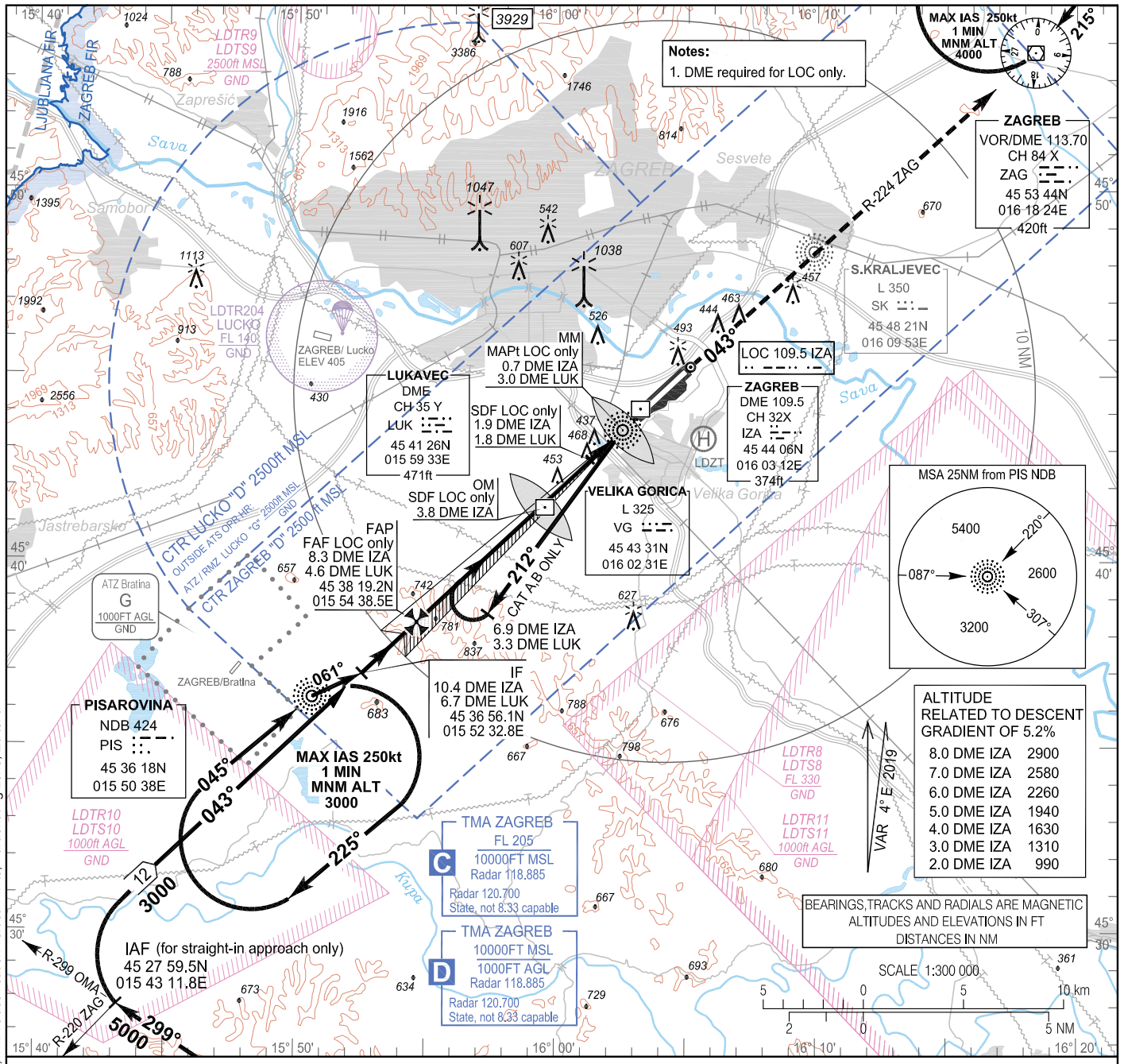
INSTRUMENT APPROACH
CHART-ICAO

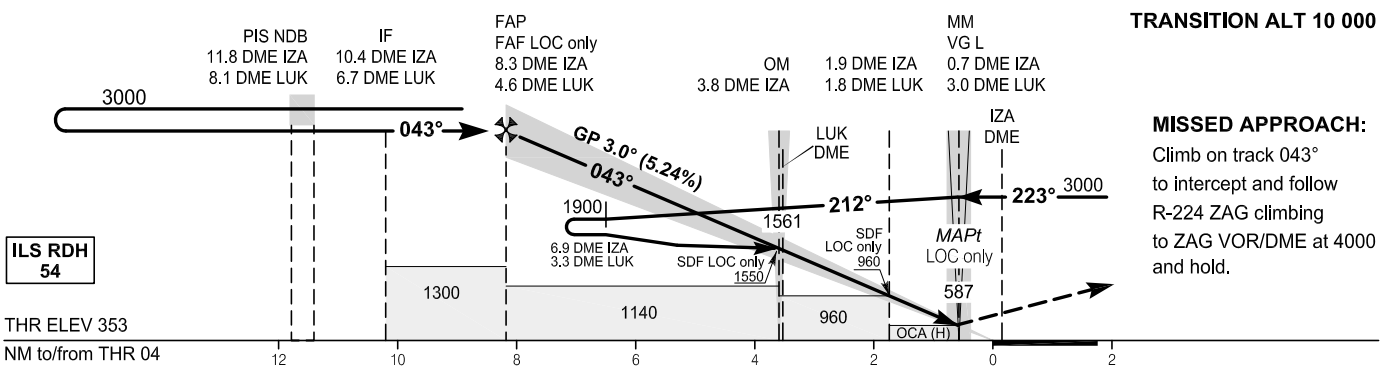
AD ELEV 353
HEIGHTS RELATED
TO THR 04 ELEV 353

ZAGREB ATIS	124.575
ZAGREB RADAR	118.885
ZAGREB RADAR	120.700 State, not 8.33 capable
ZAGREB TOWER	118.300

ZAGREB / Franjo Tudjman (LDZA)

ILS y or LOC y RWY 04 CAT I/II/III





OCA(H)		A	B	C	D
Straight-in Approach	ILS CAT I press. altim.	498 (145)	508 (155)	521 (168)	534 (181)
	ILS CAT II radio. altim.	413 (60)	419 (66)	429 (76)	439 (86)
	LOC only	690 (337)			
Circling		790 (440)	850 (500)	950 (600)	1050 (700)

GS (kt)	70	90	100	120	140	160	180
Rate of descent (ft / min)	372	478	531	637	743	850	956

Note: Circling for ACFT CAT B, C and D NW of aerodrome not allowed

CHANGE: LOC only OCA/H; SDF position; ADR table; Notes updated; TMA classification vertical limits; Parachuting zone; Editorial.

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ILS y or LOC y RWY 04 CAT I/II/III

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
ILS y or LOC y RWY 04			
LOC only - final approach descent angle:		3.00°	
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (PIS NDB)	45 36 18.10N 015 50 38.39E	-	-
IAF (for straight-in approach only)	45 27 59.5N 015 43 11.8E	303.94° (OMA VOR)	224.00° (ZAG VOR)
IF	45 36 56.1N 015 52 32.8E	046.78° (IZA LOC)	10.35 DME IZA 6.66 DME LUK
FAF LOC only	45 38 19.2N 015 54 38.5E	046.78° (IZA LOC)	8.33 DME IZA 4.64 DME LUK
SDF LOC only (OM 04)	45 41 26.29N 015 59 24.06E	046.78° (IZA LOC)	3.77 DME IZA
SDF LOC only	45 42 42.7N 016 01 17.7E	046.78° (IZA LOC)	1.93 DME IZA 1.77 DME LUK
MAPt LOC only (MM 04)	45 43 31.45N 016 02 31.71E	046.78° (IZA LOC)	0.74 DME IZA 2.96 DME LUK

CHANGE: LOC only OCA/H; SDF position; ADR table; Notes updated; TMA classification vertical limits; Parachuting zone; Editorial.

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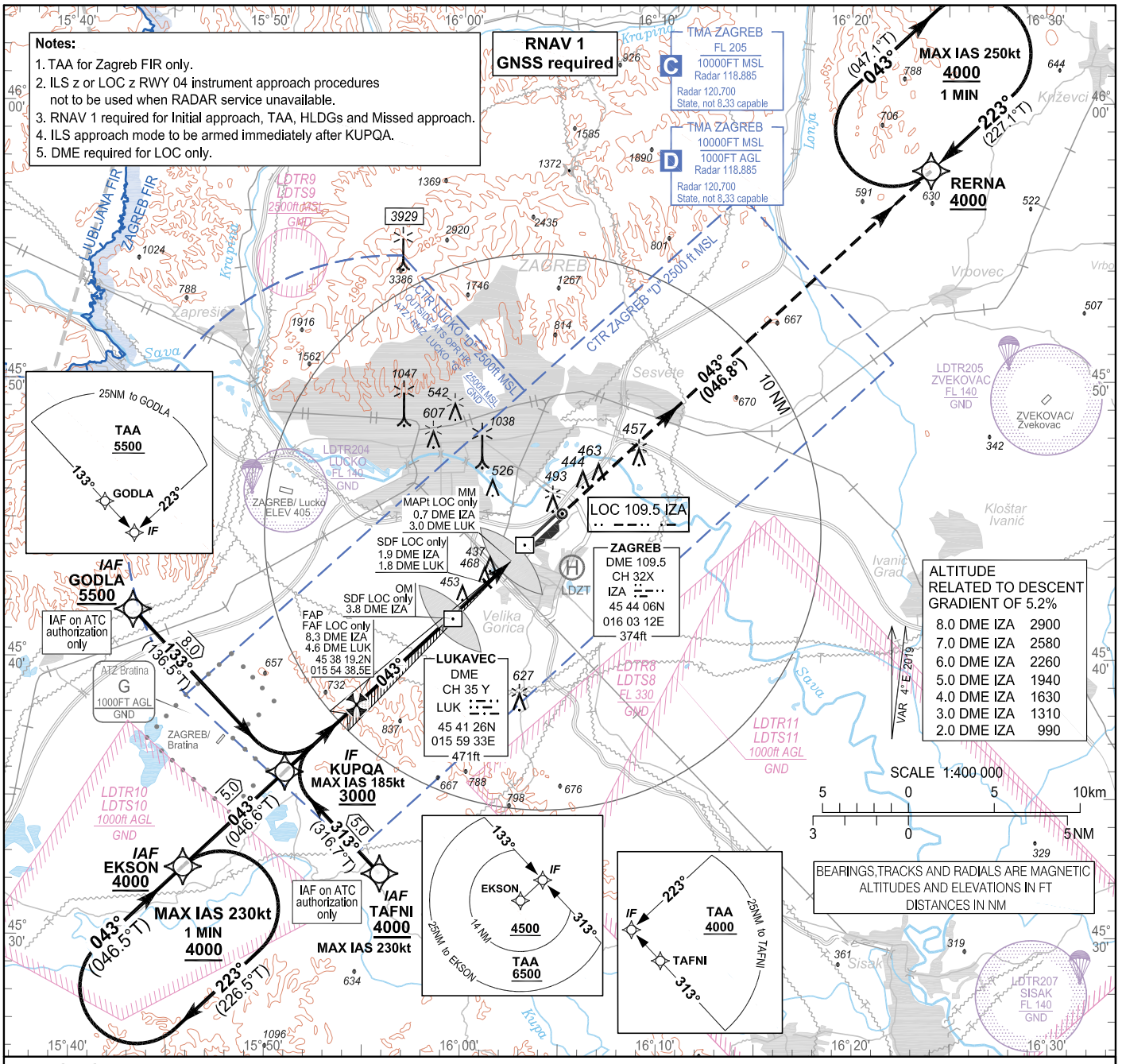
INSTRUMENT APPROACH CHART-ICAO

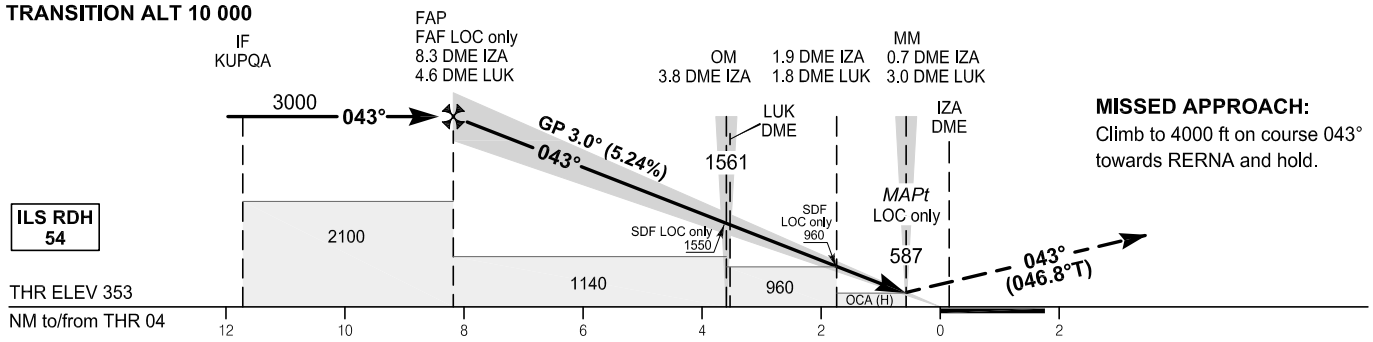
AD ELEV 353
HEIGHTS RELATED TO THR 04 ELEV 353

ZAGREB ATIS	124.575
ZAGREB RADAR	118.885
ZAGREB RADAR	120.700 State, not 8.33 capable
ZAGREB TOWER	118.300

ZAGREB / Franjo Tudjman (LDZA)

ILS z or LOC z RWY 04 CAT I/II/III
(RNAV 1 to ILS or LOC transition)





MISSED APPROACH:
Climb to 4000 ft on course 043° towards RERNA and hold.

OCA(H)		A	B	C	D
Straight-in Approach	ILS CAT I press. altim.	498 (145)	508 (155)	521 (168)	534 (181)
	ILS CAT II radio. altim.	413 (60)	419 (66)	429 (76)	439 (86)
	LOC only	690 (337)			
Circling		790 (440)	850 (500)	950 (600)	1050 (700)

GS (kt)	70	90	100	120	140	160	180
Rate of descent (ft / min)	372	478	531	637	743	850	956

Circling for ACFT CAT B, C and D NW of the aerodrome not allowed

Change: Missed approach; LOC only OCA/H; SDF position; Coding and ADR tables; Notes updated; TMA classification vertical limits; Parachuting zones; Editorial.

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ZAGREB / Franjo Tudjman (LDZA)

ILS z or LOC z RWY 04 CAT I/II/III
(RNAV 1 to ILS or LOC transition)

LDZA ILS z or LOC z RWY 04 (RNAV 1 to ILS or LOC transition)

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	GODLA	-	-	4°E	-	-	+5500	-	-	IAF on ATC autorization only	RNAV 1
020	IF	TF	KUPQA	-	133° (136.5°T)	4°E	8.0	-	+3000	-185	-	-	
010	IAF	IF	EKSON	-	-	4°E	-	-	+4000	-	-	-	RNAV 1
020	IF	TF	KUPQA	-	043° (046.6°T)	4°E	5.0	-	+3000	-185	-	-	
010	IAF	IF	TAFNI	-	-	4°E	-	-	+4000	-230	-	IAF on ATC autorization only	RNAV 1
020	IF	TF	KUPQA	-	313° (316.7°T)	4°E	5.0	-	+3000	-185	-	-	

AERONAUTICAL DATABASE REQUIREMENTS

Conventional procedure essential fixes/points

ILS z or LOC z RWY 04

LOC only - final approach descent angle: 3.00°

Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
FAF LOC only	45 38 19.2N 015 54 38.5E	046.78° (IZA LOC)	8.33 DME IZA 4.64 DME LUK
SDF LOC only (OM 04)	45 41 26.29N 015 59 24.06E	046.78° (IZA LOC)	3.77 DME IZA
SDF LOC only	45 42 42.7N 016 01 17.7E	046.78° (IZA LOC)	1.93 DME IZA 1.77 DME LUK
MAPt LOC only (MM 04)	45 43 31.45N 016 02 31.71E	046.78° (IZA LOC)	0.74 DME IZA 2.96 DME LUK

LDZA ILS z or LOC z RWY 04 (RNAV 1 to ILS or LOC transition)

Proposed tabular description for navigation database coding - MISSED APPROACH

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	MAHF	CF	RERNA	-	043° (046.8°T)	4°E	-	-	+4000	-	-	-	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
EKSON	HM	043° (046.5°T)	1 MIN / -	R	4000	-	230	4°E	-	RNAV 1
RERNA	HM	223° (227.1°T)	1 MIN / -	R	4000	-	250	4°E	Holding above 4000 ft on ATC clearance only	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
EKSON	453227.7N	0154548.4E
GODLA	454142.4N	0154308.3E
KUPQA	453553.8N	0155058.8E
RERNA	455735.6N	0162402.7E
TAFNI	453215.6N	0155551.9E

Change: Missed approach; LOC only OCA/H; SDF position; Coding and ADR tables; Notes updated; TMA classification vertical limits; Parachuting zones; Editorial.

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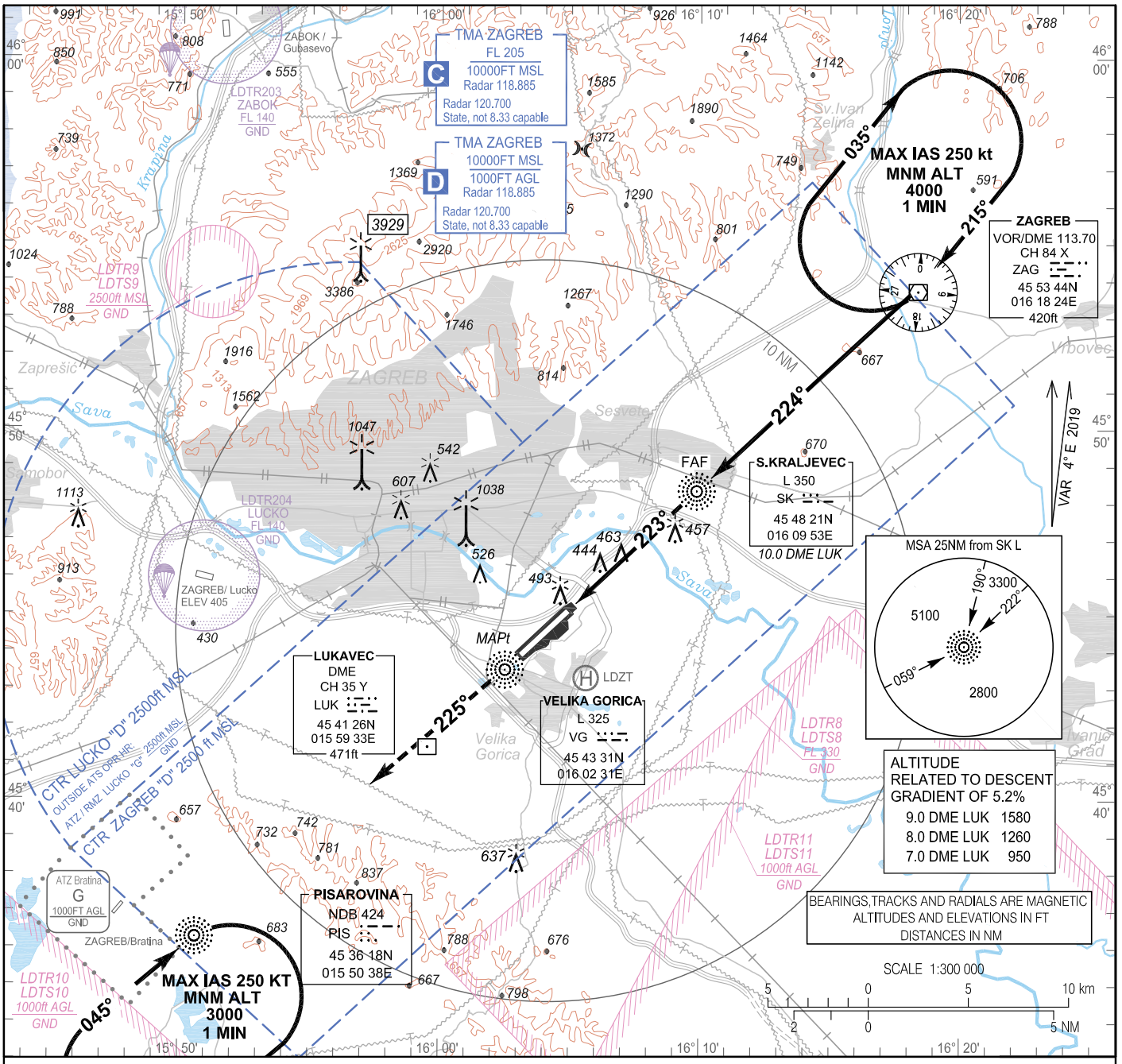
INSTRUMENT APPROACH CHART-ICAO

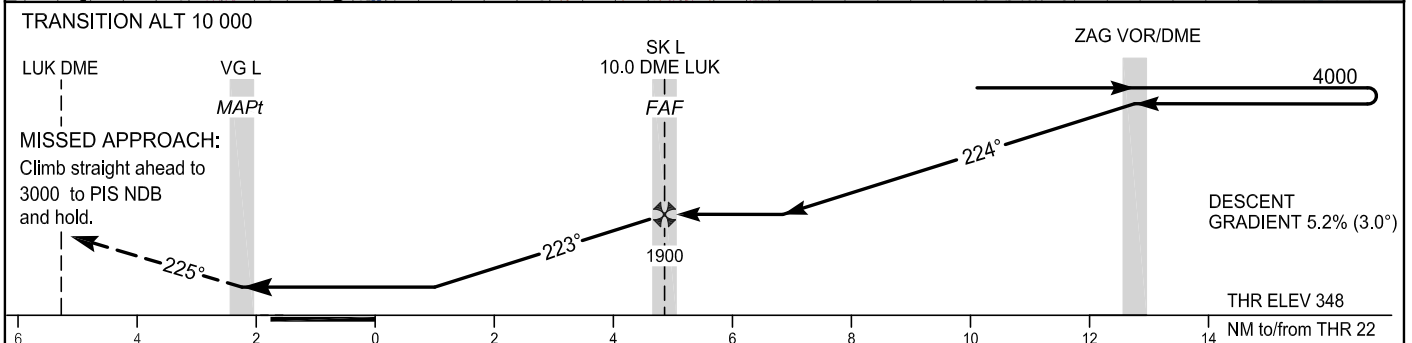
AD ELEV 353
HEIGHTS RELATED TO AD ELEV 353

ZAGREB ATIS	124.575
ZAGREB RADAR	118.885
ZAGREB RADAR	120.700 State, not 8.33 capable
ZAGREB TOWER	118.300

ZAGREB / Franjo Tudjman (LDZA)

L RWY 22





OCA(H)	A	B	C	D
Straight-in Approach	750 (397)			
Circling	860(507)	890(537)	990(637)	1090(737)

FAF to MAPt - 7.06 NM
TIMING NOT AUTHORIZED FOR DEFINING THE MAPt

GS (kt)	70	90	100	120	140	160
min : sec	6:03	4:42	4:14	3:32	3:02	2:39
Rate of descent (ft / min)	369	474	527	632	737	843

Note: Circling for ACFT CAT B, C and D NW of aerodrome NA

CHANGE: TMA classification vertical limits; Parachuting zones; Notes; Editorial.

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L RWY 22

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
LDZA L RWY 22			
Final approach descent angle:		2.99°	
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF / IF (ZAG VOR/DME)	45 53 44.01N 016 18 24.11E	-	-
FAF (SK L)	45 48 20.96N 016 09 52.78E	226.88° (VG L)	10.01 DME LUK
MAPt (VG L)	45 43 31.30N 016 02 31.44E	-	-

CHANGE: TMA classification vertical limits; Parachuting zones; Notes; Editorial.

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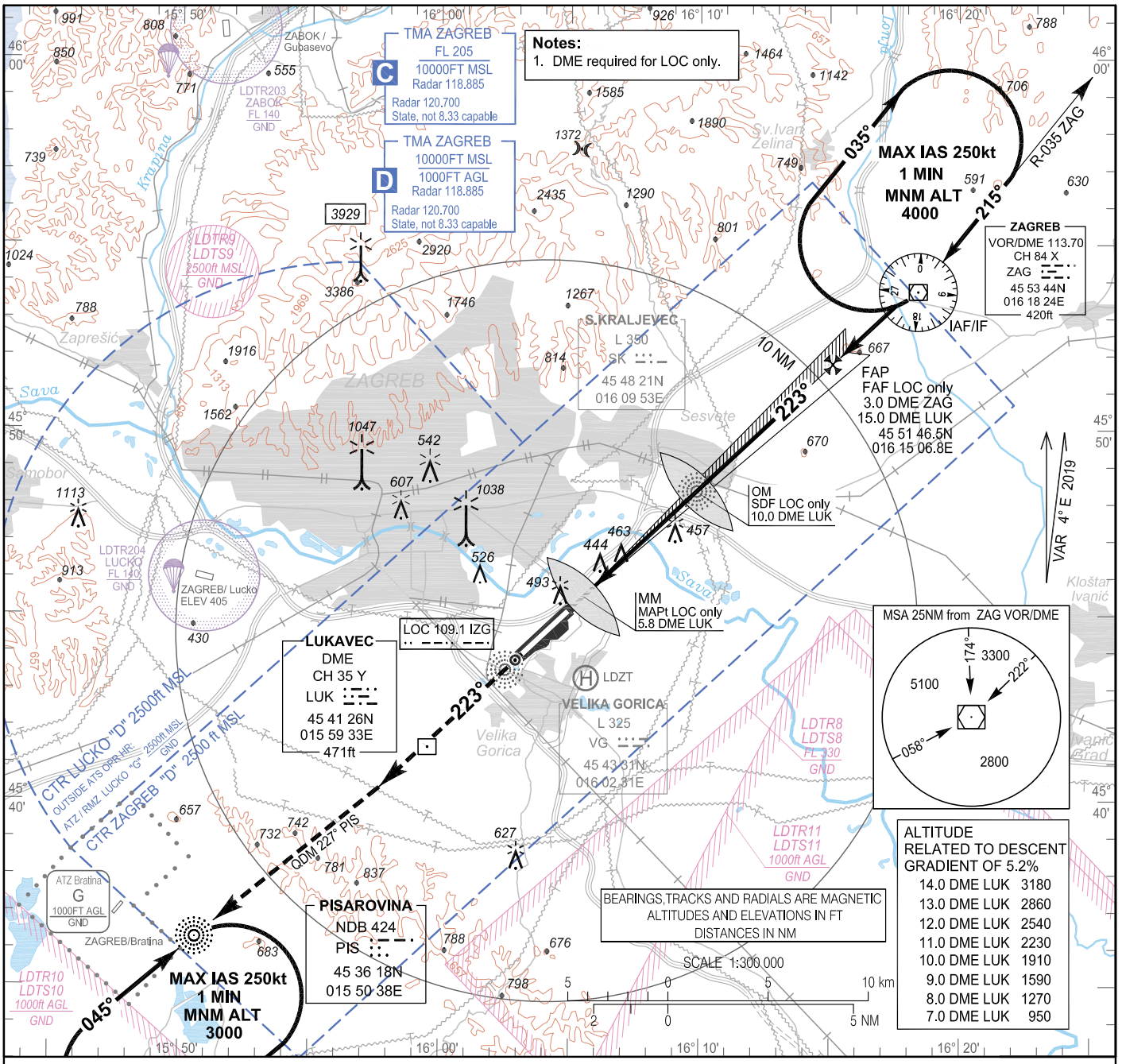
INSTRUMENT APPROACH CHART-ICAO

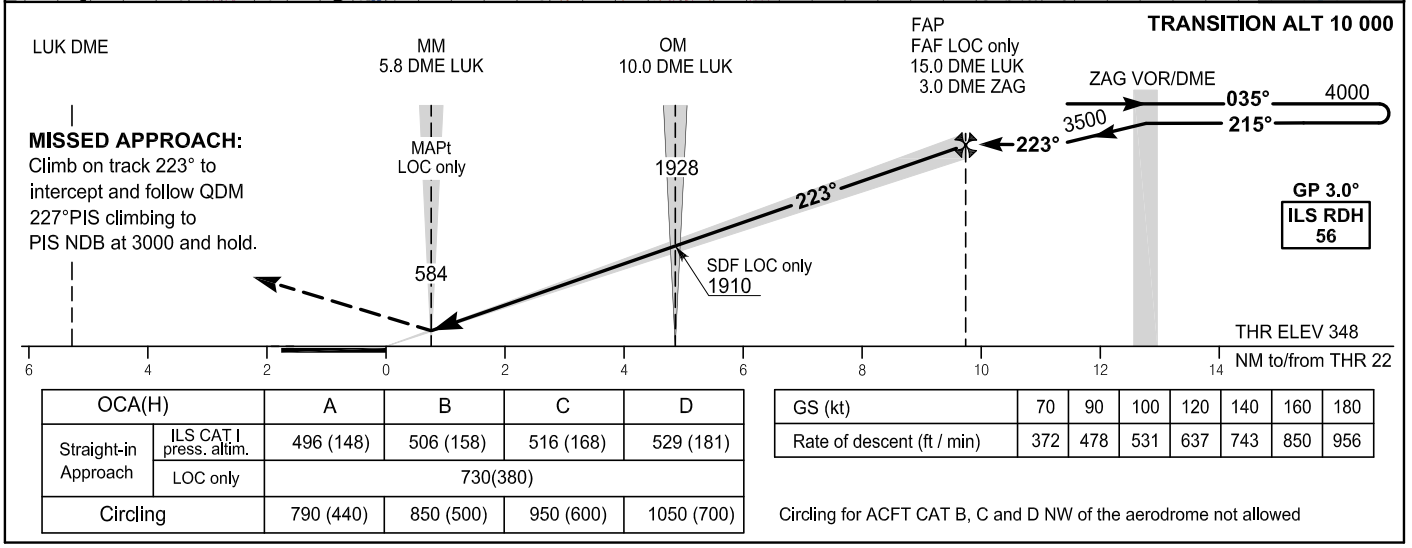
AD ELEV 353
HEIGHTS RELATED TO THR 22 ELEV 348

ZAGREB ATIS	124.575
ZAGREB RADAR	118.885
ZAGREB RADAR	120.700 State, not 8.33 capable
ZAGREB TOWER	118.300

ZAGREB / Franjo Tudjman (LDZA)

ILS y or LOC y RWY 22





OCA(H)		A	B	C	D
Straight-in Approach	ILS CAT I press. altim.	496 (148)	506 (158)	516 (168)	529 (181)
	LOC only	730(380)			
Circling		790 (440)	850 (500)	950 (600)	1050 (700)

GS (kt)	70	90	100	120	140	160	180
Rate of descent (ft / min)	372	478	531	637	743	850	956

Circling for ACFT CAT B, C and D NW of the aerodrome not allowed

CHANGE: TMA classification vertical limits; Parachuting zones; Editorial.

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ILS y or LOC y RWY 22

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
ILS y or LOC y RWY 22			
LOC only - final approach descent angle: 3.00°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF/IF (ZAG VOR/DME)	45 53 44.01N 016 18 24.11E	-	-
FAF LOC only	45 51 46.5N 016 15 06.8E	226.81° (IZG LOC)	15.02 DME LUK 3.02 DME ZAG
SDF LOC only (OM 22)	45 48 20.56N 016 09 52.34E	226.81° (IZG LOC)	10.00 DME LUK
MAPt LOC only (MM 22)	45 45 29.91N 016 05 31.84E	226.81° (IZG LOC)	5.84 DME LUK

CHANGE: TMA classification vertical limits; Parachuting zones; Editorial.

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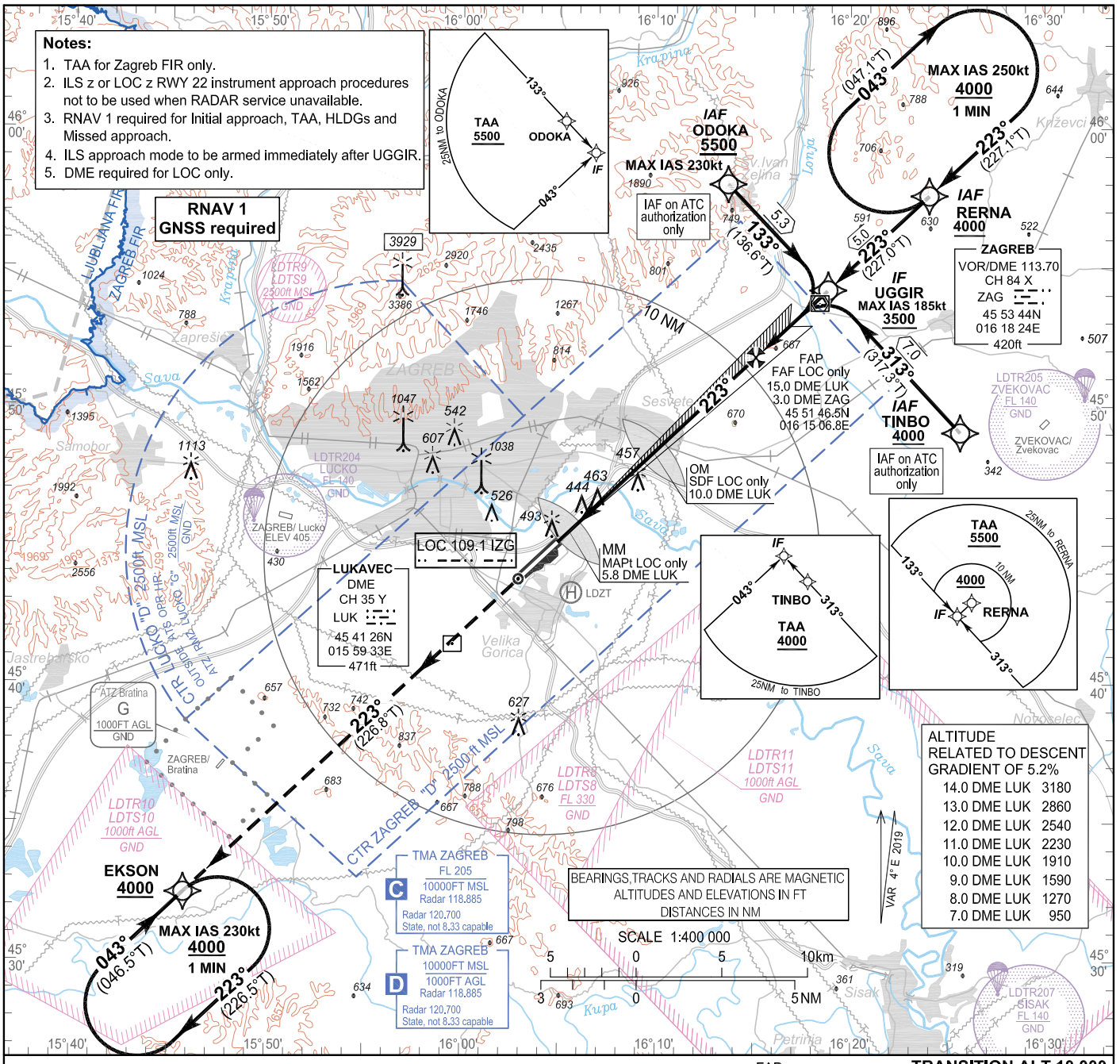
ZAGREB / Franjo Tudjman (LDZA)

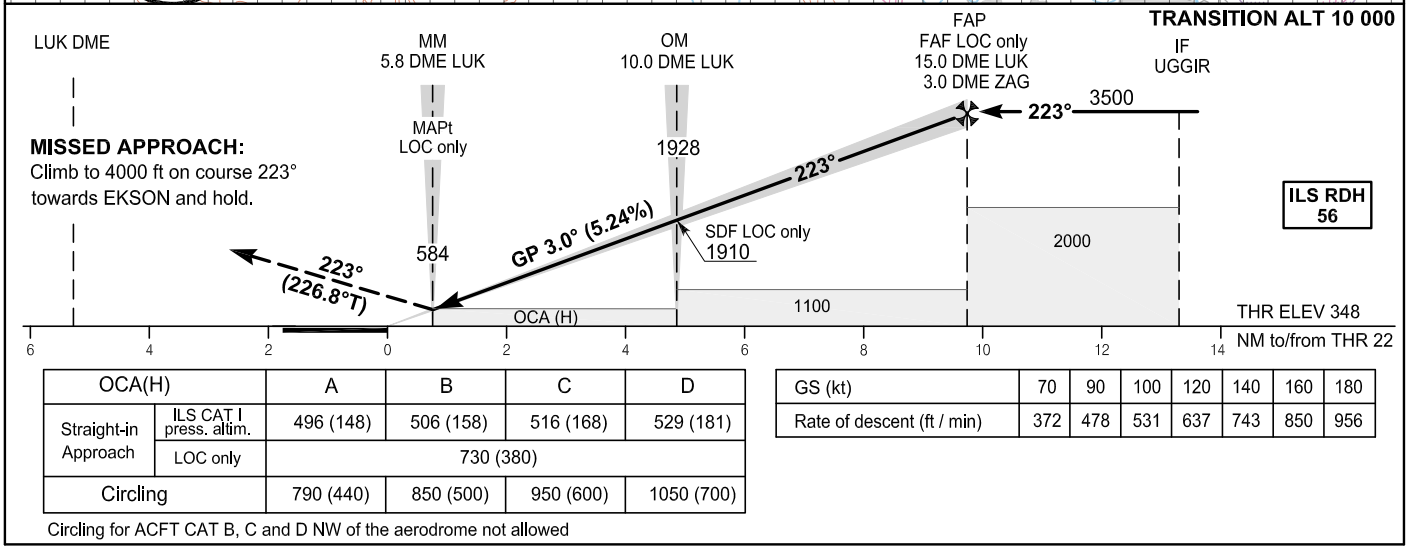
INSTRUMENT APPROACH CHART-ICAO

AD ELEV 353
HEIGHTS RELATED TO THR 22 ELEV 348

ZAGREB ATIS	124.575
ZAGREB RADAR	118.885
ZAGREB RADAR	120.700 State, not 8.33 capable
ZAGREB TOWER	118.300

ILS z or LOC z RWY 22
(RNAV 1 to ILS or LOC transition)





OCA(H)		A	B	C	D
Straight-in Approach	ILS CAT I press. altim.	496 (148)	506 (158)	516 (168)	529 (181)
	LOC only	730 (380)			
Circling		790 (440)	850 (500)	950 (600)	1050 (700)

Circling for ACFT CAT B, C and D NW of the aerodrome not allowed

GS (kt)	70	90	100	120	140	160	180
Rate of descent (ft / min)	372	478	531	637	743	850	956

Change: Missed approach; Coding and ADR tables; TMA classification vertical limits; Parachuting zones; Editorial.

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ZAGREB / Franjo Tudjman (LDZA)

ILS z or LOC z RWY 22
(RNAV 1 to ILS or LOC transition)

LDZA ILS z or LOC z RWY 22 (RNAV 1 to ILS or LOC transition)

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	ODOKA	-	-	4°E	-	-	+5500	-230	-	IAF on ATC autorization only	RNAV 1
020	IF	TF	UGGIR	-	133° (136.6°T)	4°E	5.3	-	+3500	-185	-	-	
010	IAF	IF	RERNA	-	-	4°E	-	-	+4000	-	-	-	RNAV 1
020	IF	TF	UGGIR	-	223° (227.0°T)	4°E	5.0	-	+3500	-185	-	-	
010	IAF	IF	TINBO	-	-	4°E	-	-	+4000	-	-	IAF on ATC autorization only	RNAV 1
020	IF	TF	UGGIR	-	313° (317.3°T)	4°E	7.0	-	+3500	-185	-	-	

AERONAUTICAL DATABASE REQUIREMENTS

Conventional procedure essential fixes/points

ILS z or LOC z RWY 22

LOC only - final approach descent angle: 3.00°

Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
FAF LOC only	45 51 46.5N 016 15 06.8E	226.81° (IZG LOC)	15.02 DME LUK 3.02 DME ZAG
SDF LOC only (OM 22)	45 48 20.56N 016 09 52.34E	226.81° (IZG LOC)	10.00 DME LUK
MAPt LOC only (MM 22)	45 45 29.91N 016 05 31.84E	226.81° (IZG LOC)	5.84 DME LUK

LDZA ILS z or LOC z RWY 22 (RNAV 1 to ILS or LOC transition)

Proposed tabular description for navigation database coding - MISSED APPROACH

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	MAHF	CF	EKSON	-	223° (226.8°T)	4°E	-	-	+4000	-	-	-	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
RERNA	HM	223° (227.1°T)	1 MIN / -	R	4000	-	250	4°E	-	RNAV 1
EKSON	HM	043° (046.5°T)	1 MIN / -	R	4000	-	230	4°E	Holding above 4000 ft on ATC clearance only	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
EKSON	453227.7N	0154548.4E
ODOKA	455801.1N	0161340.1E
RERNA	455735.6N	0162402.7E
TINBO	454903.8N	0162538.1E
UGGIR	455412.2N	0161850.0E

Change: Missed approach; Coding and ADR tables; TMA classification vertical limits; Parachuting zones; Editorial.

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ZAGREB / Franjo Tudjman (LDZA)

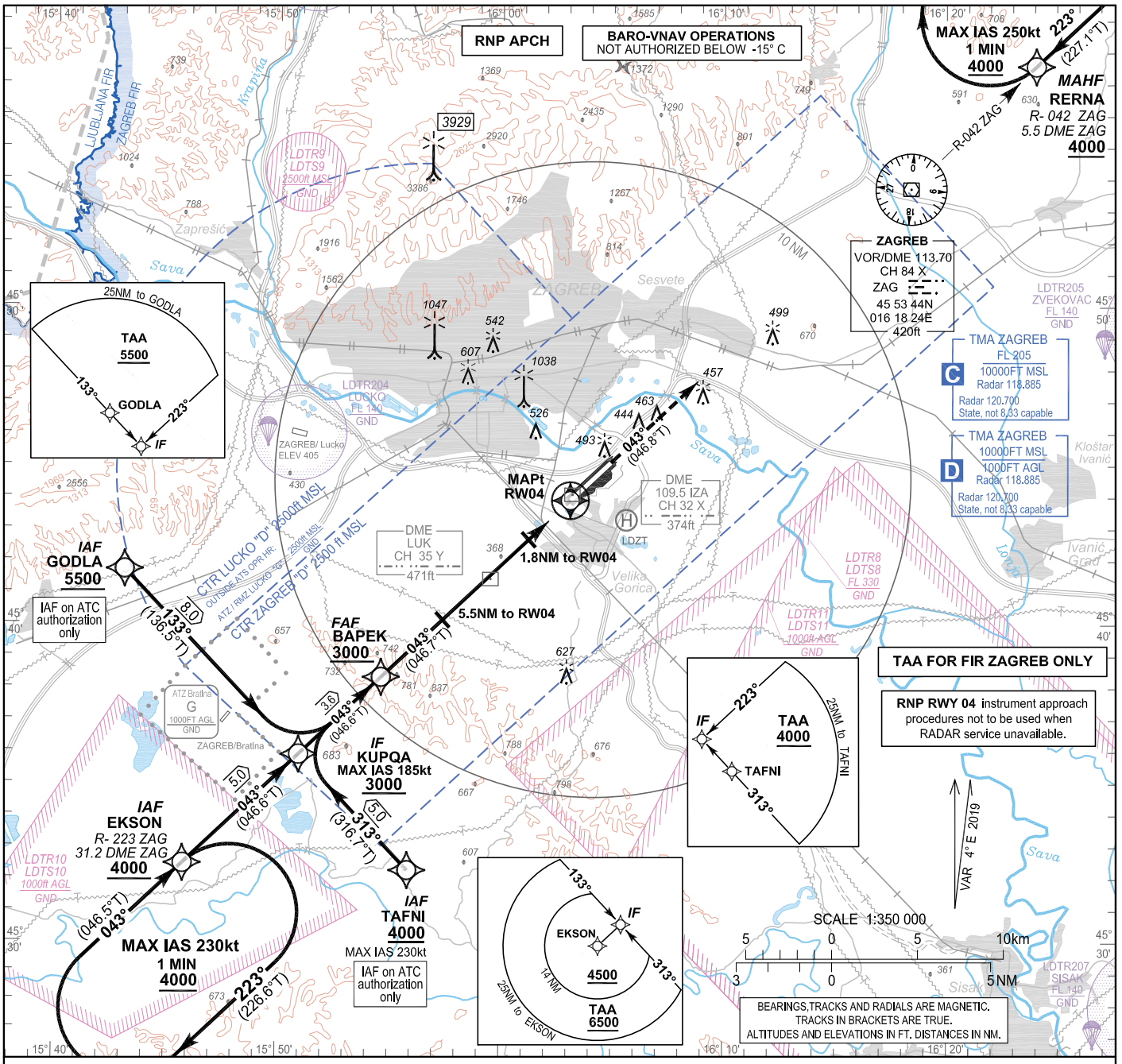
INSTRUMENT APPROACH CHART-ICAO

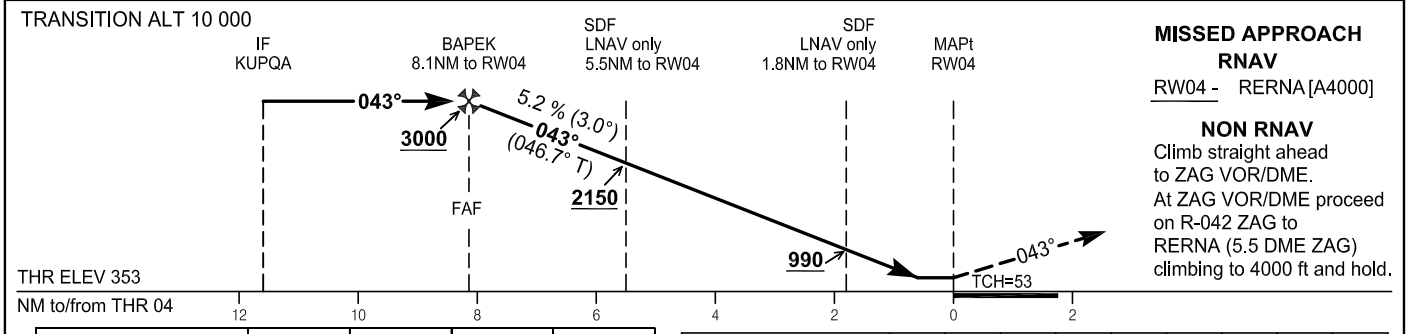
AD ELEV 353
HEIGHTS RELATED TO THR 04 ELEV 353

SBAS
CH:95327
E04A

ZAGREB ATIS	124.575
ZAGREB RADAR	118.885
ZAGREB RADAR	120.700 State, not 8.33 capable
ZAGREB TOWER	118.300

RNP RWY 04





MISSED APPROACH
RNAV
RW04 - RERNA [A4000]

NON RNAV
Climb straight ahead to ZAG VOR/DME.
At ZAG VOR/DME proceed on R-042 ZAG to RERNA (5.5 DME ZAG) climbing to 4000 ft and hold.

OCA(H)		A	B	C	D
Straight-in approach	LNAV	710 (357)			
	LNAV/VNAV	610 (257)			620 (267)
	LPV	610 (257)			620 (267)
CIRCLING		860 (507)	890 (537)	990 (637)	1090 (737)

Note: Circling for ACFT CAT B, C and D NW of aerodrome not allowed

DIST THR / RW04	NM	8	7	6	5	4	3	2	1
Altitude	ft	2950	2640	2320	2000	1680	1360	1040	730

Timing not authorized for defining the MAPt							
GS	kt	80	100	120	140	160	180
BAPEK -RW04 (8.1NM)	min:sec	6:05	4:52	4:03	3:28	3:02	2:42
Rate of descent (5.2%)	ft/min	425	531	637	743	849	955

CHANGE: TMA classification vertical limits; Parachuting zones; Editorial.

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RNP RWY 04

Coding elements for FAS Data Block

Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDZA
Runway	04
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E04A
LTP/FTP Latitude	454354.7490N
LTP/FTP Longitude	0160307.0885E
LTP/FTP Ellipsoidal Height (metres)	152.6
FPAP Latitude	454507.2300N
Delta FPAP Latitude (seconds)	72.4810
FPAP Longitude	0160457.3140E
Delta FPAP Longitude (seconds)	110.2255
Threshold Crossing Height	53.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	16
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 01 1A 04 0C 04 00 00 01 34 30 05 FA 40 A0 13 A1 85 E3 06 F6 19 42 36 02 23 5D 03 12 02 2C 01 64 02 C8 FA 44 FF A0 EB
Calculated CRC Value	44FFA0EB

Required Additional Data

ICAO Code	LD
LTP/FTP Orthometric Height (metres)	107.5

CHANGE: TMA classification vertical limits; Parachuting zones; Editorial.

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LDZA RNP RWY04

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	GODLA	-	-	4°E	-	-	+5500	-	-	IAF on ATC autorization only	RNP APCH
020	IF	TF	KUPQA	-	133° (136.5°T)	4°E	8.0	-	+3000	-185	-	-	
010	IAF	IF	EKSON	-	-	4°E	-	-	+4000	-	-		RNP APCH
020	IF	TF	KUPQA	-	043° (046.6°T)	4°E	5.0	-	+3000	-185	-		
010	IAF	IF	TAFNI	-	-	4°E	-	-	+4000	-230	-	IAF on ATC autorization only	RNP APCH
020	IF	TF	KUPQA	-	313° (316.7°T)	4°E	5.0	-	+3000	-185	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	KUPQA	-	-	4°E	-	-	+3000	-185	-	-	RNP APCH
020	FAF	TF	BAPEK	-	043° (046.6°T)	4°E	3.6	-	+3000	-	-	-	
030	MAPt	TF	RW04	Y	043° (046.7°T)	4°E	8.1	-	-	-	3.0 / 53.0	-	
040	MAHF	TF	RERNA	-	043° (046.8°T)	4°E	20.0	-	4000	-	-	-	
050	MAHF	HM	RERNA	-	223° (227.1°T)	4°E	1 MIN	R	4000	-250	-	Holding above 4000ft on ATC clearance only	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path Term-inator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude FT	Maximum altitude FT	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
EKSON	HM	043° (046.5°T)	1MIN / -	R	4000	-	230	4°E	-	RNAV 1
RERNA	HM	223° (227.1°T)	1MIN / -	R	4000	-	250	4°E	-	

Waypoint coordinates

Waypoint name	WGS-84 Latitude	WGS-84 Longitude
GODLA	454142.4N	0154308.3E
EKSON	453227.7N	0154548.4E
TAFNI	453215.6N	0155551.9E
KUPQA	453553.8N	0155058.8E
BAPEK	453820.0N	0155439.7E
RW04	454354.75N	0160307.09E
RERNA	455735.6N	0162402.7E

CHANGE: TMA classification vertical limits; Parachuting zones; Editorial.

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ZAGREB / Franjo Tudjman (LDZA)

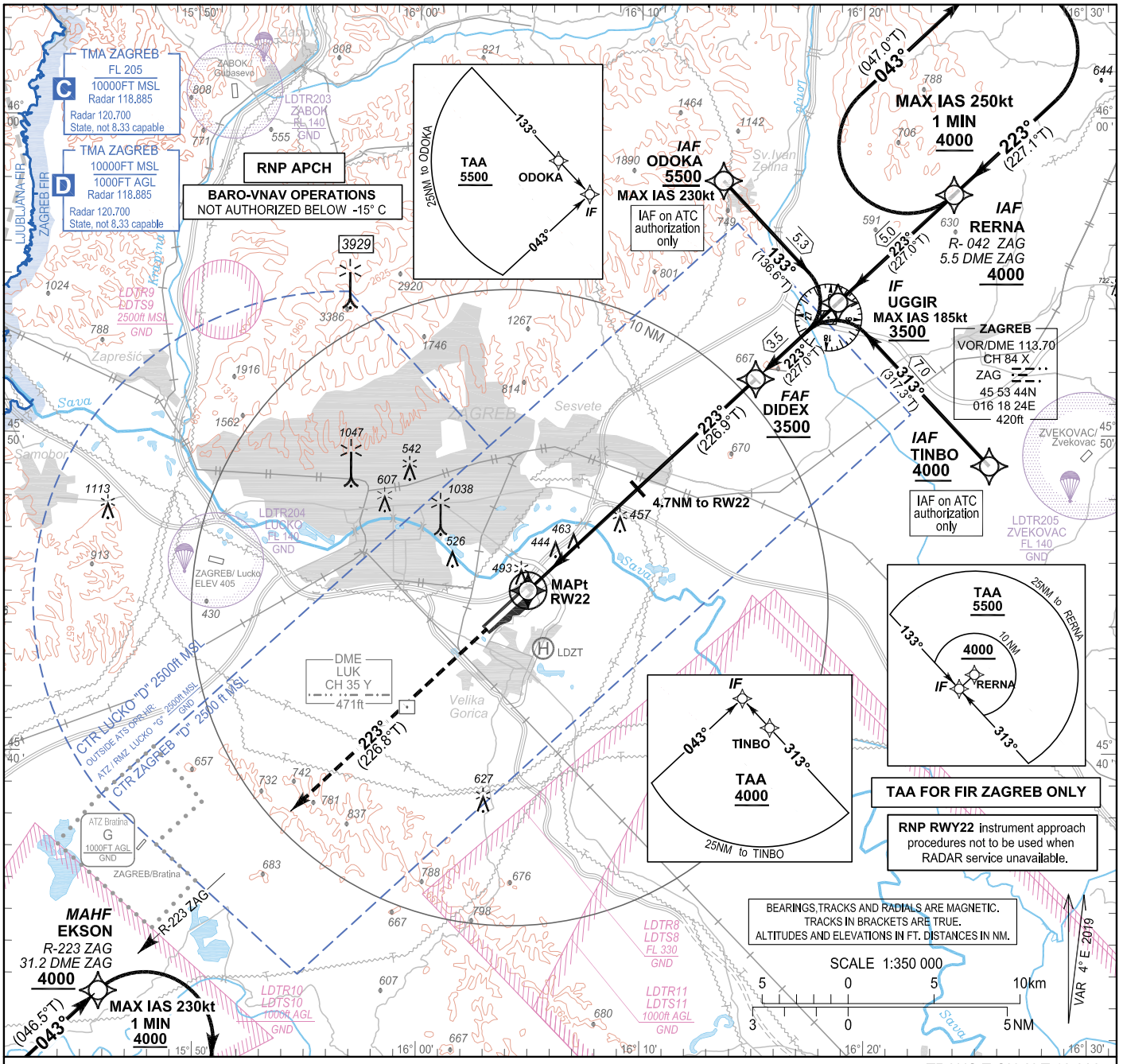
INSTRUMENT APPROACH CHART-ICAO

AD ELEV 353
HEIGHTS RELATED TO THR 22 ELEV 348

SBAS
CH: 90041
E22A

ZAGREB ATIS	124.575
ZAGREB RADAR	118.885
ZAGREB RADAR	120.700 State, not 8.33 capable
ZAGREB TOWER	118.300

RNP RWY 22



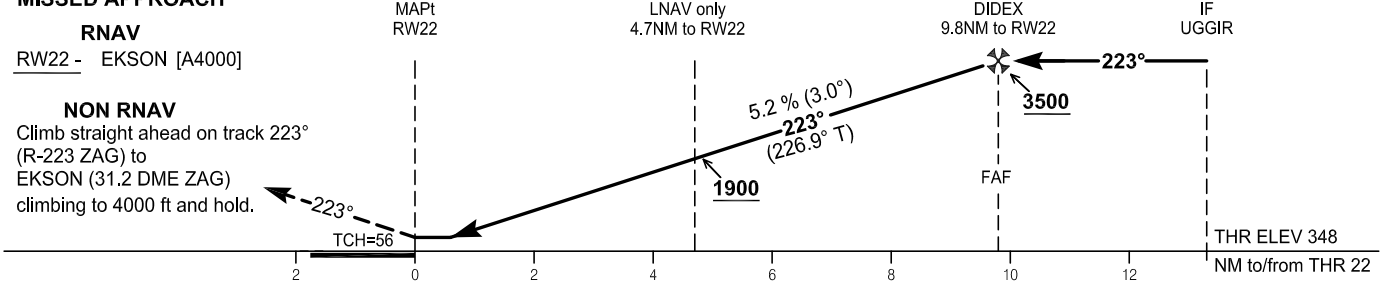
MISSED APPROACH

RNAV

RW22 - EKSON [A4000]

NON RNAV

Climb straight ahead on track 223° (R-223 ZAG) to EKSON (31.2 DME ZAG) climbing to 4000 ft and hold.



TRANSITION ALT 10 000

OCA(H)		A	B	C	D
Straight-in approach	LNAV	740 (392)			
	LNAV/VNAV	630 (282)	640 (292)	650 (302)	660 (312)
	LPV	630 (282)	640 (292)	650 (302)	660 (312)
CIRCLING		860 (507)	890 (537)	990 (637)	1090 (737)

Note: Circling for ACFT CAT B, C and D NW of aerodrome not allowed

DIST THR / RW22	NM	9	8	7	6	5	4	3	2	1
Altitude	ft	3270	2950	2630	2310	1990	1680	1360	1040	720

Timing not authorized for defining the MAPt							
GS	kt	80	100	120	140	160	180
DIDEX -RW22 (9.8NM)	min:sec	7:21	5:53	4:54	4:12	3:41	3:16
Rate of descent (5.2%)	ft/min	425	531	637	743	849	955

CHANGE: TMA classification vertical limits; Parachuting zones; Editorial.

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RNP RWY 22

Coding elements for FAS Data Block

Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDZA
Runway	22
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E22A
LTP/FTP Latitude	454506.8620N
LTP/FTP Longitude	0160456.7540E
LTP/FTP Ellipsoidal Height (metres)	151.3
FPAP Latitude	454353.6385N
Delta FPAP Latitude (seconds)	-73.2235
FPAP Longitude	0160305.4000E
Delta FPAP Longitude (seconds)	-111.3540
Threshold Crossing Height	56.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	48
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 01 1A 04 0C 16 00 00 01 32 32 05 5C 74 A2 13 64 DE E6 06 E9 19 F1 C3 FD 0C 9A FC 30 02 2C 01 64 06 C8 FA 5C 95 B3 2D
Calculated CRC Value	5C95B32D

Required Additional Data

ICAO Code	LD
LTP/FTP Orthometric Height (metres)	106.2

CHANGE: TMA classification vertical limits; Parachuting zones; Editorial.

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LDZA RNP RWY22

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	ODOKA	-	-	4°E	-	-	+5500	-230	-	IAF on ATC autorization only	RNP APCH
020	IF	TF	UGGIR	-	133° (136.6°T)	4°E	5.3	-	+3500	-185	-	-	
010	IAF	IF	RERNA	-	-	4°E	-	-	+4000	-	-	-	RNP APCH
020	IF	TF	UGGIR	-	223° (227.0°T)	4°E	5.0	-	+3500	-185	-	-	
010	IAF	IF	TINBO	-	-	4°E	-	-	+4000	-	-	IAF on ATC autorization only	RNP APCH
020	IF	TF	UGGIR	-	313° (317.3°T)	4°E	5.0	-	+3500	-185	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	UGGIR	-	-	4°E	-	-	+3500	-185	-	-	RNP APCH
020	FAF	TF	DIDEX	-	223° (227.0°T)	4°E	3.5	-	+3500	-	-	-	
030	MAPt	TF	RW22	Y	223° (226.9°T)	4°E	9.8	-	-	-	3.0 / 56.0	-	
040	MAHF	TF	EKSON	-	223° (226.8°T)	4°E	18.5	-	4000	-	-	-	
050	MAHF	HM	EKSON	-	043° (046.5°T)	4°E	1 MIN	R	4000	-230	-	Holding above 4000ft on ATC clearance only	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path Term-inator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude FT	Maximum altitude FT	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
EKSON	HM	043° (046.5°T)	1MIN / -	R	4000	-	230	4°E	-	RNAV 1
RERNA		223° (227.1°T)	1MIN / -	R	4000	-	250	4°E	-	

Waypoint coordinates

Waypoint name	WGS-84 Latitude	WGS-84 Longitude
ODOKA	455801.1N	0161340.1E
RERNA	455735.6N	0162402.7E
TINBO	454903.8N	0162538.1E
UGGIR	455412.2N	0161850.0E
DIDEX	455147.3N	0161508.0E
RW22	454506.86N	0160456.75E
EKSON	453227.7N	0154548.4E

CHANGE: TMA classification vertical limits; Parachuting zones; Editorial.

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VISUAL OPERATION CHART

AD ELEV 353ft

ARP
45°44'35"N
016°04'08"E

ZAGREB ATIS	124.575
ZAGREB RADAR	118.885
ZAGREB RADAR	120.700 State, not 8.33 capable
ZAGREB TOWER	118.300

ZAGREB / Franjo Tudjman (LDZA)



Reporting Point	Coordinates		Definition
E2	45 42 23N	016 23 37E	Town Ivanić - Grad
K4	45 54 22N	016 07 32E	Village Kašina
K5	45 50 04N	016 03 29E	Kaufland G. Dubrava
L6	45 35 03N	016 12 40E	Village Lekenik
N1	46 02 57N	016 05 04E	Town Zlatar Bistrica
N2	45 51 22N	015 48 22E	Town Zaprešić
N3	45 45 21N	016 00 45E	Marshaling yard
S1	45 29 07N	015 59 31E	Village Pokupsko
S2	45 42 30N	016 06 34E	Lake Čiče
W1	45 40 19N	015 39 04E	Town Jastrebarsko

SCALE 1:250 000

km 0 5 10

NM 0 5

Two-way radio communication required.
Contact Tower normally at reporting points or any other point but not later than 5min prior to entering CTR.

Meteorological conditions:
VFR: VMC conditions within airspace of CONTROL ZONE CLASS D
- flight visibility: 5 km
- ground visibility: 5 km
- minimum ceiling: 1500 ft

ATTENTION:
For latest information consult relevant publications, and NOTAMs!
Prominent transmission lines data not complete!
No guarantee for the completeness and accuracy of obstacles!

LEGEND
- Holding fix with WGS-84 coordinates — N2
- Significant VFR point — K4
- Recommended VFR route — PANON1
- Mandatory (arrival - departure) VFR route

ELEVATION TINTS

(m)	ft
(1200)	3937
(800)	2625
(400)	1313
(0)	0

VAR 4° E 2019

CHANGE: TMA classification vertical limits; Parachuting zones; L2 Significant point withdrawn; New L7 Significant point added; Flight altitude of recommended VFR routes removed; Editorial.

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SID RWY 22

Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 FT/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary this is indicated in the description of the route.

SID RWY 22				
Designator	Route	After take-off		Remarks
		Climb initially	Contact	
RAVNA1C	**RAVNA ONE CHARLIE DEPARTURE** Climb on R-221 ZDA. At 5.0 DME ZDA turn RIGHT on 006° to intercept R-316 ZDA and continue climb to RAVNA.	8000	Zadar Radar 128.525 MHZ	Cross RAVNA at or above 8000 FT. If unable, contact ATC.
PALEZ1C	**PALEZ ONE CHARLIE DEPARTURE** Climb on R-221 ZDA. At 5.0 DME ZDA turn RIGHT direct to BO L (MAX IAS 250 KT during turn). Cross BO L and continue on QDR 021° BO climbing to PALEZ.	8000	Zadar Radar 128.525 MHZ	Cross BO L at or above 6000 FT. Cross PALEZ at or above 8000 FT. If unable, contact ATC.
SPL3G	**SPLIT THREE GOLF DEPARTURE** Climb on R-221 ZDA. At 5.0 DME ZDA turn LEFT, inbound ZRA NDB. Cross R-137 ZDA turn RIGHT, intercept R-127 ZDA, climbing to SPL VOR DME.	8000	Zadar Radar 128.525 MHZ	
SAL3M	**SALI THREE MIKE DEPARTURE** Climb on R-218 ZDA direct to SAL NDB.	8000	Zadar Radar 128.525 MHZ	

SID RWY 31

Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 FT/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary this is indicated in the description of the route.

SID RWY 31				
Designator	Route	After take off		Remarks
		Climb initially	Contact	
RAVNA1D	**RAVNA ONE DELTA DEPARTURE** Climb straight ahead. At 6.2 DME ZDA turn RIGHT,intercept R-316 ZDA climbing to RAVNA.	8000	Zadar Radar 128.525 MHZ	Cross RAVNA at or above 8000 FT.
PALEZ1D	**PALEZ ONE DELTA DEPARTURE** MNM PDG 5.6% (341 FT/NM) to 7800 FT. Climb straight ahead. At 6.2 DME ZDA turn LEFT inbound ZDA VOR/DME. Cross ZDA VOR/DME, intercept R-010 ZDA climbing to PALEZ.	8000	Zadar Radar 128.525 MHZ	Cross ZDA VOR/DME at or above 6000 FT. Cross PALEZ at or above 8000 FT.
SPL5E	**SPLIT FIVE ECHO DEPARTURE** Climb straight ahead. At BO L (6.2 DME ZDA) turn LEFT inbound ZRA NDB. Cross ZRA NDB, intercept R-127 ZDA, climbing to SPL VOR DME.	8000	Zadar Radar 128.525 MHZ	
SAL 3E	**SALI THREE ECHO DEPARTURE** Climb straight ahead. At BO L (6.2 DME ZDA) turn LEFT, climbing to SAL NDB.	8000	Zadar Radar 128.525 MHZ	

STAR RWY 04 & RWY 13/31

STAR RWY 04 & RWY 13/31				
Designator	**Route**	**Descend**	**Contact**	**Remarks**
LOS6A	**LOSINJ SIX ALPHA ARRIVAL** From LOS NDB proceed on QDR 110° LOS (MNM ALT 6000 FT) to intercept 22.0 DME ZDA on R-312 ZDA (MNM ALT 6000 FT) and hold.	As cleared by ATC		
KUDUL1A	**KUDUL ONE ALPHA ARRIVAL** From KUDUL proceed on R-336 ZDA inbound ZDA VOR/DME (MNM ALT 7400 FT). At 24.0 DME ZDA turn RIGHT and intercept ARC 22.0 DME ZDA (MNM ALT 6100 FT). After crossing R-317 ZDA continue on ARC 22.0 DME ZDA (MNM ALT 6000 FT) to LUKAV and hold.	As cleared by ATC		
KUDUL1B	**KUDUL ONE BRAVO ARRIVAL** From KUDUL proceed on R-336 ZDA inbound ZDA VOR/DME (MNM ALT 7400 FT). Cross 24.0 DME ZDA and continue on R-336 ZDA (MNM ALT 6500 FT). Cross 10.0 DME ZDA and continue on R-336 ZDA to ZDA VOR/DME (MNM ALT 3000 FT). After crossing ZDA VOR/DME turn LEFT on R-132 ZDA to ZRA NDB (MNM ALT 3000 FT) and hold.	As cleared by ATC		
MINTU3E	**MINTU THREE ECHO ARRIVAL** From MINTU proceed on QDM 136° SAL to SAL NDB (MNM ALT 3000 FT).	As cleared by ATC		
SPL6B	**SPLIT SIX BRAVO ARRIVAL** From SPL VOR DME proceed on R-307 SPL (MNM ALT 5000 FT). After crossing 30.4 DME SPL / 24.0 DME ZDA proceed on R-307 SPL to ZRA NDB (MNM ALT 3000 FT) and hold.	As cleared by ATC		

Rezervni uređaj na TWR-u za slučaj potpunog otkaza komunikacije

U slučaju potpunog prekida komunikacije, na TWR Zadar na raspolaganju je signalna svjetiljka.
Piloti trebaju pratiti svjetlosne signale s tornja.

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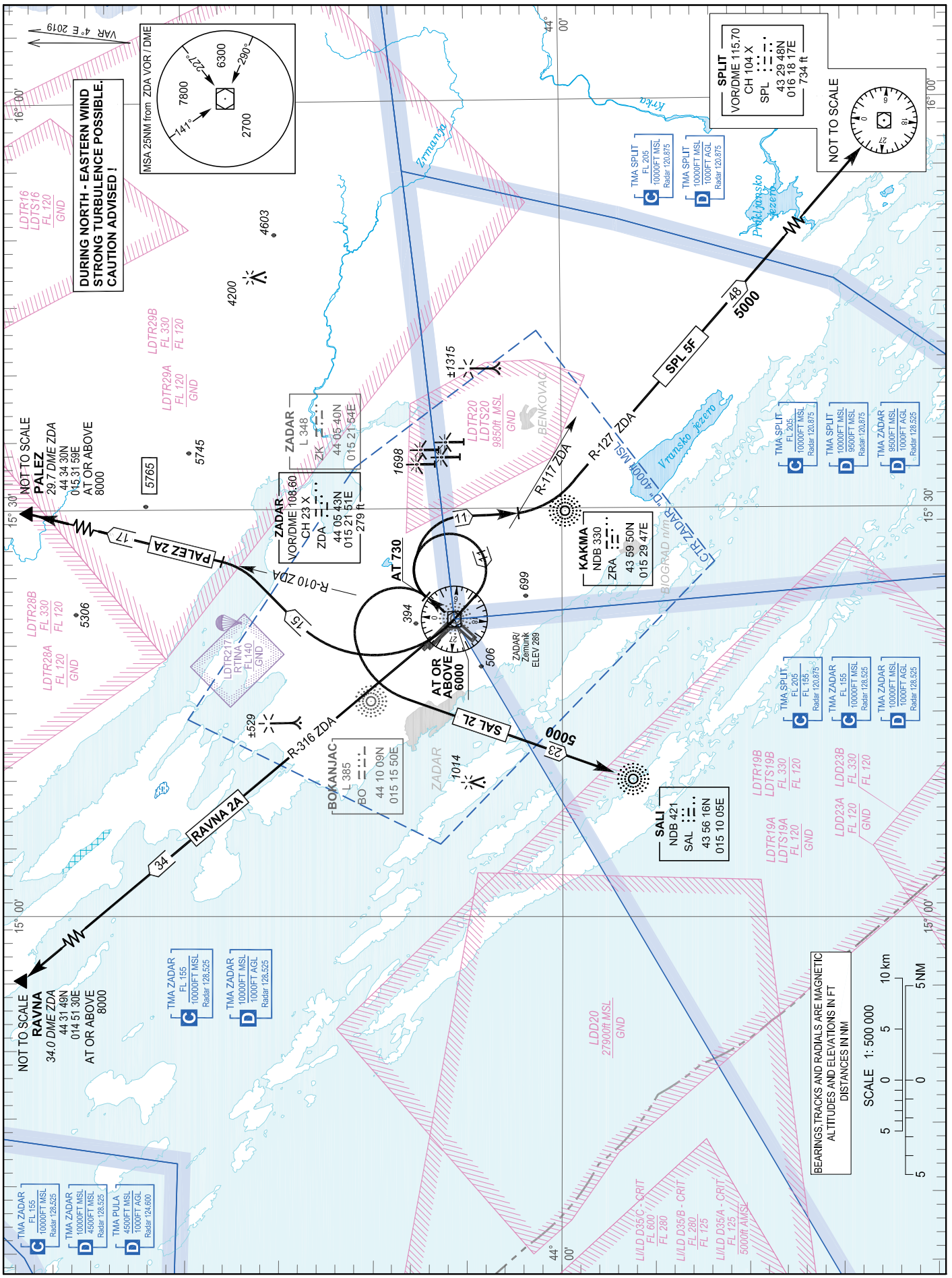
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

ZADAR TOWER	123.700
ZADAR DELIVERY	132.975
ZADAR RADAR	128.525

ZADAR / Zemunik (LDZD)
RWY 04

RAVNA 2A PALEZ 2A SPL 5F SAL 2L



CHANGE: TMAs classification vertical limits; Parachuting zone added; Editorial.

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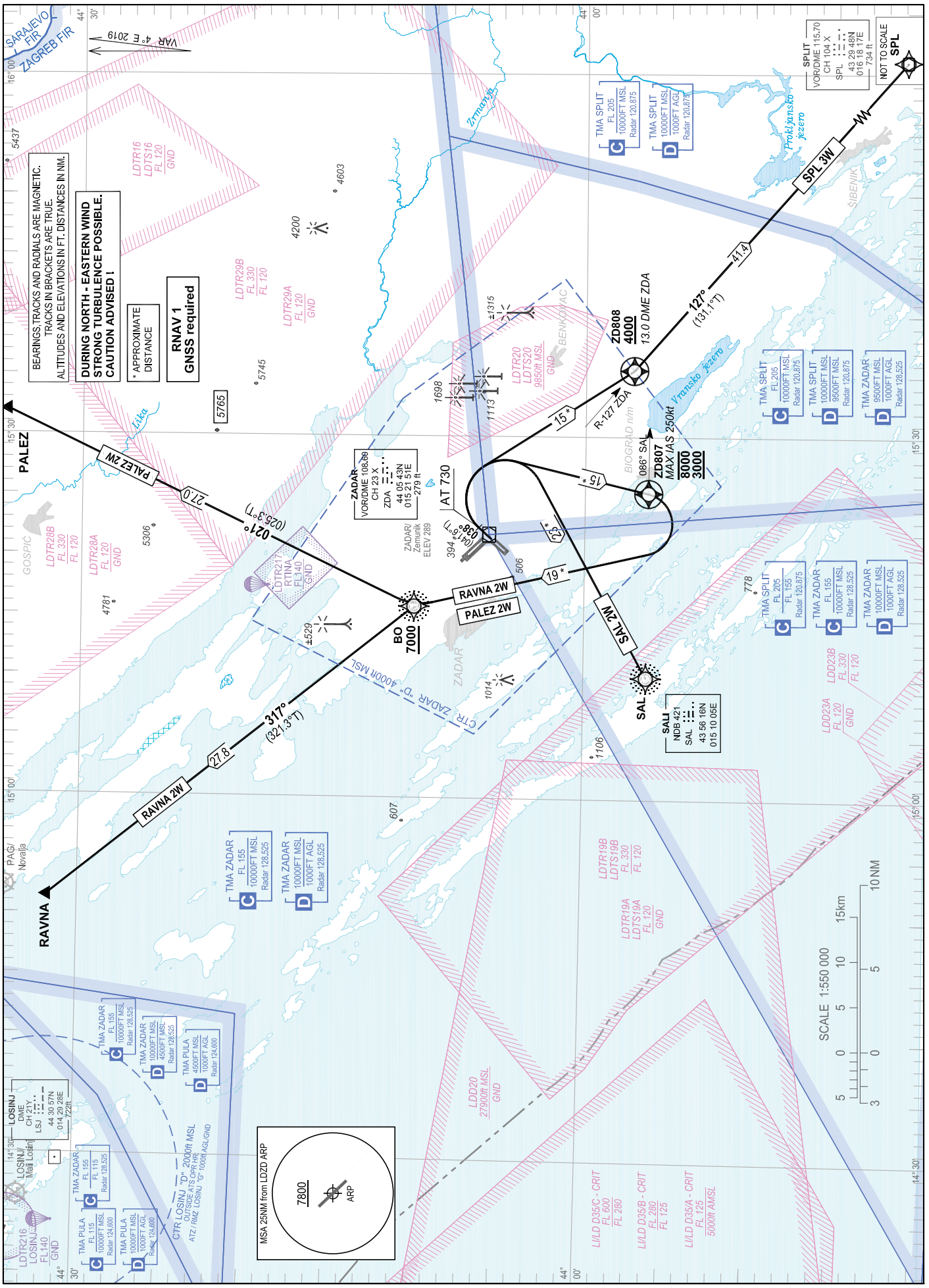
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

ZADAR TOWER	123.700
ZADAR DELIVERY	132.975
ZADAR RADAR	128.525

ZADAR / Zemunik (LDZD)
RNAV RWY 04

RAVNA 2W PALEZ 2W SAL 2W SPL 3W



CHANGE: TMAs classification vertical limits; Parachuting zones added; Editorial.

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ZADAR / Zemunik (LDZD)
RNAV RWY 04

RAVNA 2W PALEZ 2W SAL 2W SPL 3W

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs
- Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 ft/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary, this is indicated in the tabular description of the route.
- After take-off climb initially 8000 ft and contact Zadar Radar on 128.525 MHz.

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SIDs PALEZ 2W, RAVNA 2W only:
Climb straight ahead. At 730 ft AMSL turn RIGHT climbing on track 190°. Cross QDR 086° SAL at or above 3000 ft AMSL, but at or below 8000 ft AMSL. After crossing QDR 086° SAL, proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction. MAX IAS 250 kt. MNM PDG 3.4% (207 ft/NM) to 2000 ft.

LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 04

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	RAVNA 2W	CA	-	-	038° (041.6°T)	4°E	-	-	@730	-	MNM PDG 3.4% (207 ft/NM) to 2000 ft	
020		DF	ZD807	Y	-	4°E	-	R	-8000 +3000	-250		RNAV 1
030		DF	BO	-	-	4°E	-	R	+7000	-		
040		TF	RAVNA	-	317° (321.3°T)	4°E	27.8	-	-	-		
010	PALEZ 2W	CA	-	-	038° (041.6°T)	4°E	-	-	@730	-	MNM PDG 3.4% (207 ft/NM) to 2000 ft	
020		DF	ZD807	Y	-	4°E	-	R	-8000 +3000	-250		RNAV 1
030		DF	BO	-	-	4°E	-	R	+7000	-		
040		TF	PALEZ	-	021° (025.3°T)	4°E	27.0	-	-	-		

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID SAL 2W only:
Climb straight ahead. At 730ft AMSL turn RIGHT direct to SAL NDB. MNM PDG 3.4% (207 ft/NM) to 2000 ft.

LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 04

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SAL 2W	CA	-	-	038° (041.6°T)	4°E	-	-	@730	-	MNM PDG 3.4% (207 ft/NM) to 2000 ft	
020		DF	SAL	-	-	4°E	-	R	-	-		RNAV 1

CHANGE: TMAs classification vertical limits; Parachuting zones added; Editorial.

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ZADAR / Zemunik (LDZD)
RNAV RWY 04

RAVNA 2W PALEZ 2W SAL 2W SPL 3W

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID SPL 3W only:
Climb straight ahead. At 730 ft AMSL turn RIGHT climbing to intercept and follow R-127 ZDA. Cross 13.0 DME ZDA at or above 4000 ft AMSL. After crossing 13.0 DME ZDA, proceed via RNAV SID SPL 3W or according to ATC instruction. MNM PDG 3.4% (207 ft/NM) to 2000 ft.

LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 04

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SPL 3W	CA	-	-	038° (041.6°T)	4°E	-	-	@730	-	MNM PDG 3.4% (207 ft/NM) to 2000 ft	RNAV 1
020		DF	ZD808	Y	-	4°E	-	R	+4000	-		
030		TF	SPL	-	127° (131.1°T)	4°E	41.4	-	-	-		

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
BO	441009.29N	0151550.41E
SAL	435616.30N	0151005.20E
SPL	432947.69N	0161817.00E
RAVNA	443149N	0145130E
PALEZ	443430N	0153159E
ZD807	435613.6N	0152520.6E
ZD808	435708.8N	0153529.4E

CHANGE: TMAs classification vertical limits; Parachuting zones added; Editorial.

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

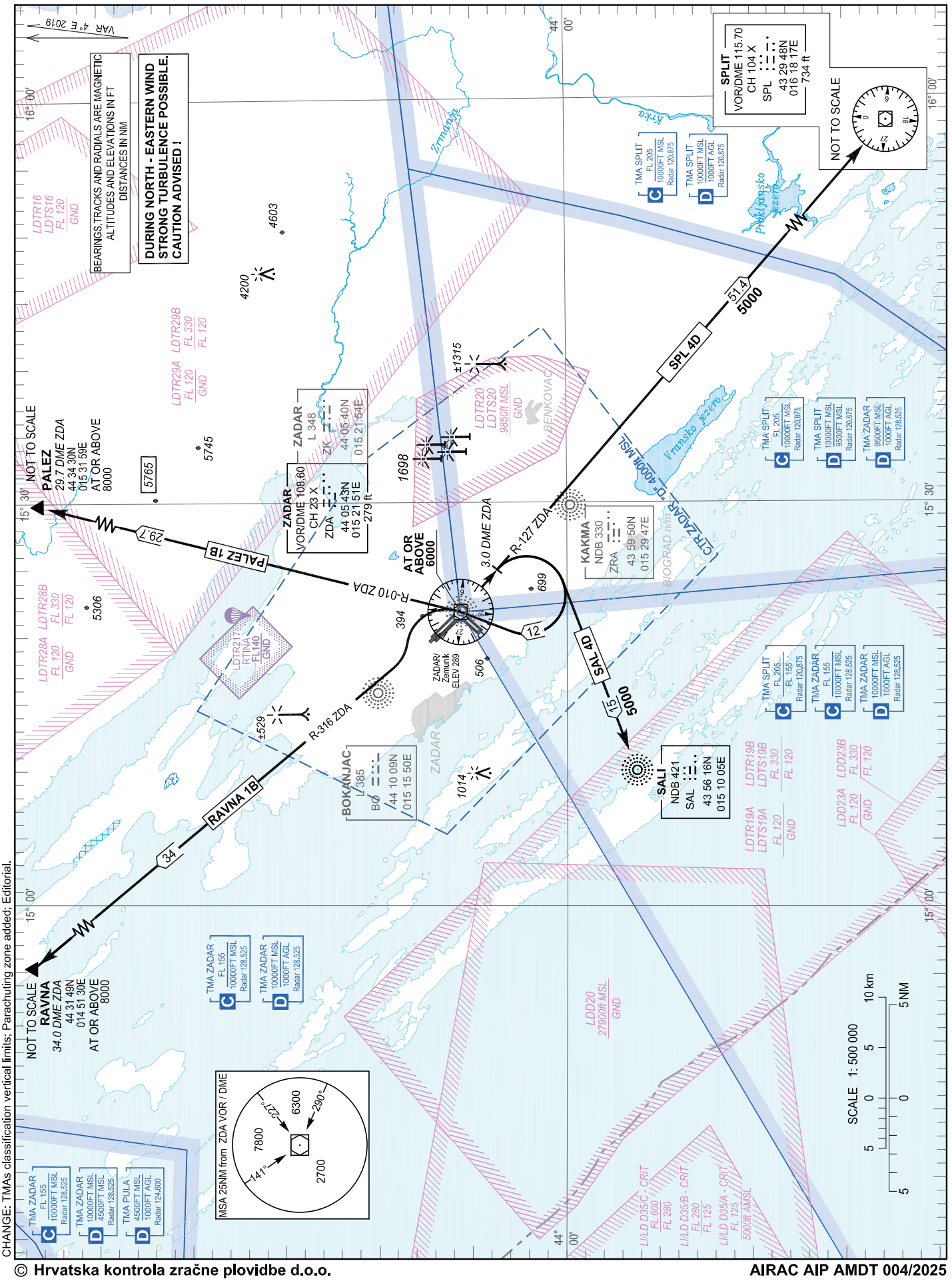
TRANSITION ALTITUDE
10 000

ZADAR TOWER	123.700
ZADAR DELIVERY	132.975
ZADAR RADAR	128.525

ZADAR / Zemunik (LDZD)

RAVNA 1B PALEZ 1B SAL 4D SPL 4D

RWY 13



CHANGE: TMAs classification vertical limits; Parachuting zone added; Editorial.

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

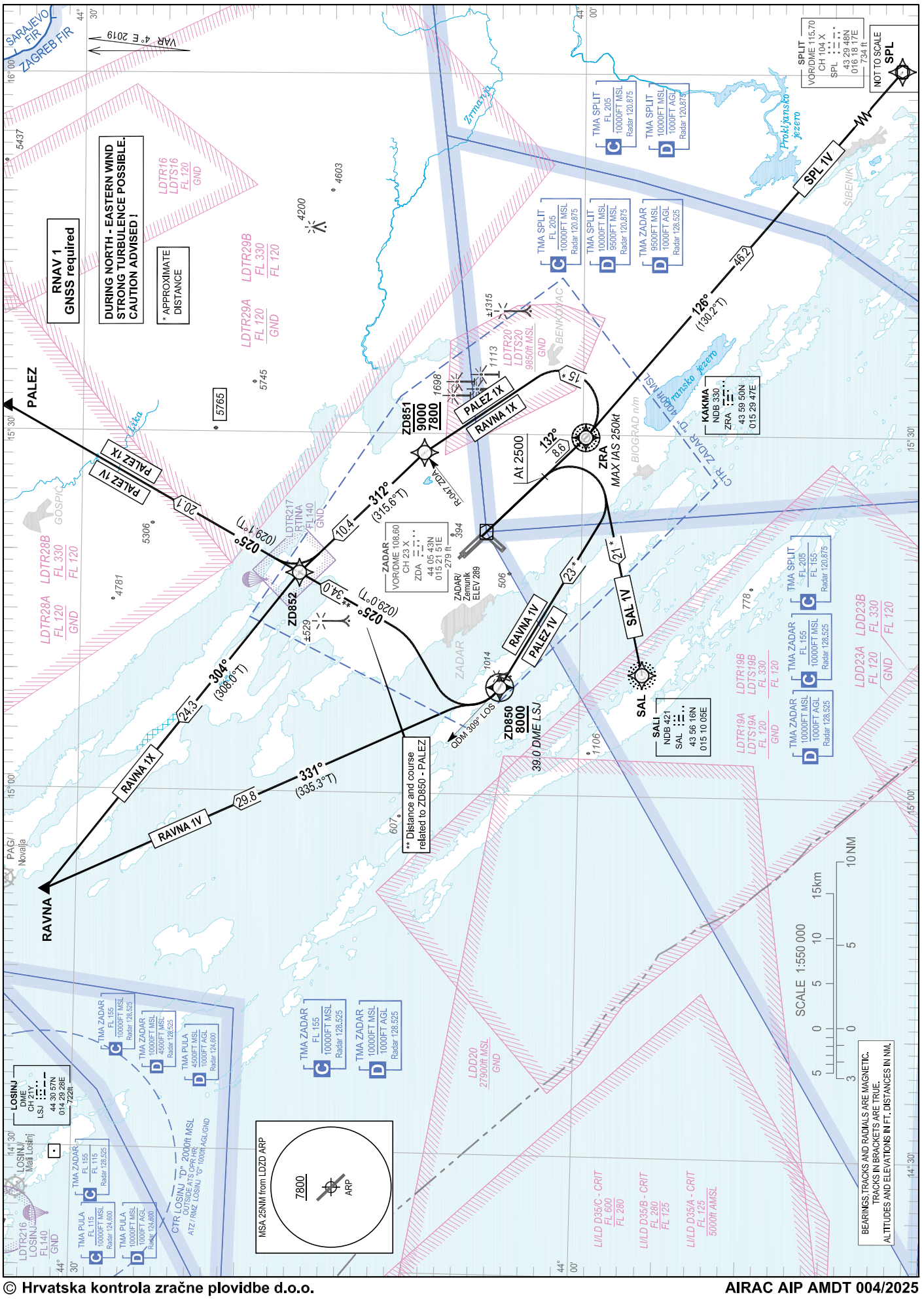
TRANSITION ALTITUDE
10 000

ZADAR TOWER	123.700
ZADAR DELIVERY	132.975
ZADAR RADAR	128.525

RAVNA 1V PALEZ 1V SPL 1V
SAL 1V RAVNA 1X PALEZ 1X

ZADAR / Zemunik (LDZD)

RNAV RWY 13



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ZADAR / Zemunik (LDZD)

RNAV RWY 13

RAVNA 1V PALEZ 1V SPL 1V
SAL 1V RAVNA 1X PALEZ 1X

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

- Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 ft/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary, this is indicated in the tabular description of the route.
- After take-off climb initially 8000 ft and contact Zadar Radar on 128.525 MHz.

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SIDs PALEZ 1V, RAVNA 1V only:
Climb straight ahead. At 2500 ft AMSL turn RIGHT climbing to intercept and follow QDM 309° LOS. Cross 39.0 DME LSJ at or above 8000 ft AMSL. After crossing 39.0 DME LSJ, proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction.

LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 13

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	RAVNA 1V	CA	-	-	132° (135.7°T)	4°E	-	-	@2500	-	-	
020		DF	ZD850	Y	-	4°E	-	R	+8000	-		RNAV 1
030		TF	RAVNA	-	331° (335.3°T)	4°E	29.8	-	-	-		
010	PALEZ 1V	CA	-	-	132° (135.7°T)	4°E	-	-	@2500	-	-	
020		DF	ZD850	Y	-	4°E	-	R	+8000	-		RNAV 1
030		TF	PALEZ	-	025° (029.0°T)	4°E	34.0	-	-	-		

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID SPL 1V only:
Climb straight ahead to ZRA NDB. From ZRA NDB intercept and follow R-126 ZDA climbing to SPL VOR/DME. On passing 4000 ft AMSL proceed via RNAV SID SPL 1V or according to ATC instruction.

LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 13

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SPL 1V	CF	ZRA	Y	132° (135.8°T)	4°E	8.6	-	-	-	-	
020		TF	SPL	-	126° (130.2°T)	4°E	46.2	-	-	-		RNAV 1

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID SAL 1V only:
Climb straight ahead. At 2500 ft AMSL turn RIGHT direct to SAL NDB.

LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 13

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SAL 1V	CA	-	-	132° (135.7°T)	4°E	-	-	@2500	-	-	
020		DF	SAL	-	-	4°E	-	R	-	-		RNAV 1

CHANGE: TMAs classification vertical limits; Parachuting zones added; PBN box updated; Editorial.

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WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SIDs PALEZ 1X, RAVNA 1X only:
Climb straight ahead. At ZRA NDB turn LEFT climbing on track 312°. Cross R-047 ZDA at or above 7800 ft AMSL, but at or below 9000 ft AMSL. After crossing R-047 ZDA, proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction. MAX IAS 250 kt. MNM PDG 5.0% (304 ft/NM) to 7800 ft AMSL.

LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 13

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	RAVNA 1X	CF	ZRA	Y	132° (135.8°T)	4°E	8.6	-	-	-250	MNM PDG 5.0% (304 ft/NM) to 7800 ft AMSL	
020		DF	ZD851	-	-	4°E	-	L	-9000 +7800	-		
030		TF	ZD852	-	312° (315.6°T)	4°E	10.4	-	-	-		RNAV 1
040		TF	RAVNA	-	304° (308.0°T)	4°E	24.3	-	-	-		
010	PALEZ 1X	CF	ZRA	Y	132° (135.8°T)	4°E	8.6	-	-	-250	MNM PDG 5.0% (304 ft/NM) to 7800 ft AMSL	
020		DF	ZD851	-	-	4°E	-	L	-9000 +7800	-		
030		TF	ZD852	-	312° (315.6°T)	4°E	10.4	-	-	-		RNAV 1
040		TF	PALEZ	-	025° (029.1°T)	4°E	20.1	-	-	-		

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
SAL	435616.30N	0151005.20E
SPL	432947.69N	0161817.00E
ZRA	435949.76N	0152947.31E
RAVNA	443149N	0145130E
PALEZ	443430N	0153159E
ZD850	440447.4N	0150854.4E
ZD851	440929.7N	0152823.5E
ZD852	441654.5N	0151815.9E

CHANGE: TMAs classification vertical limits; Parachuting zones added; PBN box updated; Editorial.

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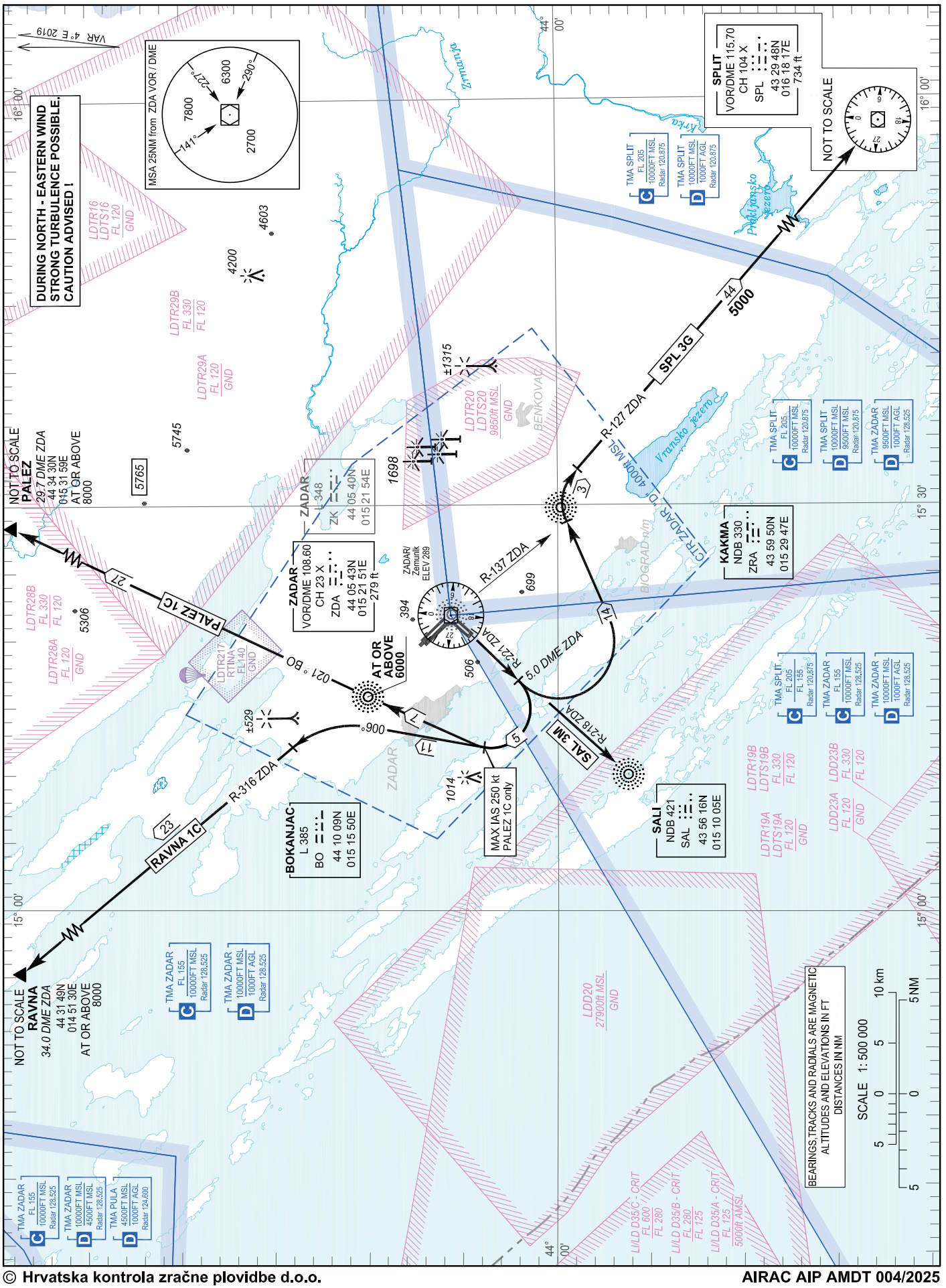
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

ZADAR TOWER	123.700
ZADAR DELIVERY	132.975
ZADAR RADAR	128.525

ZADAR / Zemunik (LDZD)
RWY 22

RAVNA 1C PALEZ 1C SAL 3M SPL 3G



CHANGE: TMAs classification vertical limits; Parachuting zone added; Editorial.

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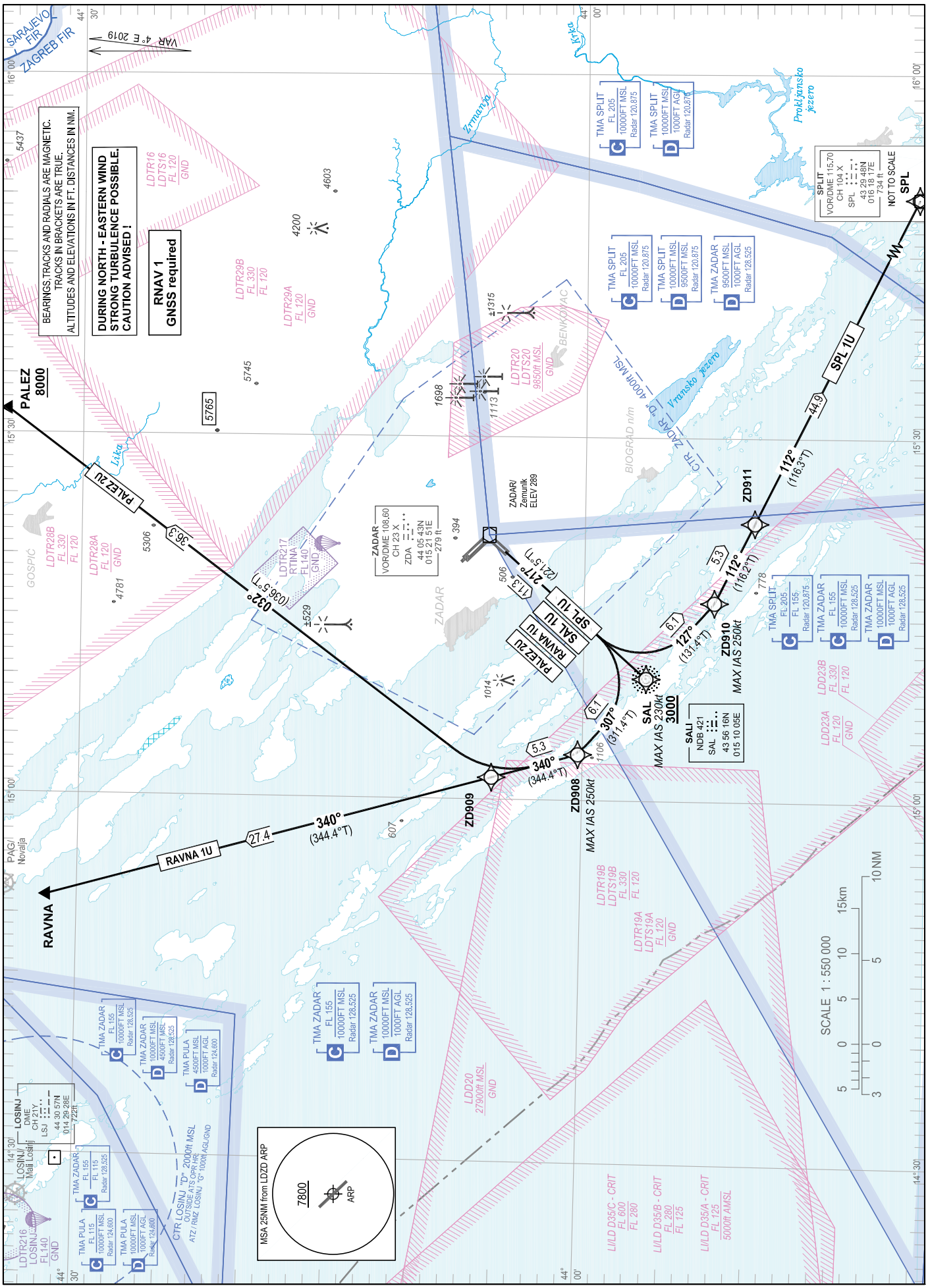
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

ZADAR TOWER	123.700
ZADAR DELIVERY	132.975
ZADAR RADAR	128.525

ZADAR / Zemunik (LDZD)
RNAV RWY 22

RAVNA 1U PALEZ 2U SAL 1U SPL 1U



CHANGE: TMAs classification vertical limits; Parachuting zones added; Editorial.

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ZADAR / Zemunik (LDZD)
RNAV RWY 22
RAVNA 1U PALEZ 2U SAL 1U SPL 1U

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs
- Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 ft/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary, this is indicated in the tabular description of the route.
- After take-off climb initially 8000 ft and contact Zadar Radar on 128.525 MHz.

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SIDs PALEZ 2U, RAVNA 1U, SPL 1U only:
Climb straight ahead. Cross SAL NDB at or above 3000 ft AMSL. After crossing SAL NDB, proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction. MAX IAS 230 kt.

LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 22

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	RAVNA 1U	CF	SAL	-	217° (221.5°T)	4°E	11.3	-	+3000	-230	-	
020		TF	ZD908	-	307° (311.4°T)	4°E	6.1	-	-	-250		
030		TF	ZD909	-	340° (344.4°T)	4°E	5.3	-	-	-		RNAV 1
040		TF	RAVNA	-	340° (344.4°T)	4°E	27.4	-	-	-		
010	PALEZ 2U	CF	SAL	-	217° (221.5°T)	4°E	11.3	-	+3000	-230	-	
020		TF	ZD908	-	307° (311.4°T)	4°E	6.1	-	-	-250		
030		TF	ZD909	-	340° (344.4°T)	4°E	5.3	-	-	-		RNAV 1
040		TF	PALEZ	-	032° (036.5°T)	4°E	36.3	-	+8000	-		
010	SAL 1U	CF	SAL	-	217° (221.5°T)	4°E	11.3	-	+3000	-	-	RNAV 1
010	SPL 1U	CF	SAL	-	217° (221.5°T)	4°E	11.3	-	+3000	-230	-	
020		TF	ZD910	-	127° (131.4°T)	4°E	6.1	-	-	-250		
030		TF	ZD911	-	112° (116.2°T)	4°E	5.3	-	-	-		RNAV 1
040		TF	SPL	-	112° (116.3°T)	4°E	44.9	-	-	-		

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
SAL	435616.30N	0151005.20E
SPL	432947.69N	0161817.00E
RAVNA	443149N	0145130E
PALEZ	443430N	0153159E
ZD908	440016.8N	0150346.6E
ZD909	440524.4N	0150147.8E
ZD910	435215.5N	0151622.9E
ZD911	434954.3N	0152258.7E

CHANGE: TMAs classification vertical limits; Parachuting zones added; Editorial.

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

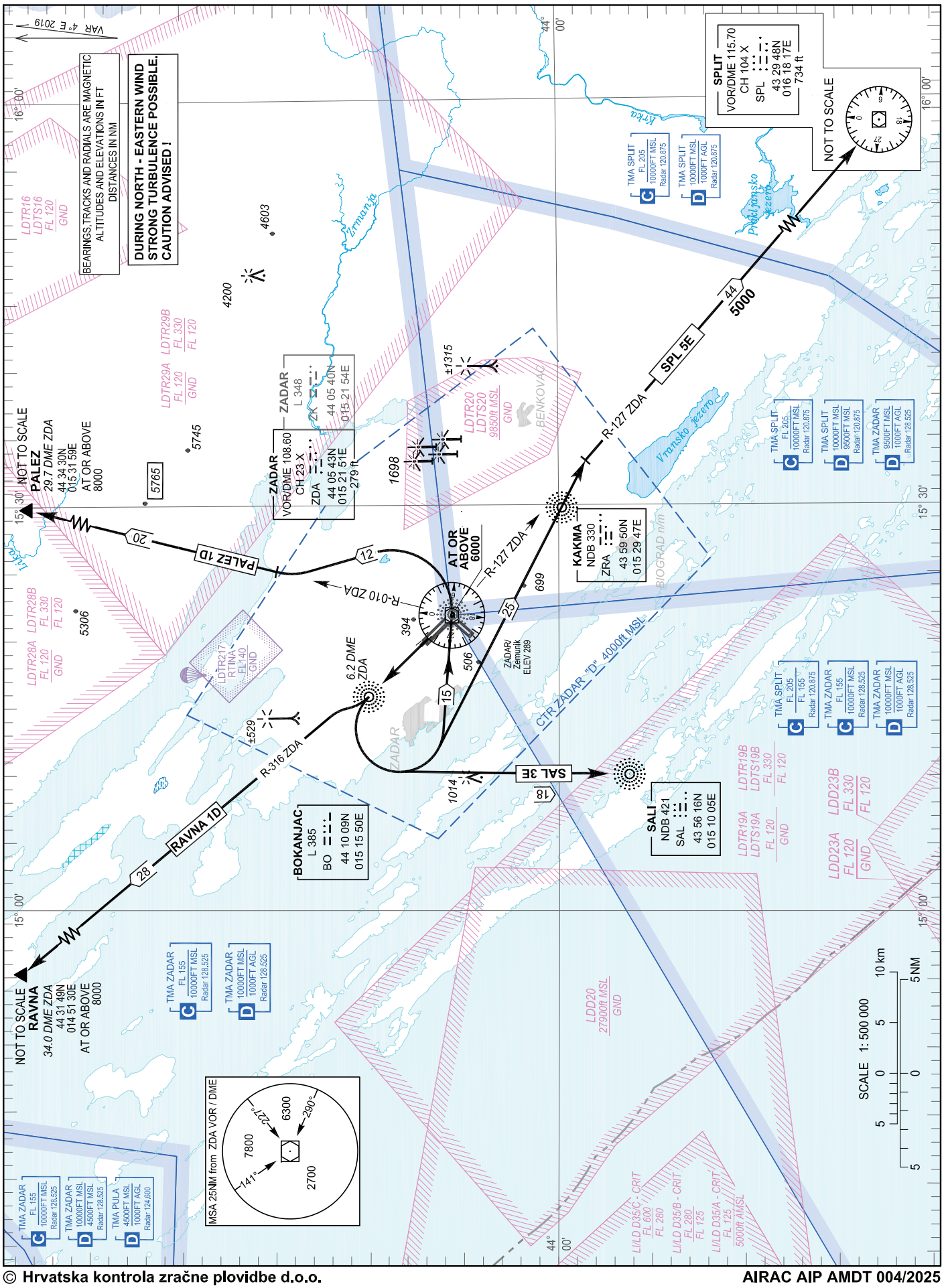
TRANSITION ALTITUDE
10 000

ZADAR TOWER	123.700
ZADAR DELIVERY	132.975
ZADAR RADAR	128.525

ZADAR / Zemunik (LDZD)

RAVNA 1D PALEZ 1D SAL 3E SPL 5E

RWY 31



CHANGE: TMAs classification vertical limits; Parachuting zone added; Editorial.

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

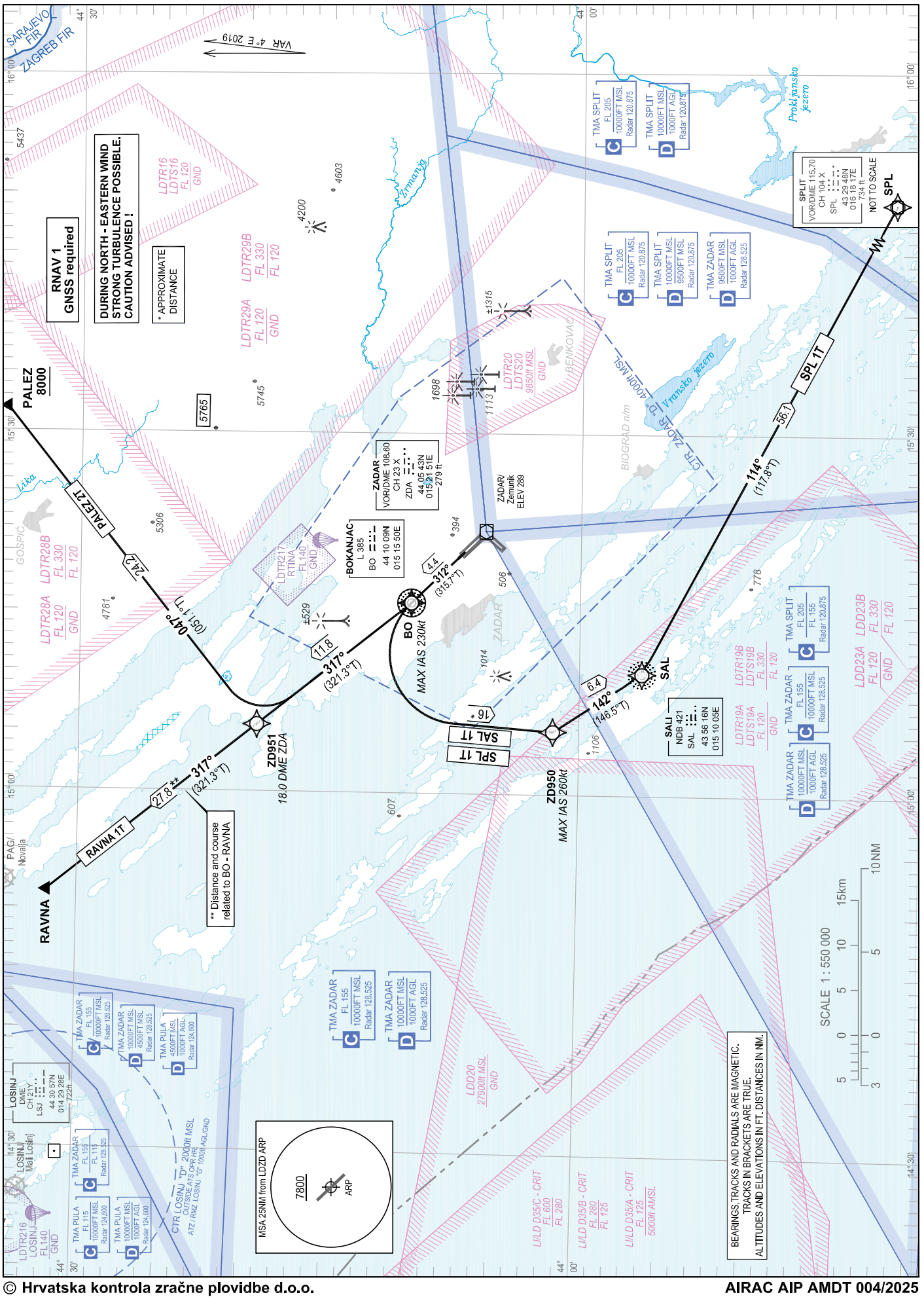
TRANSITION ALTITUDE
10 000

ZADAR TOWER	123.700
ZADAR DELIVERY	132.975
ZADAR RADAR	128.525

ZADAR / Zemunik (LDZD)

RAVNA 1T PALEZ 2T SPL 1T SAL 1T

RNAV RWY 31



CHANGE: TMAs classification vertical limits; Parachuting zones added; PBN box updated; Editorial.

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ZADAR / Zemunik (LDZD)

RNAV RWY 31 RAVNA 1T PALEZ 2T SPL 1T SAL 1T

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs
- Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 ft/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary, this is indicated in the tabular description of the route.
- After take-off climb initially 8000 ft and contact Zadar Radar on 128.525 MHz.

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID RAVNA 1T only:
Climb straight ahead to BO L. At BO L proceed on bearing QDR 317° BO to RAVNA. On passing 6000 ft AMSL proceed via RNAV SID RAVNA 1T or according to ATC instruction.

LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 31

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	RAVNA 1T	CF	BO	Y	312° (315.7°T)	4°E	4.4	-	-	-	-	RNAV 1
020		TF	RAVNA	-	317° (321.3°T)	4°E	27.8	-	-	-		

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID PALEZ 2T only:
Climb straight ahead to BO L. MAX IAS 230 kt. At BO L proceed on bearing QDR 317° BO to 18.0 DME ZDA. At 18.0 DME ZDA turn RIGHT on track 047° to PALEZ. On passing 7800 ft AMSL proceed via RNAV SID PALEZ 2T or according to ATC instruction. MNM PDG 6.1% (371 ft/NM) to 7800 ft AMSL. Cross PALEZ at or above 8000 ft AMSL.

LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 31

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	PALEZ 2T	CF	BO	Y	312° (315.7°T)	4°E	4.4	-	-	-230	MNM PDG 6.1% (371 ft/NM) to 7800 ft AMSL	RNAV 1
020		TF	ZD951	-	317° (321.3°T)	4°E	11.8	-	-	-		
030		TF	PALEZ	-	047° (051.1°T)	4°E	24.2	-	+8000	-		

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID SPL 1T only:
Climb straight ahead to BO L. MAX IAS 230 kt. At BO L turn LEFT climbing direct to SAL NDB. MAX IAS 260 kt. After crossing SAL NDB, proceed via RNAV SID SPL 1T or according to ATC instruction.

LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 31

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SPL 1T	CF	BO	Y	312° (315.7°T)	4°E	4.4	-	-	-230	-	RNAV 1
020		DF	ZD950	-	-	4°E	-	L	-	-260		
030		TF	SAL	-	142° (146.5°T)	4°E	6.4	-	-	-		
040		TF	SPL	-	114° (117.8°T)	4°E	56.1	-	-	-		

CHANGE: TMAs classification vertical limits; Parachuting zones added; PBN box updated; Editorial.

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RAVNA 1T PALEZ 2T SPL 1T SAL 1T RNAV RWY 31

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID SAL 1T only:
Climb straight ahead to BO L. MAX IAS 230 kt. At BO L turn LEFT climbing direct to SAL NDB. MAX IAS 260 kt.

LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 31

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SAL 1T	CF	BO	Y	312° (315.7°T)	4°E	4.4	-	-	-230	-	RNAV 1
020		DF	ZD950	-	-	4°E	-	L	-	-260		
030		TF	SAL	-	142° (146.5°T)	4°E	6.4	-	-	-		

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
BO	441009.29N	0151550.41E
SAL	435616.30N	0151005.20E
SPL	432947.69N	0161817.00E
RAVNA	443149N	0145130E
PALEZ	443430N	0153159E
ZD950	440134.5N	0150513.7E
ZD951	441920.2N	0150534.2E

CHANGE: TMAs classification vertical limits; Parachuting zones added; PBN box updated; Editorial.

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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

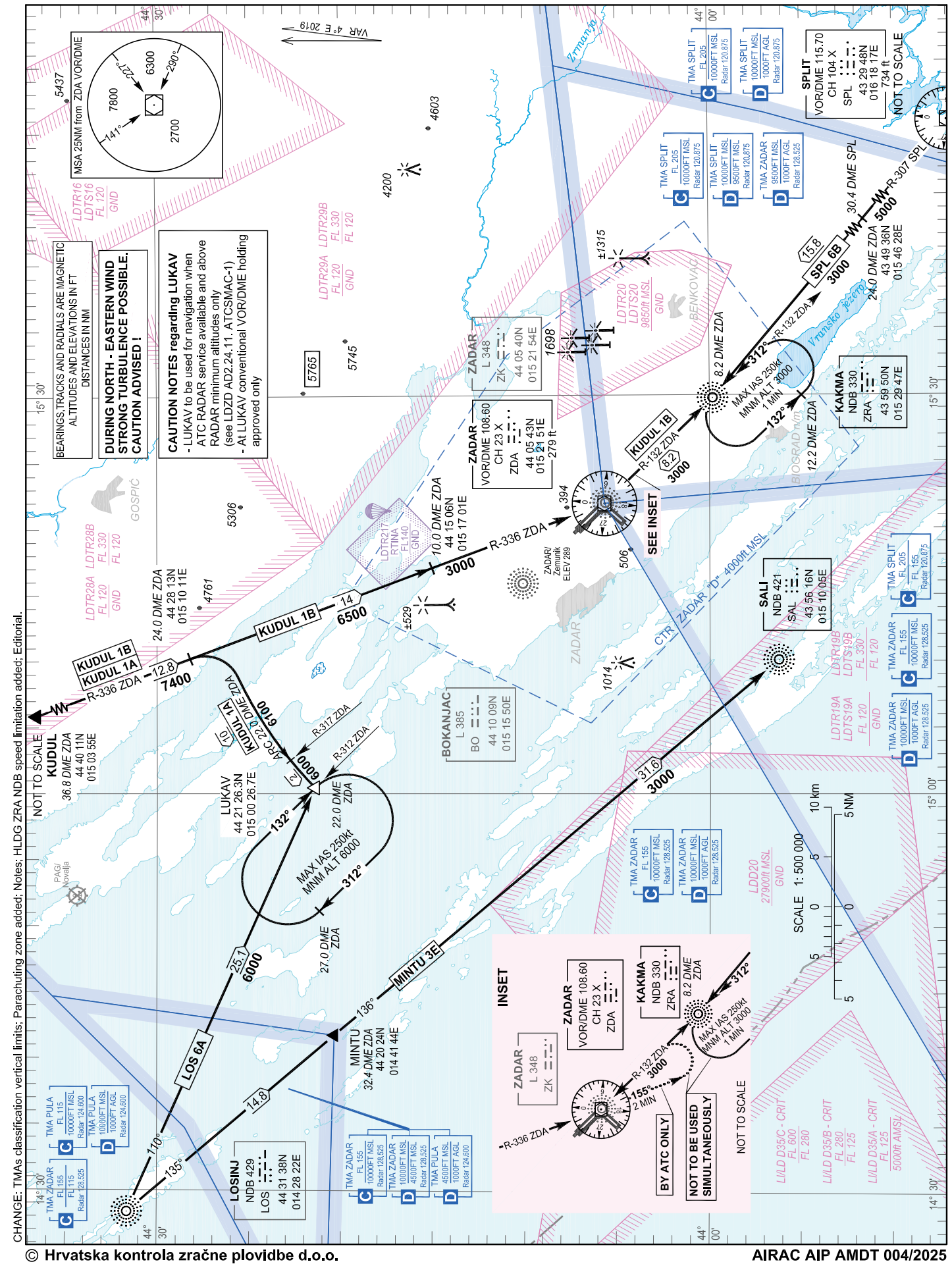
TRANSITION ALTITUDE
10 000

ZADAR RADAR	128.525
ZADAR TOWER	123.700
ZADAR DELIVERY	132.975

LOS 6A KUDUL 1A
KUDUL 1B MINTU 3E SPL 6B

ZADAR / Zemunik (LDZD)

RWY 04 & RWY 13/31



CHANGE: TMAs classification vertical limits; Parachuting zone added; Notes; HLDG ZRA NDB speed limitation added; Editorial.

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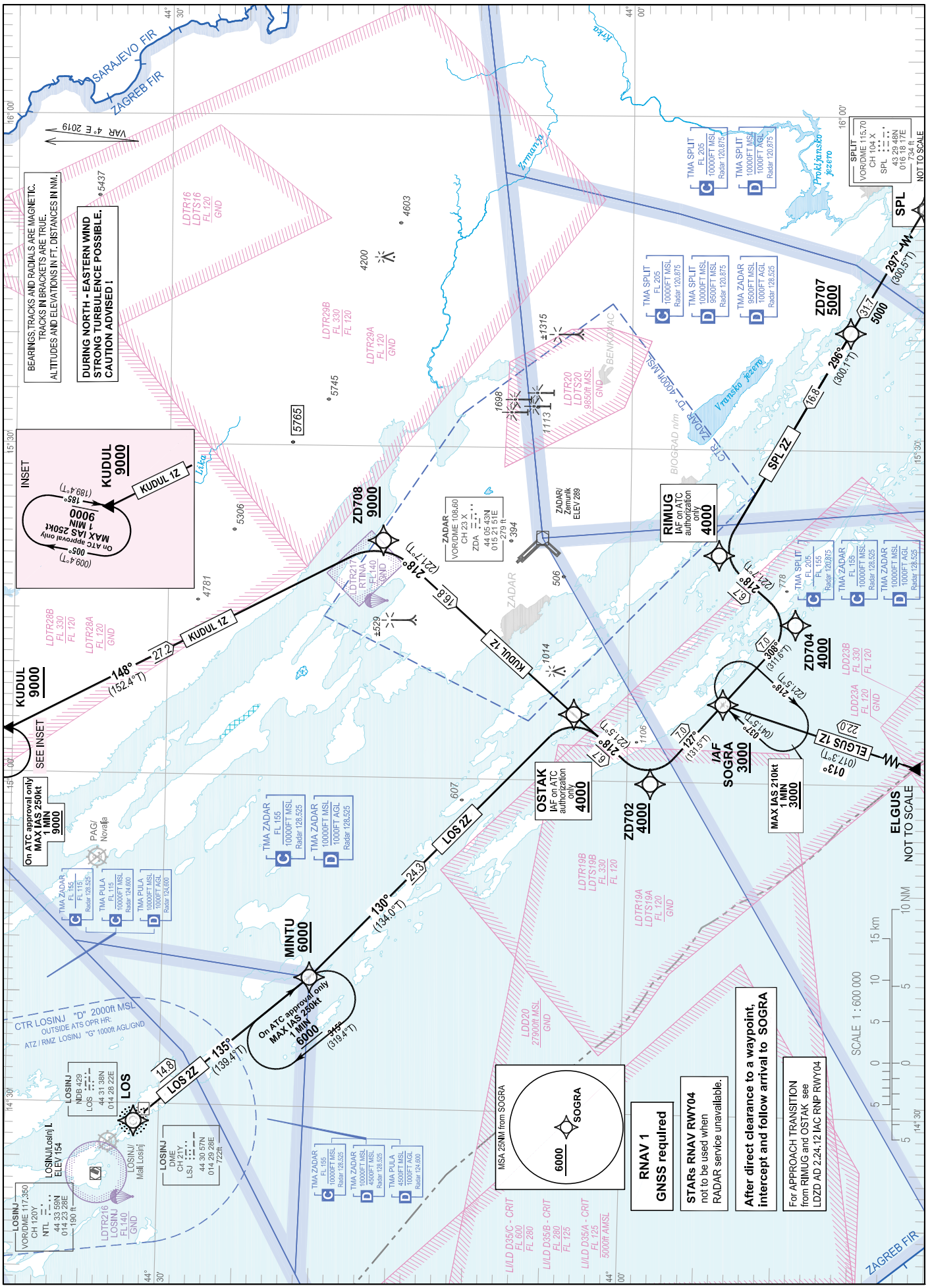
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

ZADAR RADAR	128.525
ZADAR TOWER	123.700
ZADAR DELIVERY	132.975

ZADAR / Zemunik (LDZD)
RNAV RWY 04

LOS 2Z KUDUL 1Z SPL 2Z ELGUS 1Z



CHANGE: TMAs classification vertical limits; Parachuting zones added; Notes; Editorial.

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ZADAR / Zemunik (LDZD)
RNAV RWY 04
LOS 2Z KUDUL 1Z SPL 2Z ELGUS 1Z

LDZD RNAV STANDARD ARRIVAL RWY 04

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	LOS 2Z	IF	LOS	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	MINTU	-	135° (139.4°T)	4°E	14.8	-	+6000	-	-	
030		TF	OSTAK	-	130° (134.0°T)	4°E	24.3	-	+4000	-	IAF on ATC authorization only	
040		TF	ZD702	-	218° (221.5°T)	4°E	6.7	-	+4000	-	-	
050		TF	SOGRA	-	127° (131.5°T)	4°E	7.0	-	+3000	-	IAF	
010	KUDUL 1Z	IF	KUDUL	-	-	4°E	-	-	+9000	-	-	RNAV 1
020		TF	ZD708	-	148° (152.4°T)	4°E	27.2	-	+9000	-	-	
030		TF	OSTAK	-	218° (221.7°T)	4°E	16.8	-	+4000	-	IAF on ATC authorization only	
040		TF	ZD702	-	218° (221.5°T)	4°E	6.7	-	+4000	-	-	
050		TF	SOGRA	-	127° (131.5°T)	4°E	7.0	-	+3000	-	IAF	
010	SPL 2Z	IF	SPL	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZD707	-	297° (300.5°T)	4°E	31.7	-	+5000	-	-	
030		TF	RIMUG	-	296° (300.1°T)	4°E	16.8	-	+4000	-	IAF on ATC authorization only	
040		TF	ZD704	-	218° (221.7°T)	4°E	6.7	-	+4000	-	-	
050		TF	SOGRA	-	308° (311.6°T)	4°E	7.0	-	+3000	-	IAF	
010	ELGUS 1Z	IF	ELGUS	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	SOGRA	-	013° (017.3°T)	4°E	22.0	-	+3000	-	IAF	

IAF on ATC authorization only: For APPROACH TRANSITION from RIMUG and OSTAK see LDZD AD 2.24.12 IAC RNP RWY 04

CHANGE: TMAs classification vertical limits; Parachuting zones added; Notes; Editorial.

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ZADAR / Zemunik (LDZD)
RNAV RWY 04

LOS 2Z KUDUL 1Z SPL 2Z ELGUS 1Z

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
MINTU	HM	135° (139.4°T)	1 MIN / -	R	6000	-	250	4°E	On ATC approval only	RNAV 1
KUDUL	HM	185° (189.4°T)	1 MIN / -	R	9000	-	250	4°E	On ATC approval only	RNAV 1
SOGRA	HM	037° (041.5°T)	1 MIN / -	R	3000	-	210	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
LOS	443137.55N	0142822.25E
SPL	432947.69N	0161817.00E
ELGUS	433252N	0145800E
MINTU	442024N	0144144E
OSTAK	440331.0N	0150557.8E
RIMUG	435413.2N	0152027.8E
SOGRA	435350.2N	0150702.6E
KUDUL	444011N	0150355E
ZD702	435828.7N	0145947.5E
ZD704	434911.7N	0151417.2E
ZD707	434549.7N	0154033.0E
ZD708	441604.3N	0152126.9E

CHANGE: TMAs classification vertical limits; Parachuting zones added; Notes; Editorial.

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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

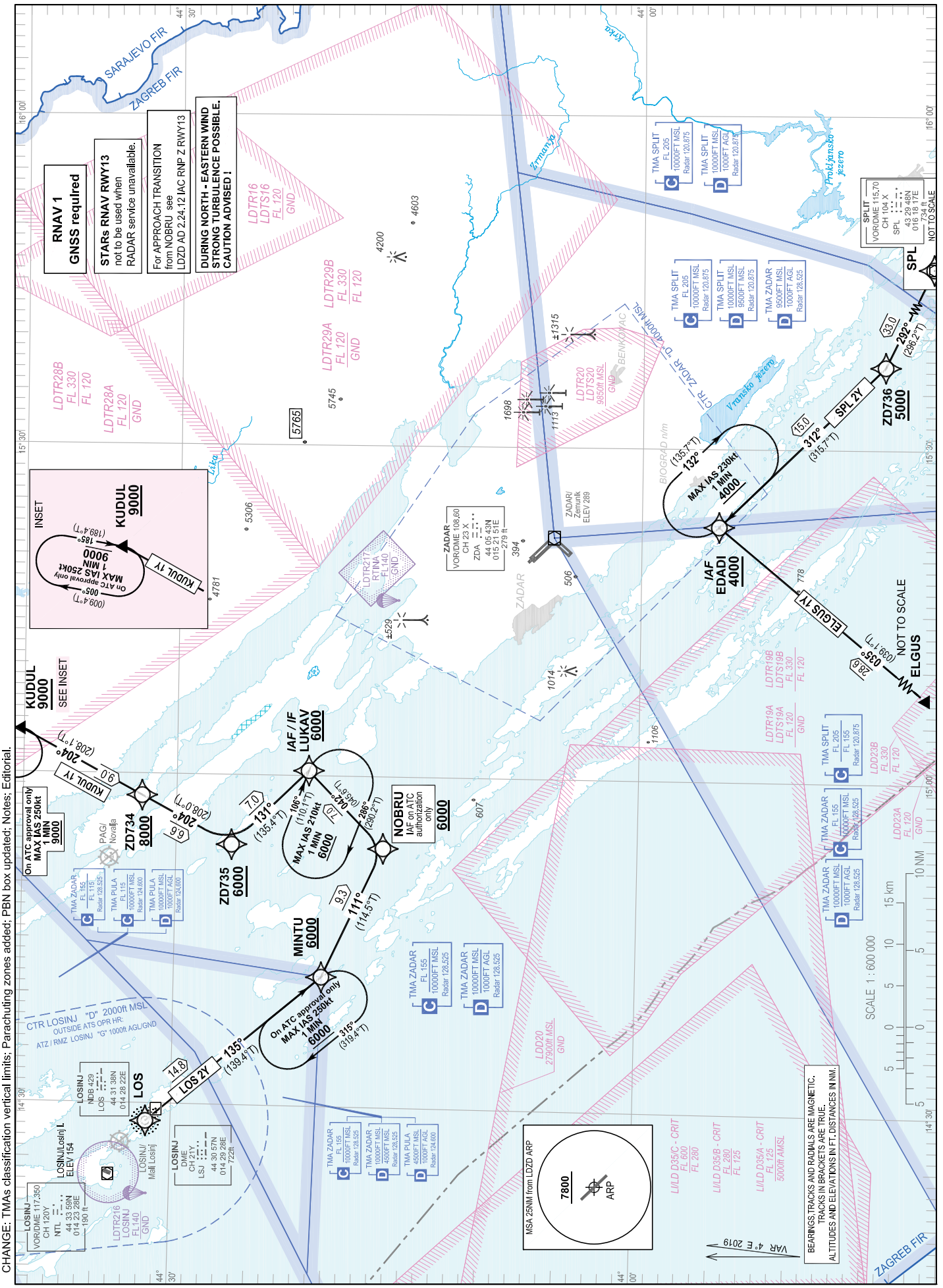
TRANSITION ALTITUDE
10 000

ZADAR RADAR	128.525
ZADAR TOWER	123.700
ZADAR DELIVERY	132.975

ZADAR / Zemunik (LDZD)

LOS 2Y KUDUL 1Y SPL 2Y ELGUS 1Y

RNAV RWY 13



CHANGE: TMAs classification vertical limits; Parachuting zones added; PBN box updated; Notes: Editorial.

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RNAV RWY 13 LOS 2Y KUDUL 1Y SPL 2Y ELGUS 1Y

LDZD RNAV STANDARD ARRIVAL RWY 13

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	LOS 2Y	IF	LOS	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	MINTU	-	135° (139.4°T)	4°E	14.8	-	+6000	-	-	
030		TF	NOBRU	-	111° (114.5°T)	4°E	9.3	-	+6000	-	IAF on ATC authorization only for RNP Z RWY 13	
040		TF	LUKAV	-	042° (045.6°T)	4°E	7.0	-	+6000	-	IAF/IF	
010	KUDUL 1Y	IF	KUDUL	-	-	4°E	-	-	+9000	-	-	RNAV 1
020		TF	ZD734	-	204° (208.1°T)	4°E	9.0	-	+8000	-	-	
030		TF	ZD735	-	204° (208.0°T)	4°E	6.6	-	+6000	-	-	
040		TF	LUKAV	-	131° (135.4°T)	4°E	7.0	-	+6000	-	IAF	
010	SPL 2Y	IF	SPL	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZD736	-	292° (296.2°T)	4°E	33.0	-	+5000	-	-	
030		TF	EDADI	-	312° (315.7°T)	4°E	15.0	-	+4000	-	IAF	
010	ELGUS 1Y	IF	ELGUS	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	EDADI	-	035° (039.1°T)	4°E	28.6	-	+4000	-	IAF	

IAF on ATC authorization only: For APPROACH TRANSITION from NOBRU see LDZD AD 2.24.12 IAC RNP Z RWY 13

CHANGE: TMAs classification vertical limits; Parachuting zones added; PBN box updated; Notes; Editorial.

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LOS 2Y KUDUL 1Y SPL 2Y ELGUS 1Y RNAV RWY 13

RNAV HOLDING tabular description										
Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
MINTU	HM	135° (139.4°T)	1 MIN / -	R	6000	-	250	4°E	On ATC approval only	RNAV 1
KUDUL	HM	185° (189.4°T)	1 MIN / -	R	9000	-	250	4°E	On ATC approval only	RNAV 1
EDADI	HM	312° (315.7°T)	1 MIN / -	R	4000	-	230	4°E	-	RNAV 1
LUKAV	HM	106° (110.1°T)	1 MIN / -	R	6000	-	210	4°E	-	RNAV 1

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
EDADI	435500.1N	0152257.8E
LOS	443137.55N	0142822.25E
SPL	432947.69N	0161817.00E
ELGUS	433252N	0145800E
LUKAV	442126.3N	0150026.7E
MINTU	442023.9N	0144144.5E
NOBRU	441632.4N	0145328.9E
KUDUL	444011N	0150355E
ZD734	443215.3N	0145759.7E
ZD735	442623.5N	0145338.5E
ZD736	434416.3N	0153727.1E

CHANGE: TMAs classification vertical limits; Parachuting zones added; PBN box updated; Notes; Editorial.

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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

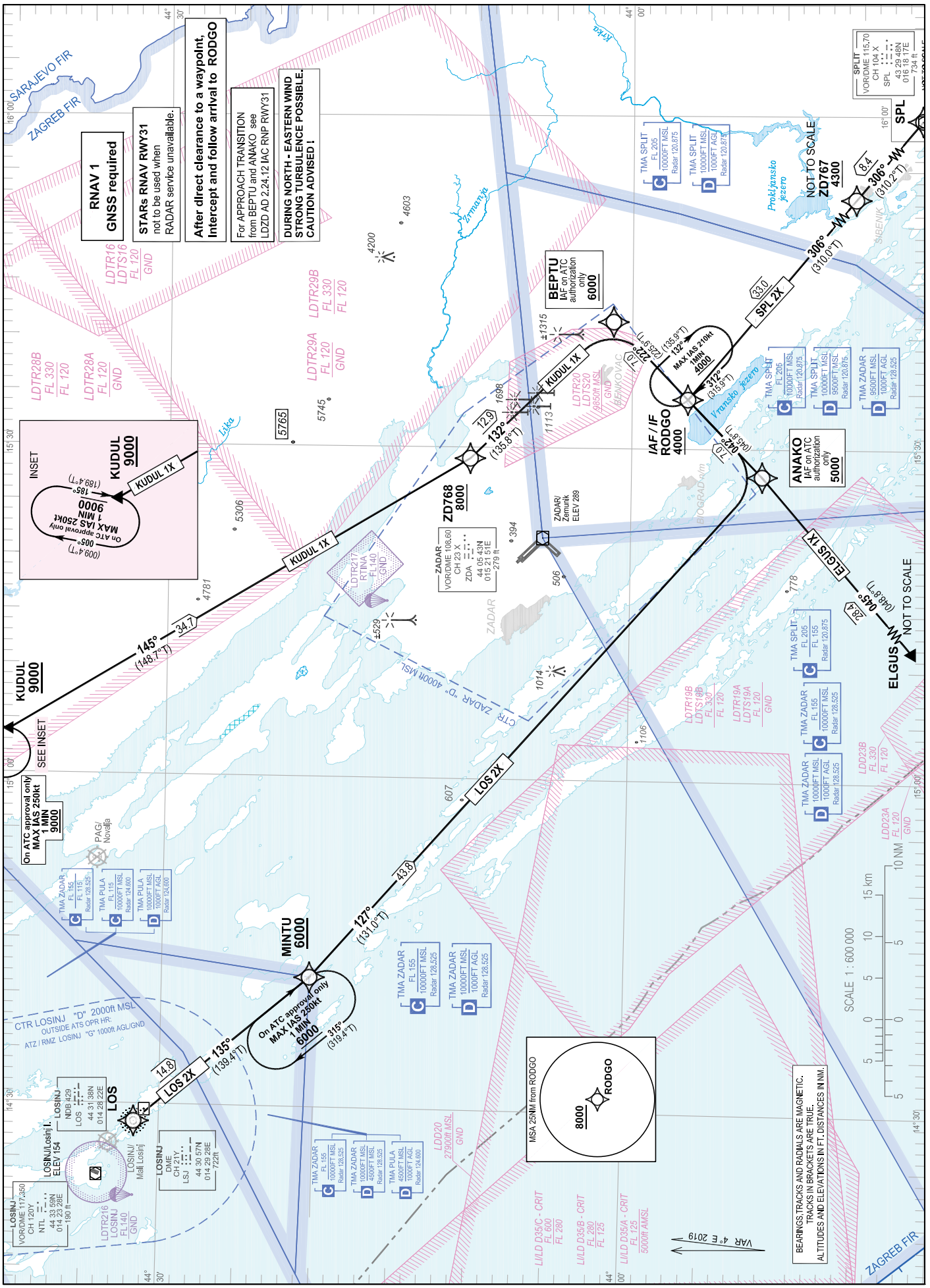
TRANSITION ALTITUDE
10 000

ZADAR RADAR	128.525
ZADAR TOWER	123.700
ZADAR DELIVERY	132.975

ZADAR / Zemunik (LDZD)

LOS 2X KUDUL 1X SPL 2X ELGUS 1X

RNAV RWY 31



CHANGE: TMAs classification vertical limits; Parachuting zones added; PBN box updated; Notes; Editorial.

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RNAV RWY 31 LOS 2X KUDUL 1X SPL 2X ELGUS 1X

LDZD RNAV STANDARD ARRIVAL RWY 31

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	LOS 2X	IF	LOS	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	MINTU	-	135° (139.4°T)	4°E	14.8	-	+6000	-	-	
030		TF	ANAKO	-	127° (131.0°T)	4°E	43.8	-	+5000	-	IAF on ATC authorization only	
040		TF	RODGO	-	042° (045.8°T)	4°E	7.0	-	+4000	-	IAF/IF	
010	KUDUL 1X	IF	KUDUL	-	-	4°E	-	-	+9000	-	-	RNAV 1
020		TF	ZD768	-	145° (148.7°T)	4°E	34.7	-	+8000	-	-	
030		TF	BEPTU	-	132° (135.8°T)	4°E	12.9	-	+6000	-	IAF on ATC authorization only	
040		TF	RODGO	-	222° (225.9°T)	4°E	7.0	-	+4000	-	IAF/IF	
010	SPL 2X	IF	SPL	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZD767	-	306° (310.2°T)	4°E	8.4	-	+4300	-	-	
030		TF	RODGO	-	306° (310.0°T)	4°E	33.0	-	+4000	-	IAF	
010	ELGUS 1X	IF	ELGUS	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ANAKO	-	045° (048.8°T)	4°E	28.4	-	+5000	-	IAF on ATC authorization only	
030		TF	RODGO	-	042° (045.8°T)	4°E	7.0	-	+4000	-	IAF/IF	

IAF on ATC authorization only: For APPROACH TRANSITION from BEPTU and ANAKO see LDZD AD 2.24.12 IAC RNP RWY 31

CHANGE: TMAs classification vertical limits; Parachuting zones added; PBN box updated; Notes; Editorial.

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LOS 2X KUDUL 1X SPL 2X ELGUS 1X RNAV RWY 31

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
MINTU	HM	135° (139.4°T)	1 MIN / -	R	6000	-	250	4°E	On ATC approval only	RNAV 1
KUDUL	HM	185° (189.4°T)	1 MIN / -	R	9000	-	250	4°E	On ATC approval only	RNAV 1
RODGO	HM	312° (315.9°T)	1 MIN / -	R	4000	-	210	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
LOS	443137.55N	0142822.25E
SPL	432947.69N	0161817.00E
ANAKO	435129.8N	0152730.2E
BEPTU	440115.0N	0154124.7E
ELGUS	433252N	0145800E
MINTU	442023.9N	0144144.5E
KUDUL	444011N	0150355E
RODGO	435622.6N	0153426.9E
ZD767	433513.2N	0160925.7E
ZD768	441029.1N	0152858.8E

CHANGE: TMAs classification vertical limits; Parachuting zones added; PBN box updated; Notes; Editorial.

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ATC SURVEILLANCE MINIMUM ALTITUDE CHART - ICAO

TRANSITION ALTITUDE
10 000

AD ELEV 289

ZADAR RADAR 128.525
ZADAR TOWER 123.700
ZADAR DELIVERY 132.975

ZADAR/ Zemunik (LDZD)

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachuting zones added; PULA/Pula and RAB/Rab water aerodromes deleted; Significant point EVINI withdrawn; Editorial.

GENERAL INFORMATION:

1. ATC SURVEILLANCE BASED ON RADAR SYSTEM.
2. BELOW THE RADAR MINIMUM ALTITUDE, IFR FLIGHTS WILL BE NORMALLY CLEARED ON PUBLISHED IFR PROCEDURES ONLY.
3. MINIMUM ALTITUDES ARE REFERRED TO ZADAR QNH AND ARE INDICATED IN FT MSL.
4. THE AREAS DEPICTED AND ASSOCIATED MINIMUM ALTITUDES ARE ESTABLISHED BY APPLYING APPROPRIATE BUFFER AND OBSTACLE CLEARANCE OF AT LEAST 1000 FT, PLUS ADDITIONAL BUFFER OF 500 FT FOR THE LOWER LIMIT OF THE CONTROLLED AIRSPACE IN FIR ZAGREB.
5. ONLY SIGNIFICANT OBSTACLES AND DOMINANT SPOT ELEVATIONS SHOWN.
6. THIS CHART SHOULD ONLY BE USED FOR THE CROSS-CHECKING OF ASSIGNED ALTITUDES WHILST UNDER RADAR CONTROL.

ALTITUDES AND ELEVATIONS IN FT
DISTANCES IN NM

SCALE 1 : 650 000

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LIST OF COORDINATES FOR
MINIMUM VECTORING ALTITUDE SECTORS

	WGS-84 latitude	WGS-84 longitude
SECTOR 1	445403N	0154522E
	along the FIR boundary Zagreb/Sarajevo	
	441003N	0161628E
	440821N	0155450E
	440658N	0155423E
	440839N	0154357E
	441032N	0154206E
	441046N	0153945E
	441327N	0154431E
	441512N	0154545E
	441524N	0154358E
	441857N	0154713E
	444241N	0152957E
	445334N	0152156E
	445403N	0154522E

	WGS-84 latitude	WGS-84 longitude
SECTOR 2	445308N	0150900E
	445314N	0151136E
	445023N	0151320E
	444829N	0151343E
	444320N	0151011E
	443915N	0150547E
	443807N	0150724E
	443644N	0150024E
	443855N	0144908E
	445308N	0150900E

	WGS-84 latitude	WGS-84 longitude
SECTOR 3	445314N	0151136E
	445334N	0152156E
	444241N	0152957E
	443422N	0152442E
	443107N	0151720E
	443807N	0150724E
	443915N	0150547E
	444320N	0151011E
	444829N	0151343E
	445023N	0151320E
	445314N	0151136E

	WGS-84 latitude	WGS-84 longitude
SECTOR 4	443855N	0144908E
	443644N	0150024E
	443807N	0150724E
	443107N	0151720E
	442827N	0151354E
	442600N	0151216E
	443013N	0150438E
	443142N	0145830E
	443438N	0145159E
	443855N	0144908E

	WGS-84 latitude	WGS-84 longitude
SECTOR 5	443438N	0145159E
	443142N	0145830E
	443013N	0150438E
	442600N	0151216E
	442137N	0151329E
	441716N	0152046E
	441615N	0152305E
	441228N	0152844E
	441539N	0152018E
	442231N	0150912E
	442339N	0150758E
	442923N	0145907E
	443127N	0145656E
	443438N	0145159E

	WGS-84 latitude	WGS-84 longitude
SECTOR 6	443855N	0144908E
	443438N	0145159E
	443127N	0145656E
	442923N	0145907E
	442339N	0150758E
	442231N	0150912E
	441539N	0152018E
	441228N	0152844E
	441138N	0153056E
	441046N	0153945E
	441032N	0154206E
	440839N	0154357E
	440658N	0155423E
	440241N	0155301E
	440448N	0155049E
	440617N	0154708E
	440709N	0153951E
	440638N	0153321E
	441214N	0152135E
	441445N	0151322E
	442021N	0150548E
	443508N	0144545E
	443542N	0144440E
	443824N	0144824E
	443855N	0144908E

	WGS-84 latitude	WGS-84 longitude
SECTOR 7	444241N	0152957E
	441857N	0154713E
	441524N	0154358E
	441512N	0154545E
	441327N	0154431E
	441046N	0153945E
	441138N	0153056E
	441228N	0152844E
	441615N	0152305E
	441716N	0152046E
	442137N	0151329E
	442600N	0151216E
	442827N	0151354E
	443107N	0151720E
	443422N	0152442E
	444241N	0152957E

	WGS-84 latitude	WGS-84 longitude
SECTOR 8	443542N	0144440E
	443508N	0144545E
	442021N	0150548E
	441837N	0145357E
	441140N	0144747E
	440728N	0145750E
	440735N	0150505E
	440644N	0150638E
	440650N	0151747E
	440543N	0152151E
	440616N	0152328E
	440114N	0153113E
	435747N	0153754E
	435218N	0154922E
	434902N	0154806E
	434530N	0154643E
	433700N	0153833E
	433902N	0141944E
	440926N	0134535E
	442050N	0141447E
	442024N	0144144E
	443542N	0144440E

	WGS-84 latitude	WGS-84 longitude
SECTOR 9	442021N	0150548E
	441445N	0151322E
	441019N	0151934E
	440837N	0152226E
	440616N	0152328E
	440543N	0152151E
	440650N	0151747E
	440644N	0150638E
	440735N	0150505E
	440728N	0145750E
	441140N	0144747E
	441837N	0145357E
	442021N	0150548E

	WGS-84 latitude	WGS-84 longitude
SECTOR 10	441445N	0151322E
	441214N	0152135E
	440638N	0153321E
	440709N	0153951E
	440617N	0154708E
	440448N	0155049E
	440241N	0155301E
	435846N	0155146E
	435700N	0155113E
	435218N	0154922E
	435747N	0153754E
	440114N	0153113E
	440616N	0152328E
	440837N	0152226E
	441019N	0151934E
	441445N	0151322E

CHANGE: TMAs classification vertical limits; Note for RMZ RIJEKA; Parachuting zones added; PULA/Pula and RAB/Rab water aerodromes deleted; Significant point EVINI withdrawn; Editorial.

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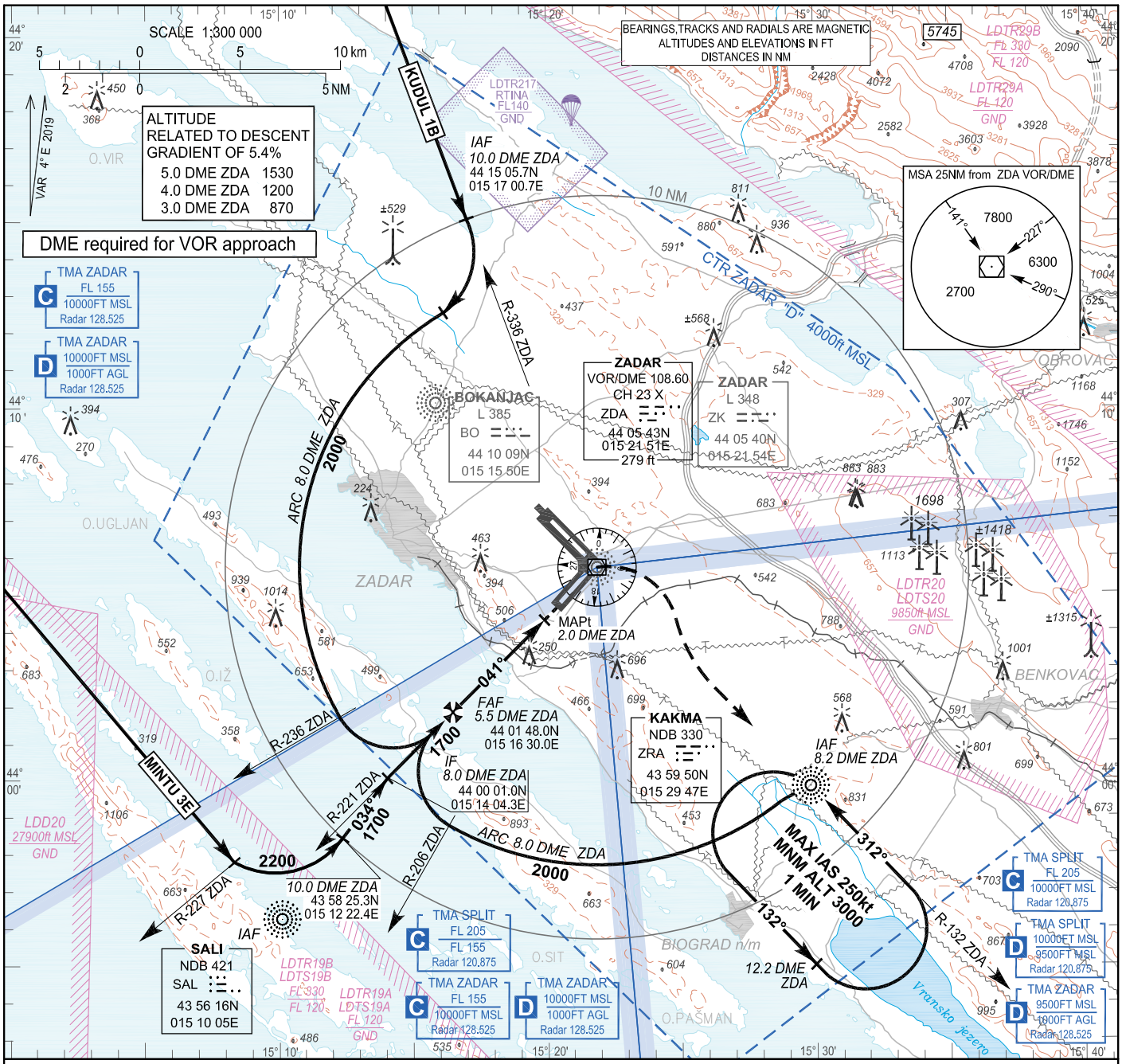
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 289
HEIGHTS RELATED
TO THR 04 ELEV 289

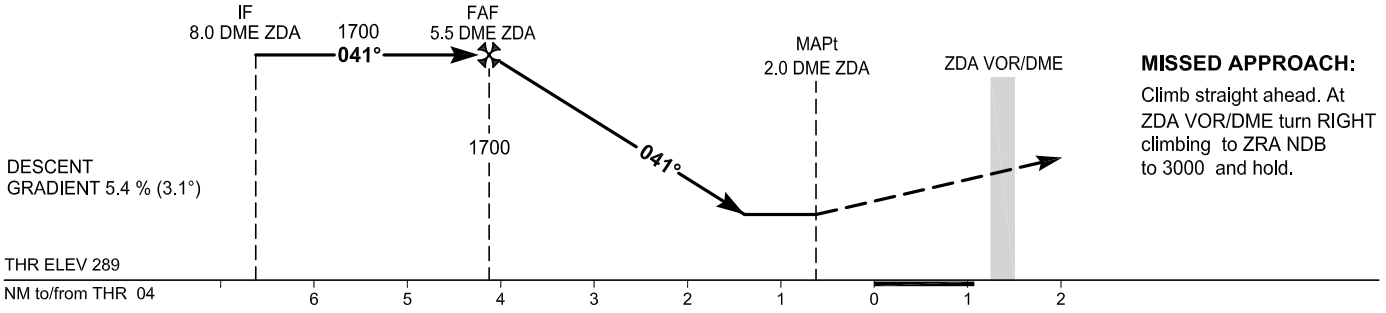
ZADAR RADAR	128.525
ZADAR TOWER	123.700
ZADAR DELIVERY	132.975

ZADAR / Zemunik (LDZD)

VOR RWY 04



TRANSITION ALT 10 000



MISSED APPROACH:
Climb straight ahead. At ZDA VOR/DME turn RIGHT climbing to ZRA NDB to 3000 and hold.

OCA(H)	A	B	C	D
Straight - in Approach	810 (521)			
Circling	1020 (731)		1170 (881)	

TIMING NOT AUTHORIZED FOR DEFINING THE MAPt						
GS(kt)	70	90	100	120	140	160
Rate of descent (ft /min)	380	490	550	660	770	870
MAPt at 2.0 DME ZDA						

CHANGE: TMAs classification vertical limits; Parachuting zone added; HLDG ZRA NDB speed limitation added; Editorial.

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VOR RWY 04

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
VOR RWY 04			
Final approach descent angle: 3.11°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (via KUDUL)	44 15 05.7N 015 17 00.7E	339.64° (from ZDA VOR)	10.00 DME ZDA
IAF (SAL NDB)	43 56 16.30N 015 10 05.20E	-	-
IAF (ZRA NDB)	43 59 49.76N 015 29 47.31E	-	-
IF	44 00 01.0N 015 14 04.3E	ARC 8.00 DME ZDA	224.61° (from ZDA VOR)
FAF	44 01 48.0N 015 16 30.0E	224.61° (from ZDA VOR)	5.50 DME ZDA
MAPt	44 04 17.7N 015 19 54.3E	224.61° (from ZDA VOR)	2.00 DME ZDA
TP (ZDA VOR/DME)	44 05 43.16N 015 21 51.22E	-	-

CHANGE: TMAs classification vertical limits; Parachuting zone added; HLDG ZRA NDB speed limitation added; Editorial.

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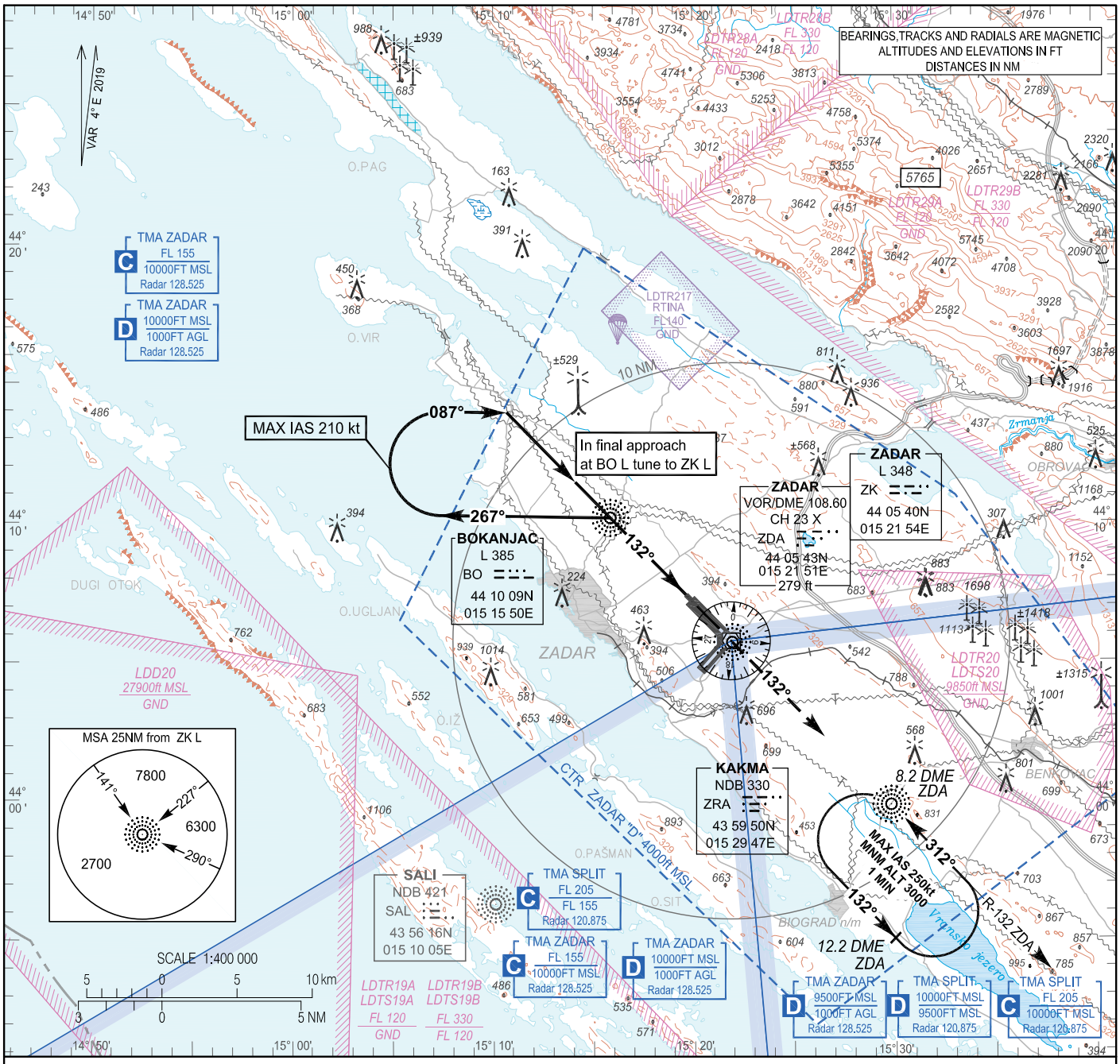
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 289
HEIGHTS RELATED
TO THR 13 ELEV 243

ZADAR RADAR	128.525
ZADAR TOWER	123.700
ZADAR DELIVERY	132.975

ZADAR / Zemunik (LDZD)

L y RWY 13



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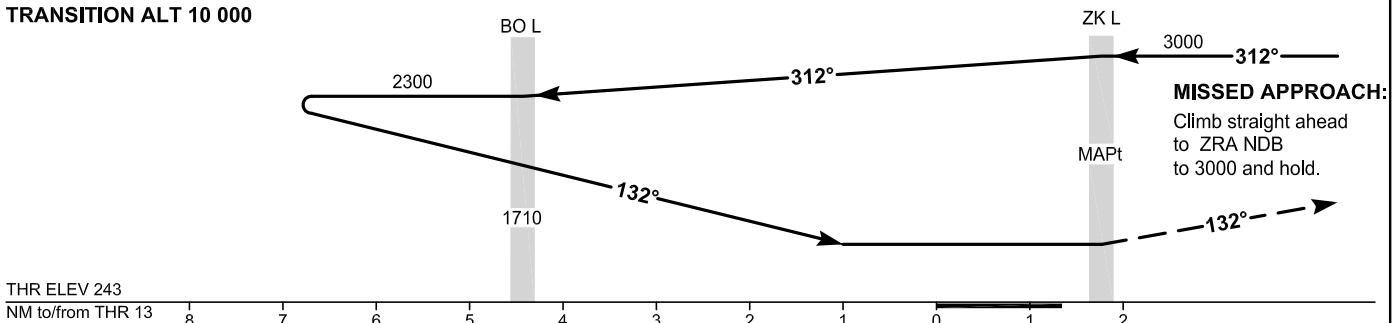

OCA(H)	A	B	C	D
Straight - in Approach	630 (387)			
Circling	1020 (731)		1170 (881)	

BO L - ZK L - 6.3 NM						
TIMING NOT AUTHORIZED FOR DEFINING THE MAPt						
GS(kt)	70	90	100	120	140	160
min : sec	5:22	4:10	3:45	3:08	2:41	2:21
Rate of descent (ft /min)	370	470	530	640	740	850
MAPt at ZK L						

CHANGE: TMAs classification vertical limits; Parachuting zone added; HLDG ZRA NDB speed limitation added; Editorial.

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L y RWY 13

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
L y RWY 13			
Final approach descent angle: -			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (ZRA NDB)	43 59 49.76N 015 29 47.31E	-	-
SDF (BO L)	44 10 09.29N 015 15 50.41E	-	-
MAPt (ZK L)	44 05 40.45N 015 21 54.26E	-	-

CHANGE: TMAs classification vertical limits; Parachuting zone added; HLDG ZRA NDB speed limitation added; Editorial.

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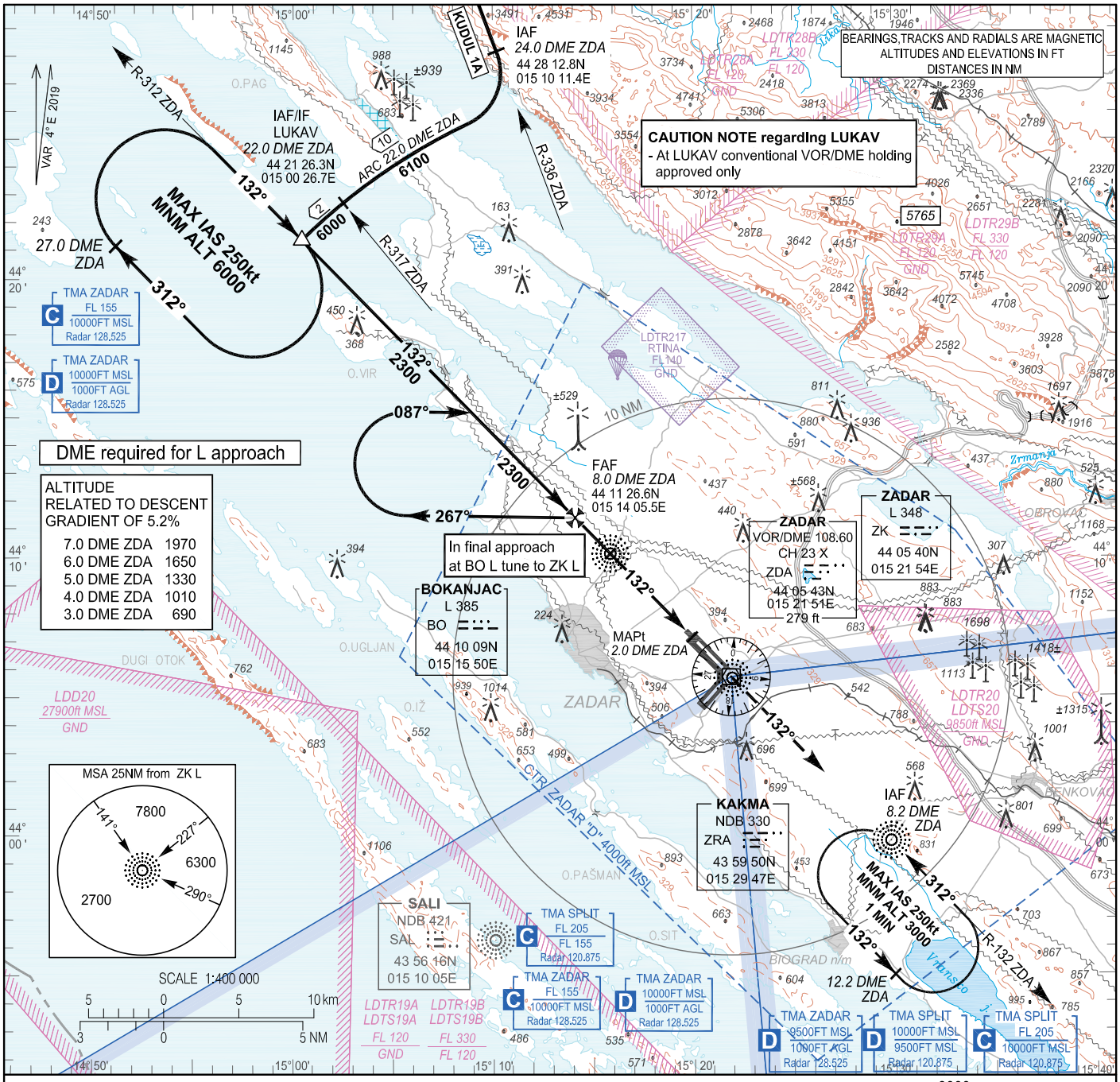
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 289
HEIGHTS RELATED
TO THR 13 ELEV 243

ZADAR RADAR	128.525
ZADAR TOWER	123.700
ZADAR DELIVERY	132.975

ZADAR / Zemunik (LDZD)

L z RWY 13



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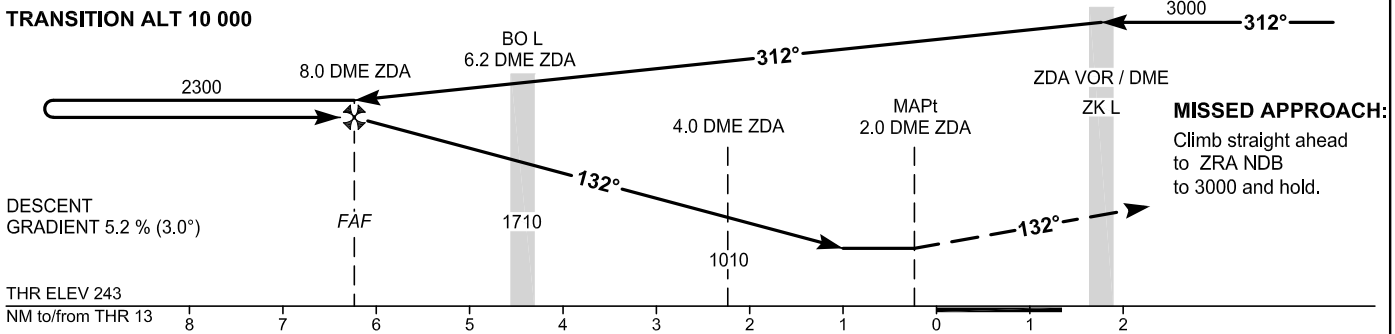

OCA(H)	A	B	C	D
Straight - in Approach	630 (387)			
Circling	1020 (731)		1170 (881)	

BO L - MAPt - 4.2 NM						
TIMING NOT AUTHORIZED FOR DEFINING THE MAPt						
GS(kt)	70	90	100	120	140	160
min : sec	3:36	2:48	2:31	2:06	1:48	1:35
Rate of descent (ft /min)	370	470	530	640	740	850
MAPt at 2.0 DME ZDA						

CHANGE: TMAs classification vertical limits; Parachuting zone added; HLDG ZRA NDB speed limitation added; Editorial.

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L z RWY 13

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
L z RWY 13			
Final approach descent angle: 3.03°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (VIA KUDUL)	44 28 12.8N 015 10 11.4E	339.64° (from ZDA VOR)	24.00 DME ZDA
IAF / IF (LUKAV)	44 21 26.3N 015 00 26.7E	315.72° (from ZDA VOR)	22.00 DME ZDA
IAF (ZRA NDB)	43 59 49.76N 015 29 47.31E	-	-
IAF - by ATC only (ZDA VOR/DME)	44 05 43.16N 015 21 51.22E	-	-
FAF	44 11 26.6N 015 14 05.5E	135.68° (BO L)	8.00 DME ZDA
SDF (BO L)	44 10 09.29N 015 15 50.41E	-	-
SDF	44 08 34.9N 015 17 58.3E	135.70° (ZK L)	4.00 DME ZDA
MAPt	44 07 08.9N 015 19 54.6E	135.70° (ZK L)	2.00 DME ZDA

CHANGE: TMAs classification vertical limits; Parachuting zone added; HLDG ZRA NDB speed limitation added; Editorial.

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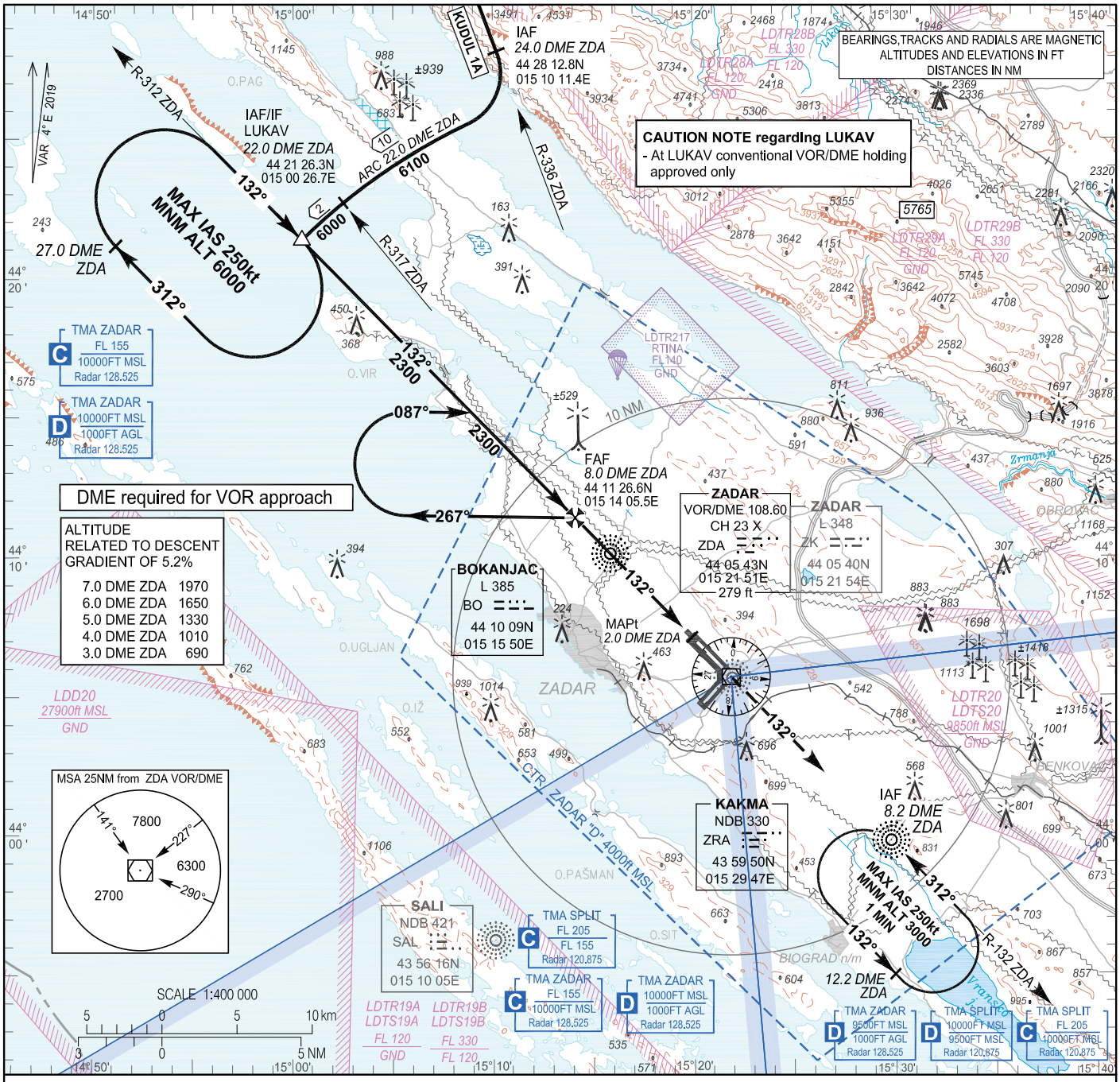
INSTRUMENT APPROACH CHART-ICAO

AD ELEV 289
HEIGHTS RELATED TO THR 13 ELEV 243

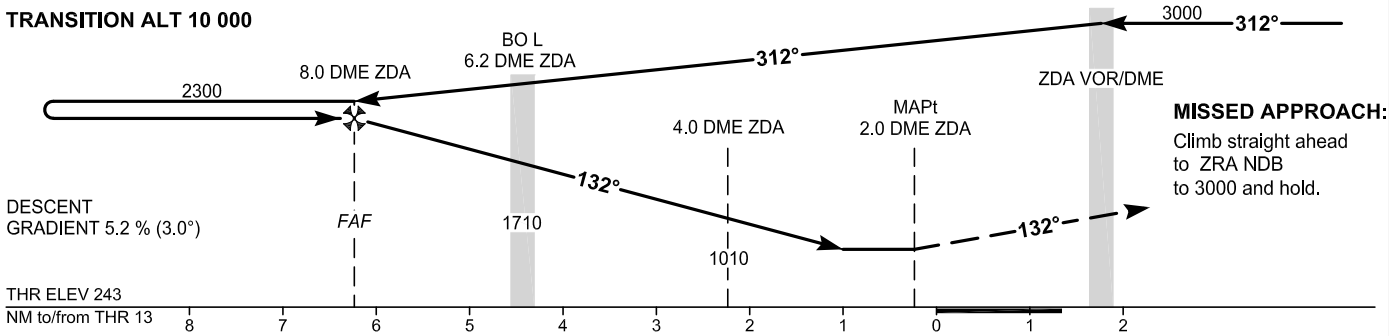
ZADAR RADAR	128.525
ZADAR TOWER	123.700
ZADAR DELIVERY	132.975

ZADAR / Zemunik (LDZD)

VOR RWY 13



TRANSITION ALT 10 000



MISSED APPROACH:
Climb straight ahead to ZRA NDB to 3000 and hold.

OCA(H)	A	B	C	D
Straight - in Approach	630 (387)			
Circling	1020 (731)		1170 (881)	

BO L - MAPt - 4.2 NM						
TIMING NOT AUTHORIZED FOR DEFINING THE MAPt						
GS(kt)	70	90	100	120	140	160
min : sec	3:36	2:48	2:31	2:06	1:48	1:35
Rate of descent (ft /min)	370	470	530	640	740	850
MAPt at 2.0 DME ZDA						

CHANGE: TMAs classification vertical limits; Parachuting zone added; HLDG ZRA NDB speed limitation added; Editorial.

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VOR RWY 13

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
VOR RWY 13			
Final approach descent angle: 3.03°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (VIA KUDUL)	44 28 12.8N 015 10 11.4E	339.64° (from ZDA VOR)	24.00 DME ZDA
IAF / IF (LUKAV)	44 21 26.3N 015 00 26.7E	315.72° (from ZDA VOR)	22.00 DME ZDA
IAF (ZRA NDB)	43 59 49.76N 015 29 47.31E	-	-
IAF - *by ATC only* (ZDA VOR/DME)	44 05 43.16N 015 21 51.22E	-	-
FAF	44 11 26.6N 015 14 05.5E	315.72° (from ZDA VOR)	8.00 DME ZDA
SDF (BO L)	44 10 09.29N 015 15 50.41E	315.72° (from ZDA VOR)	6.20 DME ZDA
SDF	44 08 35.0N 015 17 58.4E	315.72° (from ZDA VOR)	4.00 DME ZDA
MAPt	44 07 09.1N 015 19 54.8E	315.72° (from ZDA VOR)	2.00 DME ZDA

CHANGE: TMAs classification vertical limits; Parachuting zone added; HLDG ZRA NDB speed limitation added; Editorial.

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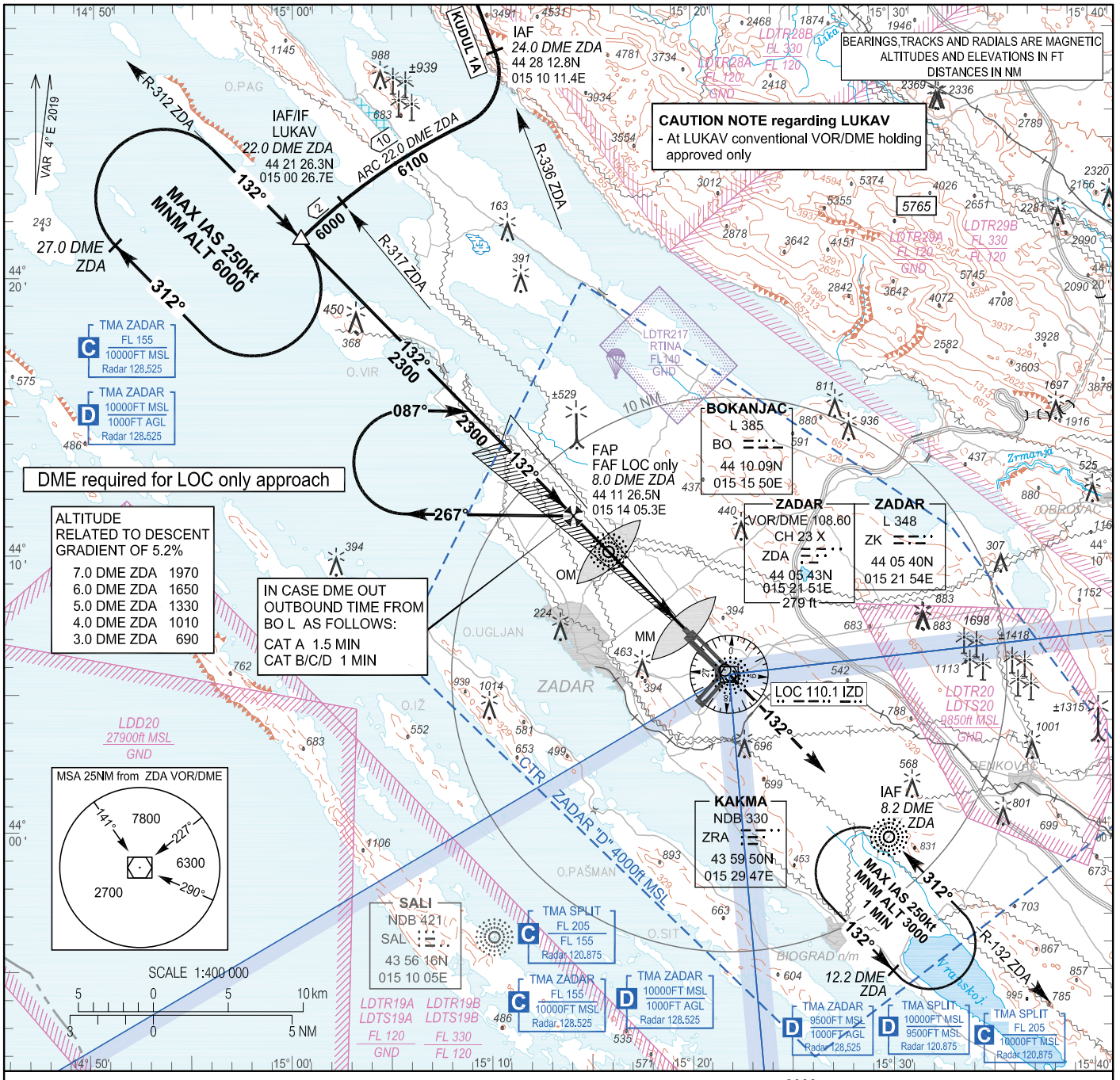
INSTRUMENT APPROACH CHART-ICAO

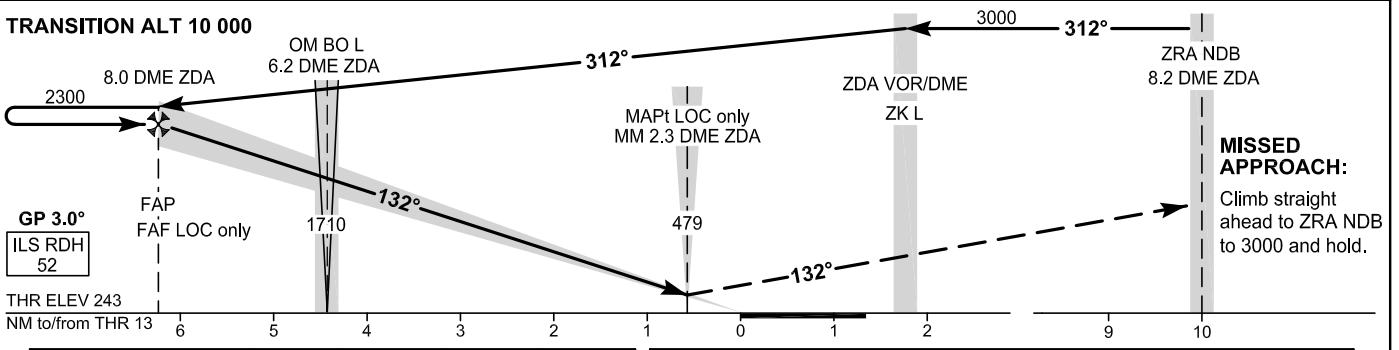
AD ELEV 289
HEIGHTS RELATED TO THR 13 ELEV 243

ZADAR RADAR	128.525
ZADAR TOWER	123.700
ZADAR DELIVERY	132.975

ZADAR / Zemunik (LDZD)

ILS or LOC RWY 13





OCA(H)		A	B	C	D
Straight-in Approach	ILS CAT I press. altim.	427(184)	437(194)	447(204)	457(214)
	LOC only	560(317)			
CIRCLING		1020(731)		1170(881)	

GS(kt)	70	90	100	120	140	160
Rate of descent (ft / min)	370	470	530	640	740	850

CHANGE: TMAs classification vertical limits; Parachuting zone added; HLDG ZRA NDB speed limitation added; Editorial.

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ILS or LOC RWY 13

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
ILS or LOC RWY 13			
LOC only - final approach descent angle: 3.03°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (VIA KUDUL)	44 28 12.8N 015 10 11.4E	339.64° (from ZDA VOR)	24.00 DME ZDA
IAF / IF (LUKAV)	44 21 26.3N 015 00 26.7E	315.72° (from ZDA VOR)	22.00 DME ZDA
IAF (ZRA NDB)	43 59 49.76N 015 29 47.31E	-	-
IAF - *by ATC only* (ZDA VOR/DME)	44 05 43.16N 015 21 51.22E	-	-
FAP / FAF LOC only	44 11 26.5N 015 14 05.3E	135.69° (IZD LOC)	8.00 DME ZDA
SDF LOC only (OM)	44 10 09.07N 015 15 50.69E	135.69° (IZD LOC)	6.19 DME ZDA
MAPt LOC only (MM)	44 07 23.53N 015 19 35.24E	135.69° (IZD LOC)	2.34 DME ZDA

CHANGE: TMAs classification vertical limits; Parachuting zone added; HLDG ZRA NDB speed limitation added; Editorial.

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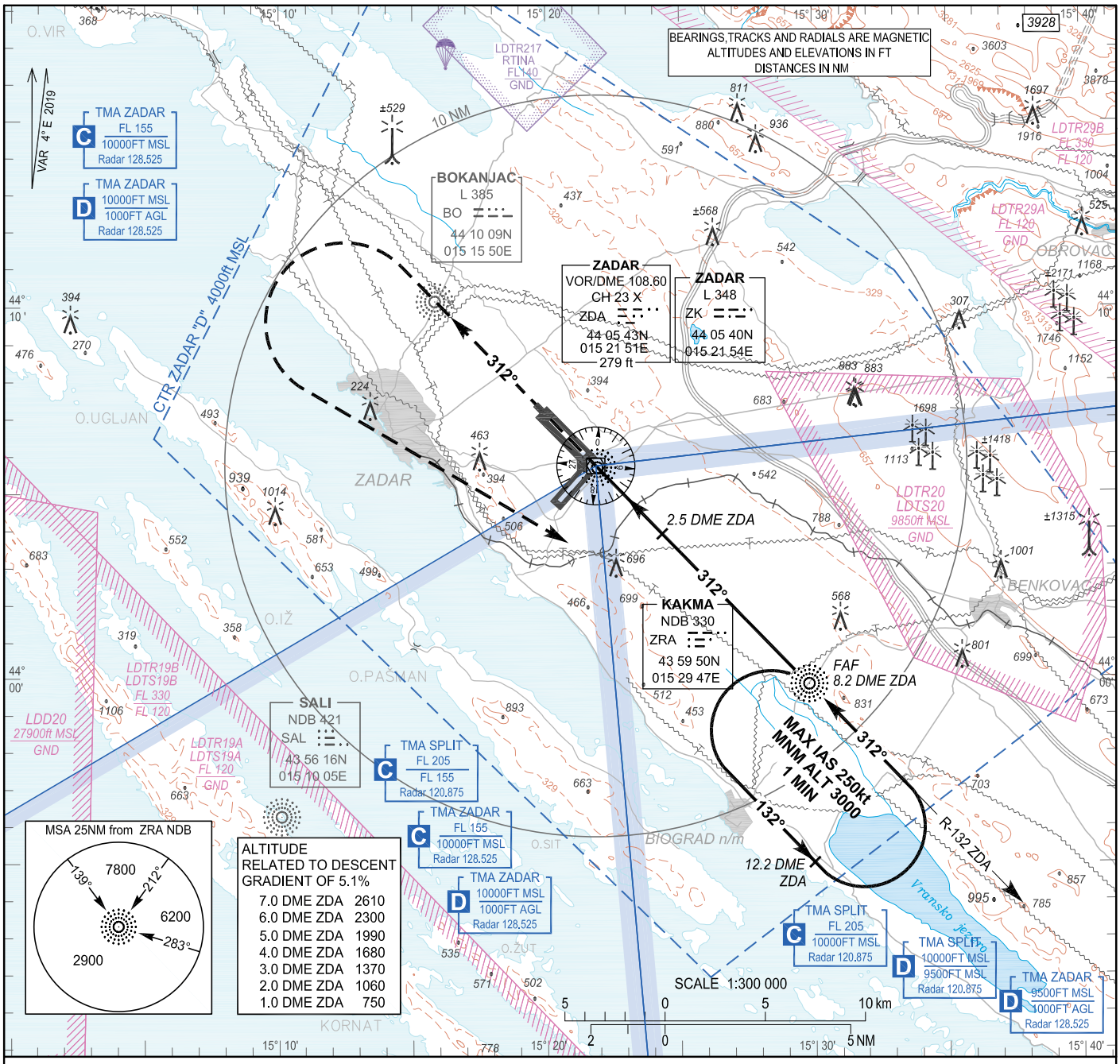
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 289
HEIGHTS RELATED
TO THR 31 ELEV 258

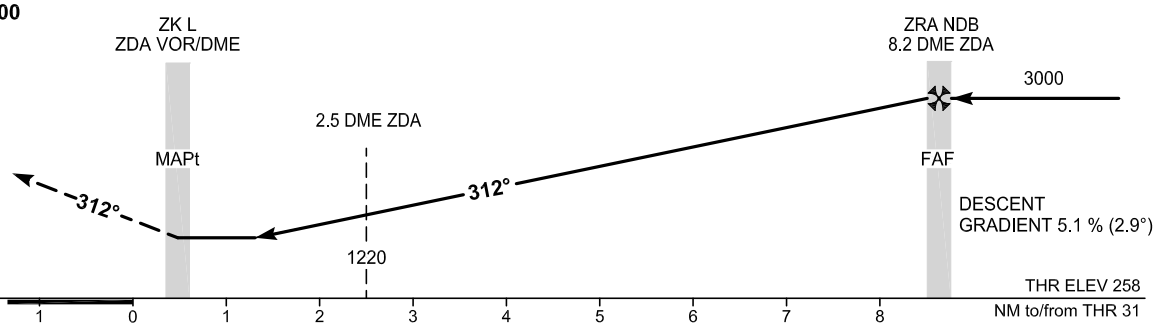
ZADAR RADAR	128.525
ZADAR TOWER	123.700
ZADAR DELIVERY	132.975

ZADAR / Zemunik (LDZD)

L RWY 31



TRANSITION ALT 10 000



MISSED APPROACH:
Climb straight ahead.
At 2500 turn LEFT
inbound ZRA NDB
climbing to 3000 and hold.

OCA(H)	A	B	C	D
Straight - in Approach	640(382)			
	WO DME 950 (692)			
Circling	1020 (731)		1170 (881)	

ZRA NDB - ZK L DISTANCE - 8.2 NM						
TIMING NOT AUTHORIZED FOR DEFINING THE MAPt						
GS(kt)	70	90	100	120	140	160
min : sec	7:02	5:28	4:55	4:06	3:31	3:05
Rate of descent (ft /min)	370	470	520	620	730	830
MAPt at ZK L						

CHANGE: TMAs classification vertical limits; Parachuting zone added; HLDG ZRA NDB speed limitation added; Editorial.

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L RWY 31

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
L RWY 31			
Final approach descent angle:	2.94°		
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (ZRA NDB)	43 59 49.76N 015 29 47.31E	-	-
FAF (ZRA NDB)	43 59 49.76N 015 29 47.31E	-	-
SDF	44 03 55.5N 015 24 16.1E	315.83° (ZK L)	2.50 DME ZDA
MAPt (ZK L)	44 05 40.45N 015 21 54.26E	-	-

CHANGE: TMAs classification vertical limits; Parachuting zone added; HLDG ZRA NDB speed limitation added; Editorial.

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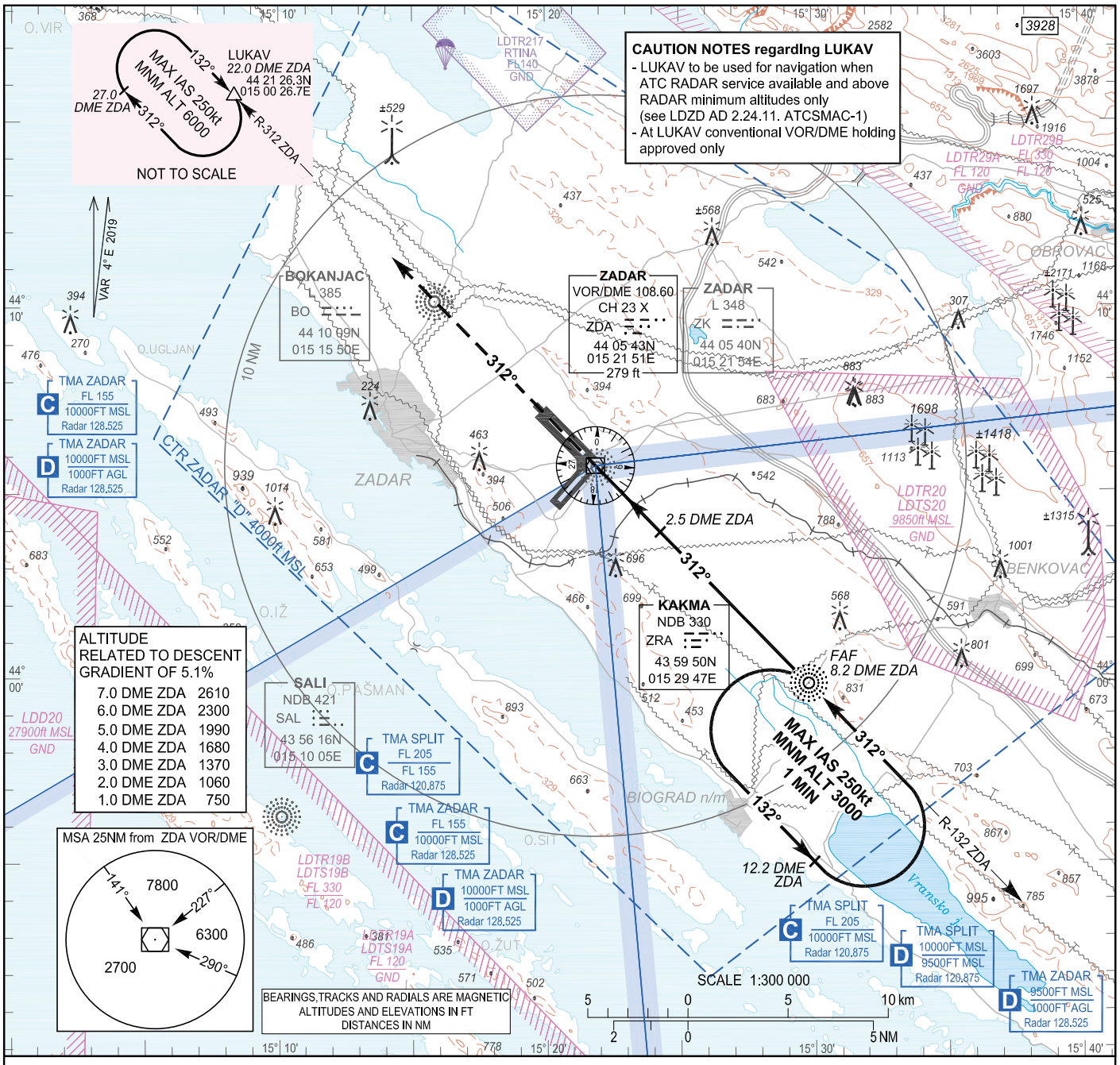
INSTRUMENT APPROACH CHART-ICAO

AD ELEV 289
HEIGHTS RELATED TO THR 31 ELEV 258

ZADAR RADAR	128.525
ZADAR TOWER	123.700
ZADAR DELIVERY	132.975

ZADAR / Zemunik (LDZD)

VOR RWY 31



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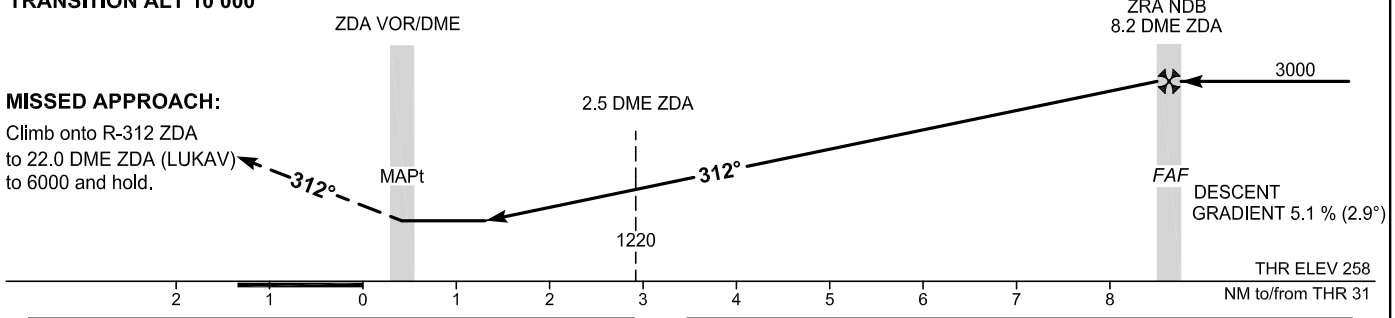

MISSED APPROACH:
Climb onto R-312 ZDA
to 22.0 DME ZDA (LUKAV)
to 6000 and hold.

OCA(H)	A	B	C	D
Straight - in Approach	640 (382)			
	WO DME 950 (692)			
Circling	1020 (731)		1170 (881)	

TIMING NOT AUTHORIZED FOR DEFINING THE MAPt						
GS(kt)	70	90	100	120	140	160
Rate of descent (ft /min)	370	470	520	620	730	830
MAPt at ZDA VOR/DME						

CHANGE: TMAs classification vertical limits; Parachuting zone added; HLDG ZRA NDB speed limitation added; Editorial.

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VOR RWY 31

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
VOR RWY 31			
Final approach descent angle: 2.94°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (ZRA NDB)	43 59 49.76N 015 29 47.31E	-	-
FAF (ZRA NDB)	43 59 49.76N 015 29 47.31E	315.87° (ZDA VOR)	8.21 DME ZDA
SDF	44 03 55.6N 015 24 16.3E	315.86° (ZDA VOR)	2.50 DME ZDA
MAPt (ZDA VOR/DME)	44 05 43.16N 015 21 51.22E	-	-

CHANGE: TMAs classification vertical limits; Parachuting zone added; HLDG ZRA NDB speed limitation added; Editorial.

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INSTRUMENT APPROACH CHART-ICAO

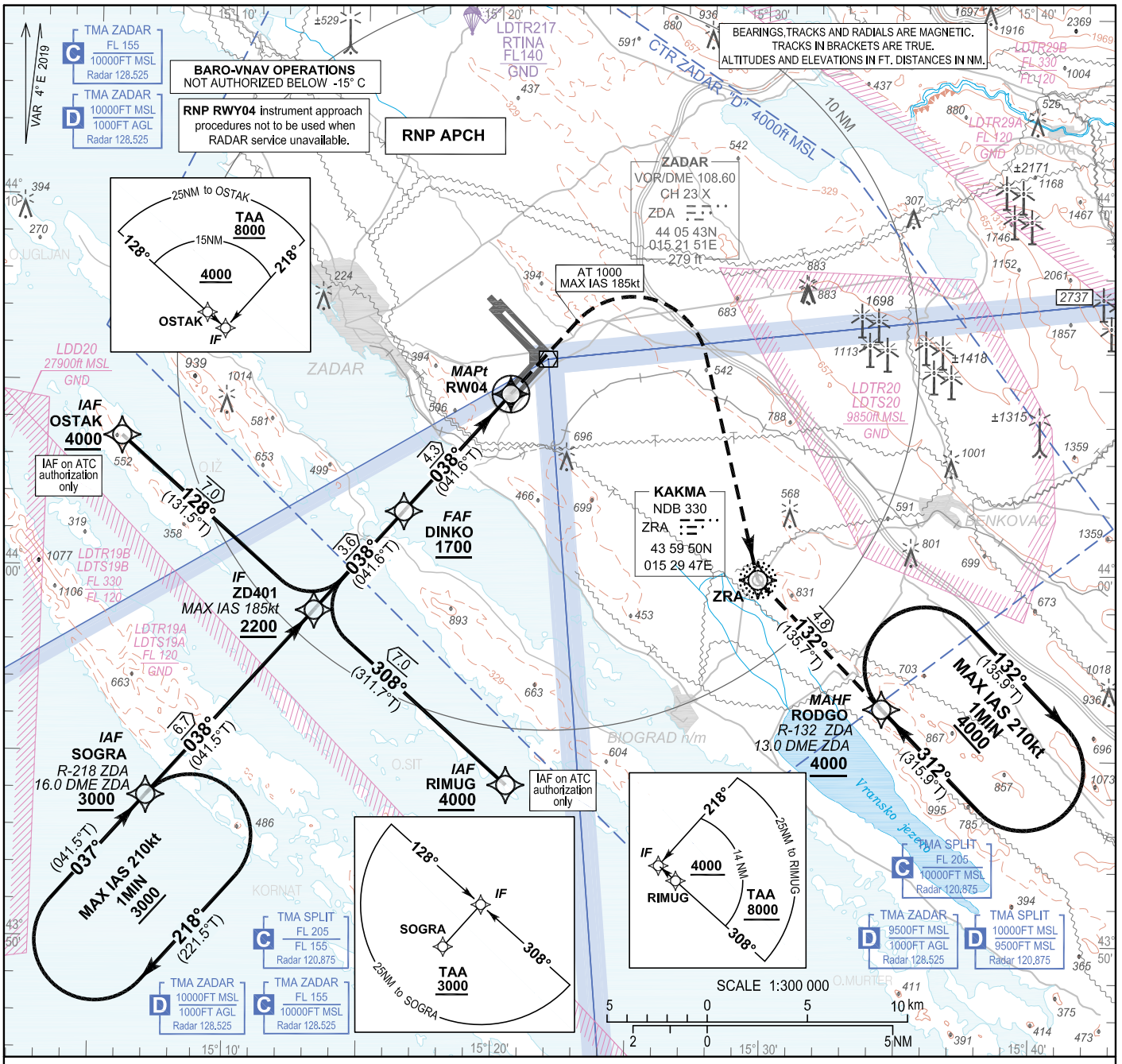
AD ELEV 289
HEIGHTS RELATED TO THR 04 ELEV 289

SBAS
CH: 52290
E04A

ZADAR RADAR	128.525
ZADAR TOWER	123.700
ZADAR DELIVERY	132.975

ZADAR / Zemunik (LDZD)

RNP RWY 04



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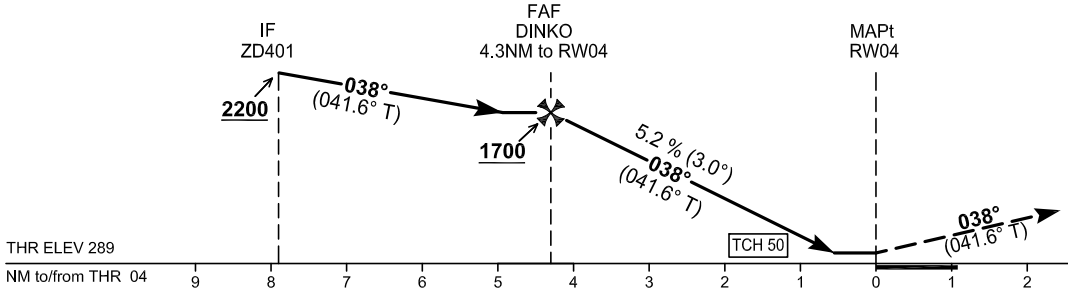

MISSED APPROACH:
RNAV
RW04 - [M038; A1000; R;]
→ZRA [L; -K185] - RODGO [A4000]
NON RNAV
Climb straight ahead on course 038°.
At 1000ft turn RIGHT to ZRA NDB.
MAX IAS185kt during turn.
From ZRA NDB proceed climbing on QDR 132° ZRA to RODGO at 4000 and hold.

OCA(H)		A	B	C	D
Straight-in approach	LNAV	660 (371)			
	LNAV/VNAV	550 (261)	560 (271)	570 (281)	580 (291)
	LPV	540 (251)		550 (261)	560 (271)
CIRCLING		1020 (731)		1170 (881)	

DIST THR / RW04	NM	4	3	2	1
Altitude	ft	1610	1290	980	660

Timing not authorized for defining the MAPt							
GS	kt	80	100	120	140	160	180
DINKO - RW04 (4.3NM)	min:sec	3:14	2:35	2:09	1:51	1:37	1:26
Rate of descent (5.2%)	ft/min	425	531	637	743	849	955

CHANGE: TMAs classification vertical limits; Parachuting zone added; Editorial.

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RNP RWY 04

Coding elements for FAS Data Block

Input data

Operation Type	0
SBAS Provider	1
Airport Identifier	LDZD
Runway	04
Runway Direction	0
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E04A
LTP/FTP Latitude	440445.8130N
LTP/FTP Longitude	0152028.1870E
LTP/FTP Ellipsoidal Height (metres)	130.5
FPAP Latitude	440534.1085N
Delta FPAP Latitude (seconds)	48.2955
FPAP Longitude	0152127.7285E
Delta FPAP Longitude (seconds)	59.5415
Threshold Crossing Height	50.0
TCH Units Selector	0
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 04 1A 04 0C 04 00 00 01 34 30 05 EA B4 EA 12 36 6E 95 06 19 19 4F 79 01 2B D1 01 F4 01 2C 01 64 00 C8 FA 79 74 59 BA
Calculated CRC Value	797459BA

Required Additional Data

ICAO Code	LD
LTP/FTP Orthometric Height (metres)	88.0
FPAP Orthometric Height (metres)	82.9

CHANGE: TMAs classification vertical limits; Parachuting zone added; Editorial.

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RNP RWY 04

LDZD RNP RWY 04

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	RIMUG	-	-	4°E	-	-	+4000	-	-	IAF on ATC authorization only	RNP APCH
020	IF	TF	ZD401	-	308° (311.7° T)	4°E	7.0	-	+2200	-185	-	-	
010	IAF	IF	SOGRA	-	-	4°E	-	-	+3000	-	-		RNP APCH
020	IF	TF	ZD401	-	038° (041.5° T)	4°E	6.7	-	+2200	-185	-	-	
010	IAF	IF	OSTAK	-	-	4°E	-	-	+4000	-	-	IAF on ATC authorization only	RNP APCH
020	IF	TF	ZD401	-	128° (131.5° T)	4°E	7.0	-	+2200	-185	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	ZD401	-	-	4°E	-	-	+2200	-185	-	-	RNP APCH
020	FAF	TF	DINKO	-	038° (041.6°T)	4°E	3.6	-	+1700	-	-	-	
030	MAPt	CF	RW04	Y	038° (041.6°T)	4°E	4.3	-	-	-	3.0 / 50.0	-	
040	-	CA	-	-	038° (041.6°T)	4°E	-	-	1000	-	-	RIGHT turn at ALT 1000	
050	-	DF	ZRA	-	-	4°E	-	R	-	-185	-	-	
060	MAHF	TF	RODGO	-	132° (135.7°T)	4°E	4.8	-	4000	-	-	-	
070	MAHF	HM	RODGO	-	312° (315.9°T)	4°E	1 MIN	R	4000	-210	-	Holding above 4000 on ATC clearance only	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path Term-inator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
SOGRA	HM	037° (041.5°T)	1MIN / -	R	3000	-	210	4°E	-	RNAV 1
RODGO	HM	312° (315.9°T)	1MIN / -	R	4000	-	210	4°E	-	

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
ZRA	435949.76N	0152947.31E
DINKO	440133.9N	0151632.0E
OSTAK	440331.0N	0150557.8E
RIMUG	435413.2N	0152027.8E
RODGO	435622.6N	0153426.9E
SOGRA	435350.2N	0150702.6E
RW04	440445.81N	0152028.19E
ZD401	435852.3N	0151313.4E

CHANGE: TMAs classification vertical limits; Parachuting zone added; Editorial.

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INSTRUMENT APPROACH
CHART-ICAO

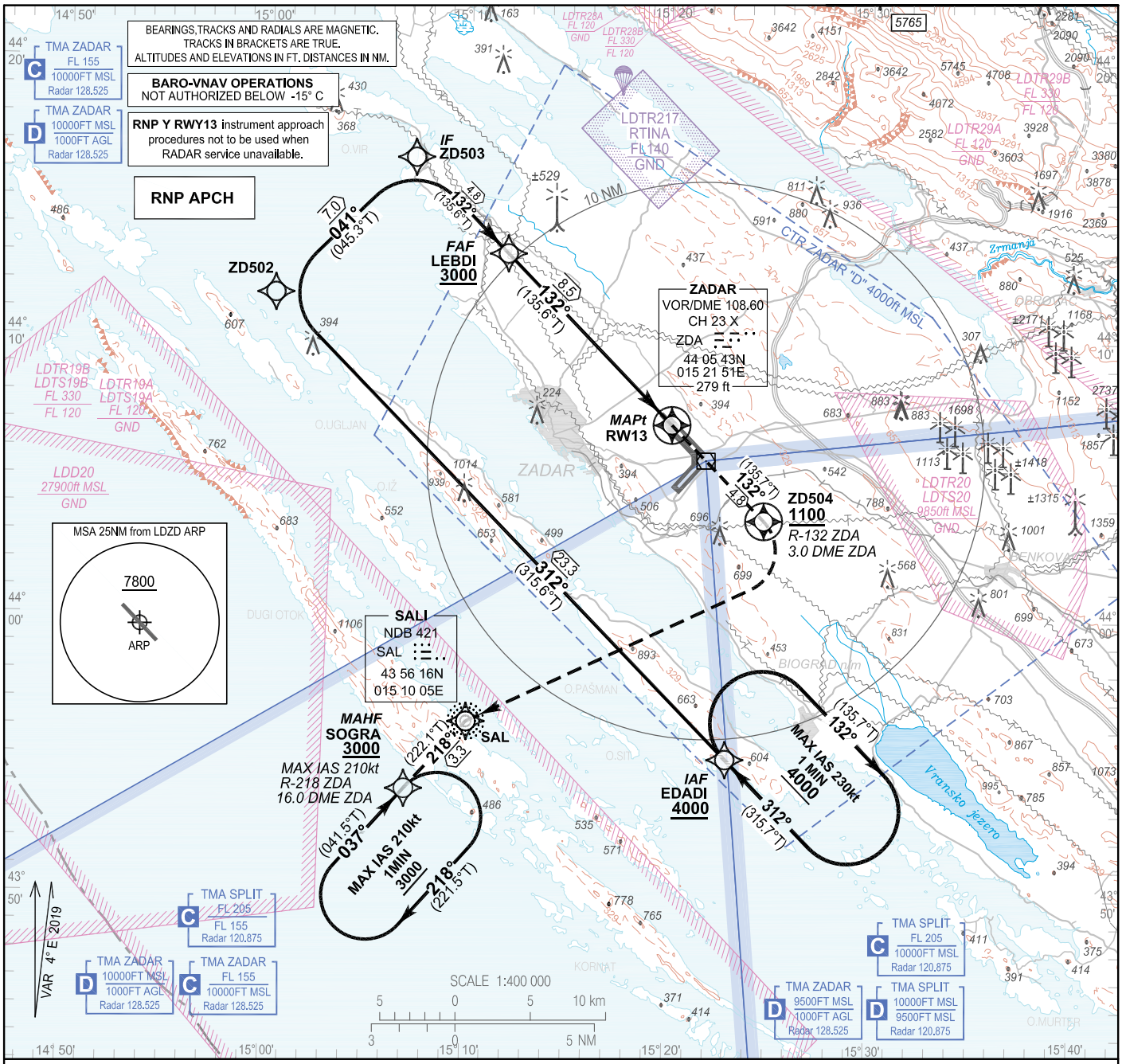
AD ELEV 289
HEIGHTS RELATED
TO THR 13 ELEV 243

SBAS
CH: 63362
E13B

ZADAR RADAR 128.525
ZADAR TOWER 123.700
ZADAR DELIVERY 132.975

ZADAR / Zemunik (LDZD)

RNP Y RWY 13



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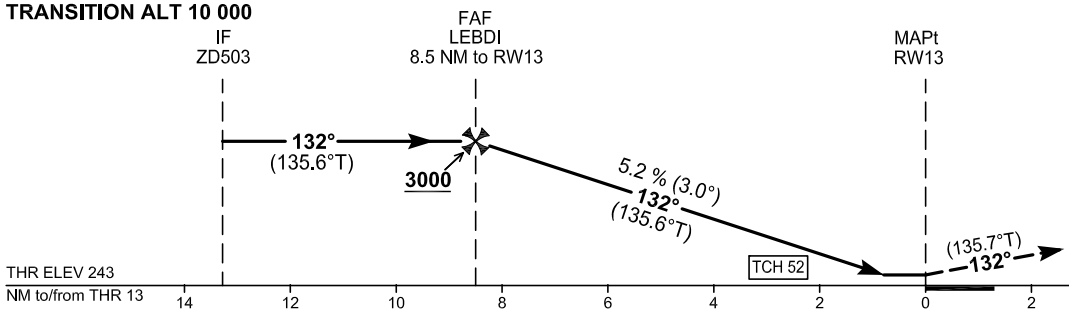

MISSED APPROACH:
RNAV
RW13 - ZD504 [M132; A1100+; R]
→SAL [L] - SOGRA [A3000; -K210]

NON RNAV
Climb straight ahead on course 132° to intercept and follow R-132 ZDA . At 3.0 DME ZDA (ZD504) turn RIGHT to SAL NDB. From SAL NDB proceed climbing on QDR 218° SAL to SOGRA (16.0 DME ZDA) at 3000 and hold. MAX IAS 210kt.

OCA(H)		A	B	C	D
Straight-in approach	LNAV	600 (357)			
	LNAV/VNAV	500 (257)			520 (277)
	LPV	500 (257)			
CIRCLING		1020 (731)		1170 (881)	

DIST THR / RW13	NM	8	7	6	5	4	3	2	1
Altitude	ft	2840	2520	2200	1880	1570	1250	930	610

Timing not authorized for defining the MAPt							
GS	kt	80	100	120	140	160	180
LEBDI - RW13 (8.5NM)	min:sec	6:23	5:06	4:15	3:39	3:11	2:50
Rate of descent (5.2%)	ft/min	425	531	637	743	849	955

CHANGE: TMAs classification vertical limits; Parachuting zones added; Editorial.

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RNP Y RWY 13

Coding elements for FAS Data Block

Input data	
Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDZD
Runway	13
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	Y
Reference Path Data Selector	0
Reference Path Identifier	E13B
LTP/FTP Latitude	440658.9785N
LTP/FTP Longitude	0152008.4970E
LTP/FTP Ellipsoidal Height (metres)	116.5
FPAP Latitude	440559.8450N
Delta FPAP Latitude (seconds)	-59.1335
FPAP Longitude	0152128.6020E
Delta FPAP Longitude (seconds)	80.1050
Threshold Crossing Height	52.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	56
HAL (metres)	40.0
VAL (metres)	50.0

Output data	
Data Block	10 04 1A 04 0C 0D C8 00 02 33 31 05 45 C5 EE 12 62 D4 94 06 8D 18 05 32 FE D2 71 02 08 02 2C 01 64 07 C8 FA 88 B0 ED 78
Calculated CRC Value	88B0ED78

Required Additional Data	
ICAO Code	LD
LTP/FTP Orthometric Height (metres)	74.0

CHANGE: TMAs classification vertical limits; Parachuting zones added; Editorial.

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LDZD RNP Y RWY 13

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	EDADI	-	-	4°E	-	-	+4000	-	-	-	RNP APCH
020	-	TF	ZD502	-	312° (315.6° T)	4°E	23.3	-	-	-	-	-	
030	IF	TF	ZD503	-	041° (045.3° T)	4°E	7.0	-	-	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	ZD503	-	-	4°E	-	-	-	-	-	-	RNP APCH
020	FAF	TF	LEBDI	-	132° (135.6°T)	4°E	4.8	-	+3000	-	-	-	
030	MAPt	TF	RW13	Y	132° (135.6°T)	4°E	8.5	-	-	-	3.0 / 52.0	-	
040	-	CF	ZD504	Y	132° (135.7°T)	4°E	4.8	-	+1100	-	-	-	
050	-	DF	SAL	-	-	4°E	-	R	-	-	-	-	
060	MAHF	TF	SOGRA	-	218° (222.1°T)	4°E	3.3	-	3000	-210	-	-	
070	MAHF	HM	SOGRA	-	037° (041.5°T)	4°E	1 MIN	R	3000	-210	-	Holding above 3000 FT on ATC clearance only	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
EDADI	HM	312° (315.7°T)	1 MIN / -	R	4000	-	230	4°E	-	RNAV 1
SOGRA	HM	037° (041.5)	1 MIN / -	R	3000	-	210	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
SAL	435616.30N	0151005.20E
EDADI	435500.1N	0152257.8E
LEBDI	441303.8N	0151152.9E
SOGRA	435350.2N	0150702.6E
RW13	440658.98N	0152008.50E
ZD502	441134.6N	0150019.4E
ZD503	441628.8N	0150713.5E
ZD504	440334.2N	0152445.6E

CHANGE: TMAs classification vertical limits; Parachuting zones added; Editorial.

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INSTRUMENT APPROACH
CHART-ICAO

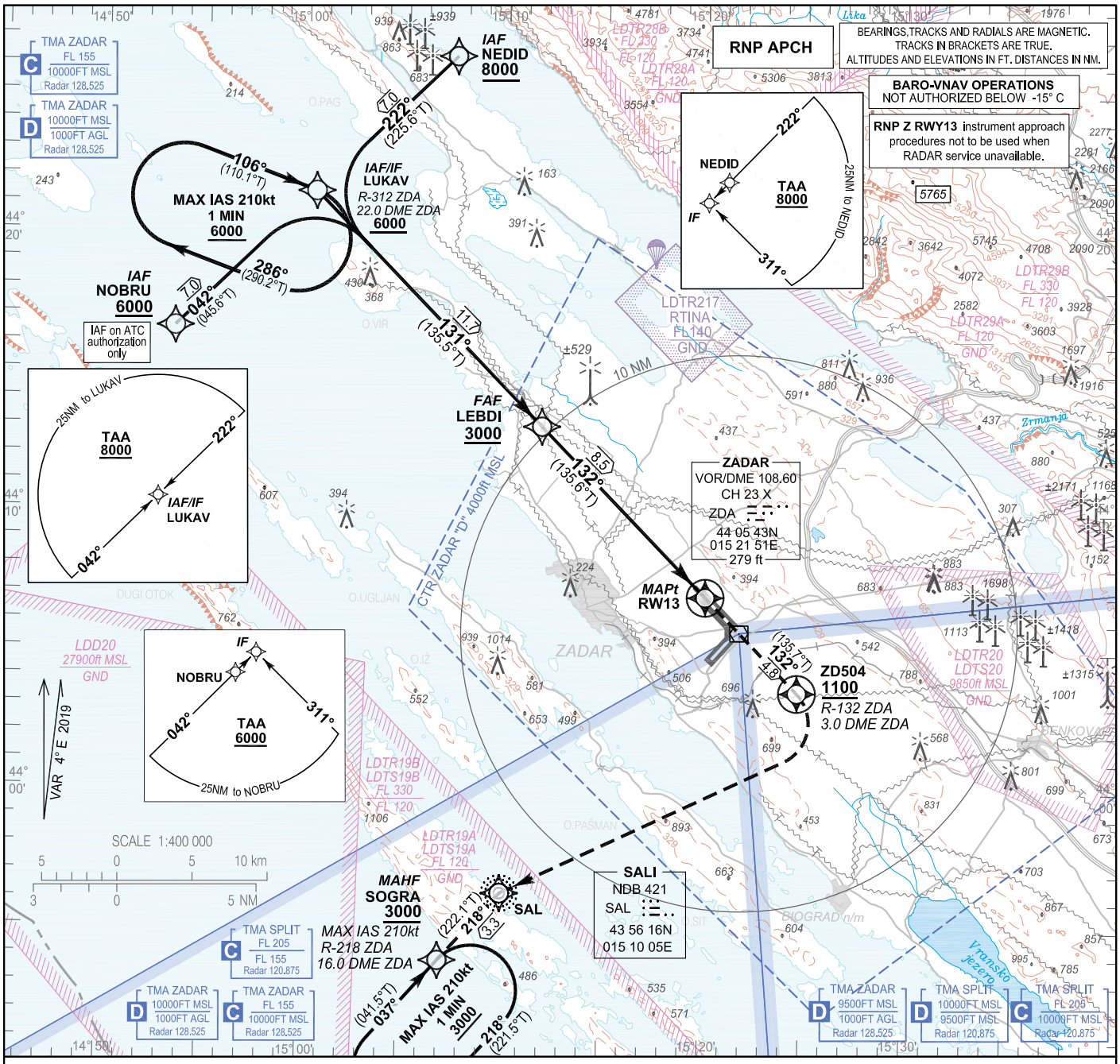
AD ELEV 289
HEIGHTS RELATED
TO THR 13 ELEV 243

SBAS
CH: 77391
E13A

ZADAR RADAR 128.525
ZADAR TOWER 123.700
ZADAR DELIVERY 132.975

ZADAR / Zemunik (LDZD)

RNP Z RWY 13



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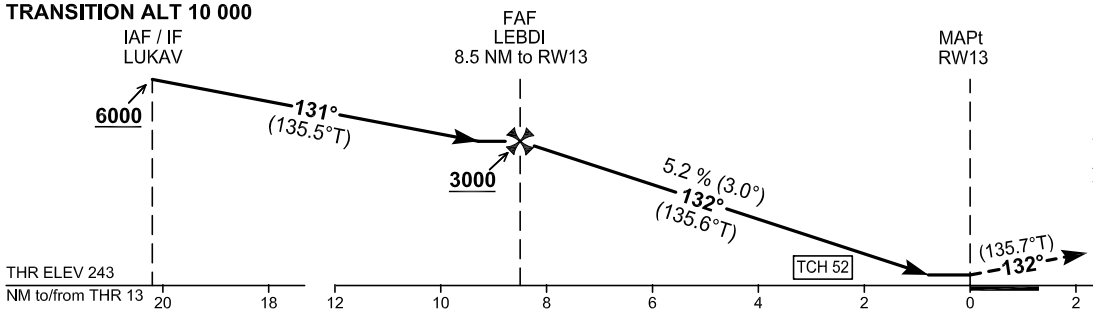

MISSED APPROACH:
RNAV
RW13 - ZD504 [M132; A1100+; R]
→SAL [L] - SOGRA [A3000; -K210]
NON RNAV
Climb straight ahead on course 132° to intercept and follow R-132 ZDA . At 3.0 DME ZDA (ZD504) turn RIGHT to SAL NDB. From SAL NDB proceed climbing on QDR 218° SAL to SOGRA (16.0 DME ZDA) at 3000 and hold. MAX IAS 210kt.

OCA(H)		A	B	C	D
Straight-in approach	LNAV	600 (357)			
	LNAV/VNAV	500 (257)			520 (277)
	LPV	500 (257)			
CIRCLING		1020 (731)		1170 (881)	

DIST THR / RW13	NM	8	7	6	5	4	3	2	1
Altitude	ft	2840	2520	2200	1880	1570	1250	930	610

Timing not authorized for defining the MAPt							
GS	kt	80	100	120	140	160	180
LEBDI - RW13 (8.5NM)	min:sec	6:23	5:06	4:15	3:39	3:11	2:50
Rate of descent (5.2%)	ft/min	425	531	637	743	849	955

CHANGE: TMAs classification vertical limits; Parachuting zone added; Editorial.

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RNP Z RWY 13

Coding elements for FAS Data Block

Input data	
Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDZD
Runway	13
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	Z
Reference Path Data Selector	0
Reference Path Identifier	E13A
LTP/FTP Latitude	440658.9785N
LTP/FTP Longitude	0152008.4970E
LTP/FTP Ellipsoidal Height (metres)	116.5
FPAP Latitude	440559.8450N
Delta FPAP Latitude (seconds)	-59.1335
FPAP Longitude	0152128.6020E
Delta FPAP Longitude (seconds)	80.1050
Threshold Crossing Height	52.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	56
HAL (metres)	40.0
VAL (metres)	50.0

Output data	
Data Block	10 04 1A 04 0C 0D D0 00 01 33 31 05 45 C5 EE 12 62 D4 94 06 8D 18 05 32 FE D2 71 02 08 02 2C 01 64 07 C8 FA D0 80 51 3F
Calculated CRC Value	D080513F

Required Additional Data	
ICAO Code	LD
LTP/FTP Orthometric Height (metres)	74.0

CHANGE: TMAs classification vertical limits; Parachuting zone added; Editorial.

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LDZD RNP Z RWY 13

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	NOBRU	-	-	4°E	-	-	+6000	-	-	IAF on ATC authorization only	RNP APCH
020	IF	TF	LUKAV	-	042° (045.6° T)	4°E	7.0	-	+6000	-	-	-	
010	IAF/IF	IF	LUKAV	-	-	4°E	-	-	+6000	-	-	-	RNP APCH
010	IAF	IF	NEDID	-	-	4°E	-	-	+8000	-	-	-	RNP APCH
020	IF	TF	LUKAV	-	222° (225.6° T)	4°E	7.0	-	+6000	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	LUKAV	-	-	4°E	-	-	+6000	-	-	-	RNP APCH
020	FAF	TF	LEBDI	-	131° (135.5°T)	4°E	11.7	-	+3000	-	-	-	
030	MAPt	TF	RW13	Y	132° (135.6°T)	4°E	8.5	-	-	-	3.0 / 52.0	-	
040	-	CF	ZD504	Y	132° (135.7°T)	4°E	4.8	-	+1100	-	-	-	
050	-	DF	SAL	-	-	4°E	-	R	-	-	-	-	
060	MAHF	TF	SOGRA	-	218° (222.1°T)	4°E	3.3	-	3000	-210	-	-	
070	MAHF	HM	SOGRA	-	037° (041.5°T)	4°E	1 MIN	R	3000	-210	-	Holding above 3000 FT on ATC clearance only	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
LUKAV	HM	106° (110.1° T)	1 MIN / -	R	6000	-	210	4°E	-	RNAV 1
SOGRA	HM	037° (041.5°T)	1 MIN / -	R	3000	-	210	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
SAL	435616.30N	0151005.20E
LEBDI	441303.8N	0151152.9E
LUKAV	442126.3N	0150026.7E
NEDID	442620.2N	0150725.4E
NOBRU	441632.4N	0145328.9E
SOGRA	435350.2N	0150702.6E
RW13	440658.98N	0152008.50E
ZD504	440334.2N	0152445.6E

CHANGE: TMAs classification vertical limits; Parachuting zone added; Editorial.

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INSTRUMENT APPROACH
CHART-ICAO

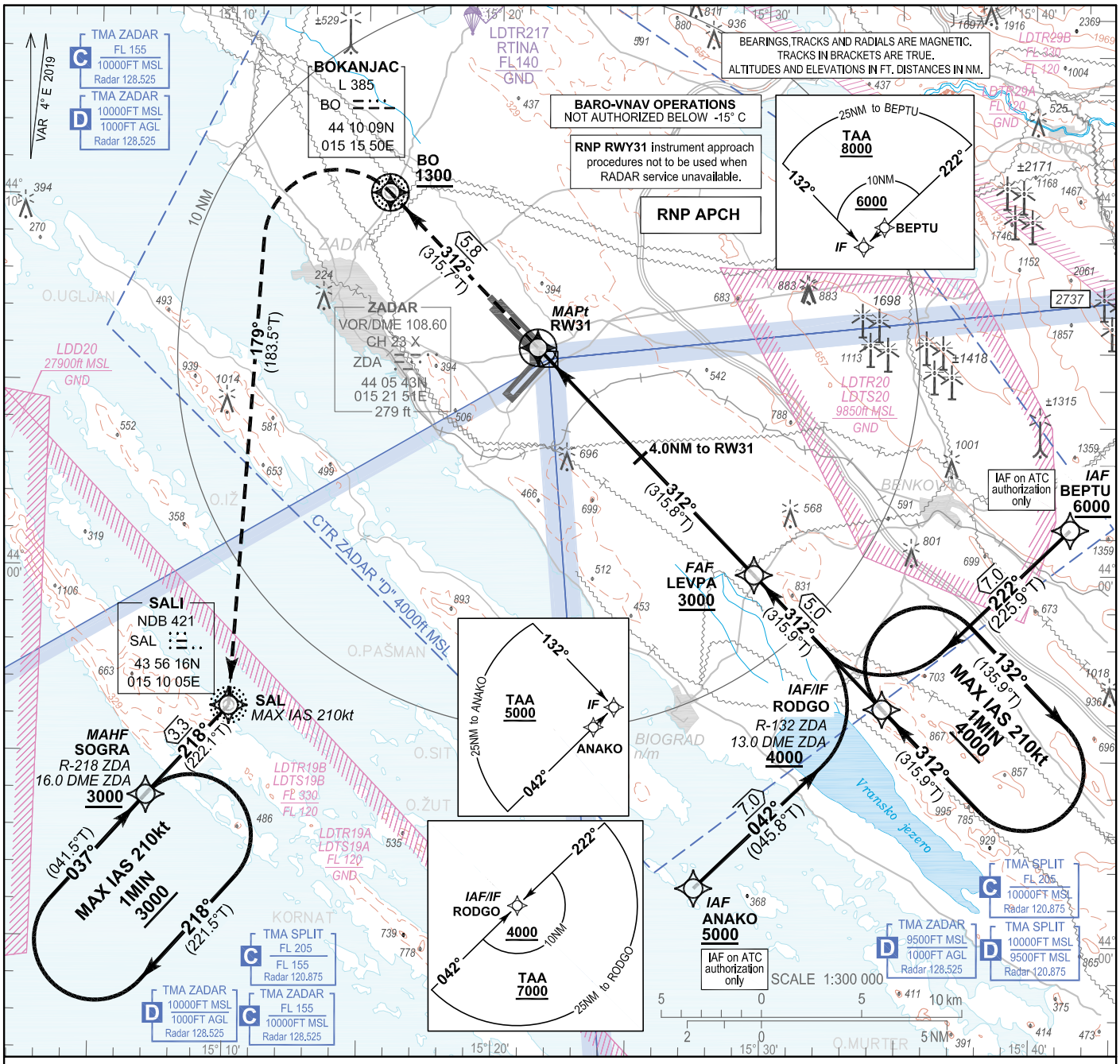
AD ELEV 289
HEIGHTS RELATED
TO THR 31 ELEV 258

SBAS
CH: 52358
E31A

ZADAR RADAR	128.525
ZADAR TOWER	123.700
ZADAR DELIVERY	132.975

ZADAR / Zemunik (LDZD)

RNP RWY 31



TRANSITION ALT 10 000

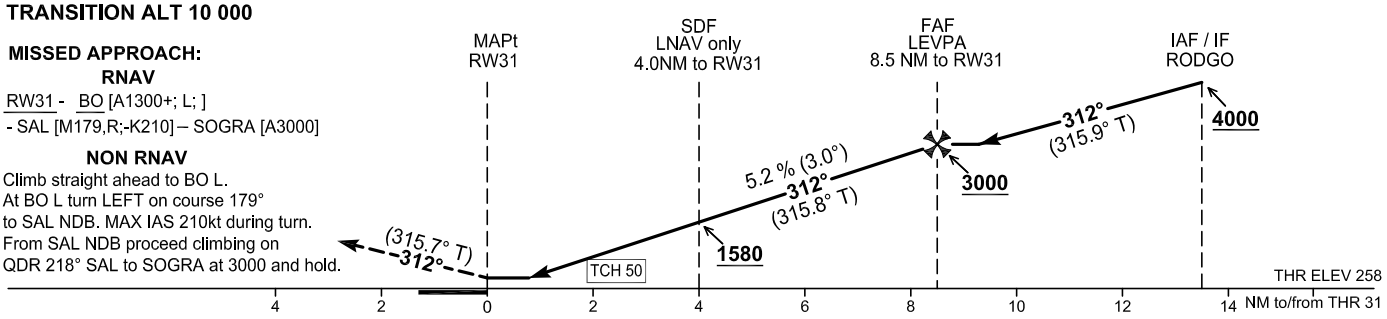
MISSED APPROACH:

RNAV

RW31 - BO [A1300+; L;]
- SAL [M179,R;-K210] – SOGRA [A3000]

NON RNAV

Climb straight ahead to BO L.
At BO L turn LEFT on course 179°
to SAL NDB. MAX IAS 210kt during turn.
From SAL NDB proceed climbing on
QDR 218° SAL to SOGRA at 3000 and hold.



OCA(H)		A	B	C	D
Straight-in approach	LNAV	600 (342)			
	LNAV/VNAV	510 (252)			520 (262)
	LPV	510 (252)			
CIRCLING		1020 (731)		1170 (881)	

DIST THR / RW31	NM	8	7	6	5	4	3	2	1
Altitude	ft	2890	2540	2220	1900	1580	1260	950	630

Timing not authorized for defining the MAPt							
GS	kt	80	100	120	140	160	180
LEVPA - RW31 (8.5NM)	min:sec	6:23	5:06	4:15	3:39	3:11	2:50
Rate of descent (5.2%)	ft/min	425	531	637	743	849	955

CHANGE: TMAs classification vertical limits; Parachuting zone added; Editorial.

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RNP RWY 31

Coding elements for FAS Data Block

Input data	
Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDZD
Runway	31
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E31A
LTP/FTP Latitude	440601.2885N
LTP/FTP Longitude	0152126.6465E
LTP/FTP Ellipsoidal Height (metres)	121.3
FPAP Latitude	440659.1180N
Delta FPAP Latitude (seconds)	57.8295
FPAP Longitude	0152008.3090E
Delta FPAP Longitude (seconds)	-78.3375
Threshold Crossing Height	50.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	50.0
Output data	
Data Block	10 04 1A 04 0C 1F 00 00 01 31 33 05 91 02 ED 12 ED 36 97 06 BD 18 CB C3 01 FD 9B FD F4 01 2C 01 64 00 C8 FA 9F E2 2F 84
Calculated CRC Value	9FE22F84
Required Additional Data	
ICAO Code	LD
LTP/FTP Orthometric Height (metres)	78.8

CHANGE: TMAs classification vertical limits; Parachuting zone added; Editorial.

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LDZD RNP RWY31

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	BEPTU	-	-	4°E	-	-	+6000	-	-	IAF on ATC authorization only	RNP APCH
020	IF	TF	RODGO	-	222° (225.9° T)	4°E	7.0	-	+4000	-	-	-	
010	IAF/IF	IF	RODGO	-	-	4°E	-	-	+4000	-	-		RNP APCH
010	IAF	IF	ANAKO	-	-	4°E	-	-	+5000	-	-	IAF on ATC authorization only	RNP APCH
020	IF	TF	RODGO	-	042° (045.8° T)	4°E	7.0	-	+4000	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	RODGO	-	-	4°E	-	-	+4000	-	-	-	RNP APCH
020	FAF	TF	LEVPA	-	312° (315.9°T)	4°E	5.0	-	+3000	-	-	-	
030	MAPt	TF	RW31	Y	312° (315.8°T)	4°E	8.5	-	-	-	3.0 / 50.0	-	
040	-	TF	BO	Y	312° (315.7°T)	4°E	5.8	-	+1300	-	-	-	
050	-	CF	SAL	-	179° (183.5° T)	4°E	-	L	-	-210	-	True course 183.48° T	
060	MAHF	TF	SOGRA	-	218° (222.1°T)	4°E	3.3	-	3000	-	-	-	
070	MAHF	HM	SOGRA	-	037° (041.5°T)	4°E	1 MIN	R	3000	-210	-	Holding above 3000 on ATC clearance only	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path Term-inator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limt MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
RODGO	HM	312° (315.9°T)	1MIN / -	R	4000	-	210	4°E	-	RNAV 1
SOGRA	HM	037° (041.5°T)	1MIN / -	R	3000	-	210	4°E	-	

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
BO	441009.29N	0151550.41E
SAL	435616.30N	0151005.20E
ANAKO	435129.8N	0152730.2E
BEPTU	440115.0N	0154124.7E
LEVPA	435957.9N	0152937.4E
RODGO	435622.6N	0153426.9E
SOGRA	435350.2N	0150702.6E
RW31	440601.29N	0152126.65E

CHANGE: TMAs classification vertical limits; Parachuting zone added; Editorial.

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VISUAL
OPERATION
CHART

AD ELEV 289

ZADAR RADAR	128.525	SPLIT RADAR	120.875
ZADAR TOWER	123.700		
ZADAR DELIVERY	132.975		

ZADAR / Zemunik (LDZD)
CROATIA


15° 05'
15° 10'
15° 15'
15° 20'
15° 25'
15° 30'
15° 35'
15° 40'
15° 45'
44° 15'
44° 10'
44° 05'
44° 00'
43° 55'
43° 50'
43° 45'
V1
44 18 07N
015 05 03E
R1
44 09 18N
015 02 04E
W2
44 04 22N
015 11 47E
N6
44 16 55N
015 20 51E
I2
44 11 10N
015 26 30E
E4
44 05 11N
015 31 57E
O2
44 12 04N
015 40 57E
P2
43 48 57N
015 40 05E
W3
43 44 03N
015 47 11E
Z1
43 55 46N
015 48 08E
S4
43 57 41N
015 23 54E
K2
43 49 40N
015 18 04E
SALI
NDB 423
SAL
43 56 16N
015 10 05E
ZADAR
VOR/DME 108.60
CH 23 X
ZDA
279ft
KAKMA
NDB 330
ZRA
ADRIA1
ADRIA2
ADRIA3
ADRIA4
1000ft AGL
TMA ZADAR
FL 155
10000FT MSL
Radar 128.525
TMA ZADAR
10000FT MSL
1000FT AGL
Radar 128.525
TMA SPLIT
FL 205
FL 155
Radar 120.875
TMA SPLIT
FL 205
10000FT MSL
Radar 120.875
TMA SPLIT
10000FT MSL
9500FT MSL
Radar 120.875
TMA ZADAR
9500FT MSL
1000FT AGL
Radar 128.525
LDD20
27900ft MSL
GND
LDTR19B
LDTS19B
FL 330
FL 120
LDTR19A
LDTS19A
FL 120
GND
LDTR21
RTINA
FL140
GND
LDTR20
LDTS20
9850ft MSL
GND
LDZD 2000m 2500m
289ft
Zemunik D.
PP TELAŠĆICA
PP VRANSKO JEZERO
PP VELEBIT
NP PAKLENICA
NP KORNATI
Zadarski kanal
Žirjanski kanal
Pašmanski kanal
Žut
Žirje
Kornatski kanal
Murterska more
Logorunska vrata
O.VIR
O.UGLJAN
O.RAVA
O.IŽ
O.PAŠMAN
O.Lavdara
O.SIT
O.ŽUT
O.Vrgada
O.KORNATI
O.MURTER
O.PRVIĆ
Privlaka
Ninja
Zaton
Rivanj
Petrčane
Kožino
Ugljan
Muline
Lukoran
Preko
Kali
Veli Iž
Mali Iž
Rava
Žman
Zaglav
Sali
Dugi otok
Kukljica
Sukošan
Bibinje
Debeljak
Zdrelac
Banj
Nevidane
Pašman
Turanj
Sv.Filip-i Jakov
Sikovo
Kakma
Polača
Sv.Petar-na Moru
Brbinj
Žut
Lučica
Vrulje
Tkon
BIOGRAD n/m
Pakoštane
Vrana
Drage
Murter
Betina
Pirovac
Tisno
Jezera
Tribunj
Vodice
Prvić Šepurine
Prvić Sv.Ivana
Zlarin
Kaprije
Žirje
Kaprije
Vlašići
Vrsi
Ljubač
Rtina
Ražanac
Starigrad
Jovići
Poljica
Visočane
Briševo
Murvica
Smokovič
Poličnik
Islam-Latinski
Islam Grčki
Posedarje
Novigradsko more
Novigrad
Maslenica
Jasenice
Rovanjska
Selina
Milečići
Silkarija
Muškovci
Obrovac
Krušvo
Bilišane
Zelengrad
Medvida
Bruska
Popovići
D.Karin
G.-Karin
Smilčić
Pridraga
Škabrnja
Kula Atlagić
BENKOVAC
Brgud
Mirjane
Lišane-Ostrovačke
Kolarina
Vukšić
Zažvić
Radošinovci
Pristeg
Stankovci
Čista Velika
Čista Mala
Putičanje
Dazlina
Čaćelezi
Banjevci
Raštane
Ljubački z.
Zadarski kanal
Novigradsko more
Murterska more
Logorunska vrata
ADRIA1
ADRIA2
ADRIA3
ADRIA4
1000ft AGL
TMA ZADAR
FL 155
10000FT MSL
Radar 128.525
TMA ZADAR
10000FT MSL
1000FT AGL
Radar 128.525
BOKANJAC
L 385
BO
ZADAR
L 348
ZK
ZADAR
Zemunik
LDZD 2000m 2500m
289ft
ZADAR
VOR/DME 108.60
CH 23 X
ZDA
279ft
KAKMA
NDB 330
ZRA
SALI
NDB 423
SAL
43 56 16N
015 10 05E
LDD20
27900ft MSL
GND
LDTR19B
LDTS19B
FL 330
FL 120
LDTR19A
LDTS19A
FL 120
GND
LDTR21
RTINA
FL140
GND
LDTR20
LDTS20
9850ft MSL
GND

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