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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 001/2020
Na snazi od: 27 FEB 2020
Datum izdavanja: 16 JAN 2020

1. Sadržaj izmjene:

GEN

- GEN 0.2 - Ažuriran je Pregled izmjena AIP-a
- GEN 0.3 - Ažuriran je Pregled dodataka AIP-u
- GEN 0.4 - Ažurirana je Lista provjere stranica AIP-a
- GEN 0.5 - Ažurirana je Lista ručnih ispravaka u AIP-u
- GEN 2.5 - Popis radionavigacijskih sredstava - izmijenjeno
- GEN 3.5.3 - Promijenjene oznake RWY-a 05/23 u 04/22 za LDZA AD

ENR

- ENR 1.5 - Promijenjene oznake RWY-a 05/23 u 04/22 za LDZA AD
- ENR 1.8.5.2.6 - Dodan novi podnaslov
- ENR 2.1.1 - Zagreb FIR/UIR - Zagreb ACC - dodana nova FREQ
- ENR 3.1, ENR 4.1 - Izmjena koordinata za DBK VOR/DME, razne izmjene
- ENR 3.3 - Rute prostorne navigacije - označitelj rute L607 - dodana točka RAVNA, L614 - dodana točka KUDUL, L868 - povučena točka ALANU; izmjena koordinata za DBK VOR/DME
- ENR 4.4 - Kodni naziv označitelja značajnih točaka - dodane nove točke, razne izmjene, točka ALANU povučena
- ENR 6 - nove karte:
  - Enroute chart - ICAO - FIR Zagreb Lower airspace (ENR 6.1-1)
  - Enroute chart - ICAO - FIR Zagreb Upper airspace (ENR 6.2-1)
  - Free Route Airspace - Index Chart SECSI FRA (ENR 6.11 -1/2)

AD

- AD 0.6 - Ažuriran je Sadržaj trećeg dijela
- AD 1.1 - Promijenjene oznake RWY-a 05/23 u 04/22 za LDZA AD
- LDDU AD 2.19 - Izmjena koordinata za DBK VOR/DME, razne izmjene
- LDZA AD 2.2, 2.9, 2.10, 2.12, 2.14, 2.19, 2.20, 2.21, 2.22 i 2.24 - Promijenjene oznake RWY-a 05/23 u 04/22 za LDZA AD
- LDZA AD 2.13 - Objavljene udaljenosti - izmijenjeno; promijenjene oznake RWY-a 05/23 u 04/22 za LDZA AD
- LDZA AD 2.15 - Razne izmjene; promijenjene oznake RWY-a 05/23 u 04/22 za LDZA AD
- LDZA AD 2.22 - SID RWY 04 - izmjena informacija o preprekama; promijenjene oznake RWY-a 05/23 u 04/22 za LDZA AD
- LDZA AD 2.24 - Popratne karte aerodroma - dodane nove karte
- LDZA - Nove karte:
  - Aerodrome Chart - ICAO (LDZA AD 2.24.1 ADC -1/2)
  - Aircraft Parking/Docking Chart - ICAO (LDZA AD 2.24.2 APDC EAST -1/2)
  - 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 (LDZA AD 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 or LOC RWY 04 CAT I/II/III (LDZA AD 2.24.12 IAC ILS or LOC RWY 04 -1/2)
- Instrument Approach Chart - ICAO Ly RWY 22 (LDZA AD 2.24.12 IAC Ly RWY 22 -1/2)
- Instrument Approach Chart - ICAO Lz RWY 22 (LDZA AD 2.24.12 IAC Lz RWY 22 -1/2)
- Instrument Approach Chart - ICAO ILS or LOC RWY 22 (LDZA AD 2.24.12 IAC ILS or LOC 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 - SID-ovi ALANU 3C, ULPIN 3C i EBITA 4G povučeni, RAVNA 1A i PALEZ 1A dodani; ALANU 3D, ULPIN 3D i EBITA 4H povučeni, RAVNA 1B i PALEZ 1B dodani; ALANU 3E, ULPIN 3E i EBITA 4J povučeni, RAVNA 1C i PALEZ 1C dodani; ALANU 3F, ULPIN 3F i EBITA 4K povučeni, RAVNA 1D i PALEZ 1D dodani; STAR-ovi ALANU 3A, ALANU 3B, ULPIN 3B, ULPIN 3A i EBITA 4F povučeni, KUDUL 1A i KUDUL 1B dodani.

• LDZD AD 2.24 - Popratne karte aerodroma - dodane nove karte

• LDZD - 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 Lz RWY 13 (LDZD AD 2.24.12 IAC Lz 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 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)

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: Nil

SUP: NIL

AIC: NIL

5. Izvadite / umetnite stranice kao što je prikazano u popisu na sljedećoj stranici:

Umetnite sljedeće stranice:

GEN 0.2 - 3/4	27 FEB 2020 / 06 DEC 2019
GEN 0.3 - 1/2	27 FEB 2020 / 01 FEB 2018
GEN 0.4 - 1/2	27 FEB 2020 / 27 FEB 2020
GEN 0.4 - 3/4	27 FEB 2020 / 27 FEB 2020
GEN 0.4 - 5/6	27 FEB 2020 / 27 FEB 2020
GEN 0.4 - 7/8	27 FEB 2020 / 27 FEB 2020
GEN 0.5 - 1/2	27 FEB 2020 / 27 FEB 2020
GEN 2.5 - 1/2	27 FEB 2020 / 27 FEB 2020
GEN 3.5 - 3/4	27 FEB 2020 / 05 DEC 2019
ENR 1.5 - 1/2	08 MAR 2012 / 27 FEB 2020
ENR 1.8 - 9/10	03 JAN 2019 / 27 FEB 2020
ENR 1.8 - 11/12	27 FEB 2020 / 27 FEB 2020
ENR 1.8 - 13/14	27 FEB 2020 / 27 FEB 2020
ENR 2.1 - 1/2	27 FEB 2020 / 28 MAY 2015
ENR 3.1 - 1/2	27 FEB 2020 / 25 APR 2019
ENR 3.3 - 1/2	01 FEB 2018 / 27 FEB 2020
ENR 3.3 - 5/6	01 FEB 2018 / 27 FEB 2020
ENR 3.3 - 7/8	24 MAY 2018 / 27 FEB 2020
ENR 3.3 - 11/12	01 FEB 2018 / 27 FEB 2020
ENR 3.3 - 15/16	27 FEB 2020 / 01 FEB 2018
ENR 3.3 - 29/30	01 FEB 2018 / 27 FEB 2020
ENR 4.1 - 1/2	27 FEB 2020 / 27 FEB 2020
ENR 4.4 - 1/2	27 FEB 2020 / 27 FEB 2020
ENR 4.4 - 3/4	27 FEB 2020 / 27 FEB 2020
ENR 4.4 - 5/6	27 FEB 2020 / 27 FEB 2020
ENR 4.4 - 7/8	27 FEB 2020 / 27 FEB 2020
ENR 4.4 - 9/10	27 FEB 2020 / 27 FEB 2020
ENR 6.1 -1	27 FEB 2020
ENR 6.2 -1	27 FEB 2020
ENR 6.11 - 1/2	27 FEB 2020 / 27 FEB 2020
AD 0.6 - 1/2	27 FEB 2020 / 27 FEB 2020
AD 0.6 - 3/4	27 FEB 2020 / 27 FEB 2020
AD 0.6 - 5/6	27 FEB 2020 / 27 FEB 2020
AD 0.6 - 7/8	27 FEB 2020 / 27 FEB 2020
AD 0.6 - 9/10	27 FEB 2020 / 27 FEB 2020
AD 1.1 - 1/2	07 DEC 2017 / 27 FEB 2020
LDDU AD 2 - 9/10	28 MAR 2019 / 27 FEB 2020
LDDU AD 2 -11/12	27 FEB 2020 / 28 MAR 2019
LDZA AD 2 - 1/2	27 FEB 2020 / 18 JUL 2019
LDZA AD 2 - 5/6	27 FEB 2020 / 27 FEB 2020
LDZA AD 2 - 7/8	27 FEB 2020 / 27 FEB 2020
LDZA AD 2 - 9/10	27 FEB 2020 / 10 OCT 2019
LDZA AD 2 - 11/12	27 FEB 2020 / 27 FEB 2020
LDZA AD 2 - 13/14	27 FEB 2020 / 27 FEB 2020
LDZA AD 2 - 15/16	27 FEB 2020 / 27 FEB 2020
LDZA AD 2 - 17/18	27 FEB 2020 / 19 JUL 2018
LDZA AD 2 - 19/20	27 FEB 2020 / 27 FEB 2020
LDZA AD 2 - 21/22	27 FEB 2020 / 27 FEB 2020
LDZA AD 2 - 23/24	27 FEB 2020 / 25 APR 2019
LDZA AD 2 - 25/26	27 FEB 2020 / 25 APR 2019
LDZA AD 2.24.1 ADC - 1/2	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.2 APDC EAST - 1/2	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.8 SID RWY04 - 1/2	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.8 SID RNAV RWY04 - 1/2	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.8 SID RNAV RWY04 - 3/4	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.8 SID RWY22 - 1/2	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.8 SID RNAV RWY22 - 1/2	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.8 SID RNAV RWY22 - 3/4	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.10 STAR RWY04 - 1/2	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.10 STAR RNAV RWY04 - 1/2	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.10 STAR RNAV RWY04 - 3/4	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.10 STAR RWY22 - 1/2	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.10 STAR RNAV RWY22 - 1/2	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.10 STAR RNAV RWY22 - 3/4	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.11 ATCSMAC - 1/2	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.12 IAC L RWY04 - 1/2	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.12 IAC ILS or LOC RWY04 - 1/2	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.12 IAC Ly RWY22 - 1/2	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.12 IAC Lz RWY22 - 1/2	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.12 IAC ILS or LOC RWY22 - 1/2	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.12 IAC RNP RWY04 - 1/2	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.12 IAC RNP RWY04 - 3/4	27 FEB 2020 / 27 FEB 2020
LDZA AD 2.24.12 IAC RNP RWY22 - 1/2	27 FEB 2020 / 27 FEB

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GEN 0.2 - 3/4	30 JAN 2020 / 06 DEC 2019
GEN 0.3 - 1/2	30 JAN 2020 / 01 FEB 2018
GEN 0.4 - 1/2	30 JAN 2020 / 30 JAN 2020
GEN 0.4 - 3/4	30 JAN 2020 / 30 JAN 2020
GEN 0.4 - 5/6	30 JAN 2020 / 30 JAN 2020
GEN 0.4 - 7/8	30 JAN 2020 / 30 JAN 2020
GEN 0.5 - 1/2	10 OCT 2019 / 30 JAN 2020
GEN 2.5 - 1/2	05 DEC 2019 / 05 DEC 2019
GEN 3.5 - 3/4	05 DEC 2019 / 05 DEC 2019
ENR 1.5 - 1/2	08 MAR 2012 / 28 MAR 2019
ENR 1.8 - 9/10	03 JAN 2019 / 03 JAN 2019
ENR 1.8 - 11/12	03 JAN 2019 / 03 JAN 2019
ENR 1.8 - 13/14	03 JAN 2019 / 03 JAN 2019
ENR 2.1 - 1/2	30 JAN 2020 / 28 MAY 2015
ENR 3.1 - 1/2	30 JAN 2020 / 25 APR 2019
ENR 3.3 - 1/2	01 FEB 2018 / 01 FEB 2018
ENR 3.3 - 5/6	01 FEB 2018 / 01 FEB 2018
ENR 3.3 - 7/8	24 MAY 2018 / 01 FEB 2018
ENR 3.3 - 11/12	01 FEB 2018 / 01 FEB 2018
ENR 3.3 - 15/16	01 FEB 2018 / 01 FEB 2018
ENR 3.3 - 29/30	01 FEB 2018 / 01 FEB 2018
ENR 4.1 - 1/2	30 JAN 2020 / 30 JAN 2020
ENR 4.4 - 1/2	30 JAN 2020 / 30 JAN 2020
ENR 4.4 - 3/4	30 JAN 2020 / 30 JAN 2020
ENR 4.4 - 5/6	30 JAN 2020 / 30 JAN 2020
ENR 4.4 - 7/8	30 JAN 2020 / 30 JAN 2020
ENR 4.4 - 9/10	30 JAN 2020 / 30 JAN 2020
ENR 6.1 -1	05 DEC 2019
ENR 6.2 -1	05 DEC 2019
ENR 6.11 - 1/2	30 JAN 2020 / 30 JAN 2020
AD 0.6 - 1/2	30 JAN 2020 / 30 JAN 2020
AD 0.6 - 3/4	30 JAN 2020 / 30 JAN 2020
AD 0.6 - 5/6	30 JAN 2020 / 30 JAN 2020
AD 0.6 - 7/8	30 JAN 2020 / 30 JAN 2020
AD 0.6 - 9/10	30 JAN 2020 / 30 JAN 2020
AD 1.1 - 1/2	07 DEC 2017 / 07 DEC 2017
LDDU AD 2 - 9/10	28 MAR 2019 / 12 SEP 2019
LDDU AD 2 - 11/12	12 SEP 2019 / 28 MAR 2019
LDZA AD 2 - 1/2	10 OCT 2019 / 18 JUL 2019
LDZA AD 2 - 5/6	18 JUL 2019 / 30 JAN 2020
LDZA AD 2 - 7/8	07 JAN 2016 / 30 MAR 2017
LDZA AD 2 - 9/10	31 JAN 2019 / 10 OCT 2019
LDZA AD 2 - 11/12	25 APR 2019 / 10 OCT 2019
LDZA AD 2 - 13/14	23 MAY 2019 / 30 JAN 2020
LDZA AD 2 - 15/16	19 JUL 2018 / 19 JUL 2018
LDZA AD 2 - 17/18	10 OCT 2019 / 19 JUL 2018
LDZA AD 2 - 19/20	25 APR 2019 / 25 APR 2019
LDZA AD 2 - 21/22	25 APR 2019 / 25 APR 2019
LDZA AD 2 - 23/24	25 APR 2019 / 25 APR 2019
LDZA AD 2 - 25/26	25 APR 2019 / 25 APR 2019
LDZA AD 2.24.1 ADC - 1/2	03 JAN 2019 / 03 JAN 2019
LDZA AD 2.24.2 APDC EAST - 1/2	18 JUL 2019 / 18 JUL 2019
LDZA AD 2.24.8 SID RWY05 - 1/2	25 APR 2019 / 25 APR 2019
LDZA AD 2.24.8 SID RNAV RWY05 - 1/2	12 SEP 2019 / 12 SEP 2019
LDZA AD 2.24.8 SID RNAV RWY05 - 3/4	12 SEP 2019 / 12 SEP 2019
LDZA AD 2.24.8 SID RWY23 - 1/2	25 APR 2019 / 25 APR 2019
LDZA AD 2.24.8 SID RNAV RWY23 - 1/2	12 SEP 2019 / 12 SEP 2019
LDZA AD 2.24.8 SID RNAV RWY23 - 3/4	12 SEP 2019 / 12 SEP 2019
LDZA AD 2.24.10 STAR RWY05 - 1/2	25 APR 2019 / 25 APR 2019
LDZA AD 2.24.10 STAR RNAV RWY05 - 1/2	25 APR 2019 / 25 APR 2019
LDZA AD 2.24.10 STAR RNAV RWY05 - 3/4	25 APR 2019 / 25 APR 2019
LDZA AD 2.24.10 STAR RWY23 - 1/2	25 APR 2019 / 25 APR 2019
LDZA AD 2.24.10 STAR RNAV RWY23 - 1/2	25 APR 2019 / 25 APR 2019
LDZA AD 2.24.10 STAR RNAV RWY23 - 3/4	25 APR 2019 / 25 APR 2019
LDZA AD 2.24.11 ATCSMAC - 1/2	25 APR 2019 / 25 APR 2019
LDZA AD 2.24.12 IAC L RWY05 - 1/2	25 APR 2019 / 25 APR 2019
LDZA AD 2.24.12 IAC ILS or LOC RWY05 - 1/2	10 OCT 2019 / 10 OCT 2019
LDZA AD 2.24.12 IAC Ly RWY 23 - 1/2	25 APR 2019 / 25 APR 2019
LDZA AD 2.24.12 IAC Lz RWY 23 - 1/2	25 APR 2019 / 25 APR 2019
LDZA AD 2.24.12 IAC ILS or LOC RWY23 - 1/2	25 APR 2019 / 25 APR 2019
LDZA AD 2.24.12 IAC RNAV (GNSS) RWY05 - 1/2	25 APR 2019 / 25 APR 2019
LDZA AD 2.24.12 IAC RNAV (GNSS) RWY05 - 3/4	25 APR 2019 / 25 APR 2019
LDZA AD 2.24.12 IAC RNAV (GNSS) RWY05 - 1/2	25 APR 2019 /

Umetnite sljedeće stranice:	Izvadite sljedeće stranice:
2020	25 APR 2019
LDZA AD 2.24.12 IAC RNP RWY22 - 3/4 27 FEB 2020 / 27 FEB 2020	LDZA AD 2.24.12 IAC RNAV (GNSS) RWY05 - 3/4 25 APR 2019 / 25 APR 2019
LDZA AD 2.24.13 VOC - 1/2 27 FEB 2020 / 27 FEB 2020	LDZA AD 2.24.13 VOC - 1/2 07 NOV 2019 / 07 NOV 2019
LDZD AD 2 - 11/12 23 MAY 2019 / 27 FEB 2020	LDZD AD 2 - 11/12 23 MAY 2019 / 23 MAY 2019
LDZD AD 2 - 13/14 27 FEB 2020 / 27 FEB 2020	LDZD AD 2 - 13/14 23 MAY 2019 / 23 MAY 2019
LDZD AD 2 - 15/16 27 FEB 2020 / 27 FEB 2020	LDZD AD 2 - 15/16 23 MAY 2019 / 23 MAY 2019
LDZD AD 2 - 17/18 27 FEB 2020 / 27 FEB 2020	NIL
LDZD AD 2.24.8 SID RWY04 - 1/2 27 FEB 2020 / 27 FEB 2020	LDZD AD 2.24.8 SID RWY04 - 1/2 23 MAY 2019 / 23 MAY 2019
LDZD AD 2.24.8 SID RNAV RWY 04 - 1/2 27 FEB 2020 / 27 FEB 2020	Nil
LDZD AD 2.24.8 SID RNAV RWY 04 - 3/4 27 FEB 2020 / 27 FEB 2020	Nil
LDZD AD 2.24.8 SID RWY13 - 1/2 27 FEB 2020 / 27 FEB 2020	LDZD AD 2.24.8 SID RWY13 - 1/2 23 MAY 2019 / 23 MAY 2019
LDZD AD 2.24.8 SID RNAV RWY 13 - 1/2 27 FEB 2020 / 27 FEB 2020	Nil
LDZD AD 2.24.8 SID RNAV RWY 13 - 3/4 27 FEB 2020 / 27 FEB 2020	Nil
LDZD AD 2.24.8 SID RWY22 - 1/2 27 FEB 2020 / 27 FEB 2020	LDZD AD 2.24.8 SID RWY22 - 1/2 23 MAY 2019 / 23 MAY 2019
LDZD AD 2.24.8 SID RNAV RWY 22- 1/2 27 FEB 2020 / 27 FEB 2020	Nil
LDZD 08 SID RWY31 - 1/2 27 FEB 2020 / 27 FEB 2020	LDZD AD 2.24.8 SID RWY31 - 1/2 23 MAY 2019 / 23 MAY 2019
LDZD AD 2.24.8 SID RNAV RWY 31- 1/2 27 FEB 2020 / 27 FEB 2020	Nil
LDZD AD 2.24.8 SID RNAV RWY 31- 3/4 27 FEB 2020 / 27 FEB 2020	Nil
LDZD AD 2.24.10 STAR RWY04&13/31 - 1/2 27 FEB 2020 / 27 FEB 2020	LDZD AD 2.24.10 STAR RWY04&13/31 - 1/2 23 MAY 2019 / 23 MAY 2019
LDZD AD 2.24.10 STAR RNAV 04 - 1/2 27 FEB 2020 / 27 FEB 2020	Nil
LDZD AD 2.24.10 STAR RNAV 04 - 3/4 27 FEB 2020 / 27 FEB 2020	Nil
LDZD AD 2.24.10 STAR RNAV 13- 1/2 27 FEB 2020 / 27 FEB 2020	Nil
LDZD AD 2.24.10 STAR RNAV 13 - 3/4 27 FEB 2020 / 27 FEB 2020	Nil
LDZD AD 2.24.10 STAR RNAV 31- 1/2 27 FEB 2020 / 27 FEB 2020	Nil
LDZD AD 2.24.10 STAR RNAV 31 - 3/4 27 FEB 2020 / 27 FEB 2020	Nil
LDZD AD 2.24.11 ATCSMAC - 1/2 27 FEB 2020 / 27 FEB 2020	LDZD AD 2.24.11 ATCSMAC - 1/2 23 MAY 2019 / 23 MAY 2019
LDZD AD 2.24.12 IAC VOR RWY04 - 1/2 27 FEB 2020 / 27 FEB 2020	LDZD AD 2.24.12 IAC VOR RWY04 -1/2 23 MAY 2019 / 23 MAY 2019
LDZD AD 2.24.12 IAC Lz RWY13 - 1/2 27 FEB 2020 / 27 FEB 2020	LDZD AD 2.24.12 IAC Lz RWY13 - 1/2 23 MAY 2019 / 23 MAY 2019
LDZD AD 2.24.12 IAC VOR RWY13 - 1/2 27 FEB 2020 / 27 FEB 2020	LDZD AD 2.24.12 IAC VOR RWY13 - 1/2 23 MAY 2019 / 23 MAY 2019
LDZD AD 2.24.12 IAC ILS or LOC RWY13 - 1/2 27 FEB 2020 / 27 FEB 2020	LDZD AD 2.24.12 IAC ILS or LOC RWY13 - 1/2 23 MAY 2019 / 23 MAY 2019
LDZD AD 2.24.12 IAC RNP RWY04 - 1/2 27 FEB 2020 / 27 FEB 2020	LDZD AD 2.24.12 IAC RNAV (GNSS) RWY 04 - 1/2 23 MAY 2019 / 23 MAY 2019
LDZD AD 2.24.12 IAC RNP RWY04 - 3/4 27 FEB 2020 / 27 FEB 2020	LDZD AD 2.24.12 IAC RNAV (GNSS) RWY 04 - 3/4 23 MAY 2019 / 23 MAY 2019
LDZD AD 2.24.12 IAC RNP Y RWY13 - 1/2 27 FEB 2020 / 27 FEB 2020	Nil
LDZD AD 2.24.12 IAC RNP Y RWY13 - 3/4 27 FEB 2020 / 27 FEB 2020	Nil
LDZD AD 2.24.12 IAC RNP Z RWY13 - 1/2 27 FEB 2020 / 27 FEB 2020	LDZD AD 2.24.12 IAC RNAV (GNSS) RWY 13 - 1/2 23 MAY 2019 / 23 MAY 2019
LDZD AD 2.24.12 IAC RNP Z RWY13 - 3/4 27 FEB 2020 / 27 FEB 2020	LDZD AD 2.24.12 IAC RNAV (GNSS) RWY 13 - 3/4 23 MAY 2019 / 23 MAY 2019
LDZD AD 2.24.12 IAC RNP RWY 31- 1/2 27 FEB 2020 / 27 FEB 2020	LDZD AD 2.24.12 IAC RNAV (GNSS) RWY 31 - 1/2 23 MAY 2019 / 23 MAY 2019
LDZD AD 2.24.12 IAC RNP RWY 31 - 3/4 27 FEB 2020 / 27 FEB 2020	LDZD AD 2.24.12 IAC RNAV (GNSS) RWY 31 - 3/4 23 MAY 2019 / 23 MAY 2019

AIRAC AIP IZMJENA			
Broj/Godina	*Datum izdavanja*	*Datum stupanja na snagu*	*Izmjenu unio*
009/2018	30-Aug-2018	11-Oct-2018	
010/2018	27-Sep-2018	08-Nov-2018	
011/2018	25-Oct-2018	06-Dec-2018	
012/2018	22-Nov-2018	03-Jan-2019	
013/2018	20-Dec-2018	31-Jan-2019	
001/2019	17-Jan-2019	28-Feb-2019	
002/2019	14-Feb-2019	28-Mar-2019	
003/2019	14-Mar-2019	25-Apr-2019	
004/2019	11-Apr-2019	23-May-2019	
005/2019	09-May-2019	20-Jun-2019	
006/2019	06-Jun-2019	18-Jul-2019	
007/2019	01-Aug-2019	12-Sep-2019	
008/2019	29-Aug-2019	10-Oct-2019	
009/2019	26-Sep-2019	07-Nov-2019	
010/2019	24-Oct-2019	05-Dec-2019	
011/2019	19-Dec-2019	30-Jan-2020	
001/2020	16-Jan-2020	27-Feb-2020	

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	

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GEN 0.3 PREGLED DODATAKA AIP-U

Broj/ godina	Predmet	AIP odjeljak(ci) na koje se odnosi	Period valjanosti	Zapis o poništenju
010/2018	DME “JAP” CH123Y nije raspoloživ za uporabu zbog testiranja	GEN 2, ENR 4, ENR 6, LDZA AD 2	27-Sep-2018 - UFN	
005/2019	LDZD - Zračna luka ZADAR/Zemunik - Građevinski radovi sjeveroistočno od Glavne stajanke	LDZD AD 2	23-May-2019 - UFN	
013/2019	LDZD - Zračna luka ZADAR/Zemunik - Privremena suspenzija RNAV (GNSS) RWY 13 i probni PBN zrakoplovni navigacijski postupci	LDZD AD 2	07-Nov-2019 - UFN	
014/2019	Zamjena RJK VOR/DME-a, utjecaj na postojeće LDRI i LDPL instrumentalne postupke tijekom leta i objava privremenih LDRI instrumentalnih postupaka tijekom leta	LDPL AD 2, LDRI AD 2, ENR 3, ENR 4	05-Dec-2019 - UFN	
015/2019	LDZA - Zračna luka ZAGREB/Franjo Tuđman - Plan pripravnosti aerodroma u slučaju snijega za zimsku sezonu 2019/2020	LDZA AD 2	20-Nov-2019 - 31-Mar-2020	
016/2019	AD i ATS HR SER - LDDU/LDLO/LDOS/ LDPL/LDRI/LDSB/LDZD	LDDU/LDLO/LDOS/ LDPL/LDRI/LDSB/ LDZD AD 2	20-Nov-2019 - 28-Mar-2020	
001/2020	LDRI - Zračna luka RIJEKA/Krk I. - Privremena suspenzija RNAV (GNSS) RWY 14, RNAV (GNSS) RWY 32 i objava probnih PBN zrakoplovnih navigacijskih postupaka	LDRI AD 2	27-Feb-2020 - UFN	
002/2020	LDSP - Zračna luka SPLIT/Kaštela - Privremena suspenzija RNAV VISUAL RWY 23 i objava probnih PBN zrakoplovnih navigacijskih postupaka	LDSP AD 2	27-Feb-2020 - UFN	

OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA

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GEN 0.4 LISTA PROVJERE STRANICA AIP-A

PART 1 - GENERAL (GEN)

Stranica	Datum
GEN 0.1 - 1	08 MAR 2012
GEN 0.1 - 2	08 MAR 2012
GEN 0.1 - 3	06 DEC 2019
GEN 0.1 - 4	08 MAR 2012
GEN 0.2 - 1	20 JUL 2017
GEN 0.2 - 2	13 SEP 2018
GEN 0.2 - 3	27 FEB 2020
GEN 0.2 - 4	06 DEC 2019
GEN 0.3 - 1	27 FEB 2020
GEN 0.3 - 2	01 FEB 2018
GEN 0.4 - 1	27 FEB 2020
GEN 0.4 - 2	27 FEB 2020
GEN 0.4 - 3	27 FEB 2020
GEN 0.4 - 4	27 FEB 2020
GEN 0.4 - 5	27 FEB 2020
GEN 0.4 - 6	27 FEB 2020
GEN 0.4 - 7	27 FEB 2020
GEN 0.4 - 8	27 FEB 2020
GEN 0.5 - 1	27 FEB 2020
GEN 0.5 - 2	27 FEB 2020
GEN 0.6 - 1	06 DEC 2019
GEN 0.6 - 2	06 DEC 2019
GEN 0.6 - 3	06 DEC 2019
GEN 0.6 - 4	06 DEC 2019
GEN 1.1 - 1	09 NOV 2017
GEN 1.1 - 2	09 NOV 2017
GEN 1.1 - 3	09 NOV 2017
GEN 1.1 - 4	09 NOV 2017
GEN 1.2 - 1	21 JUL 2017
GEN 1.2 - 2	21 JUL 2017
GEN 1.2 - 3	19 JUL 2019
GEN 1.2 - 4	21 JUL 2017
GEN 1.2 - 5	21 JUL 2017
GEN 1.2 - 6	21 JUL 2017
GEN 1.2 - 7	21 JUL 2017
GEN 1.2 - 8	21 JUL 2017
GEN 1.2 - 9	24 JUL 2014
GEN 1.2 - 10	21 JUL 2017
GEN 1.2 - 11	24 JUL 2014
GEN 1.2 - 12	24 JUL 2014
GEN 1.3 - 1	20 JUL 2017
GEN 1.3 - 2	20 JUL 2017
GEN 1.3 - 3	20 JUL 2017
GEN 1.3 - 4	20 JUL 2017
GEN 1.3 - 5	20 JUL 2017
GEN 1.3 - 6	20 JUL 2017
GEN 1.3 - 7	20 JUL 2017
GEN 1.3 - 8	20 JUL 2017
GEN 1.4 - 1	12 DEC 2013
GEN 1.4 - 2	12 DEC 2013
GEN 1.5 - 1	19 JUL 2019
GEN 1.5 - 2	19 JUL 2019
GEN 1.5 - 3	26 APR 2018
GEN 1.5 - 4	30 APR 2015
GEN 1.6 - 1	07 MAR 2013
GEN 1.6 - 2	08 MAR 2012
GEN 1.7 - 1	12 OCT 2017
GEN 1.7 - 2	12 OCT 2017
GEN 1.7 - 3	12 OCT 2017
GEN 1.7 - 4	12 OCT 2017
GEN 1.7 - 5	25 APR 2019
GEN 1.7 - 6	12 OCT 2017
GEN 1.7 - 7	12 OCT 2017
GEN 1.7 - 8	12 OCT 2017
GEN 1.7 - 9	12 OCT 2017
GEN 1.7 - 10	12 OCT 2017
GEN 1.7 - 11	12 OCT 2017
GEN 1.7 - 12	12 OCT 2017
GEN 1.7 - 13	12 OCT 2017
GEN 1.7 - 14	12 OCT 2017
GEN 2.1 - 1	06 DEC 2019
GEN 2.1 - 2	06 DEC 2019
GEN 2.2 - 1	05 JAN 2017
GEN 2.2 - 2	19 JUL 2018
GEN 2.2 - 3	19 JUL 2018
GEN 2.2 - 4	08 NOV 2018
GEN 2.2 - 5	08 NOV 2018
GEN 2.2 - 6	08 NOV 2018
GEN 2.2 - 7	08 NOV 2018
GEN 2.2 - 8	08 NOV 2018
GEN 2.2 - 9	08 NOV 2018
GEN 2.2 - 10	08 NOV 2018
GEN 2.2 - 11	08 NOV 2018
GEN 2.2 - 12	08 NOV 2018
GEN 2.2 - 13	08 NOV 2018
GEN 2.2 - 14	19 JUL 2018
GEN 2.3 - 1	01 FEB 2018
GEN 2.3 - 2	01 FEB 2018
GEN 2.3 - 3	01 FEB 2018
GEN 2.3 - 4	01 FEB 2018
GEN 2.3 - 5	01 FEB 2018
GEN 2.3 - 6	01 FEB 2018
GEN 2.3 - 7	01 FEB 2018
GEN 2.3 - 8	01 FEB 2018
GEN 2.3 - 9	01 FEB 2018
GEN 2.3 - 10	01 FEB 2018
GEN 2.3 - 11	01 FEB 2018
GEN 2.3 - 12	01 FEB 2018
GEN 2.4 - 1	02 FEB 2017
GEN 2.4 - 2	10 OCT 2019
GEN 2.5 - 1	27 FEB 2020
GEN 2.5 - 2	27 FEB 2020
GEN 2.6 - 1	13 SEP 2018
GEN 2.6 - 2	08 MAR 2012
GEN 2.6 - 3	08 MAR 2012
GEN 2.6 - 4	08 MAR 2012
GEN 2.7 - 1	13 SEP 2018
GEN 2.7 - 2	08 MAR 2012
GEN 2.7 - 3	08 MAR 2012
GEN 2.7 - 4	08 MAR 2012
GEN 2.7 - 5	08 MAR 2012
GEN 2.7 - 6	08 MAR 2012
GEN 2.7 - 7	08 MAR 2012
GEN 2.7 - 8	08 MAR 2012
GEN 2.7 - 9	08 MAR 2012
GEN 2.7 - 10	08 MAR 2012
GEN 2.7 - 11	08 MAR 2012
GEN 2.7 - 12	08 MAR 2012
GEN 2.7 - 13	08 MAR 2012
GEN 2.7 - 14	08 MAR 2012
GEN 3.1 - 1	06 DEC 2019
GEN 3.1 - 2	06 DEC 2019
GEN 3.1 - 3	10 OCT 2019
GEN 3.1 - 4	10 OCT 2019
GEN 3.1 - 5	06 DEC 2019
GEN 3.1 - 6	06 DEC 2019
GEN 3.2 - 1	06 DEC 2019
GEN 3.2 - 2	27 APR 2017
GEN 3.2 - 3	27 APR 2017
GEN 3.2 - 4	27 APR 2017
GEN 3.3 - 1	22 JUN 2017
GEN 3.3 - 2	06 DEC 2019
GEN 3.3 - 3	06 DEC 2019

Stranica	Datum
GEN 3.3 - 4	08 MAR 2012
GEN 3.4 - 1	25 APR 2019
GEN 3.4 - 2	08 MAR 2012
GEN 3.4 - 3	08 MAR 2012
GEN 3.4 - 4	06 DEC 2019
GEN 3.4 - 5	08 MAR 2012
GEN 3.4 - 6	08 MAR 2012
GEN 3.5 - 1	10 OCT 2019
GEN 3.5 - 2	27 APR 2017
GEN 3.5 - 3	27 FEB 2020
GEN 3.5 - 4	05 DEC 2019
GEN 3.5 - 5	07 NOV 2019
GEN 3.5 - 6	07 NOV 2019
GEN 3.5 - 7	12 OCT 2017
GEN 3.5 - 8	12 OCT 2017
GEN 3.5 - 9	10 OCT 2019
GEN 3.5 - 10	01 FEB 2018
GEN 3.5 - 11	01 FEB 2018
GEN 3.5 - 12	14 SEP 2017
GEN 3.6 - 1	22 JUN 2017
GEN 3.6 - 2	08 MAR 2012
GEN 3.6 - 3	08 MAR 2012
GEN 3.6 - 4	08 MAR 2012
GEN 4.1 - 1	08 MAR 2012
GEN 4.1 - 2	01 MAY 2014
GEN 4.1 - 3	18 JUL 2019
GEN 4.1 - 4	10 OCT 2019
GEN 4.1 - 5	08 MAR 2012
GEN 4.1 - 6	08 MAR 2012
GEN 4.1 - 7	08 MAR 2012
GEN 4.1 - 8	28 FEB 2019
GEN 4.1 - 9	08 MAR 2012
GEN 4.1 - 10	18 JUL 2019
GEN 4.1 - 11	18 JUL 2019
GEN 4.1 - 12	08 MAR 2012
GEN 4.1 - 13	08 MAR 2012
GEN 4.1 - 14	10 OCT 2019
GEN 4.1 - 15	18 JUL 2019
GEN 4.1 - 16	10 OCT 2019
GEN 4.1 - 17	10 OCT 2019
GEN 4.1 - 18	18 JUL 2019
GEN 4.1 - 19	10 OCT 2019
GEN 4.1 - 20	18 JUL 2019
GEN 4.1 - 21	10 OCT 2019
GEN 4.1 - 22	10 OCT 2019
GEN 4.1 - 23	18 JUL 2019
GEN 4.1 - 24	07 NOV 2019
GEN 4.1 - 25	18 JUL 2019
GEN 4.1 - 26	18 JUL 2019
GEN 4.1 - 27	18 JUL 2019
GEN 4.1 - 28	18 JUL 2019
GEN 4.1 - 29	18 JUL 2019
GEN 4.1 - 30	18 JUL 2019
GEN 4.1 - 31	10 OCT 2019
GEN 4.1 - 32	18 JUL 2019
GEN 4.1 - 33	18 JUL 2019
GEN 4.1 - 34	10 OCT 2019
GEN 4.1 - 35	18 JUL 2019
GEN 4.1 - 36	10 OCT 2019
GEN 4.1 - 37	18 JUL 2019
GEN 4.1 - 38	18 JUL 2019
GEN 4.1 - 39	10 OCT 2019
GEN 4.1 - 40	18 JUL 2019
GEN 4.2 - 1	28 FEB 2019
GEN 4.2 - 2	28 FEB 2019
GEN 4.2 - 3	28 FEB 2019
GEN 4.2 - 4	28 FEB 2019

PART 2 - EN-ROUTE (ENR)

Stranica	Datum
ENR 0.1 - 1	08 MAR 2012
ENR 0.1 - 2	08 MAR 2012
ENR 0.2 - 1	08 MAR 2012
ENR 0.2 - 2	08 MAR 2012
ENR 0.3 - 1	08 MAR 2012
ENR 0.3 - 2	08 MAR 2012
ENR 0.4 - 1	08 MAR 2012
ENR 0.4 - 2	08 MAR 2012
ENR 0.5 - 1	08 MAR 2012
ENR 0.5 - 2	08 MAR 2012
ENR 0.6 - 1	19 JUL 2019
ENR 0.6 - 2	19 JUL 2019
ENR 0.6 - 3	19 JUL 2019
ENR 0.6 - 4	19 JUL 2019
ENR 1.1 - 1	26 OCT 2015
ENR 1.1 - 2	19 JUL 2019
ENR 1.1 - 3	19 JUL 2019
ENR 1.1 - 4	19 JUL 2019
ENR 1.1 - 5	28 FEB 2019
ENR 1.1 - 6	19 JUL 2019
ENR 1.1 - 7	28 FEB 2019
ENR 1.1 - 8	28 FEB 2019
ENR 1.2 - 1	26 OCT 2015
ENR 1.2 - 2	26 OCT 2015
ENR 1.2 - 3	26 OCT 2015
ENR 1.2 - 4	08 MAR 2012
ENR 1.3 - 1	19 JUL 2019
ENR 1.3 - 2	19 JUL 2019
ENR 1.3 - 3	19 JUL 2019
ENR 1.3 - 4	01 FEB 2018
ENR 1.4 - 1	25 APR 2019
ENR 1.4 - 2	25 APR 2019
ENR 1.5 - 1	08 MAR 2012
ENR 1.5 - 2	27 FEB 2020
ENR 1.6 - 1	30 MAR 2017
ENR 1.6 - 2	19 JUL 2018
ENR 1.7 - 1	25 APR 2019
ENR 1.7 - 2	08 MAR 2012
ENR 1.7 - 3	08 MAR 2012
ENR 1.7 - 4	08 MAR 2012
ENR 1.8 - 1	13 SEP 2018
ENR 1.8 - 2	13 SEP 2018
ENR 1.8 - 3	13 SEP 2018
ENR 1.8 - 4	12 SEP 2019
ENR 1.8 - 5	12 SEP 2019
ENR 1.8 - 6	03 JAN 2019
ENR 1.8 - 7	03 JAN 2019
ENR 1.8 - 8	03 JAN 2019
ENR 1.8 - 9	03 JAN 2019
ENR 1.8 - 10	27 FEB 2020
ENR 1.8 - 11	27 FEB 2020
ENR 1.8 - 12	27 FEB 2020
ENR 1.8 - 13	27 FEB 2020
ENR 1.8 - 14	27 FEB 2020
ENR 1.8 - 15	03 JAN 2019
ENR 1.8 - 16	03 JAN 2019
ENR 1.8 - 17	03 JAN 2019
ENR 1.8 - 18	03 JAN 2019
ENR 1.8 - 19	03 JAN 2019
ENR 1.8 - 20	03 JAN 2019
ENR 1.9 - 1	22 JUN 2017
ENR 1.9 - 2	22 JUN 2017
ENR 1.9 - 3	22 JUN 2017
ENR 1.9 - 4	22 JUN 2017
ENR 1.9 - 5	22 JUN 2017
ENR 1.9 - 6	22 JUN 2017
ENR 1.9 - 7	22 JUN 2017
ENR 1.9 - 8	28 MAY 2015
ENR 1.9 - 9	28 MAY 2015
ENR 1.9 - 10	22 JUN 2017
ENR 1.9 - 11	22 JUN 2017

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Stranica	Datum	Stranica	Datum
ENR 1.9 - 12	22 JUN 2017	ENR 3.3 - 1	01 FEB 2018
ENR 1.9 - 13	22 JUN 2017	ENR 3.3 - 2	27 FEB 2020
ENR 1.9 - 14	22 JUN 2017	ENR 3.3 - 3	01 FEB 2018
ENR 1.9 - 15	22 JUN 2017	ENR 3.3 - 4	25 APR 2019
ENR 1.9 - 16	22 JUN 2017	ENR 3.3 - 5	01 FEB 2018
ENR 1.9 - 17	22 JUN 2017	ENR 3.3 - 6	27 FEB 2020
ENR 1.9 - 18	22 JUN 2017	ENR 3.3 - 7	24 MAY 2018
ENR 1.9 - 19	22 JUN 2017	ENR 3.3 - 8	27 FEB 2020
ENR 1.9 - 20	22 JUN 2017	ENR 3.3 - 9	01 FEB 2018
ENR 1.9 - 21	22 JUN 2017	ENR 3.3 - 10	01 FEB 2018
ENR 1.9 - 22	22 JUN 2017	ENR 3.3 - 11	01 FEB 2018
ENR 1.9 - 23	22 JUN 2017	ENR 3.3 - 12	27 FEB 2020
ENR 1.9 - 24	24 MAY 2018	ENR 3.3 - 13	01 FEB 2018
ENR 1.9 - 25	22 JUN 2017	ENR 3.3 - 14	01 FEB 2018
ENR 1.9 - 26	22 JUN 2017	ENR 3.3 - 15	27 FEB 2020
ENR 1.9 - 27	22 JUN 2017	ENR 3.3 - 16	01 FEB 2018
ENR 1.9 - 28	22 JUN 2017	ENR 3.3 - 17	01 FEB 2018
ENR 1.10 - 1	26 OCT 2015	ENR 3.3 - 18	01 FEB 2018
ENR 1.10 - 2	26 OCT 2015	ENR 3.3 - 19	24 MAY 2018
ENR 1.10 - 3	26 OCT 2015	ENR 3.3 - 20	30 JAN 2020
ENR 1.10 - 4	26 OCT 2015	ENR 3.3 - 21	01 FEB 2018
ENR 1.10 - 5	26 OCT 2015	ENR 3.3 - 22	24 MAY 2018
ENR 1.10 - 6	26 OCT 2015	ENR 3.3 - 23	24 MAY 2018
ENR 1.10 - 7	26 OCT 2015	ENR 3.3 - 24	01 FEB 2018
ENR 1.10 - 8	26 OCT 2015	ENR 3.3 - 25	01 FEB 2018
ENR 1.10 - 9	01 FEB 2018	ENR 3.3 - 26	01 FEB 2018
ENR 1.10 - 10	01 FEB 2018	ENR 3.3 - 27	01 FEB 2018
ENR 1.10 - 11	26 OCT 2015	ENR 3.3 - 28	01 FEB 2018
ENR 1.10 - 12	26 OCT 2015	ENR 3.3 - 29	01 FEB 2018
ENR 1.10 - 13	26 OCT 2015	ENR 3.3 - 30	27 FEB 2020
ENR 1.10 - 14	26 OCT 2015	ENR 3.3 - 31	01 FEB 2018
ENR 1.10 - 15	26 OCT 2015	ENR 3.3 - 32	01 FEB 2018
ENR 1.10 - 16	26 OCT 2015	ENR 3.3 - 33	01 FEB 2018
ENR 1.10 - 17	26 OCT 2015	ENR 3.3 - 34	01 FEB 2018
ENR 1.10 - 18	01 FEB 2018	ENR 3.3 - 35	01 FEB 2018
ENR 1.10 - 19	25 APR 2019	ENR 3.3 - 36	25 APR 2019
ENR 1.10 - 20	25 APR 2019	ENR 3.4 - 1	08 MAR 2012
ENR 1.10 - 21	01 FEB 2018	ENR 3.4 - 2	08 MAR 2012
ENR 1.10 - 22	01 FEB 2018	ENR 3.5 - 1	08 MAR 2012
ENR 1.11 - 1	23 MAY 2019	ENR 3.5 - 2	08 MAR 2012
ENR 1.11 - 2	23 MAY 2019	ENR 3.6 - 1	08 MAR 2012
ENR 1.12 - 1	08 MAR 2012	ENR 3.6 - 2	08 MAR 2012
ENR 1.12 - 2	08 MAR 2012	ENR 4.1 - 1	27 FEB 2020
ENR 1.12 - 3	08 MAR 2012	ENR 4.1 - 2	27 FEB 2020
ENR 1.12 - 4	08 MAR 2012	ENR 4.2 - 1	08 MAR 2012
ENR 1.13 - 1	30 APR 2015	ENR 4.2 - 2	08 MAR 2012
ENR 1.13 - 2	30 APR 2015	ENR 4.3 - 1	30 MAR 2017
ENR 1.14 - 1	18 OCT 2012	ENR 4.3 - 2	08 MAR 2012
ENR 1.14 - 2	29 MAY 2014	ENR 4.4 - 1	27 FEB 2020
ENR 1.14 - 3	18 OCT 2012	ENR 4.4 - 2	27 FEB 2020
ENR 1.14 - 4	18 OCT 2012	ENR 4.4 - 3	27 FEB 2020
ENR 2.1 - 1	27 FEB 2020	ENR 4.4 - 4	27 FEB 2020
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ENR 2.1 - 4	26 MAY 2016	ENR 4.4 - 7	27 FEB 2020
ENR 2.1 - 5	25 MAY 2017	ENR 4.4 - 8	27 FEB 2020
ENR 2.1 - 6	11 OCT 2018	ENR 4.4 - 9	27 FEB 2020
ENR 2.1 - 7	25 MAY 2017	ENR 4.4 - 10	27 FEB 2020
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ENR 3.1 - 2	25 APR 2019	ENR 5.1 - 5	01 MAR 2018
ENR 3.1 - 3	25 APR 2019	ENR 5.1 - 6	01 MAR 2018
ENR 3.1 - 4	25 APR 2019	ENR 5.1 - 7	01 MAR 2018
ENR 3.1 - 5	25 APR 2019	ENR 5.1 - 8	01 MAR 2018
ENR 3.1 - 6	23 MAY 2019	ENR 5.1 - 9	01 MAR 2018
ENR 3.2 - 1	01 FEB 2018	ENR 5.1 - 10	01 MAR 2018
ENR 3.2 - 2	01 FEB 2018	ENR 5.1 - 11	01 MAR 2018

Stranica	Datum
ENR 5.1 - 12	01 MAR 2018
ENR 5.1 - 13	01 MAR 2018
ENR 5.1 - 14	01 MAR 2018
ENR 5.1 - 15	01 MAR 2018
ENR 5.1 - 16	01 MAR 2018
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ENR 5.2 - 30	24 MAY 2018
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ENR 5.2 - 37	24 MAY 2018
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ENR 5.2 - 40	24 MAY 2018
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ENR 5.2 - 47	24 MAY 2018
ENR 5.2 - 48	24 MAY 2018
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ENR 5.3 - 1	13 DEC 2012
ENR 5.3 - 2	08 MAR 2012
ENR 5.4 - 1	30 MAR 2017
ENR 5.4 - 2	08 MAR 2012
ENR 5.5 - 1	01 MAR 2018
ENR 5.5 - 2	13 APR 2012
ENR 5.5 - 3	25 APR 2019
ENR 5.5 - 4	25 APR 2019
ENR 5.5 - 5	25 APR 2019
ENR 5.5 - 6	25 APR 2019

Stranica	Datum
ENR 5.6 - 1	08 MAR 2012
ENR 5.6 - 2	06 DEC 2019
ENR 6 - 1	01 MAR 2018
ENR 6 - 2	08 MAR 2012
ENR 6.1 - 1	27 FEB 2020
ENR 6.2 - 1	27 FEB 2020
ENR 6.3 - 1	08 MAR 2012
ENR 6.3 - 2	08 MAR 2012
ENR 6.4 - 1	18 JUL 2019
ENR 6.4 - 2	18 JUL 2019
ENR 6.5 - 1	01 FEB 2018
ENR 6.5 - 2	01 FEB 2018
ENR 6.6 - 1	08 MAR 2012
ENR 6.6 - 2	08 MAR 2012
ENR 6.7 - 1	18 JUL 2019
ENR 6.7 - 2	18 JUL 2019
ENR 6.8 - 1	12 SEP 2019
ENR 6.8 - 2	12 SEP 2019
ENR 6.9 - 1	08 MAR 2012
ENR 6.9 - 2	08 MAR 2012
ENR 6.10 - 1	08 MAR 2012
ENR 6.10 - 2	08 MAR 2012
ENR 6.11 - 1	27 FEB 2020
ENR 6.11 - 2	27 FEB 2020
ENR 6.12 - 1	01 MAR 2018
ENR 6.12 - 2	01 MAR 2018

PART 3 - AERODROMES (AD)

AD 0.1 - 1	08 MAR 2012
AD 0.1 - 2	08 MAR 2012
AD 0.2 - 1	08 MAR 2012
AD 0.2 - 2	08 MAR 2012
AD 0.3 - 1	08 MAR 2012
AD 0.3 - 2	08 MAR 2012
AD 0.4 - 1	08 MAR 2012
AD 0.4 - 2	08 MAR 2012
AD 0.5 - 1	08 MAR 2012
AD 0.5 - 2	08 MAR 2012
AD 0.6 - 1	27 FEB 2020
AD 0.6 - 2	27 FEB 2020
AD 0.6 - 3	27 FEB 2020
AD 0.6 - 4	27 FEB 2020
AD 0.6 - 5	27 FEB 2020
AD 0.6 - 6	27 FEB 2020
AD 0.6 - 7	27 FEB 2020
AD 0.6 - 8	27 FEB 2020
AD 0.6 - 9	27 FEB 2020
AD 0.6 - 10	27 FEB 2020
AD 1.1 - 1	07 DEC 2017
AD 1.1 - 2	27 FEB 2020
AD 1.1 - 3	07 DEC 2017
AD 1.1 - 4	07 DEC 2017
AD 1.1 - 5	07 DEC 2017
AD 1.1 - 6	08 MAR 2012
AD 1.2 - 1	10 OCT 2019
AD 1.2 - 2	08 MAR 2012
AD 1.3 - 1	19 JUL 2019
AD 1.3 - 2	10 OCT 2019
AD 1.4 - 1	07 DEC 2017
AD 1.4 - 2	08 MAR 2012
AD 1.5 - 1	10 OCT 2019
AD 1.5 - 2	08 MAR 2012
LDDU AD 2 - 1	28 MAR 2019
LDDU AD 2 - 2	14 SEP 2017
LDDU AD 2 - 3	18 JUL 2019
LDDU AD 2 - 4	20 JUN 2019
LDDU AD 2 - 5	30 JAN 2020
LDDU AD 2 - 6	20 JUN 2019
LDDU AD 2 - 7	23 MAY 2019
LDDU AD 2 - 8	06 DEC 2019
LDDU AD 2 - 9	28 MAR 2019
LDDU AD 2 - 10	27 FEB 2020
LDDU AD 2 - 11	27 FEB 2020
LDDU AD 2 - 12	28 MAR 2019
LDDU AD 2 - 13	28 MAR 2019

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Stranica	Datum
LDDU AD 2 - 14	28 MAR 2019
LDDU AD 2 - 15	28 MAR 2019
LDDU AD 2 - 16	05 DEC 2019
LDDU AD 2.24.1 ADC - 1	28 MAR 2019
LDDU AD 2.24.1 ADC - 2	28 MAR 2019
LDDU AD 2.24.2 APDC - 1	28 MAR 2019
LDDU AD 2.24.2 APDC - 2	28 MAR 2019
LDDU AD 2.24.4 AOC RWY 11 - 1	28 MAR 2019
LDDU AD 2.24.4 AOC RWY 29 - 1	28 MAR 2019
LDDU AD 2.24.8 SID RWY 11 - 1	28 MAR 2019
LDDU AD 2.24.8 SID RWY 11 - 2	28 MAR 2019
LDDU AD 2.24.8 SID RNAV RWY 11 - 1	05 DEC 2019
LDDU AD 2.24.8 SID RNAV RWY 11 - 2	05 DEC 2019
LDDU AD 2.24.8 SID RWY 29 - 1	28 MAR 2019
LDDU AD 2.24.8 SID RWY 29 - 2	28 MAR 2019
LDDU AD 2.24.8 SID RNAV RWY 29 - 1	05 DEC 2019
LDDU AD 2.24.8 SID RNAV RWY 29 - 2	05 DEC 2019
LDDU AD 2.24.10 STAR RWY 11/29 - 1	28 MAR 2019
LDDU AD 2.24.10 STAR RWY 11/29 - 2	28 MAR 2019
LDDU AD 2.24.10 STAR RNAV RWY 11 - 1	05 DEC 2019
LDDU AD 2.24.10 STAR RNAV RWY 11 - 2	05 DEC 2019
LDDU AD 2.24.10 STAR RNAV RWY 11 - 3	05 DEC 2019
LDDU AD 2.24.10 STAR RNAV RWY 11 - 4	05 DEC 2019
LDDU AD 2.24.10 STAR RNAV RWY 11 - 5	05 DEC 2019
LDDU AD 2.24.10 STAR RNAV RWY 11 - 6	05 DEC 2019
LDDU AD 2.24.10 STAR RNAV RWY 29 - 1	05 DEC 2019
LDDU AD 2.24.10 STAR RNAV RWY 29 - 2	05 DEC 2019
LDDU AD 2.24.10 STAR RNAV RWY 29 - 3	05 DEC 2019
LDDU AD 2.24.10 STAR RNAV RWY 29 - 4	05 DEC 2019
LDDU AD 2.24.11 ATCSMAC - 1	28 MAR 2019
LDDU AD 2.24.11 ATCSMAC - 2	28 MAR 2019
LDDU AD 2.24.12 IAC L RWY 11 - 1	28 MAR 2019
LDDU AD 2.24.12 IAC L RWY 11 - 2	28 MAR 2019
LDDU AD 2.24.12 IAC VOR RWY 11 - 1	28 MAR 2019
LDDU AD 2.24.12 IAC VOR RWY 11 - 2	28 MAR 2019
LDDU AD 2.24.12 IAC ILS or LOC RWY 11 - 1	12 SEP 2019
LDDU AD 2.24.12 IAC ILS or LOC RWY 11 - 2	12 SEP 2019
LDDU AD 2.24.12 IAC VOR-a RWY 29 - 1	28 MAR 2019
LDDU AD 2.24.12 IAC VOR-a RWY 29 - 2	28 MAR 2019
LDDU AD 2.24.12 IAC RNAV (GNSS) RWY 11 - 1	28 MAR 2019
LDDU AD 2.24.12 IAC RNAV (GNSS) RWY 11 - 2	28 MAR 2019
LDDU AD 2.24.12 IAC RNAV (GNSS) RWY 11 - 3	28 MAR 2019
LDDU AD 2.24.12 IAC RNAV (GNSS) RWY 11 - 4	28 MAR 2019
LDDU AD 2.24.12 IAC RNAV (RNP) RWY 29 - 1	28 MAR 2019
LDDU AD 2.24.12 IAC RNAV (RNP) RWY 29 - 2	28 MAR 2019
LDDU AD 2.24.12 VMCC (IFR) RWY 29 - 1	28 MAR 2019
LDDU AD 2.24.12 VMCC (IFR) RWY 29 - 2	28 MAR 2019
LDDU AD 2.24.13 VOC - 1	28 MAR 2019
LDDU AD 2.24.13 VOC - 2	28 MAR 2019
LDDU AD 2.24.14 BC - 1	28 MAR 2019
LDDU AD 2.24.14 BC - 2	28 MAR 2019
LDLO AD 2 - 1	06 DEC 2019
LDLO AD 2 - 2	25 APR 2019
LDLO AD 2 - 3	25 APR 2019
LDLO AD 2 - 4	30 JAN 2020
LDLO AD 2 - 5	25 APR 2019
LDLO AD 2 - 6	25 APR 2019
LDLO AD 2 - 7	20 JUN 2019
LDLO AD 2 - 8	28 MAR 2019
LDLO AD 2 - 9	20 JUN 2019
LDLO AD 2 - 10	20 JUN 2019
LDLO AD 2 - 11	28 MAR 2019
LDLO AD 2 - 12	28 MAR 2019
LDLO AD 2 - 13	28 MAR 2019
LDLO AD 2 - 14	20 JUN 2019
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LDLO AD 2.24.1 ADC - 2	25 APR 2019
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	28 MAR 2019
LDLO AD 2.24.8 SID RWY 02 - 2	28 MAR 2019
LDLO AD 2.24.8 SID RWY 20 - 1	28 MAR 2019
LDLO AD 2.24.8 SID RWY 20 - 2	28 MAR 2019
LDLO AD 2.24.10 STAR RWY 02/20 - 1	20 JUN 2019
LDLO AD 2.24.10 STAR RWY 02/20 - 2	20 JUN 2019
LDLO AD 2.24.12 IAC NDB-a RWY 02/20 CAT A&B - 1	28 MAR 2019
LDLO AD 2.24.12 IAC NDB-a RWY 02/20 CAT A&B - 2	28 MAR 2019
LDLO AD 2.24.12 IAC VOR RWY 02 CatAB - 1	20 JUN 2019
LDLO AD 2.24.12 IAC VOR RWY 02 CatAB - 2	20 JUN 2019
LDLO AD 2.24.13 VOC - 1	25 APR 2019
LDLO AD 2.24.13 VOC - 2	25 APR 2019

Stranica	Datum
LDOS AD 2 - 1	25 APR 2019
LDOS AD 2 - 2	28 FEB 2019
LDOS AD 2 - 3	18 JUL 2019
LDOS AD 2 - 4	28 FEB 2019
LDOS AD 2 - 5	30 JAN 2020
LDOS AD 2 - 6	20 JUN 2019
LDOS AD 2 - 7	20 JUN 2019
LDOS AD 2 - 8	20 JUN 2019
LDOS AD 2 - 9	20 JUN 2019
LDOS AD 2 - 10	20 JUN 2019
LDOS AD 2 - 11	25 APR 2019
LDOS AD 2 - 12	25 APR 2019
LDOS AD 2 - 13	25 APR 2019
LDOS AD 2 - 14	20 JUN 2019
LDOS AD 2.24.1 ADC - 1	20 JUN 2019
LDOS AD 2.24.1 ADC - 2	20 JUN 2019
LDOS AD 2.24.2 APDC - 1	20 JUN 2019
LDOS AD 2.24.2 APDC - 2	20 JUN 2019
LDOS AD 2.24.4 AOC RWY 11/29 - 1	20 JUN 2019
LDOS AD 2.24.8 SID RWY 11 - 1	25 APR 2019
LDOS AD 2.24.8 SID RWY 11 - 2	25 APR 2019
LDOS AD 2.24.8 SID RNAV RWY 11 - 1	25 APR 2019
LDOS AD 2.24.8 SID RNAV RWY 11 - 2	25 APR 2019
LDOS AD 2.24.8 SID RWY 29 - 1	25 APR 2019
LDOS AD 2.24.8 SID RWY 29 - 2	25 APR 2019
LDOS AD 2.24.8 SID RNAV RWY 29 - 1	25 APR 2019
LDOS AD 2.24.8 SID RNAV RWY 29 - 2	25 APR 2019
LDOS AD 2.24.10 STAR RWY 11 - 1	25 APR 2019
LDOS AD 2.24.10 STAR RWY 11 - 2	25 APR 2019
LDOS AD 2.24.10 STAR RNAV RWY 11 - 1	25 APR 2019
LDOS AD 2.24.10 STAR RNAV RWY 11 - 2	25 APR 2019
LDOS AD 2.24.10 STAR RWY 29 - 1	25 APR 2019
LDOS AD 2.24.10 STAR RWY 29 - 2	25 APR 2019
LDOS AD 2.24.12 IAC L RWY 11 - 1	25 APR 2019
LDOS AD 2.24.12 IAC L RWY 11 - 2	25 APR 2019
LDOS AD 2.24.12 IAC ILS or LOC RWY 11 - 1	20 JUN 2019
LDOS AD 2.24.12 IAC ILS or LOC RWY 11 - 2	20 JUN 2019
LDOS AD 2.24.12 IAC NDBy RWY 11 - 1	25 APR 2019
LDOS AD 2.24.12 IAC NDBy RWY 11 - 2	25 APR 2019
LDOS AD 2.24.12 IAC NDBz RWY 11 - 1	25 APR 2019
LDOS AD 2.24.12 IAC NDBz RWY 11 - 2	25 APR 2019
LDOS AD 2.24.12 IAC NDB RWY 29 - 1	07 NOV 2019
LDOS AD 2.24.12 IAC NDB RWY 29 - 2	07 NOV 2019
LDOS AD 2.24.12 IAC ILSx or LOCx RWY 29 CAT A&B - 1	25 APR 2019
LDOS AD 2.24.12 IAC ILSx or LOCx RWY 29 CAT A&B - 2	25 APR 2019
LDOS AD 2.24.12 IAC ILSy or LOCy RWY 29 - 1	25 APR 2019
LDOS AD 2.24.12 IAC ILSy or LOCy RWY 29 - 2	25 APR 2019
LDOS AD 2.24.12 IAC RNAV (GNSS) RWY 11 - 1	25 APR 2019
LDOS AD 2.24.12 IAC RNAV (GNSS) RWY 11 - 2	25 APR 2019
LDOS AD 2.24.12 IAC RNAV (GNSS) RWY 11 - 3	25 APR 2019
LDOS AD 2.24.12 IAC RNAV (GNSS) RWY 11 - 4	25 APR 2019
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LDPL AD 2 - 2	06 DEC 2019
LDPL AD 2 - 3	18 JUL 2019
LDPL AD 2 - 4	26 APR 2018
LDPL AD 2 - 5	28 MAR 2019
LDPL AD 2 - 6	30 JAN 2020
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LDPL AD 2 - 8	28 MAR 2019
LDPL AD 2 - 9	28 MAR 2019
LDPL AD 2 - 10	20 JUN 2019
LDPL AD 2 - 11	20 JUN 2019
LDPL AD 2 - 12	20 JUN 2019
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LDPL AD 2.24.1 ADC - 2	28 MAR 2019
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LDPL AD 2.24.2 APDC - 2	28 MAR 2019
LDPL AD 2.24.4 AOC RWY 09/27 - 1	28 MAR 2019
LDPL AD 2.24.8 SID RWY 09 - 1	28 MAR 2019
LDPL AD 2.24.8 SID RWY 09 - 2	28 MAR 2019
LDPL AD 2.24.8 SID RNAV RWY 09 - 1	30 JAN 2020
LDPL AD 2.24.8 SID RNAV RWY 09 - 2	30 JAN 2020
LDPL AD 2.24.8 SID RNAV RWY 09 - 3	30 JAN 2020
LDPL AD 2.24.8 SID RNAV RWY 09 - 4	30 JAN 2020
LDPL AD 2.24.8 SID RWY 27 - 1	28 MAR 2019
LDPL AD 2.24.8 SID RWY 27 - 2	28 MAR 2019

Stranica	Datum
LDPL AD 2.24.8 SID RNAV RWY 27 - 1	30 JAN 2020
LDPL AD 2.24.8 SID RNAV RWY 27 - 2	30 JAN 2020
LDPL AD 2.24.8 SID RNAV RWY 27 - 3	30 JAN 2020
LDPL AD 2.24.8 SID RNAV RWY 27 - 4	30 JAN 2020
LDPL AD 2.24.10 STAR RWY 09/27 - 1	30 JAN 2020
LDPL AD 2.24.10 STAR RWY 09/27 - 2	30 JAN 2020
LDPL AD 2.24.10 STAR RNAV RWY 09 - 1	30 JAN 2020
LDPL AD 2.24.10 STAR RNAV RWY 09 - 2	30 JAN 2020
LDPL AD 2.24.10 STAR RNAV RWY 09 - 3	30 JAN 2020
LDPL AD 2.24.10 STAR RNAV RWY 09 - 4	30 JAN 2020
LDPL AD 2.24.10 STAR RNAV RWY 27 - 1	30 JAN 2020
LDPL AD 2.24.10 STAR RNAV RWY 27 - 2	30 JAN 2020
LDPL AD 2.24.10 STAR RNAV RWY 27 - 3	30 JAN 2020
LDPL AD 2.24.10 STAR RNAV RWY 27 - 4	30 JAN 2020
LDPL AD 2.24.11 ATCSMAC - 1	28 MAR 2019
LDPL AD 2.24.11 ATCSMAC - 2	28 MAR 2019
LDPL AD 2.24.12 IAC L RWY 09 - 1	28 MAR 2019
LDPL AD 2.24.12 IAC L RWY 09 - 2	28 MAR 2019
LDPL AD 2.24.12 IAC VOR RWY 09 - 1	28 MAR 2019
LDPL AD 2.24.12 IAC VOR RWY 09 - 2	28 MAR 2019
LDPL AD 2.24.12 IAC NDBy RWY 27 - 1	30 JAN 2020
LDPL AD 2.24.12 IAC NDBy RWY 27 - 2	30 JAN 2020
LDPL AD 2.24.12 IAC NDBz RWY 27 CAT A/B - 1	28 MAR 2019
LDPL AD 2.24.12 IAC NDBz RWY 27 CAT A/B - 2	28 MAR 2019
LDPL AD 2.24.12 IAC VOR RWY 27 - 1	30 JAN 2020
LDPL AD 2.24.12 IAC VOR RWY 27 - 2	30 JAN 2020
LDPL AD 2.24.12 IAC ILS or LOC RWY 27 - 1	30 JAN 2020
LDPL AD 2.24.12 IAC ILS or LOC RWY 27 - 2	30 JAN 2020
LDPL AD 2.24.12 IAC RNAV (GNSS) RWY 09 - 1	30 JAN 2020
LDPL AD 2.24.12 IAC RNAV (GNSS) RWY 09 - 2	30 JAN 2020
LDPL AD 2.24.12 IAC RNAV (GNSS) RWY 09 - 3	30 JAN 2020
LDPL AD 2.24.12 IAC RNAV (GNSS) RWY 09 - 4	30 JAN 2020
LDPL AD 2.24.12 IAC RNAV (GNSS) RWY 27 - 1	30 JAN 2020
LDPL AD 2.24.12 IAC RNAV (GNSS) RWY 27 - 2	30 JAN 2020
LDPL AD 2.24.12 IAC RNAV (GNSS) RWY 27 - 3	30 JAN 2020
LDPL AD 2.24.12 IAC RNAV (GNSS) RWY 27 - 4	30 JAN 2020
LDPL AD 2.24.13 VOC - 1	25 APR 2019
LDPL AD 2.24.13 VOC - 2	25 APR 2019
LDPL AD 2.24.14 BC - 1	08 MAR 2012
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LDRI AD 2 - 1	28 MAR 2019
LDRI AD 2 - 2	06 DEC 2019
LDRI AD 2 - 3	26 APR 2018
LDRI AD 2 - 4	30 JAN 2020
LDRI AD 2 - 5	20 JUN 2019
LDRI AD 2 - 6	09 NOV 2017
LDRI AD 2 - 7	28 MAR 2019
LDRI AD 2 - 8	28 MAR 2019
LDRI AD 2 - 9	30 JAN 2020
LDRI AD 2 - 10	30 JAN 2020
LDRI AD 2 - 11	30 JAN 2020
LDRI AD 2 - 12	30 JAN 2020
LDRI AD 2.24.1 ADC - 1	28 MAR 2019
LDRI AD 2.24.1 ADC - 2	28 MAR 2019
LDRI AD 2.24.2 APDC - 1	28 MAR 2019
LDRI AD 2.24.2 APDC - 2	28 MAR 2019
LDRI AD 2.24.4 AOC RWY 14/32 - 1	28 MAR 2019
LDRI AD 2.24.8 SID RWY 14 - 1	30 JAN 2020
LDRI AD 2.24.8 SID RWY 14 - 2	30 JAN 2020
LDRI AD 2.24.8 SID RNAV RWY 14 - 1	30 JAN 2020
LDRI AD 2.24.8 SID RNAV RWY 14 - 2	30 JAN 2020
LDRI AD 2.24.8 SID RNAV RWY 14 - 3	30 JAN 2020
LDRI AD 2.24.8 SID RNAV RWY 14 - 4	30 JAN 2020
LDRI AD 2.24.8 SID RWY 32 - 1	30 JAN 2020
LDRI AD 2.24.8 SID RWY 32 - 2	30 JAN 2020
LDRI AD 2.24.8 SID RNAV RWY 32 - 1	30 JAN 2020
LDRI AD 2.24.8 SID RNAV RWY 32 - 2	30 JAN 2020
LDRI AD 2.24.8 SID RNAV RWY 32 - 3	30 JAN 2020
LDRI AD 2.24.8 SID RNAV RWY 32 - 4	30 JAN 2020
LDRI AD 2.24.10 STAR RWY 14/32 - 1	30 JAN 2020
LDRI AD 2.24.10 STAR RWY 14/32 - 2	30 JAN 2020
LDRI AD 2.24.10 STAR RNAV RWY 14 - 1	30 JAN 2020
LDRI AD 2.24.10 STAR RNAV RWY 14 - 2	30 JAN 2020
LDRI AD 2.24.10 STAR RNAV RWY 32 - 1	30 JAN 2020
LDRI AD 2.24.10 STAR RNAV RWY 32 - 2	30 JAN 2020
LDRI AD 2.24.12 IAC L RWY 14 - 1	28 MAR 2019
LDRI AD 2.24.12 IAC L RWY 14 - 2	28 MAR 2019
LDRI AD 2.24.12 IAC VOR RWY 14 - 1	28 MAR 2019
LDRI AD 2.24.12 IAC VOR RWY 14 - 2	28 MAR 2019
LDRI AD 2.24.12 IAC ILS or LOC RWY 14 - 1	28 MAR 2019
LDRI AD 2.24.12 IAC ILS or LOC RWY 14 - 2	28 MAR 2019
LDRI AD 2.24.12 IAC Ly RWY 32 - 1	28 MAR 2019

Stranica	Datum
LDRI AD 2.24.12 IAC Ly RWY 32 - 2	28 MAR 2019
LDRI AD 2.24.12 IAC Lz RWY 32 - 1	28 MAR 2019
LDRI AD 2.24.12 IAC Lz RWY 32 - 2	28 MAR 2019
LDRI AD 2.24.12 IAC VOR RWY 32 - 1	28 MAR 2019
LDRI AD 2.24.12 IAC VOR RWY 32 - 2	28 MAR 2019
LDRI AD 2.24.12 IAC RNAV (GNSS) RWY 14 - 1	05 DEC 2019
LDRI AD 2.24.12 IAC RNAV (GNSS) RWY 14 - 2	05 DEC 2019
LDRI AD 2.24.12 IAC RNAV (GNSS) RWY 14 - 3	05 DEC 2019
LDRI AD 2.24.12 IAC RNAV (GNSS) RWY 14 - 4	05 DEC 2019
LDRI AD 2.24.12 IAC RNAV (GNSS) RWY 32 - 1	05 DEC 2019
LDRI AD 2.24.12 IAC RNAV (GNSS) RWY 32 - 2	05 DEC 2019
LDRI AD 2.24.13 VOC - 1	28 MAR 2019
LDRI AD 2.24.13 VOC - 2	28 MAR 2019
LDSB AD 2 - 1	23 MAY 2019
LDSB AD 2 - 2	28 FEB 2019
LDSB AD 2 - 3	20 JUN 2019
LDSB AD 2 - 4	30 JAN 2020
LDSB AD 2 - 5	20 JUN 2019
LDSB AD 2 - 6	23 MAY 2019
LDSB AD 2 - 7	23 MAY 2019
LDSB AD 2 - 8	07 NOV 2019
LDSB AD 2 - 9	23 MAY 2019
LDSB AD 2 - 10	20 JUN 2019
LDSB AD 2 - 11	05 DEC 2019
LDSB AD 2 - 12	13 NOV 2014
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LDSB AD 2.24.1 ADC - 2	20 JUN 2019
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 04/22 - 1	20 JUN 2019
LDSB AD 2.24.8 SID RWY 04 CAT A/B&C - 1	23 MAY 2019
LDSB AD 2.24.8 SID RWY 04 CAT A/B&C - 2	23 MAY 2019
LDSB AD 2.24.8 SID RNAV RWY 04 - 1	05 DEC 2019
LDSB AD 2.24.8 SID RNAV RWY 04 - 2	05 DEC 2019
LDSB AD 2.24.8 SID RWY 22 CAT A/B&C - 1	05 DEC 2019
LDSB AD 2.24.8 SID RWY 22 CAT A/B&C - 2	05 DEC 2019
LDSB AD 2.24.8 SID RNAV RWY 22 - 1	05 DEC 2019
LDSB AD 2.24.8 SID RNAV RWY 22 - 2	05 DEC 2019
LDSB AD 2.24.10 STAR RWY 04/22 CAT A/B&C - 1	23 MAY 2019
LDSB AD 2.24.10 STAR RWY 04/22 CAT A/B&C - 2	23 MAY 2019
LDSB AD 2.24.10 STAR RNAV RWY 04/22 - 1	05 DEC 2019
LDSB AD 2.24.10 STAR RNAV RWY 04/22 - 2	05 DEC 2019
LDSB AD 2.24.12 IAC NDB RWY 04 - 1	23 MAY 2019
LDSB AD 2.24.12 IAC NDB RWY 04 - 2	23 MAY 2019
LDSB AD 2.24.12 IAC VOR-a RWY 04/22 - 1	23 MAY 2019
LDSB AD 2.24.12 IAC VOR-a RWY 04/22 - 2	23 MAY 2019
LDSB AD 2.24.12 IAC NDB-a RWY 22 - 1	23 MAY 2019
LDSB AD 2.24.12 IAC NDB-a RWY 22 - 2	23 MAY 2019
LDSB AD 2.24.12 IAC NDB RWY 22 - 1	23 MAY 2019
LDSB AD 2.24.12 IAC NDB RWY 22 - 2	23 MAY 2019
LDSB AD 2.24.12 IAC RNAV (GNSS) RWY 04 - 1	05 DEC 2019
LDSB AD 2.24.12 IAC RNAV (GNSS) RWY 04 - 2	05 DEC 2019
LDSB AD 2.24.12 IAC RNAV (GNSS) RWY 04 - 3	05 DEC 2019
LDSB AD 2.24.12 IAC RNAV (GNSS) RWY 04 - 4	05 DEC 2019
LDSB AD 2.24.12 IAC RNAV (GNSS) RWY 22 - 1	05 DEC 2019
LDSB AD 2.24.12 IAC RNAV (GNSS) RWY 22 - 2	05 DEC 2019
LDSB AD 2.24.12 IAC RNAV (GNSS) RWY 22 - 3	05 DEC 2019
LDSB AD 2.24.12 IAC RNAV (GNSS) RWY 22 - 4	05 DEC 2019
LDSB AD 2.24.13 VOC - 1	23 MAY 2019
LDSB AD 2.24.13 VOC - 2	23 MAY 2019
LDSP AD 2 - 1	23 MAY 2019
LDSP AD 2 - 2	23 MAY 2019
LDSP AD 2 - 3	23 MAY 2019
LDSP AD 2 - 4	21 JUN 2018
LDSP AD 2 - 5	30 JAN 2020
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LDSP AD 2 - 9	23 MAY 2019
LDSP AD 2 - 10	03 JAN 2019
LDSP AD 2 - 11	03 JAN 2019
LDSP AD 2 - 12	05 DEC 2019
LDSP AD 2 - 13	05 DEC 2019
LDSP AD 2 - 14	05 DEC 2019
LDSP AD 2 - 15	05 DEC 2019
LDSP AD 2 - 16	23 MAY 2019
LDSP AD 2 - 17	23 MAY 2019
LDSP AD 2 - 18	23 MAY 2019
LDSP AD 2 - 19	05 DEC 2019
LDSP AD 2 - 20	28 APR 2016
LDSP AD 2.24.1 ADC - 1	23 MAY 2019
LDSP AD 2.24.1 ADC - 2	23 MAY 2019

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Stranica	Datum
LDSP AD 2.24.2 APDC - 1	20 JUN 2019
LDSP AD 2.24.2 APDC - 2	20 JUN 2019
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	23 MAY 2019
LDSP AD 2.24.8 SID RWY 05 - 2	23 MAY 2019
LDSP AD 2.24.8 SID RNAV RWY 05 - 1	05 DEC 2019
LDSP AD 2.24.8 SID RNAV RWY 05 - 2	05 DEC 2019
LDSP AD 2.24.8 SID RNAV RWY 05 - 3	05 DEC 2019
LDSP AD 2.24.8 SID RNAV RWY 05 - 4	05 DEC 2019
LDSP AD 2.24.8 SID RWY 23 - 1	23 MAY 2019
LDSP AD 2.24.8 SID RWY 23 - 2	23 MAY 2019
LDSP AD 2.24.8 SID RNAV RWY 23 - 1	05 DEC 2019
LDSP AD 2.24.8 SID RNAV RWY 23 - 2	05 DEC 2019
LDSP AD 2.24.8 SID RNAV RWY 23 - 3	05 DEC 2019
LDSP AD 2.24.8 SID RNAV RWY 23 - 4	05 DEC 2019
LDSP AD 2.24.10 STAR RWY 05 - 1	23 MAY 2019
LDSP AD 2.24.10 STAR RWY 05 - 2	23 MAY 2019
LDSP AD 2.24.10 STAR RNAV RWY 05 - 1	05 DEC 2019
LDSP AD 2.24.10 STAR RNAV RWY 05 - 2	05 DEC 2019
LDSP AD 2.24.10 STAR RNAV RWY 05 - 3	05 DEC 2019
LDSP AD 2.24.10 STAR RNAV RWY 05 - 4	05 DEC 2019
LDSP AD 2.24.10 STAR RWY 23 - 1	23 MAY 2019
LDSP AD 2.24.10 STAR RWY 23 - 2	23 MAY 2019
LDSP AD 2.24.10 STAR RNAV RWY 23 - 1	30 JAN 2020
LDSP AD 2.24.10 STAR RNAV RWY 23 - 2	30 JAN 2020
LDSP AD 2.24.10 STAR RNAV RWY 23 - 3	30 JAN 2020
LDSP AD 2.24.10 STAR RNAV RWY 23 - 4	30 JAN 2020
LDSP AD 2.24.10 STAR RNAV RWY 23 - 5	30 JAN 2020
LDSP AD 2.24.10 STAR RNAV RWY 23 - 6	30 JAN 2020
LDSP AD 2.24.11 ATCSMAC - 1	23 MAY 2019
LDSP AD 2.24.11 ATCSMAC - 2	23 MAY 2019
LDSP AD 2.24.12 IAC NDB RWY 05 - 1	23 MAY 2019
LDSP AD 2.24.12 IAC NDB RWY 05 - 2	23 MAY 2019
LDSP AD 2.24.12 IAC ILSy or LOCy RWY 05 - 1	23 MAY 2019
LDSP AD 2.24.12 IAC ILSy or LOCy RWY 05 - 2	23 MAY 2019
LDSP AD 2.24.12 IAC ILSz or LOCz RWY 05 - 1	23 MAY 2019
LDSP AD 2.24.12 IAC ILSz or LOCz RWY 05 - 2	23 MAY 2019
LDSP AD 2.24.12 IAC VOR-b RWY 23 - 1	23 MAY 2019
LDSP AD 2.24.12 IAC VOR-b RWY 23 - 2	23 MAY 2019
LDSP AD 2.24.12 IAC RNAV (GNSS) Z RWY 05 - 1	23 MAY 2019
LDSP AD 2.24.12 IAC RNAV (GNSS) Z RWY 05 - 2	23 MAY 2019
LDSP AD 2.24.12 IAC RNAV (GNSS) Z RWY 05 - 3	23 MAY 2019
LDSP AD 2.24.12 IAC RNAV (GNSS) Z RWY 05 - 4	23 MAY 2019
LDSP AD 2.24.12 IAC RNAV (GNSS) Y RWY 05 - 1	23 MAY 2019
LDSP AD 2.24.12 IAC RNAV (GNSS) Y RWY 05 - 2	23 MAY 2019
LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 - 1	23 MAY 2019
LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 - 2	23 MAY 2019
LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 - 3	23 MAY 2019
LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 - 4	23 MAY 2019
LDSP AD 2.24.13 VAC - 1	23 MAY 2019
LDSP AD 2.24.13 VAC - 2	23 MAY 2019
LDSP AD 2.24.13 VOC - 1	23 MAY 2019
LDSP AD 2.24.13 VOC - 2	23 MAY 2019
LDSP AD 2.24.14 BC - 1	08 MAR 2012
LDSP AD 2.24.14 BC - 2	08 MAR 2012
LDZA AD 2 - 1	27 FEB 2020
LDZA AD 2 - 2	18 JUL 2019
LDZA AD 2 - 3	30 JAN 2020
LDZA AD 2 - 4	18 JUL 2019
LDZA AD 2 - 5	27 FEB 2020
LDZA AD 2 - 6	27 FEB 2020
LDZA AD 2 - 7	27 FEB 2020
LDZA AD 2 - 8	27 FEB 2020
LDZA AD 2 - 9	27 FEB 2020
LDZA AD 2 - 10	10 OCT 2019
LDZA AD 2 - 11	27 FEB 2020
LDZA AD 2 - 12	27 FEB 2020
LDZA AD 2 - 13	27 FEB 2020
LDZA AD 2 - 14	27 FEB 2020
LDZA AD 2 - 15	27 FEB 2020
LDZA AD 2 - 16	27 FEB 2020
LDZA AD 2 - 17	27 FEB 2020
LDZA AD 2 - 18	19 JUL 2018
LDZA AD 2 - 19	27 FEB 2020
LDZA AD 2 - 20	27 FEB 2020
LDZA AD 2 - 21	27 FEB 2020
LDZA AD 2 - 22	27 FEB 2020
LDZA AD 2 - 23	27 FEB 2020
LDZA AD 2 - 24	25 APR 2019
LDZA AD 2 - 25	27 FEB 2020
LDZA AD 2 - 26	25 APR 2019

Stranica	Datum
LDZA AD 2.24.1 ADC - 1	27 FEB 2020
LDZA AD 2.24.1 ADC - 2	27 FEB 2020
LDZA AD 2.24.2 APDC EAST - 1	27 FEB 2020
LDZA AD 2.24.2 APDC EAST - 2	27 FEB 2020
LDZA AD 2.24.2 APDC WEST - 1	31 JAN 2019
LDZA AD 2.24.2 APDC WEST - 2	31 JAN 2019
LDZA AD 2.24.4 AOC RWY 04/22 - 1	08 MAR 2012
LDZA AD 2.24.6 PATC RWY 04 - 1	08 MAR 2012
LDZA AD 2.24.6 PATC RWY 04 - 2	08 MAR 2012
LDZA AD 2.24.8 SID RWY 04 - 1	27 FEB 2020
LDZA AD 2.24.8 SID RWY 04 - 2	27 FEB 2020
LDZA AD 2.24.8 SID RNAV RWY 04 - 1	27 FEB 2020
LDZA AD 2.24.8 SID RNAV RWY 04 - 2	27 FEB 2020
LDZA AD 2.24.8 SID RNAV RWY 04 - 3	27 FEB 2020
LDZA AD 2.24.8 SID RNAV RWY 04 - 4	27 FEB 2020
LDZA AD 2.24.8 SID RWY 22 - 1	27 FEB 2020
LDZA AD 2.24.8 SID RWY 22 - 2	27 FEB 2020
LDZA AD 2.24.8 SID RNAV RWY 22 - 1	27 FEB 2020
LDZA AD 2.24.8 SID RNAV RWY 22 - 2	27 FEB 2020
LDZA AD 2.24.8 SID RNAV RWY 22 - 3	27 FEB 2020
LDZA AD 2.24.8 SID RNAV RWY 22 - 4	27 FEB 2020
LDZA AD 2.24.10 STAR RWY 04 - 1	27 FEB 2020
LDZA AD 2.24.10 STAR RWY 04 - 2	27 FEB 2020
LDZA AD 2.24.10 STAR RNAV RWY 04 - 1	27 FEB 2020
LDZA AD 2.24.10 STAR RNAV RWY 04 - 2	27 FEB 2020
LDZA AD 2.24.10 STAR RNAV RWY 04 - 3	27 FEB 2020
LDZA AD 2.24.10 STAR RNAV RWY 04 - 4	27 FEB 2020
LDZA AD 2.24.10 STAR RWY 22 - 1	27 FEB 2020
LDZA AD 2.24.10 STAR RWY 22 - 2	27 FEB 2020
LDZA AD 2.24.10 STAR RNAV RWY 22 - 1	27 FEB 2020
LDZA AD 2.24.10 STAR RNAV RWY 22 - 2	27 FEB 2020
LDZA AD 2.24.10 STAR RNAV RWY 22 - 3	27 FEB 2020
LDZA AD 2.24.10 STAR RNAV RWY 22 - 4	27 FEB 2020
LDZA AD 2.24.11 ATCSMAC - 1	27 FEB 2020
LDZA AD 2.24.11 ATCSMAC - 2	27 FEB 2020
LDZA AD 2.24.12 IAC L RWY 04 - 1	27 FEB 2020
LDZA AD 2.24.12 IAC L RWY 04 - 2	27 FEB 2020
LDZA AD 2.24.12 IAC ILS or LOC RWY 04 - 1	27 FEB 2020
LDZA AD 2.24.12 IAC ILS or LOC RWY 04 - 2	27 FEB 2020
LDZA AD 2.24.12 IAC Ly RWY 22 - 1	27 FEB 2020
LDZA AD 2.24.12 IAC Ly RWY 22 - 2	27 FEB 2020
LDZA AD 2.24.12 IAC Lz RWY 22 - 1	27 FEB 2020
LDZA AD 2.24.12 IAC Lz RWY 22 - 2	27 FEB 2020
LDZA AD 2.24.12 IAC ILS or LOC RWY 22 - 1	27 FEB 2020
LDZA AD 2.24.12 IAC ILS or LOC RWY 22 - 2	27 FEB 2020
LDZA AD 2.24.12 IAC RNP RWY 04 - 1	27 FEB 2020
LDZA AD 2.24.12 IAC RNP RWY 04 - 2	27 FEB 2020
LDZA AD 2.24.12 IAC RNP RWY 04 - 3	27 FEB 2020
LDZA AD 2.24.12 IAC RNP RWY 04 - 4	27 FEB 2020
LDZA AD 2.24.12 IAC RNP RWY 22 - 1	27 FEB 2020
LDZA AD 2.24.12 IAC RNP RWY 22 - 2	27 FEB 2020
LDZA AD 2.24.12 IAC RNP RWY 22 - 3	27 FEB 2020
LDZA AD 2.24.12 IAC RNP RWY 22 - 4	27 FEB 2020
LDZA AD 2.24.13 VOC - 1	27 FEB 2020
LDZA AD 2.24.13 VOC - 2	27 FEB 2020
LDZA AD 2.24.14 BC - 1	19 JUL 2018
LDZA AD 2.24.14 BC - 2	19 JUL 2018
LDZD AD 2 - 1	23 MAY 2019
LDZD AD 2 - 2	23 MAY 2019
LDZD AD 2 - 3	23 MAY 2019
LDZD AD 2 - 4	10 OCT 2019
LDZD AD 2 - 5	23 MAY 2019
LDZD AD 2 - 6	30 JAN 2020
LDZD AD 2 - 7	23 MAY 2019
LDZD AD 2 - 8	23 MAY 2019
LDZD AD 2 - 9	23 MAY 2019
LDZD AD 2 - 10	20 JUN 2019
LDZD AD 2 - 11	23 MAY 2019
LDZD AD 2 - 12	27 FEB 2020
LDZD AD 2 - 13	27 FEB 2020
LDZD AD 2 - 14	27 FEB 2020
LDZD AD 2 - 15	27 FEB 2020
LDZD AD 2 - 16	27 FEB 2020
LDZD AD 2 - 17	27 FEB 2020
LDZD AD 2 - 18	27 FEB 2020
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 APR 2012
LDZD AD 2.24.4 AOC RWY 13/31 - 1	05 APR 2012
LDZD AD 2.24.8 SID RWY 04 - 1	27 FEB 2020

Stranica	Datum
LDZD AD 2.24.8 SID RWY 04 - 2	27 FEB 2020
LDZD AD 2.24.8 SID RNAV RWY 04 - 1	27 FEB 2020
LDZD AD 2.24.8 SID RNAV RWY 04 - 2	27 FEB 2020
LDZD AD 2.24.8 SID RNAV RWY 04 - 3	27 FEB 2020
LDZD AD 2.24.8 SID RNAV RWY 04 - 4	27 FEB 2020
LDZD AD 2.24.8 SID RWY 13 - 1	27 FEB 2020
LDZD AD 2.24.8 SID RWY 13 - 2	27 FEB 2020
LDZD AD 2.24.8 SID RNAV RWY 13 - 1	27 FEB 2020
LDZD AD 2.24.8 SID RNAV RWY 13 - 2	27 FEB 2020
LDZD AD 2.24.8 SID RNAV RWY 13 - 3	27 FEB 2020
LDZD AD 2.24.8 SID RNAV RWY 13 - 4	27 FEB 2020
LDZD AD 2.24.8 SID RWY 22 - 1	27 FEB 2020
LDZD AD 2.24.8 SID RWY 22 - 2	27 FEB 2020
LDZD AD 2.24.8 SID RNAV RWY 22 - 1	27 FEB 2020
LDZD AD 2.24.8 SID RNAV RWY 22 - 2	27 FEB 2020
LDZD AD 2.24.8 SID RWY 31 - 1	27 FEB 2020
LDZD AD 2.24.8 SID RWY 31 - 2	27 FEB 2020
LDZD AD 2.24.8 SID RNAV RWY 31 - 1	27 FEB 2020
LDZD AD 2.24.8 SID RNAV RWY 31 - 2	27 FEB 2020
LDZD AD 2.24.8 SID RNAV RWY 31 - 3	27 FEB 2020
LDZD AD 2.24.8 SID RNAV RWY 31 - 4	27 FEB 2020
LDZD AD 2.24.10 STAR RWY 04 & 13/31 - 1	27 FEB 2020
LDZD AD 2.24.10 STAR RWY 04 & 13/31 - 2	27 FEB 2020
LDZD AD 2.24.10 STAR RNAV RWY 04 - 1	27 FEB 2020
LDZD AD 2.24.10 STAR RNAV RWY 04 - 2	27 FEB 2020
LDZD AD 2.24.10 STAR RNAV RWY 04 - 3	27 FEB 2020
LDZD AD 2.24.10 STAR RNAV RWY 04 - 4	27 FEB 2020
LDZD AD 2.24.10 STAR RNAV RWY 13 - 1	27 FEB 2020
LDZD AD 2.24.10 STAR RNAV RWY 13 - 2	27 FEB 2020
LDZD AD 2.24.10 STAR RNAV RWY 13 - 3	27 FEB 2020
LDZD AD 2.24.10 STAR RNAV RWY 13 - 4	27 FEB 2020
LDZD AD 2.24.10 STAR RNAV RWY 31 - 1	27 FEB 2020
LDZD AD 2.24.10 STAR RNAV RWY 31 - 2	27 FEB 2020
LDZD AD 2.24.10 STAR RNAV RWY 31 - 3	27 FEB 2020
LDZD AD 2.24.10 STAR RNAV RWY 31 - 4	27 FEB 2020
LDZD AD 2.24.11 ATCSMAC - 1	27 FEB 2020
LDZD AD 2.24.11 ATCSMAC - 2	27 FEB 2020
LDZD AD 2.24.12 IAC VOR RWY 04 - 1	27 FEB 2020
LDZD AD 2.24.12 IAC VOR RWY 04 - 2	27 FEB 2020
LDZD AD 2.24.12 IAC Ly RWY 13 - 1	23 MAY 2019
LDZD AD 2.24.12 IAC Ly RWY 13 - 2	23 MAY 2019
LDZD AD 2.24.12 IAC Lz RWY 13 - 1	27 FEB 2020
LDZD AD 2.24.12 IAC Lz RWY 13 - 2	27 FEB 2020
LDZD AD 2.24.12 IAC VOR RWY 13 - 1	27 FEB 2020
LDZD AD 2.24.12 IAC VOR RWY 13 - 2	27 FEB 2020
LDZD AD 2.24.12 IAC ILS or LOC RWY 13 - 1	27 FEB 2020
LDZD AD 2.24.12 IAC ILS or LOC RWY 13 - 2	27 FEB 2020
LDZD AD 2.24.12 IAC L RWY 31 - 1	23 MAY 2019
LDZD AD 2.24.12 IAC L RWY 31 - 2	23 MAY 2019
LDZD AD 2.24.12 IAC VOR RWY 31 - 1	23 MAY 2019
LDZD AD 2.24.12 IAC VOR RWY 31 - 2	23 MAY 2019
LDZD AD 2.24.12 IAC RNP RWY 04 - 1	27 FEB 2020
LDZD AD 2.24.12 IAC RNP RWY 04 - 2	27 FEB 2020
LDZD AD 2.24.12 IAC RNP RWY 04 - 3	27 FEB 2020
LDZD AD 2.24.12 IAC RNP RWY 04 - 4	27 FEB 2020
LDZD AD 2.24.12 IAC RNP Y RWY 13 - 1	27 FEB 2020
LDZD AD 2.24.12 IAC RNP Y RWY 13 - 2	27 FEB 2020
LDZD AD 2.24.12 IAC RNP Y RWY 13 - 3	27 FEB 2020
LDZD AD 2.24.12 IAC RNP Y RWY 13 - 4	27 FEB 2020
LDZD AD 2.24.12 IAC RNP Z RWY 13 - 1	27 FEB 2020
LDZD AD 2.24.12 IAC RNP Z RWY 13 - 2	27 FEB 2020
LDZD AD 2.24.12 IAC RNP Z RWY 13 - 3	27 FEB 2020
LDZD AD 2.24.12 IAC RNP Z RWY 13 - 4	27 FEB 2020
LDZD AD 2.24.12 IAC RNP RWY 31 - 1	27 FEB 2020
LDZD AD 2.24.12 IAC RNP RWY 31 - 2	27 FEB 2020
LDZD AD 2.24.12 IAC RNP RWY 31 - 3	27 FEB 2020
LDZD AD 2.24.12 IAC RNP RWY 31 - 4	27 FEB 2020
LDZD AD 2.24.13 VOC - 1	23 MAY 2019
LDZD AD 2.24.13 VOC - 2	23 MAY 2019

Stranica	Datum

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GEN 0.5 LISTA RUČNIH ISPRAVAKA U AIP-U

Stranica(e) AIP-a na koje se odnosi	Tekst izmjene	Uključeno AIP izmjenom broj:
1	2	3
LDDU AD 2.24.1 ADC -1	Uporaba TWY-a B je zabranjena za zrakoplove kodnog slova E zbog infrastrukturnih ograničenja.	AIRAC AIP AMDT 002/2019 (28 MAR 2019)
LDZA AD 2.24.2 APDC WEST -1 LDZA AD 2.24.4 AOC RWY 04/22 -1	MAG VAR / godišnju promjenu izmijenite kako slijedi: 4°E (2019) / 0.15° u porastu.	AIRAC AIP AMDT 001/2020 (27 FEB 2020)
LDZD AD 2.24.4 AOC RWY04/22 -1 LDZD AD 2.24.4 AOC RWY13/31 -1	MAG VAR / godišnju promjenu izmijenite kako slijedi: 4°E (2019) / 0.13° u porastu. Oznaku RWY-a 14/32 promijenite u: 13/31.	AIRAC AIP AMDT 008/2019 (10 OCT 2019)
LDDU AD 2.24.1 ADC-1	Fizičke karakteristike RWY-a 11/29 promijenjene: - nosivost i površina RWY-a i SWY-a iznosi 86/F/A/W/T ASPH - dimenzije RWY-a iznosi 3230x45 - nagib RWY-a 11: 0.5% (0 M - 510 M) 0% (510 M - 1840 M) -1.1% (1840 M - 2860 M) -0.2% (2860 M - 3230 M) - nagib RWY-a 29: 0.2% (0 M - 370 M) 1.1% (370 M - 1390 M) 0% (1390 M - 2720 M) -0.5% (2720 M - 3230 M)	AIRAC AIP AMDT 005/2019 (20 JUN 2019)
LDZA AD 2.24.2 APDC WEST -1	Signalista (Marshaller) za sve pozicije Taxiing and parking restrictions and notes - APRON WEST Točka 3.- umjesto Marshaller upisati Follow me.	AIRAC AIP AMDT 001/2020 (27 FEB 2020)
LDDU AD 2.24.1 ADC-1	Pozicija antene GP 11 promijenjena - nove koordinate su: 423408.19N 0181507.94E Novi radionavigacijski uređaj DME IDU.	AIRAC AIP AMDT 007/2019 (12 SEP 2019)
ENR 6.4-1, ENR 6.5-1, ENR 6.7-1, ENR 6.8-1, ENR 6.9-1,LDZA AD 2.24.2 APDC WEST -1, LDZA AD 2.24.4 AOC RWY 04/22, LDZA AD 2.24.6 PATC RWY 04 -1 i LDZA AD 2.24.14 BC -1.	Naziv zračne luke promijenjen u “Zagreb/Franjo Tuđman”	AIRAC AIP AMDT 001/2020 (27 FEB 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 2.24.4 AOC RWY04/22 -1	Prepreke 2, 3 i 5 su povučene.	AIRAC AIP AMDT 009/2019 (07 NOV 2019)

Stranica(e) AIP-a na koje se odnosi	Tekst izmjene	Uključeno AIP izmjenom broj:
1	2	3
LDDU AD 2.24.1 ADC -1	Pozicija anemometra RWY11 promijenjena u - 111 M lijevo od RCL-a, udaljenost 341 M od (poslije) THR 11, ICAO označen i osvijetljen. Pozicija anemometra RWY29 promijenjena u - 111 M desno od RCL-a, udaljenost 341 M od (poslije) THR 29, ICAO označen i osvijetljen.	AIP AMDT 002/2019 (06 DEC 2019)
LDLO AD 2.24.1 ADC -1 LDLO AD 2.24.2 APDC -1	ARO Lošinj povučen.	AIP AMDT 002/2019 (06 DEC 2019)
LDPL AD 2.24.1 ADC -1 LDPL AD 2.24.2 APDC -1	ARO Pula povučen.	AIP AMDT 002/2019 (06 DEC 2019)
ENR 6.8-1, LDDU AD 2.24.1 ADC -1, LDDU AD 2.24.13 VOC -1, ATCSMAC, sve SID, STAR i IAC karte.	Koordinate DBK VOR/DME-a promijenjene u 423313.84N 0181638.79E. Nadmorska visina DBK VOR/DME antene promijenjena u 550 FT.	AIRAC AIP AMDT 001/2020 (27 FEB 2020)
LDZA AD 2.24.4 AOC RWY 04/22 -1, LDZA AD 2.24.6 PATC RWY 04 -1 i LDZA AD 2.24.14 BC -1	Oznaku RWY-a 05/23 promijenite u: 04/22.	AIRAC AIP AMDT 001/2020 (27 FEB 2020)
LDZA AD 2.24.1 ADC -1	Anemometar RWY 04 - neosvijetljen.	AIRAC AIP AMDT 001/2020 (27 FEB 2020)

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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
CV	CAVTAT	L	A
DBK	DUBROVNIK	VOR/DME	AE
DVN	DRVENIK	NDB	A
GR	GRUDA	L	A
GS	PULA	L	A
HUM	BRAC	NDB	A
IDU	DUBROVNIK	DME	A
IDU	DUBROVNIK / CILIPI	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 / KASTELA	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
KO	KOZALA	L	A
LOS	LOSINJ	NDB	AE
LSJ	LOSINJ	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
CAVTAT	L	CV	A
CEPIN	L	CE	AE
CRES	NDB	CRE	AE
DRVENIK	NDB	DVN	A
DUBROVNIK	DME	IDU	A
DUBROVNIK	VOR/DME	DBK	AE
DUBROVNIK / CILIPI	LOC 11	IDU	A
GRUDA	L	GR	A
JAPETIC	DME	JAP	AE
KAKMA	NDB	ZRA	A
KAVRAN	NDB	KAV	A
KOLOCEP	NDB	KLP	A
KOZALA	L	KO	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
PISAROVINA	NDB	PIS	AE
PULA	L	GS	A
PULA	LOC 27	IPU	A
PULA	NDB	PLA	A

DECODE			
ID	Naziv postaje	Sredstvo	Namjena
LUK	LUKAVEC	DME	AE
NTL	LOSINJ	VOR/DME	AE
OSJ	OSIJEK	NDB	A
PIS	PISAROVINA	NDB	AE
PLA	PULA	NDB	A
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
VAR	VARAZDIN	NDB	A
VBA	BARNA	VOR/DME	AE
VG	VELIKA GORICA	L	A
VL	VALTURA	L	A
VRS	VRSAR	NDB	AE
ZAG	ZAGREB	VOR/DME	AE
ZAG	ZAGREB	NDB	A
ZDA	ZADAR	VOR/DME	AE
ZK	ZADAR	L	A
ZRA	KAKMA	NDB	A

ENCODE			
Naziv postaje	Sredstvo	ID	Namjena
PULA	VOR/DME	PUL	AE
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 / KASTELA	LOC 05	IST	A
TOUNJ	NDB	TNJ	E
TROGIR	NDB	TRI	A
VALTURA	L	VL	A
VARAZDIN	NDB	VAR	A
VELIKA GORICA	L	VG	A
VRSAR	NDB	VRS	AE
ZADAR	L	ZK	A
ZADAR	VOR/DME	ZDA	AE
ZADAR / ZEMUNIK	LOC 13	IZD	A
ZAGREB	DME	IZA	A
ZAGREB	NDB	ZAG	A
ZAGREB	VOR/DME	ZAG	AE
ZAGREB / FRANJO TUĐMAN	LOC 04	IZA	A
ZAGREB / FRANJO TUĐMAN	LOC 22	IZG	A

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Naziv postaje/ oznaka mjesta	Vrsta i učestalost opažanja / oprema za automatsko opažanje	Vrste MET izvješća raspoloživost TREND prognoza	Sustav motrenja i položaj(i)	Vrijeme rada	Klimatološke informacije
1	2	3	4	5	6
ZAGREB/Franjo Tuđman LDZA	Polusatna i specijalna opažanja	METAR MET REPORT SPECIAL TREND	RWY 04/22 3 transmisiometra (TDZ, MID,END) 3 vizibilimetra (TDZ, MID, END) 2 senzora meteoroloških pojava (TDZ 04, TDZ 22) 2 anemometra (TDZ 04, TDZ 22) 2 silometra (MM 04, MM 22) 1 uređaj za daljinsko očitavanje temperature i vlage (TDZ 04)	H24	Aerodromske klimatološke tablice i sažeci raspoloživi na zahtjev
PULA LDPL	Polusatna i specijalna opažanja	METAR MET REPORT* SPECIAL* TREND**	RWY 09/27 2 anemometra (TDZ 09, TDZ 27) 1 silometar (MM 27) 1 uređaj za daljinsko očitavanje temperature i vlage (TDZ 27) 1 vizibilimetar (TDZ 27) 1 senzor meteoroloških pojava (TDZ 27) 1 indikator sijevanja (MID)	H24 *AD HR SER **2 sata prije AD HR SER i za vrijeme AD HR SER	Aerodromske klimatološke tablice i sažeci raspoloživi na zahtjev
SPLIT/Kaštela LDSP	Polusatna i specijalna opažanja	METAR MET REPORT* SPECIAL* TREND** AUTO METAR***	RWY 05/23 2 anemometra (TDZ 05, TDZ 23) 1 silometar (MM 05) 1 uređaj za daljinsko očitavanje temperature i vlage (TDZ 05) 1 vizibilimetar (TDZ 05) 1 senzor meteoroloških pojava (TDZ 05) 1 indikator sijevanja (MID)	H24 *AD HR SER **2 sata prije AD HR SER i za vrijeme AD HR SER *** izvan AD HR SER	Aerodromske klimatološke tablice i sažeci raspoloživi na zahtjev
DUBROVNIK/ Čilipi LDDU	Polusatna i specijalna opažanja	METAR MET REPORT* SPECIAL* TREND**	RWY 11/29 1 vizibilimetar (TDZ 11) 2 anemometra (TDZ 11, TDZ 29) 1 silometar (MM 11) 1 uređaj za daljinsko očitavanje temperature i vlage (TDZ 11)	H24 *AD HR SER **2 sata prije AD HR SER i za vrijeme AD HR SER	Aerodromske klimatološke tablice i sažeci raspoloživi na zahtjev

Naziv postaje/ oznaka mjesta	Vrsta i učestalost opažanja / oprema za automatsko opažanje	Vrste MET izvješća raspoloživost TREND prognoza	Sustav motrenja i položaj(i)	Vrijeme rada	Klimatološke informacije
1	2	3	4	5	6
ZADAR/Zemunik LDZD	Polusatna i specijalna opažanja	METAR MET REPORT* SPECIAL* TREND**	RWY 13/31 1 vizibilimetar (TDZ 13) 2 čašična anemometra (TDZ 13, TDZ 31) 1 silometar (MM 13) 1 uređaj za daljinsko očitavanje temperature i vlage (TDZ 13) RWY 04/22 1 anemometar (TDZ 04)	H24 *AD HR SER **2 sata prije AD HR SER i za vrijeme AD HR SER	Aerodromske klimatološke tablice i sažeci raspoloživi na zahtjev
RIJEKA/Krk I. LDRI	Polusatna i specijalna opažanja	METAR MET REPORT SPECIAL	RWY 14/32 2 anemometra (TDZ 14, TDZ 32) 1 uređaj za daljinsko očitavanje temperature i vlage (TDZ 14)	H24 *AD HR SER	Aerodromske klimatološke tablice i sažeci raspoloživi na zahtjev
OSIJEK/Klisa LDOS	Polusatna i specijalna opažanja	METAR MET REPORT* SPECIAL*	RWY 11/29 2 anemometra (TDZ 11, TDZ 29) 1 uređaj za daljinsko očitavanje temperature i vlage (TDZ 29)	H24 *AD HR SER	Aerodromske klimatološke tablice i sažeci raspoloživi na zahtjev
LOSINJ/Lošinj I. LDLO	Polusatna i specijalna opažanja	METAR MET REPORT SPECIAL	RWY 02/20 1 anemometar (300 M FM THR 02) 1 uređaj za daljinsko očitavanje temperature i vlage (300 M FM THR 02)	AD HR SER	Aerodromske klimatološke tablice i sažeci raspoloživi na zahtjev
BRAČ/Brač I. LDSB	Polusatna i specijalna opažanja	METAR MET REPORT SPECIAL	RWY 04/22 2 anemometra (TDZ 04, TDZ 22) 1 uređaj za daljinsko očitavanje temperature i vlage (TDZ 22)	AD HR SER	Aerodromske klimatološke tablice i sažeci raspoloživi na zahtjev

AUTO METAR:
AUTO METAR izvješće izrađuje se i distribuira van vremena otvorenosti zračne luke i ima sljedeće karakteristike:
Sadržaj izvješća parametrima odgovara sadržaju METAR izvješća prema ICAO Annex 3, s iznimkama:

- Ne izvještava se tip naoblake (TCU, CB),
- Ne izvještavaju se dopunske informacije o smicanju vjetra ni stanje na RWY-u (SNOWTAM)

Ukoliko nije detektirana nikakva naoblaka od strane sustava, u AUTO METAR izvještaju, umjesto korištenja kratice:

- NSC (no significant cloud)

koristi se sljedeća kratica:

- NCD (no cloud detected).

AUTO METAR izvješće izrađuje se u potpunosti prema podacima instrumentalnih mjerenja na određenim lokacijama i rezultatima računalnih algoritama, te ne uključuje nikakav podatak motren ili mjeren od strane čovjeka.

Opaska: Ukoliko se brzina i smjer vjetra ne mogu odrediti zbog privremenog kvara sustava/senzora, informacija o vjetru bit će prikazana kao “/////KT”.

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ENR 1.5 POSTUPCI ČEKANJA, PRILAZA I ODLASKA

ENR 1.5.1 OPĆENITO

ENR 1.5.1.1 Postupci čekanja, prilaza i odlaska koje su u uporabi, utemeljene su na postupcima sadržanim u zadnjem izdanju ICAO dokumenta 8168 - Postupci za službe kontrole zračne plovidbe - Operacije zrakoplova (PANS-OPS).

ENR 1.5.1.2 Postupci čekanja i prilaza koje se koriste zasnivaju se na vrijednostima i čimbenicima sadržanim u dijelovima III i IV Vol. I PANS-OPS-a.

ENR 1.5.2 LETOVI U DOLASKU

ENR 1.5.2.1 U dolaznom segmentu pilot usmjerava zrakoplov s rute do fiksa početnog prilaženja, od kojeg počinje prilaženje. Na dolaznim rutama primjenjuju se isti uvjeti za nadvišavanje prepreka, koji se primjenjuju i na ruti. Ako se za vođenje zrakoplova upotrebljava radar, nadležna kontrola zračnoga prometa vektorirat će zrakoplov do fiksa početnog prilaženja ili u putanju međuprilaženja odnosno, završnog prilaženja do točke od koje pilot zrakoplova može nastaviti prilaženje prema instrumentalnoj prilaznoj karti. Unutar svih TMA područja ispod FL 100, maksimalna brzina je ograničena na 250 KT IAS.

ENR 1.5.2.2 Zbog ograničenosti raspoloživog zračnog prostora, vrlo je važno da se prilaz specificiranim putanjama čekanja i sami postupci izvode što preciznije. Od pilota se strogo zahtijeva obavještavanje kontrole zračnog prometa ako se iz bilo kojeg razloga prilaz i/ili čekanje ne može obaviti kao što je zahtijevano.

ENR 1.5.3 LETOVI U ODLASKU

ENR 1.5.3.1 Odobrenje za pokretanje motora, odobrenje za odguravanje zrakoplova unazad, odobrenje za vožnju i odobrenje za rutu

Piloti zrakoplova moraju prije svakog odlaska prema IFR planu leta zatražiti odobrenje za pokretanje motora. Odobrenje za pokretanje motora se ne smije zatražiti ako pilot zrakoplova nije siguran da li je u stanju pokrenuti motore unutar 5 minuta nakon izdavanja odobrenja.

Ako je predviđeno kašnjenje u odlasku manje od 20 minuta, pilotima se izdaje odobrenje za trenutno pokretanje motora.

Ako je predviđeno kašnjenje u odlasku veće od 20 minuta, kontrolor je obvezan obavijestiti pilota zrakoplova o trenutku kada smije pokrenuti motore ili o očekivanom trajanju kašnjenja.

Prije odlaska, pilot zrakoplova prima rutno odobrenje, uključujući i odobrenje za odlaznu rutu.

Početna razina na koju se zrakoplov penje nakon uzlijetanja utvrđena je u standardnom instrumentalnom odlasku, odnosno određuje je nadležna kontrola zračnog prometa zajedno s rutnim odobrenjem prije uzlijetanja. Ovisno o prometnoj situaciji, odobrenja za daljnje penjanje se izdaju nakon uzlijetanja.

Kada je potrebno odguravanje zrakoplova unatrag, odgovarajuća dozvola se traži od TWR-a. Od pilota se očekuje da se pokretanje motora obavi za vrijeme ili nakon odguravanja zrakoplova unatrag, te da djeluju sukladno odobrenjima za vožnju i pokretanje motora, obzirom da se planiranje ATC-a zasniva na strogom pridržavanju koordiniranom vremenu za pokretanje motora. Svako zakašnjenje kod pokretanja motora ili vožnje neizostavno treba javiti TWR-u.

Razina leta	Brzina	Napomena
Do, uključivo FL 140 (4 250 M)	170 KT za A i B kategoriju zrakoplova, 230 KT IAS za druge kategorije.	Uzima se navedena vrijednost, osim ako brzina u postupku čekanja nije ograničena na manju brzinu.
Iznad FL 140 (4 250 M) do, uključujući FL 200 (6 100M)	240 KT IAS	Veće brzine, npr. kod jake turbulencije, dozvoljene su samo uz suglasnost nadležne kontrole zračnog prometa.
Iznad FL 200 (6 100M)	265 KT IAS	

ENR 1.5.4 UPOZORENJE U SVEZI POTENCIJALNE INTERFERENCIJE

Sljedeći ILS/VOR postupci instrumentalnog prilaza ili odlaska prema/sa navedenim RWY relevantnih aerodroma, dozvoljeni su samo za zrakoplove opremljene prijamnicima koji zadovoljavaju odredbe FM zaštite navedene u odjeljcima 3.1.4 i 3.3.8 Aneksa 10, Svezak I:

LDDU

- The “IDU” ILS LOC FREQ 110.1 MHZ Instrument Approach to RWY 11.
- The “DBK” VOR FREQ 115.4 MHZ Instrument Approach to RWY 11 and Departure from RWY 11/29 for all SIDs.

LDZA

- The “IZG” ILS LOC FREQ 109.1 MHZ Instrument Approach to RWY 22.
- The “ZAG” VOR FREQ 113.7 MHZ Instrument Approach to RWY 22 and Departure from RWY 04/22 for all SIDs.

LDRI

- The “IKR” ILS LOC FREQ 108.5 MHZ Instrument Approach to RWY 14.

Napomene o potencijalnoj interferenciji pri korištenju ILS/VOR za instrumentalni prilaz i odlazak, također su prikazane na kartama pojedinih aerodroma (AIP Dio III - Aerodromi)

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b. praćenja zrakoplova i vozila na manevarskim površinama u svrhu postupanja sukladno izdanim odobrenjima i uputama;

c. utvrđivanja činjenice da je uzletno-sletna staza slobodna, tj. da na njoj nema prometa, ili kao pomoć u procjeni da će uzletno-sletna staza biti slobodna prije slijetanja ili uzlijetanja;

d. pružanja informacija o bitnom lokalnom prometu na ili oko manevarskih površina;

e. pružanja zrakoplovu uputa za vožnju kada to zatraži pilot ili kontrolor procijeni da je potrebno. Takve informacije ne bi se trebale izdavati u obliku specifičnih uputa o kursu (osim u posebnim okolnostima, npr. u hitnim slučajevima) te,

f. pružanja pomoći i savjeta vozilima hitnih službi.

Upozorenja sustava A-SMGCS

Lokalne upute vezane uz korištenje funkcije uzbunjivanja sustava A-SMGCS, kada su dostupne, specificiraju, između ostalog:

a. zrakoplove i vozila koji mogu pokrenuti upozorenje;

b. područja na manevarskim površinama unutar kojih se primjenjuje funkcija uzbunjivanja;

c. metodu prikaza upozorenja kontroloru;

d. kriterije uzbunjivanja za pokretanje upozorenja koji mogu ovisiti o meteorološkoj situaciji ili o tipu operacije koja se izvodi, kao i trajanje upozorenja te,

e. uvjete pod kojima funkcija upozoravanja može biti onemogućena.

U slučaju pokretanja upozorenja, kontrolor bez odlaganja procjenjuje situaciju i poduzima potrebne korake.

U svrhu analize i poboljšanja ukupne razine sigurnosti nadležne ATS vlasti čuvaju elektroničke zapise svih pokrenutih upozorenja.

Postupci identifikacije sustavom A-SMGCS

Napomena.— Vidi PANS-ATM, točku 8.5, „Use of SSR transponders and ADS-B transmitters“ te točku 8.6.2 „Identification of aircraft“.

Kada se koristi sustav A-SMGCS, zrakoplovi i vozila mogu se identificirati sljedećim postupcima ili onima koji su opisani u dokumentu PANS-ATM, točki 8.6.2:

a. izravno prepoznavanje identifikacije zrakoplova za zrakoplove opremljenje Modom-S s prikazom sukladno A-SMGCS oznaci te,

b. izravno prepoznavanje identifikacije prikladno opremljenog vozila s prikazom sukladno A-SMGCS oznaci.

ENR 1.8.5.2.5 Operacije pri smanjenoj vidljivosti

(A11 — Poglavlje 3 i P-ATM — Poglavlje 7)

Napomena.— U svrhu opisivanja pružanja usluge aerodromske kontrole u kontekstu različitih uvjeta vidljivosti koriste se sljedeća četiri (4) uvjeta vidljivosti, kako su definirani u ICAO dokumentu 9830, Dodatku A. Kriteriji za utvrđivanje prijelaza između uvjeta vidljivosti u funkciji su lokalnog aerodroma i obilježja prometa te trebaju biti utvrđena od strane nadležnih ATS vlasti.

Uvjeti vidljivosti 1. Vidljivost dovoljna da pilot može voziti stazom za vožnju i izbjegavati koliziju s drugim sudionicima u prometu na stazama za vožnju i na presjecištima služeći se vizualnom provjerom te da osoblje jedinica kontrole može vršiti kontrolu nad cjelokupnim prometom na temelju vizualnog nadzora.

Uvjeti vidljivosti 2. Vidljivost dovoljna da pilot može voziti stazom za vožnju i izbjegavati koliziju s drugim sudionicima u prometu na stazama za vožnju i na presjecištima služeći se vizualnom provjerom, ali nedovoljna da osoblje jedinica kontrole može vršiti kontrolu nad cjelokupnim prometom na temelju vizualnog nadzora.

Uvjeti vidljivosti 3. Vidljivost dovoljna da pilot može voziti stazom za vožnju, ali nedovoljna da može izbjegavati koliziju s drugim sudionicima u prometu na stazama za vožnju i na presjecištima služeći se vizualnom provjerom te nedovoljna da osoblje jedinica kontrole može vršiti kontrolu nad cjelokupnim prometom na temelju vizualnog nadzora. Za vožnju stazom, obično se smatra da je to vidljivost jednaka RVR-u manjem od 400 M, ali većem od 75 M.

Uvjeti vidljivosti 4. Vidljivost nedovoljna da pilot može voziti stazom za vožnju samo uz pomoć oznaka za vizualno vođenje. Obično se smatra da je to RVR od 75 M ili manji.

Kada postoji potreba za operacijama na manevarskim površinama pri vidljivosti nedovoljnoj da osoblje jedinica kontrole vrši kontrolu nad cjelokupnim prometom na temelju vizualnog nadzora, ATC daje upute i informacije pilotima i vozačima vozila kao pomoć u navigaciji i izbjegavanju kolizije s drugim sudionicima u prometu služeći se vizualnom provjerom. Pri uvjetima vidljivosti 2, navedene upute i informacije mogu biti izvedene iz sustava A-SMGCS, kada je to primjenjivo.

Tijekom uvjeta vidljivosti 3 i 4, A-SMGCS, kada je to primjenjivo, može se koristiti za određivanje pozicije zrakoplova i vozila na manevarskim površinama.

Napomena.— Za upute o sastavnicama i postupcima vođenja i nadzora kretanja na manevarskim površinama vidi The Manual of Surface Movement Guidance and Control System (SMGCS) (ICAO Doc 9476), te Advanced Surface Movement Guidance and Control System (A-SMGCS) Manual (ICAO Doc 9830).

Opći uvjeti pod kojima se koriste postupci pri smanjenoj vidljivosti (LVP) primjenjivi na Cat II/III operacije objavljuju se u AIP-u, AD 1.1.

Uz odredbe navedene u dokumentu PANS-ATM, 7.12.2., odredbe vezane uz LVP trebaju specificirati:

a. zahtjev o informiranju letačkih posada da se provode LVP-ovi te o informiranju letačkih posada kada su LVP-ovi prekinuti;

b. odgovarajući razmak između slijednih zrakoplova u dolasku i/ili odlasku kako bi se osigurala zaštita osjetljivih i kritičnih područja te,

c. sve ATFM mjere koje će se primjenjivati.

Napomena.— Daljnje informacije mogu se pronaći u Air Traffic Services Planning Manual (ICAO Doc 9426).

Kada se ILS prilaženje s uključenim sustavom automatskog prilaza provodi van uvjeta smanjene vidljivosti (LVP-ovi nisu na snazi), mogu se pojaviti smetnje u prijemu ILS signala. U slučajevima kada nije moguća zaštita osjetljivog područja LOC-a (LSA, Localiser sensitive area), ATC obavještava letačku posadu ukoliko pilot zatraži automatsko slijetanje sa zaštitom osjetljivog područja LOC-a.

ENR 1.8.5.2.6 Određivanje staze u upotrebi

Staza u upotrebi će omogućavati zrakoplovima slijetanje i polijetanje u vjetar, osim ako zbog sigurnosti letenja, konfiguracije staze, meteoroloških uvjeta, raspoloživih instrumentalnih prilaza ili prometne situacije ne bude određeno drugačije.
Takav drugi smjer se može odrediti ukoliko leđna komponenta vjetra neće prelaziti više od 10KT.

ENR 1.8.5.3 RNAV postupci

ENR 1.8.5.3.1 Općenito

Korištenje RNAV sustava

Ispravan rad zrakoplovnog RNAV sustava utvrđuje se prije priključivanja i tijekom operacije na RNAV ruti. To uključuje potvrdu da:

a. je ruta usklađena s odobrenjem ATC-a te,

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b. je točnost RNAV navigacije zrakoplova u skladu sa zahtjevima točnosti RNAV rute i procedura dolaska ili odlaska, kako je primjenjivo.

Nadvišavanje prepreka

(A2 — Poglavlje 5; P-ATM — Poglavlja 4 i 8)

Osim ako IFR zrakoplov prima navigacijske upute od ATC-a u obliku radarskih vektora, pilot je odgovoran za nadvišavanje prepreka. Stoga korištenje RNAV-a ne oslobađa pilote od odgovornosti osiguravanja da su upute i odobrenja ATC-a, sigurni u odnosu na nadvišavanje prepreka. ATC dodjeljuje razine koje su na ili iznad utvrđenih minimuma visina leta.

ENR 1.8.5.3.2 Završno kontrolirano područje (Terminal)

Za operacije na RNAV rutama dolaska i odlaska, kada ATC izda odobrenje za RNAV proceduru zrakoplovu koji nije odobren za takve operacije, pilot o tome obavještava ATC, koji potom nastoji pružiti alternativnu rutu.

Napomena.— Vidi ICAO dokument 7030, EUR, točku 10.1 za odgovarajuću radiotelefonsku frazeologiju (RTF).

Zrakoplovi opremljeni RNAV opremom koja ima točnost lateralnog praćenja putanje od ±5 NM (2 SD) sa sposobnosti određivanja horizontalne pozicije s točnošću dovoljnom za ispunjavanje zahtjeva praćenja putanje te prikladnom funkcionalnosti, dalje u tekstu označeno kao osnovna prostorna navigacija (B-RNAV), mogu koristiti RNAV (segmente) ruta dolaska i odlaska kada one ispunjavaju sljedeće kriterije:

a. B-RNAV dio rute mora:

1. biti iznad odgovarajuće minimalne visine leta (MFA) (npr. minimalne apsolutne visine radarskog vektoriranja (MRVA) te minimalne sektorske apsolutne visine leta (MSA) te,

2. biti u skladu s utvrđenim PANS-OPS kriterijima za izvođenje operacija na ruti te,

3. biti prilagođen načelima dizajna B-RNAV rute.

Napomena.— Za minimalne visine leta, vidi ICAO Aneks 11, točku 2.22.

b. procedure odlaska moraju biti konvencionalne (ne-RNAV) sve do konvencionalnog preletišta (ili minimalne visine). Nakon tog preletišta (ili minimalne visine) može se koristiti B-RNAV procedura u skladu s kriterijima navedenim pod a) te,

c. B-RNAV dio rute dolaska mora završiti na koncvencionalnom preletištu sukladno kriterijima navedenima pod a) i b). Nakon tog preletišta dolazak se dovršava konvencionalnim (ne-RNAV) procedurama ili uslugom radarskog vektoriranja te,

d. treba uzeti u obzir operativne postupke korisnika koji mogu imati utjecaja na rad sustava. Primjeri uključuju, ali nisu ograničeni na, utvrđivanje inicijalne pozicije na uzletno-sletnoj stazi te minimalne visine uključivanja sustava automatskog upravljanja letom (AFCS) te,

e. eksplicitno su određene procedure dolaska i odlaska koje se mogu koristiti s B-RNAV opremom kao procedure za koje je odobrena primjena B-RNAV-a.

ENR 1.8.5.3.3 Državni zrakoplovi

(A11 – Poglavlje 3)

ATC postupci za državne zrakoplove koji nemaju RNAV opremu, ali imaju navigacijsku točnost prema zahtjevima za RNP 5

Unutar TMA-ova državnim zrakoplovima se može dodjeljivati ruta koristeći RNAV TMA procedure samo ako su opremljeni odgovarajućom RNAV opremom (primjenjuje se ICAO dokument 7030, EUR točka 4.1.1.5.2 i ENR 1.8.5.5.2).

Za takve se zrakoplove koji izvode operacije na ruti primjenjuju sljedeći postupci:

a. državnim zrakoplovima trebaju se dodijeliti ATS rute definirane VOR/DME opremom ili,

b. ako su takve rute nedostupne, državni zrakoplovi trebaju biti upućeni putem konvencionalnih navigacijskih sredstava, tj. VOR/DME opreme.

Napomena.— Moguće je da će državni zrakoplovi kojima je ruta dodijeljena sukladno točkama a) ili b) trebati kontinuirani radarski nadzor od strane nadležne ATC jedinice.

Kada se gore navedeni postupci ne mogu primijeniti, ATC jedinica državnim zrakoplovima pruža uslugu radarskog vektoriranja sve dok zrakoplov nije sposoban samostalno nastaviti s navigacijom.

ENR 1.8.5.4 RVSM postupci

ENR 1.8.5.4.1 Općenito

Osim za operacije u zračnom prostoru koji je predviđen sukladno ICAO dokumentu 7030, EUR, točki 9.7.1.1, samo RVSM-odobreni zrakoplovi i državni RVSM-neodobreni zrakoplovi mogu dobiti odobrenje ATC-a za letenje u RVSM zračnom prostoru.

Za grupne letove civilnih zrakoplova ne daje se ATC odobrenje za letenje u RVSM zračnom prostoru.

ENR 1.8.5.5 ATS koordinacija

ENR 1.8.5.5.1 Između jedinica koje pružaju usluge oblasne kontrole

(P-ATM – Poglavlje 10)

Ako zrakoplov treba ući u susjedno područje, informacije o bilo kakvoj izmjeni predviđenog vremena od tri minute ili više, prosljeđuju se susjednom centru oblasne kontrole i to uobičajeno telefonom.

ENR 1.8.5.5.2 RNAV

(P-ATM – Poglavlje 11)

Zrakoplov s degradacijom ili kvarom RNAV-a — računalno potpomognuta koordinacija predviđenog vremena

U slučaju kada automatizirane poruke ne sadrže informacije navedene u rubrici 18 plana leta, ATC jedinica koja šalje poruku informira ATC jedinicu koja ju prima na način da dopuni ACT poruku, verbalno frazom „RNAV OUT OF SERVICE“ nakon pozivnog znaka predmetnog zrakoplova.

Zrakoplov s degradacijom ili kvarom RNAV-a — verbalna koordinacija predviđenog vremena

Kada se koristi postupak verbalne koordinacije, ATC jedinica koja šalje poruku uključuje frazu „RNAV OUT OF SERVICE“ na kraju poruke.

Državni zrakoplov koji nije opremljen RNAV-om — računalno potpomognuta koordinacija predviđenog vremena

U slučaju kada automatizirane poruke ne sadrže informacije navedene u rubrici 18 plana leta, ATC jedinica koja šalje poruku informira ATC jedinicu koja ju prima na način da dopuni ACT poruku verbalno frazom „NEGATIVE-RNAV“ nakon pozivnog znaka predmetnog zrakoplova.

Državni zrakoplov koji nije opremljen RNAV-om — verbalna koordinacija predviđenog vremena

Kada se koristi postupak verbalne koordinacije, ATC jedinica koja šalje poruku uključuje frazu „NEGATIVE-RNAV“ na kraju poruke.

ENR 1.8.5.5.3 RVSM

Ako jedinica koja prima poruku nije zaprimila plan leta, ATC jedinica koja ju šalje verbalno informira jedinicu koja prima poruku o tome je li zrakoplovu RVSM odobren ili nije.

Kada automatizirana poruka ne sadrži informacije navedene u rubrici 18 plana leta, a koje se odnose na RVSM operacije, ATC jedinica koja šalje poruku informira ATC jedinicu koja ju prima na način da dopuni ACT poruku verbalno frazom „NEGATIVE RVSM“ ili „NEGATIVE RVSM STATE AIRCRAFT“, kako je primjenjivo.

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Kada se koristi postupak verbalne koordinacije, ATC jedinica koja šalje poruku uključuje informacije navedene u rubrici 18 plana leta koje se odnose na RVSM operacije na kraju verbalne poruke o predviđenom vremenu, koristeći frazu „NEGATIVE RVSM“ ili „NEGATIVE RVSM STATE AIRCRAFT“, kako je primjenjivo.

Kada pojedini zrakoplov doživljava nepredviđenu okolnost u letu koja utječe na RVSM operacije, povezana(e) poruka(e) koordinacije verbalno se dopunjuje(u) opisom uzroka nepredviđene okolnosti.

ENR 1.8.5.6 ATS poruke

ENR 1.8.5.6.1 Računalno potpomognuta koordinacija

(P-ATM – Poglavlje 10)

Općenito

Kada se tako dogovore susjedne ATC jedinice, uvodi se postupak računalno potpomognute koordinacije kako bi se izbjegla potreba za verbalnom koordinacijom predviđenog vremena na granicama, te smanjio obujam ručnog unosa podataka u ATC računala.

Kada je uvedena između susjednih centara oblasne kontrole u svrhu aktiviranja i ažuriranja FPL poruka ili RPL-ova, obrada podataka temelji se na porukama i postupcima opisanima u odlomcima **Poruke, Operativni postupci i Postupak zaštite podataka** u nastavku teksta.

Minimalni zahtjev za aktivaciju podataka o planu leta jest sadržaj poruke o predviđanju vremena na granici (EST). Kada se tako dogovore susjedne jedinice, poruka aktivacije (ACT) koristi se umjesto EST poruke, čime se omogućuje prijenos dodatnih informacija.

Sredstva komunikacije koja će se koristiti te postupci koji će se primijeniti tijekom razmjene poruka pri postupku računalno potpomognute koordinacije određuju se bilateralnim sporazumom između uključenih ATC jedinica.

Poruke

EST poruka i ACT poruka predstavljaju alternativna sredstva koja se koriste za aktivaciju plana leta. EST poruka mora sadržavati polja 3, 7, 13a, 14 i 16a. ACT poruka mora sadržavati polja 3, 7, 13a, 14 i 16a, identično kao i EST poruka te, dodatno, jedno ili više polja 22 kako je bilateralno dogovoreno između susjednih ATC jedinica za uključivanje drugih aktualnih informacija vezanih uz plan leta.

Zaštita prenesene poruke postiže se porukom logičkog potvrđivanja (LAM) koju ATS jedinica koja prima poruku šalje ATS jedinici koja ju šalje. LAM mora sadržavati polje 3 (tip poruke, broj i referentne podatke) pozivajući se na odgovarajuću ATS poruku koju potvrđuje.

Primjer: (LAMP/M178M/P100)
Značenje: LAM koji Pariz (P) šalje Maastrichtu (M), potom slijedi serijski broj (178) poruke jedinice koja šalje poruku pa identifikatori (M/P) i serijski broj (100) ATS jedinice ili povezano predviđeno vrijeme predaje.

Operativni postupci

Pri uporabi EST i ACT poruka primjenjuju se sljedeća osnovna pravila:

a. Navedene se poruke automatski generiraju, razmjenjuju i procesuiraju kako bi se izbjegla ljudska intervencija, do mjere u kojoj je to izvedivo,

b. Pojedinačna poruka šalje se vezano uz svaki let koji je potrebno prenijeti, a sve naknadne revizije predmetom su verbalne koordinacije,

c. Poruka treba sadržavati najnovije dostupne informacije o svim uvjetima prijenosa u vrijeme prosljeđivanja,

d. Pretpostavlja se da jedinica koja prima poruku prihvaća uvjete prijenosa koji su implicirani u poruci osim ako jedinica koja prima poruku pokrene verbalnu koordinaciju kako bi se uvjeti prijenosa izmijenili,

Napomena.— Moguće je da će biti potreban bilateralni sporazum kako bi se pokrio slučaj kvara izravne telefonske linije za potrebe operativnih usluga u zračnom prometu.

e. Potreban je bilateralni sporazum vezan uz graničnu točku i vremena prijenosa za svaku rutu. Normalno vrijeme prijenosa jest 15 minuta prije očekivanog prelaska granice predmetnog leta,

f. U slučaju da računalo koje prima poruku, podatke nije koreliralo s odgovarajućim unosom u svojoj bazi podataka planova leta, računalo pokreće upozorenje odgovarajućem ATC sektoru kako bi se poduzele odgovarajuće mjere s ciljem pribavljanja detalja koji nedostaju o planu leta. To obično podrazumijeva telefonski upit,

g. u slučaju nerazumljivih ili nelogičnih podataka detektiranih u poruci, računalo pokreće odgovarajuće upozorenje zahvaćenom ATC sektoru, ako je to moguće odrediti, u svrhu daljnjeg postupanja,

Napomena.— Svako upozorenje koje je inicirao sustav zahtijeva povratak na verbalnu komunikaciju.

Postupak zaštite podataka

Korištenjem postupka logičkog potvrđivanja osigurat će se odgovarajuća zaštita u procesu automatske komunikacije.

Taj postupak temeljit će se na sljedećim osnovnim pravilima:

a. Računalo-primatelj prenosi LAM kao odgovor na zaprimljenu i procesuiranu poruku aktivacije do točke kada se operativni sadržaj predstavlja odgovarajućem kontroloru zračnog prometa,

b. ATC jedinica koja izvršava prijenos postavlja dogovoreni parametar vremenske reakcije koji iznosi do dvije minute od prijenosa poruke aktivacije. Ako LAM nije zaprimljen u tom vremenskom okviru, pokreće se operativno upozorenje te slijedi povratak na telefonski i ručni način rada. LAM se ne šalje ako se ne može utvrditi odgovarajući ATC sektor.

ENR 1.8.5.7 Usluga pružanja letnih informacija

ENR 1.8.5.7.1 Automatsko emitiranje informacija za slijetanje i uzlijetanje (ATIS)

(A11 – Poglavlje 4)

ATIS emisija ne zahtijeva dodjelu VHF kanala koji podliježe međunarodnom dodjeljivanju kanala.

ATIS emisija, kada sadrži samo informacije o odlasku i kada zahtijeva prijenos povjerljivim kanalom, prenosi se VHF kanalom zemaljske kontrole.

Poruke prenesene ATIS-om ne trebaju sadržavati uputu o tome da pilot potvrdi primitak ATIS poruke s inicijalnim kontaktom s nadležnom ATS jedinicom.

ENR 1.8.5.7.2 SIGMET-i

(P-ATM – Poglavlje 9)

Prijenos SIGMET informacija zrakoplovu odvija se na inicijativu nadležne ATS jedinice preferiranom metodom usmjerenog prijenosa nakon čega slijedi potvrda ili općim pozivom kada bi zbog broja zrakoplova preferirana metoda bila neizvediva.

ENR 1.8.5.7.3 Specijalni izvještaji iz zrakoplova

(P-ATM – Poglavlje 9)

Specijalni izvještaji iz zrakoplova prenose se s najmanjom mogućom odgodom zrakoplovu koji će vjerojatno biti zahvaćen te pokrivaju dio rute do jednog sata leta ispred zrakoplova.

ENR 1.8.5.7.4 Dopunjena aerodromska prognoza

(P-ATM – Poglavlje 9)

Dopunjene aerodromske prognoze prenose se zrakoplovu unutar 60 minuta od odredišnog aerodroma osim ako je informacija dostupna drugim sredstvima.

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ENR 2 ZRAČNI PROSTOR U KOJEM SE PRUŽAJU OPERATIVNE USLUGE KONTROLE ZRAČNOG PROMETA

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		Nil
		H24	122.53 MHZ / 8.33 CH	
		H24	126.635 MHZ / 8.33 CH	
		H24	127.11 MHZ / 8.33 CH	
		H24	124.375 MHZ	
		H24	125.78 MHZ / 8.33 CH	
		H24	132.34 MHZ / 8.33 CH	
		H24	133.635 MHZ / 8.33 CH	
		H24	136.3 MHZ	
		H24	129.65 MHZ	
		H24	132.125 MHZ	
		H24	129.425 MHZ / ALTN FREQ	
		H24	130.215MHZ / 8.33 CH	
		H24	135.8 MHZ	
		H24	122.575 MHZ	
		H24	128.275 MHZ	
		H24	131.275 MHZ	
		H24	339.175 MHZ / UHF FREQ FOR STATE AIRCRAFT	
		H24	121.5 MHZ / EMERG FREQ	
		H24	243.0 MHZ / EMERG FREQ	
		H24	123.1 MHZ / SAR	
		H24	292.6 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	135.05 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: 1000 FT AGL (Outside TCAs nad CTRs) CLASS OF AIRSPACE OUTSIDE OTHER REGULATED AIRSPACE: C - above FL 115 D - BTN FL 115 and 1000 FT AGL **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 3 ATS RUTE

ENR 3.1 DONJE ATS RUTE

Označitelj rute {RNAV tip}	[Zapisi o korištenju rute]								
Naziv znač. točke	Koordinate značajne točke								Primjedbe
{RNAV tip}	Putanja MAG	Dist (NM)	(COP)	Gornja granica / Donja granica	MOCA	Bočne granice (NM)	Smjer krstarećih razina ↓	Smjer krstarećih razina ↑	Jedinica kontrole {Klasifikacija zračnog prostora} Primjedbe
A48									
▲ CRAYE (FIR BDRY)	413010N 0180745E								For continuation see AIP Italy.
(RNAV 5)	002° 183°	26.0NM		FL 305 6000 FT ALT	6000 FT ALT	10NM	Even(2)	Odd(1)	(1) NONFUA (2) NONFUA ATS has been temporary delegated to Brindisi ACC
▲ BEVIS TCP	415558N 0181140E								
(RNAV 5)	002° 182°	20.4NM		FL 205 6000 FT ALT	6000 FT ALT	10NM	Even(4)	Odd(3)	{Klasa D/C} (3) NONFUA (4) NONFUA
△ RIGVA	421614N 0181422E								
(RNAV 5)	002° 182°	17.1NM		FL 205 6000 FT ALT	6000 FT ALT	10NM	Even(6)	Odd(5)	{Klasa D/C} (5) NONFUA (6) NONFUA
△ DUBROVNIK VOR/DME (DBK)	423313.84N 0181638.79E								
Primjedbe o ruti: Jedinica kontrole: Zagreb ACC 135.8 MHZ; Dubrovnik APP 123.6 MHZ									

Označitelj rute {RNAV tip}	[Zapisi o korištenju rute]								
Naziv znač. točke	Koordinate značajne točke								Primjedbe
{RNAV tip}	Putanja MAG	Dist (NM)	(COP)	Gornja granica / Donja granica	MOCA	Bočne granice (NM)	Smjer krstarećih razina ↓	Smjer krstarećih razina ↑	Jedinica kontrole {Klasifikacija zračnog prostora} Primjedbe
A482									
▲ LOKDI (FIR BDRY)	412942N 0182022E								For continuation see AIP Serbia and Montenegro.
(RNAV 5)	269° 089°	9.5NM		FL 305 6000 FT ALT	6000 FT ALT	10NM	Even(2)	Odd(1)	(1) NONFUA (2) NONFUA ATS has been temporary delegated to Brindisi ACC
▲ CRAYE (FIR BDRY)	413010N 0180745E								For continuation see AIP Italy.

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ENR 3.3 RUTE PROSTORNE NAVIGACIJE

Označitelj rute {RNAV tip}	**[Zapisi o korištenju rute]**				
Naziv značajne točke	**Koordinate značajne točke**				**Primjedbe**
{RNAV tip}	**Dist (NM)**	**Gornja granica / Donja granica**	**Smjer krstarećih razina** ↓	↑	**Jedinica kontrole {Klasifikacija zračnog prostora} Primjedbe**
L5					
▲ VAPUP (FIRBDRY)	430321N 0151220E				For continuation see AIP Italy.
(RNAV 5)	55.0 NM	FL 205 5000 FT ALT	Odd(1)		{Klasa D/C} (1) NONFUA
△ SPLIT VOR/DME (SPL)	432947.69N 0161817.00E				
(RNAV 5)	26.8 NM	FL 205 9000 FT ALT	Odd(2)		{Klasa C} (2) NONFUA
▲ REMPI (FIR BDRY)	434412N 0164922E				For continuation see AIP Bosnia and Herzegovina.
Primjedbe o ruti: Jedinica kontrole: Zagreb ACC 135.8 MHZ; Split APP 120.875 MHZ					

Označitelj rute {RNAV tip}	[Zapisi o korištenju rute]				
Naziv značajne točke	Koordinate značajne točke				Primjedbe
{RNAV tip}	Dist (NM)	Gornja granica / Donja granica	Smjer krstarećih razina ↓	Smjer krstarećih razina ↑	Jedinica kontrole {Klasifikacija zračnog prostora} Primjedbe
L187					
△ TIBRI TCP	422438N 0183315E				
(RNAV 5)	4.1 NM	FL 205 9000 FT ALT	Even	Odd	
△ MOKUN (FIR BDRY)	422701N 0182848E				For continuation see AIP Serbia and Montenegro.
(RNAV 5)	10.92 NM	FL 205 9000 FT ALT	Even(2)	Odd(1)	{Klasa D/C} (1) NONFUA (2) NONFUA
△ DUBROVNIK VOR/DME (DBK)	423313.84N 0181638.79E				
(RNAV 5)	3.2 NM	FL 205 9000 FT ALT	Even(4)	Odd(3)	{Klasa D/C} (3) NONFUA (4) NONFUA
△ MADOS (FIRBDRY)	423609N 0181457E				For continuation see AIP Bosnia and Herzegovina.
△ TEBLI (FIR BDRY)	451205N 0164033E				For continuation see AIP Bosnia and Herzegovina.
(RNAV 5)	44.5 NM	FL 205 6000 FT ALT	Even(6)	Odd(5)	{Klasa D/C} (5) NONFUA (6) NONFUA
△ ZAGREB VOR/DME (ZAG)	455344.01N 0161824.11E				
(RNAV 5)	29.0 NM	FL 205 6000 FT ALT	Even(7)		{Klasa C} (7) NONFUA
△ OBUTI (FIRBDRY)	462242N 0161627E				For continuation see AIP Slovenia.
Primjedbe o ruti: Jedinica kontrole: Zagreb ACC 135.8 MHZ; Zagreb APP 120.7 MHZ; Dubrovnik APP 123.6 MHZ					

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Označitelj rute {RNAV tip}	[Zapisi o korištenju rute]				
Naziv značajne točke	Koordinate značajne točke				Primjedbe
{RNAV tip}	Dist (NM)	Gornja granica / Donja granica	Smjer krstarećih razina ↓	Smjer krstarećih razina ↑	Jedinica kontrole {Klasifikacija zračnog prostora} Primjedbe
L604					
△ NOVLO (FIR BDRY)	451346N 0165711E				For continuation see AIP Bosnia and Herzegovina.
(RNAV 5)	48.4 NM	FL 205 6000 FT ALT	Even(1)		{Klasa D/C} (1) NONFUA
△ ZAGREB VOR/DME (ZAG)	455344.01N 0161824.11E				
(RNAV 5)	28.4 NM	FL 205 6000 FT ALT	Even(3)	Odd(2)	{Klasa D/C} (2) NONFUA (3) NONFUA
△ PETOV (FIR BDRY)	461835N 0155834E				For continuation see AIP Slovenia.
Primjedbe o ruti: Jedinica kontrole: Zagreb ACC 125.78 MHZ; Zagreb APP 120.7 MHZ					

Označitelj rute {RNAV tip}	[Zapisi o korištenju rute]				
Naziv značajne točke	Koordinate značajne točke				Primjedbe
{RNAV tip}	Dist (NM)	Gornja granica / Donja granica	Smjer krstarećih razina ↓	Smjer krstarećih razina ↑	Jedinica kontrole {Klasifikacija zračnog prostora} Primjedbe
L607					
△ DUBROVNIK VOR/DME (DBK)	423313.84N 0181638.79E				
(RNAV 5)	38.7 NM	FL 205 7000 FT ALT	Even(2)	Odd(1)	{Klasa D/C} (1) NONFUA (2) NONFUA
△ NERRA	425419N 0173236E				
(RNAV 5)	12.1 NM	FL 205 8000 FT ALT	Even(4)	Odd(3)	{Klasa C} (3) NONFUA (4) NONFUA
△ TIKSA	430103N 0171852E				
(RNAV 5)	12.8 NM	FL 205 8000 FT ALT	Even(6)	Odd(5)	{Klasa C} (5) NONFUA (6) NONFUA
△ SIPAL	430812N 0170425E				
(RNAV 5)	40.0 NM	FL 205 8000 FT ALT	Even(8)	Odd(7)	{Klasa C} (7) NONFUA (8) NONFUA
△ SPLIT VOR/DME (SPL)	432947.69N 0161817.00E				
(RNAV 5)	54.4 NM	FL 205 5000 FT ALT	Even(10)	Odd(9)	{Klasa D/C} (9) NONFUA (10) NONFUA
△ ZADAR VOR/DME (ZDA)	440543.16N 0152151.22E				
(RNAV 5)	34.0 NM	FL 205 8000 FT ALT	Even(12)	Odd(11)	{Klasa D/C} (11) NONFUA (12) NONFUA
△ RAVNA	443149N 0145130E				
(RNAV 5)	13.6 NM	FL 205 8000 FT ALT	Even(14)	Odd(13)	{Klasa D/C} (13) NONFUA (14) NONFUA
△ ULPIN	444213N 0143914E				
(RNAV 5)	15.7 NM	FL 205 4000 FT ALT	Even(16)	Odd(15)	{Klasa D/C} (15) NONFUA (16) NONFUA
△ CRES NDB (CRE)	445410.37N 0142459.57E				
(RNAV 5)	35.2 NM	FL 205 7000 FT ALT	Even(18)	Odd(17)	{Klasa D/C} (17) NONFUA (18) NONFUA
△ GEMKA (FIR BDRY)	452813N 0141215E				For continuation see AIP Slovenia.

Primjedbe o ruti:
Jedinica kontrole: Zagreb ACC 135.8 MHZ; Dubrovnik APP 123.6 MHZ; Pula APP 124.6 MHZ; Split APP 120.875 MHZ; Zadar APP 128.525 MHZ

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Označitelj rute {RNAV tip}	[Zapisi o korištenju rute]				
Naziv značajne točke	Koordinate značajne točke				Primjedbe
{RNAV tip}	Dist (NM)	Gornja granica / Donja granica	Smjer krstarećih razina ↓	Smjer krstarećih razina ↑	Jedinica kontrole {Klasifikacija zračnog prostora} Primjedbe
L611					
△ KOFER TCP	415538N 0183949E				
(RNAV 5)	8.0 NM	FL 205 5000 FT ALT	Even		
△ VAKSU (FIR BDRY)	420051N 0183137E				For continuation see AIP Serbia and Montenegro.
(RNAV 5)	33.1 NM	FL 205 5000 FT ALT	Even(1)		{Klasa D/C} (1) NONFUA
△ LOKRU	422055N 0175608E				
(RNAV 5)	19.5 NM	FL 205 5000 FT ALT	Even(2)		{Klasa D/C} (2) NONFUA
△ AMUGO	423239N 0173502E				
(RNAV 5)	24.0 NM	FL 205 5000 FT ALT	Even(3)		{Klasa D/C} (3) NONFUA
△ LASDU	424701N 0170854E				
(RNAV 5)	33.2 NM	FL 205 5000 FT ALT	Even(4)		{Klasa D/C} (4) NONFUA
△ UVODI	430639N 0163231E				
(RNAV 5)	41.8 NM	FL 205 5000 FT ALT	Even(5)		{Klasa D/C} (5) NONFUA
△ UMSON	433109N 0154603E				
Primjedbe o ruti: Jedinica kontrole: Zagreb ACC 135.8 MHZ; Dubrovnik APP 123.6 MHZ; Split APP 120.875 MHZ					

Označitelj rute {RNAV tip}	[Zapisi o korištenju rute]				
Naziv značajne točke	Koordinate značajne točke				Primjedbe
{RNAV tip}	Dist (NM)	Gornja granica / Donja granica	Smjer krstarećih razina ↓	Smjer krstarećih razina ↑	Jedinica kontrole {Klasifikacija zračnog prostora} Primjedbe
L614					
△ SONIK (FIR BDRY)	442654N 0160836E				For continuation see AIP Bosnia and Herzegovina.
(RNAV 5)	27.3 NM	FL 205 9000 FT ALT		Odd(1)	{Klasa D/C} (1) NONFUA Unsatisfactory PUL VOR/DME coverage below FL 120. For continuation see AIP Bosnia and Herzegovina.
△ PALEZ	443430N 0153159E				
(RNAV 5)	20.8 NM	FL 205 8000 FT ALT		Odd(2)	{Klasa D/C} (2) NONFUA
△ KUDUL	444011N 0150355E				
(RNAV 5)	50.8 NM	FL 205 8000 FT ALT		Odd(3)	{Klasa D/C} (3) NONFUA
△ PULA VOR/DME (PUL)	445332.52N 0135505.23E				
(RNAV 5)	35.7 NM	FL 205 5000 FT ALT	Even(4)	Odd(5)	{Klasa D/C} (4) NONFUA (5) NONFUA
▲ LABIN (FIR BDRY)	445909N 0130529E				For continuation see AIP Italy.
Primjedbe o ruti: Jedinica kontrole: Zagreb ACC 135.8 MHZ; Pula APP 124.6 MHZ					

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Označitelj rute {RNAV tip}	[Zapisi o korištenju rute]				
Naziv značajne točke	**Koordinate značajne točke**				**Primjedbe**
{RNAV tip}	**Dist (NM)**	**Gornja granica / Donja granica**	**Smjer krstarećih razina** ↓	**Smjer krstarećih razina** ↑	**Jedinica kontrole {Klasifikacija zračnog prostora} Primjedbe**
L863					
▲ SIVLA (FIR BDRY)	450607N 0182254E				For continuation see AIP Bosnia and Herzegovina.
(RNAV 5)	65.0NM	FL 205 6000 FT ALT	Even(1)		{Klasa D/C} (1) NONFUA
△ BARNA VOR/DME (VBA)	454452.08N 0170848.29E				
Primjedbe o ruti: Jedinica kontrole: Zagreb ACC 125.78 MHZ					

Označitelj rute {RNAV tip}	[Zapisi o korištenju rute]				
Naziv značajne točke	Koordinate značajne točke				Primjedbe
{RNAV tip}	Dist (NM)	Gornja granica / Donja granica	Smjer krstarećih razina ↓	Smjer krstarećih razina ↑	Jedinica kontrole {Klasifikacija zračnog prostora} Primjedbe
L868					
△ ZADAR VOR/DME (ZDA)	440543.16N 0152151.22E				
(RNAV 5)	58.6 NM	FL 205 8000 FT ALT	Even(2)	Odd(1)	{Klasa D/C} (1) NONFUA (2) NONFUA Unsatisfactory ZDA VOR/DME coverage below FL 120.
△ GISER	450342N 0151026E				
(RNAV 5)	6.4 NM	FL 205 8000 FT ALT	Even(4)	Odd(3)	{Klasa D/C} (3) NONFUA (4) NONFUA
△ KULEN	450955N 0150801E				
(RNAV 5)	20.5 NM	FL 205 8000 FT ALT	Even(6)	Od d(5)	{Klasa D/C} (5) NONFUA (6) NONFUA
△ DARZA (FIR BDRY)	452942N 0150026E				For continuation see AIP Slovenia.
Primjedbe o ruti: Jedinica kontrole: Zagreb ACC 135.8 MHZ; Zadar APP 128.525 MHZ Unsatisfactory ZDA VOR/DME coverage below FL 120.					

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Označitelj rute {RNAV tip}	[Zapisi o korištenju rute]				
Naziv značajne točke	Koordinate značajne točke				Primjedbe
{RNAV tip}	Dist (NM)	Gornja granica / Donja granica	Smjer krstarećih razina ↓	Smjer krstarećih razina ↑	Jedinica kontrole {Klasifikacija zračnog prostora} Primjedbe
M169					
▲ KATTI (FIR BDRY)	423028N 0160256E				For continuation see AIP Italy.
(RNAV 5)	51.1NM	FL 205 5000 FT ALT	Odd(2)	Even(1)	{Klasa D/C} (1) NONFUA (2) NONFUA
△ ORAKA	423213N 0171202E				
(RNAV 5)	17.0NM	FL 205 5000 FT ALT	Odd(4)	Even(3)	{Klasa D/C} (3) NONFUA (4) NONFUA
△ AMUGO	423239N 0173502E				
(RNAV 5)	30.8NM	FL 205 6000 FT ALT	Odd(6)	Even(5)	{Klasa D/C} (5) NONFUA (6) NONFUA
△ DUBROVNIK VOR/DME (DBK)	423313.84N 0181638.79E				
Primjedbe o ruti: Jedinica kontrole: Zagreb ACC 135.8 MHZ; Dubrovnik APP 123.6 MHZ					

Označitelj rute {RNAV tip}	[Zapisi o korištenju rute]				
Naziv značajne točke	Koordinate značajne točke				Primjedbe
{RNAV tip}	Dist (NM)	Gornja granica / Donja granica	Smjer krstarećih razina ↓	Smjer krstarećih razina ↑	Jedinica kontrole {Klasifikacija zračnog prostora} Primjedbe
M178					
▲ NIKOL (FIR BDRY)	441319N 0134110E				For continuation see AIP Italy.
(RNAV 5)	41.4 NM	FL 205 5000 FT ALT	Even(2)	Odd(1)	{Klasa D/C} (1) NONFUA (2) NONFUA
△ PULA VOR/DME (PUL)	445332.52N 0135505.23E				
(RNAV 5)	36.2 NM	FL 205 7000 FT ALT	Even(3)	Odd(4)	{Klasa D/C} (3) NONFUA (4) NONFUA
△ GIRDA (FIR BDRY)	452832N 0140802E				For continuation see AIP Slovenia.
Primjedbe o ruti: Jedinica kontrole: Zagreb ACC 135.8 MHZ; Pula APP 124.6 MHZ					

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Označitelj rute {RNAV tip}	[Zapisi o korištenju rute]				
Naziv značajne točke	Koordinate značajne točke				Primjedbe
{RNAV tip}	Dist (NM)	Gornja granica / Donja granica	Smjer krstarećih razina ↓	Smjer krstarećih razina ↑	Jedinica kontrole {Klasifikacija zračnog prostora} Primjedbe
P735					
△ PEROT (FIR BDRY)	452402N 0190046E				For continuation see AIP Serbia and Montenegro.
(RNAV 5)	20.6NM	FL 205 5000 FT ALT		Odd(1)	{Klasa D/C} (1) NONFUA
△ CEPIN L (CE)	453142.33N 0183336.18E				
(RNAV 5)	20.0NM	FL 205 5000 FT ALT	Even(3)	Odd(2)	{Klasa D/C} (2) NONFUA (3) NONFUA
△ LAKIK	453608N 0180551E				
(RNAV 5)	40.9NM	FL 205 5000 FT ALT	Even(5)	Odd(4)	{Klasa D/C} (4) NONFUA (5) NONFUA
△ BARNA VOR/DME (VBA)	454452.08N 0170848.29E				
(RNAV 5)	36.3NM	FL 205 5000 FT ALT	Even(7)	Odd(6)	{Klasa C} (6) NONFUA (7) NONFUA
△ ZAGREB VOR/DME (ZAG)	455344.01N 0161824.11E				
(RNAV 5)	25.7NM	FL 205 8000 FT ALT	Even(9)	Odd(8)	{Klasa C} (8) NONFUA (9) NONFUA
△ MAGAM (FIR BDRY)	455822N 0154211E				For continuation see AIP Slovenia.
Primjedbe o ruti: Jedinica kontrole: Zagreb ACC 135.8 MHZ; Zagreb APP 120.7 MHZ; Osijek APP 118.8 MHZ					

Označitelj rute {RNAV tip}	[Zapisi o korištenju rute]				
Naziv značajne točke	Koordinate značajne točke				Primjedbe
{RNAV tip}	Dist (NM)	Gornja granica / Donja granica	Smjer krstarećih razina ↓	Smjer krstarećih razina ↑	Jedinica kontrole {Klasifikacija zračnog prostora} Primjedbe
P748					
▲ AIOSA (FIR BDRY)	415542N 0171454E				For continuation see AIP Italy.
(RNAV 5)	39.7NM	FL 205 5000 FT ALT	Even(2)	Odd(1)	{Klasa D/C} (1) NONFUA (2) NONFUA
△ LOKRU	422055N 0175608E				
(RNAV 5)	19.6NM	FL 205 6000 FT ALT	Even(4)	Odd(3)	{Klasa D/C} (3) NONFUA (4) NONFUA
△ DUBROVNIK VOR/DME (DBK)	423313.84N 0181638.79E				
Primjedbe o ruti: Jedinica kontrole: Zagreb ACC 135.8 MHZ; Dubrovnik APP 123.6 MHZ					

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ENR 4 RADIONAVIGACIJSKI UREĐAJI/SUSTAVI

ENR 4.1 RADIONAVIGACIJSKI UREĐAJI - NA RUTI

Naziv postaje (VOR/VAR)	ID	Frekvencija (CH)	Sati rada	Koordinate	ELEV DME antene	Primjedbe
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): LDLO, LDPL, LDRI; FRA (I)
DUBROVNIK VOR/DME (4°E/2019)	DBK	115.4 MHZ (CH101X)	H24	423313.84N 0181638.79E	550 FT	Coverage 80 NM -unusable between QDR 057°-073° MRA at 40 NM: QDR 179°-300° 3000 FT FRA (I)
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)	Sati rada	Koordinate	ELEV DME antene	Primjedbe
1	2	3	4	5	6	7
OSIJEK DME	KLS	(CH 30Y)	H24	452758.26N 0184732.16E	314 FT	Coverage 80 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, LDPL, LDRI; FRA (D): LDLO, LDRI; FRA (I)
RIJEKA VOR/DME (4°E/2019)	RJK	117.8 MHZ (CH 125X)	H24	451326.84N 0143401.06E	360 FT	Coverage 60 NM FRA (D): LDPL; FRA (I)
SALI NDB	SAL	421 KHZ	H24	435616.30N 0151005.19E		Coverage 30 NM FRA (A, D): 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	451453.23N 0152101.26E		Coverage 21 NM Military use.
VRSAR NDB	VRS	369 KHZ	H24	451236.66N 0133856.31E		Range 25 NM
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 KODNI NAZIV OZNAČITELJA ZNAČAJNIH TOČAKA

Kodni naziv označitelja	Koordinate	ATS rute ili druge rute	Primjedbe
1	2	3	4
ABLAT	452326N 0133734E	P28	FRA (AD): LJPZ
ADULA	451614N 0183831E	M19, P10	LDOS SID/STAR 11/29 FRA (AD): LDOS; FRA (I)
AIOSA	415542N 0171454E	L862, P748	LDDU STAR FRA (EX) - Even FLs for all entering aircraft, Odd FLs for all exiting aircraft
ALIVO	453124N 0144421E	P151	LDRI SID 14 LDRI SID 32 FRA (D): LDRI; FRA (I) FRA (EX): 7500 FT AMSL - FL 205
AMOLU	433047N 0155458E		LDSP STAR
AMUGO	423239N 0173502E	L611, M169	LDDU SID 11 LDDU SID 29 LDDU STAR 11/29 FRA (AD): LDDU; FRA (I)
ANAKO	435129.8N 0152730.2E		STAR: LDZD RWY 31 IAP: LDZD RWY 31
ARMIX	452857N 0141604E	Y560	FRA (I) FRA (X): 7500 FT AMSL - FL 205
BABAG	452313N 0130737E	N606	
BAMRO	432112N 0163648E		LDSP SID
BAPEK	453820.0N 0155439.7E		LDZA IAP 04
BAREB	454446N 0182448E	P10, Q571	LDOS SID 11/29 FRA (EX) - Even FLs for all exiting aircraft, Odd FLs for all entering aircraft
BAXON	442459N 0132747E		FRA (X) - Odd FLs for all exiting aircraft
BEDOX	461558N 0154934E		FRA (I)
BEPTU	440115.0N 0154124.7E		STAR: LDZD RWY 31 IAP: LDZD RWY 31
BEVIS	415558N 0181140E	A48	LDDU SID 11 LDDU SID 29 LDDU STAR 11/29 FRA (EX) - Even FLs for all entering aircraft, Odd FLs for all exiting aircraft
BIMSI	445542.4N 0143954.3E		LDRI IAP LDRI STAR 32

Kodni naziv označitelja	Koordinate	ATS rute ili druge rute	Primjedbe
1	2	3	4
BUGEV	452756N 0134624E	M167	FRA (EX): 7500 FT AMSL - FL 135
BUSET	453006N 0141327E		FRA (I)
CRAYE	413010N 0180745E	A48, A482, N138, W36	
DABAR	445556N 0151613E	L862, P11	FRA (I)
DAFRO	431226.9N 0163616.5E		LDSB IAP
DARZA	452942N 0150026E	L868	FRA (AD): LJLJ; FRA (I) FRA (EX): 7500 FT AMSL - FL 205
DEPET	444044N 0155810E	N748	FRA (I)
DEVUL	450749N 0162628E		FRA (I)
DEXIS	432647.7N 0160757.0E		LDSP IAP
DIDEX	455147.3N 0161508.0E		LDZA IAP 22
DIGOT	442324N 0154004E	L862, N748	FRA (I)
DINKO	440133.9N 0151632.0E		IAP: LDZD RWY 04
DIXUM	432945N 0171158E		FRA (I)
DOPUT	424410N 0175357E		LDDU SID 29
EBITA	442306N 0144609E	N606	LDLO SID/STAR/IAP FRA (AD): LDLO; FRA (I)
EDADI	435500.1N 0152257.8E		STAR: LDZD RWY 13 IAP: LDZD RWY 13
EDUGI	434727.78N 0141020.30E		FRA (X)
EKSON	453227.7N 0154548.4E		LDZA IAP 04 LDZA STAR 04
ELGUS	433252N 0145800E	M730, N748	STAR: LDZD RWY 04, LDZD RWY 13, LDZD RWY 31 FRA (A) LDZD; FRA (I)
ERASO	423345.7N 0175547.1E		LDDU IAP LDDU STAR 11
EVINI	450112N 0145854E	M986	FRA (I)
EVUGA	431541.3N 0162030.1E		LDSP IAP LDSP STAR 23

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Kodni naziv označitelja	Koordinate	ATS rute ili druge rute	Primjedbe
1	2	3	4
GAPRI	434141N 0154801E		LDSP SID/STAR
GEKSI	445311.7N 0133706.9E		LDPL IAP LDPL STAR 09
GELKO	445321.7N 0134408.5E		LDPL IAP
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 STAR 32 FRA (AD): LDPL; FRA (A): LDRI, FRA (I) FRA (EX): 7500 FT AMSL - FL 205
GISAM	415507N 0174531E	N138	FRA (EX) - Even FLs for all entering aircraft, Odd FLs for all exiting aircraft
GISER	450342N 0151026E	L862, L868	FRA (I)
GODLA	454142.4N 0154308.3E		LDZA IAP 04 LDZA STAR 04
GORPA	454623N 0152112E		FRA (A): LJLJ; FRA(I)
GOTRI	431811.7N 0160821.4E		LDSP IAP LDSP STAR 05
GUBOK	450241N 0175142E	N131, Q571	FRA (I)
IBENI	440051N 0135518E	M986	FRA (E) - Even FLs for all entering aircraft
IDNUM	432307.4N 0160358.2E		LDSP IAP
IRBUL	432917.5N 0155638.4E		LDSP IAP LDSP STAR 05
IPKIS	442206N 0141803E	M986	LDLO SID/STAR FRA (AD): LDLO; FRA (I)
IRDAX	452103.8N 0143157.0E		LDRI IAP LDRI STAR 14
IXONA	445044N 0133256E		FRA (I)
KATTI	423028N 0160256E	M169	FRA (EX) - Odd FLs for all entering aircraft, Even FLs for all exiting aircraft
KEMIX	431842N 0155527E		LDSP IAP LDSP SID LDSP STAR
KENEM	433800N 0165648E	Y88	LDSP SID 05 LDSP STAR 05 LDSP STAR 23 FRA (AD): LDSP; FRA (I)

Kodni naziv označitelja	Koordinate	ATS rute ili druge rute	Primjedbe
1	2	3	4
KOFER	415538N 0183949E	L611	FRA (D): LYTV; FRA (I)
KONAS	450012.5N 0133646.7E		LDPL IAP LDPL STAR 09
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, W45	LDPL STAR 09/27 LDRI STAR 14/32 FRA (A): LDPL, LDRI; FRA (I)
KUSIB	450853N 0162818E		FRA (I)
KUTIG	452605.5N 0183035.9E		LDOS IAP 11 LDOS STAR 11
LABIN	445909N 0130529E	L614	LDPL SID/STAR FRA (EX) - Odd FLs for all entering aircraft, Even FLs for all exiting aircraft
LAKIK	453608N 0180551E	P735, Q571	LDOS STAR 11 LDOS SID 29 FRA (AD): LDOS; FRA (I)
LANIR	444700.8N 0141626.9E		LDPL IAP LDPL STAR 27
LAPOV	450015N 0190544E	B54	
LASDU	424701N 0170854E	L611	LDDU SID 29 FRA (D): LDDU; FRA (I)
LASUL	432035N 0161256E		LDSP IAP LDSP STAR 23
LEBDI	441303.8N 0151152.9E		IAP: LDZD RWY 13
LEVPA	435957.9N 0152937.4E		IAP: LDZD RWY 31
LOKDI	412942N 0182022E	A482	
LOKRU	422055N 0175608E	L611, P748	LDDU SID 11 LDDU SID 29 LDDU STAR 11/29 FRA (D): LDDU; FRA (I)
LORVI	452948.1N 0184050.9E		LDOS IAP 11

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Kodni naziv označitelja	Koordinate	ATS rute ili druge rute	Primjedbe
1	2	3	4
LUKAV	442126N 0150027E		STAR: LDZD RWY 13 IAP: LDZD RWY 13
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	LDDU SID 11 LDDU SID 29 FRA (D): LDDU FRA (I)
MAGAM	455822N 0154211E	P735	FRA (AD): LJLJ; FRA (I) FRA (EX): 7500 FT AMSL - FL 205
MINTU	442024N 0144144E	W45	LDLO SID/STAR/IAP STAR: LDZD RWY 04, LDZD RWY 13/31 FRA (A): LDLO, LDZD; FRA (D): LDLO; FRA (I)
MODMU	430848.2N 0155520.2E		LDSP STAR 05
MOKUN	422701N 0182848E	L187	LDDU SID 11 LDDU SID 29 LDDU STAR 11/29 FRA (AD): LDDU; FRA (I)
MONFA	452914N 0131645E	M859	
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	M19, Q571	LDOS STAR 11/29 FRA (A): LDOS; FRA (I)
NEDID	442620.2N 0150725.4E		IAP: LDZD RWY 13
NEGVI	452004.7N 0142652.0E		LDRI IAP
NEKIN	462425.80N 0164212.15E		LDZA STAR
NEMEK	453429N 0151753E		FRA (I)
NERRA	425419N 0173236E	L607, P10	LDDU SID 29 LDDU STAR 11/29 FRA (A): LDDU; FRA (I)
NETKO	430230N 0173942E	P10	FRA (AD): LQMO; FRA (I)
NIGDO	450102.6N 0141554.4E		LDPL IAP LDPL STAR 27

Kodni naziv označitelja	Koordinate	ATS rute ili druge rute	Primjedbe
1	2	3	4
NIKOL	441319N 0134110E	M178	LDLO SID/STAR FRA (E) - Even FLs for all entering aircraft
NIVES	451326N 0155427E	Y137	LDZA SID 04/22 FRA (D): LDZA; FRA (I)
NOBRU	441632.4N 0145328.9E		STAR: LDZD RWY 13 IAP: LDZD RWY 13
NOVLO	451346N 0165711E	L196, L604,	FRA (I)
NUPSO	440803N 0155108E	L862	LDSP STAR 23 FRA (A): LDSP FRA (I)
NURAT	432640.8N 0162019.6E		LDSP IAP
NUSKA	450536.6N 0144154.7E		LDRI IAP
OBALA	445513N 0145821E	L615, P11	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
ODOKA	455801.1N 0161340.1E		LDZA IAP 22 LDZA STAR 22
OKLAX	435203N 0160234E	L862	LDSP STAR 05 FRA (A): LDSP; FRA (I)
OKROV	431848.1N 0154153.1E		LDSP STAR 05
OLEGU	422906.1N 0180754.0E		LDDU IAP LDDU STAR 29
ORAKA	423213N 0171202E	M169, N138	LDDU STAR 11/29 LDDU SID 29 LDSB STAR 04/22 LDSP SID 05/23 LDSP STAR 05 FRA (A): LDSB FRA (AD): LDDU, LDSP; FRA (I)
ORVAT	432948N 0171256E	Y128	FRA (I)
OSDUK	454714.91N 0180800.97E		LDOS STAR 11
OSGOL	432229N 0160332E		LDSP STAR/IAP
OSTAK	440331.0N 0150557.8E		STAR: LDZD RWY 04 IAP: LDZD RWY 04
PALEZ	443430N 0153159E	L614, L862, Y137	SID: LDZD RWY 04/22, LDZD RWY 13/31 FRA (D): LDZD; FRA (I)

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Kodni naziv označitelja	Koordinate	ATS rute ili druge rute	Primjedbe
1	2	3	4
PEMUD	450247.1N 0150218.3E		LDRI IAP LDRI STAR 32
PEPIM	444611.0N 0133727.0E		LDPL IAP LDPL STAR 09
PERIP	430515.3N 0165031.1E		LDSB IAP LDSB STAR 04/22
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	N606	LDPL SID 09 LDPL SID 27 FRA (EX) - Odd FLs for all entering aircraft, Even FLs for all exiting aircraft
PEVON	433331N 0170224E	Z924	FRA (I)
PILAP	424313.8N 0175151.5E		LDDU IAP LDDU STAR 11
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/STAR FRA (AD): 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)
RERNA	455735.6N 0162402.7E		LDZA IAP 22 LDZA STAR 22
RIGVA	421614N 0181422E	A48	LDDU SID 11
RILIM	423931N 0164856E	L862	LDSB STAR 04/22 LDSP SID 05 LDSP STAR 05 LDSP STAR 23 FRA (A): LDSB; FRA (AD): LDSP; FRA (I)
RILNO	431800N 0162121E		LDSP STAR/IAP

Kodni naziv označitelja	Koordinate	ATS rute ili druge rute	Primjedbe
1	2	3	4
RIMUG	435413.2N 0152027.8E		STAR: LDZD RWY 04 IAP: LDZD RWY 04
RODGO	435622.6N 0153426.9E		STAR: LDZD RWY 31 IAP: LDZD RWY 04, LDZD RWY 31
ROGOV	433113N 0154359E		LDSP SID/STAR
ROLBA	455025N 0153918E		FRA (I)
RORKA	432918.0N 0162331.0E		LDSP IAP 23 LDSP VAC
ROTAR	451546N 0125944E	L615, M167, P11	LDPL STAR LDRI STAR 14 FRA (EX) - Odd FLs for all entering aircraft, Even FLs for all exiting aircraft
RUDIK	445948N 0161818E	M725	LDZA STAR 04/22 FRA (A): LDZA; FRA (I)
RUGOG	451641N 0151845E	M986	LDRI SID 14 LDRI SID 32 FRA (D): LDRI; FRA (I)
SABAD	452757N 0145203E	L862	FRA (AD): LJLJ; FRA (I) FRA (EX): 7500 FT AMSL - FL 205
SAJLO	432005.0N 0164336.8E		LDSB IAP
SATOL	434622N 0155230E		LDSP SID
SIPAL	430812N 0170425E	L607	LDDU STAR 11 LDSB SID/STAR 04/22 LDSP SID 05 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)
SITPA	445350.7N 0140636.9E		LDPL IAP
SIVLA	450607N 0182254E	L863	FRA (I)
SOGRA	435350.2N 0150702.6E		STAR: LDZD RWY 04 IAP: LDZD RWY 04, LDZD RWY 13, LDZD RWY 31
SOMIG	431014N 0160426E	M725, Z924	FRA (I)
SONIK	442654N 0160836E	L614	FRA (I)
SORDO	452255.7N 0141021.7E		LDRI IAP LDRI STAR 14

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Kodni naziv označitelja	Koordinate	ATS rute ili druge rute	Primjedbe
1	2	3	4
TAFNI	453215.6N 0155551.9E		LDZA IAP 04 LDZA STAR 04
TEBLI	451205N 0164033E	L187	LDZA SID/STAR 04/22 FRA (A): LDZA, LQBK; FRA (D): LDZA, LQBK; FRA (I)
TEPKO	414427N 0182541E	W36	
TIBRI	422438N 0183315E	L187	FRA (I)
TIKSA	430103N 0171852E	L607, Y128	LDDU STAR 11 FRA (A) LDDU FRA (I)
TILVO	422046N 0183327E		FRA (I)
TINBO	454903.8N 0162538.1E		LDZA IAP 22 LDZA STAR 22
TORPO	433351N 0142529E	M730	LDSP SID 05/23 LDSP STAR 05/23 FRA (EX) - Odd FLs for all entering aircraft, Even FLs for all exiting aircraft
TUPUS	451315N 0155323E		FRA (I)
TUVAR	450736N 0190439E	M19, P11	LDOS SID 11/29 LDOS STAR 29 FRA (A): LDOS; FRA (D): LDOS / LYBE; FRA (I)
ULPIN	444213N 0143914E	L607, M986	LDLO SID/STAR FRA (AD): LDLO; FRA (I)
UMBEK	453240N 0132511E	M859	
UMSON	433109N 0154603E	L611, M730	FRA (I)
UNIPA	440146N 0162858E	L196	LDSP SID 05 LDSP SID 23 FRA (D): LDSP; FRA (I)
UVODI	430639N 0163231E	L611, L862	FRA (I)
VAKSU	420051N 0183137E	L611	FRA (I)
VANAX	460228N 0154353E		FRA (I)
VAPUP	430321N 0151220E	L5	LDSP STAR 05 LDSP STAR 23 FRA (E) - Odd FLs for all entering aircraft
VEBAL	455929N 0171748E	L196	LDZA STAR 04/22 FRA (EX) - Even FLs for all entering aircraft, Odd FLs for all exiting aircraft

Kodni naziv označitelja	Koordinate	ATS rute ili druge rute	Primjedbe
1	2	3	4
VELIT	432106N 0171638E	M730	LDSP SID 05 LDSP STAR 05 LDSP STAR 23 FRA (AD): LDSP, LQMO; FRA (I)
VELUG	425427N 0152615E	Z924	LDSP SID 05 LDSP SID 23 FRA (X) - Even FLs for all exiting aircraft
VIBOP	445957N 0184339E	B54, P10, P11	LDOS STAR 29 FRA (A): LDOS, LQTZ; FRA (D): LQTZ; FRA (I)
XAMIT	431842N 0144752E	N748	FRA (X) - Odd FLs for all exiting aircraft
XOLTA	424214N 0154454E		FRA (EX) - Even FLs for all entering aircraft, Odd FLs for all exiting aircraft

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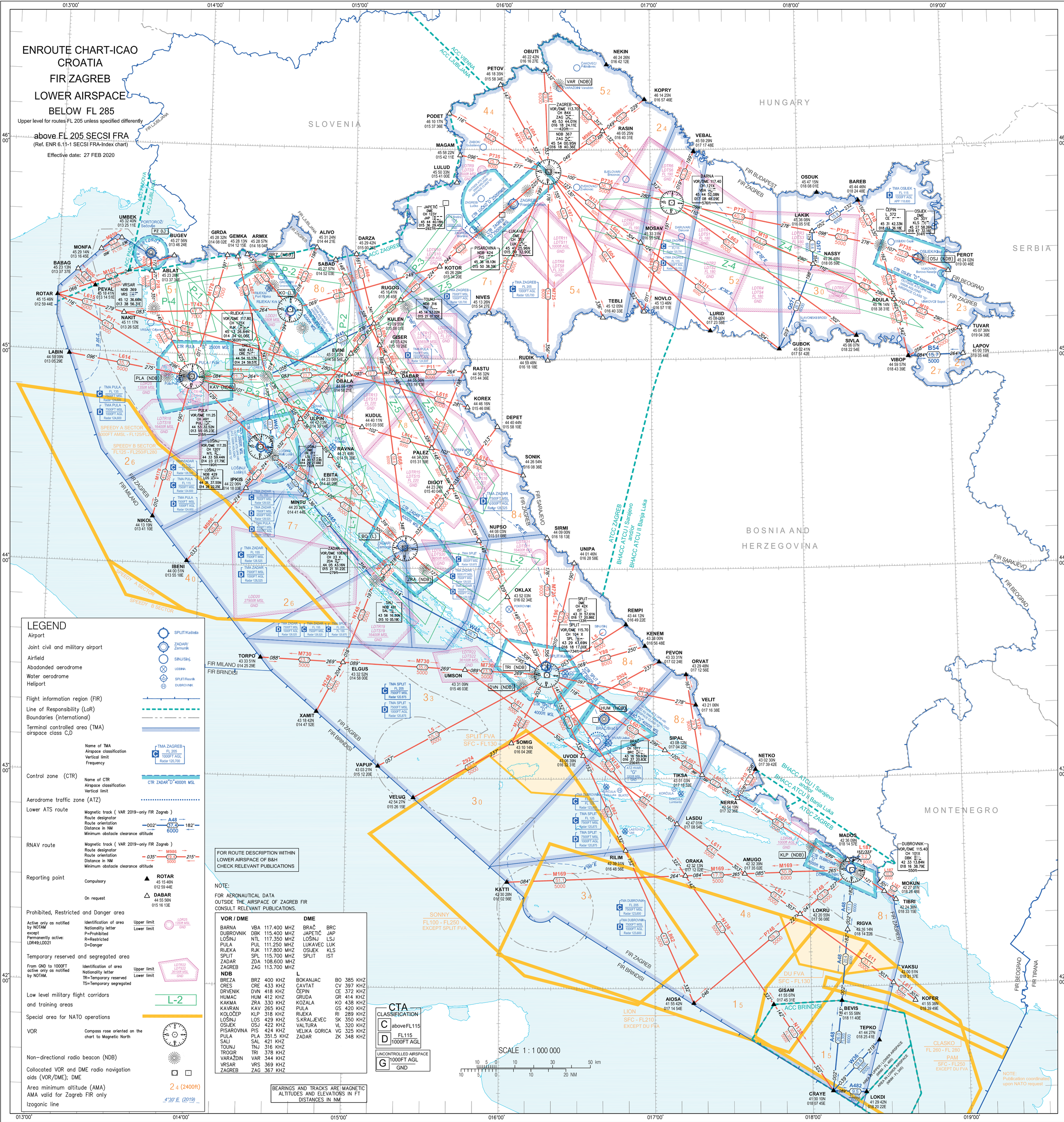
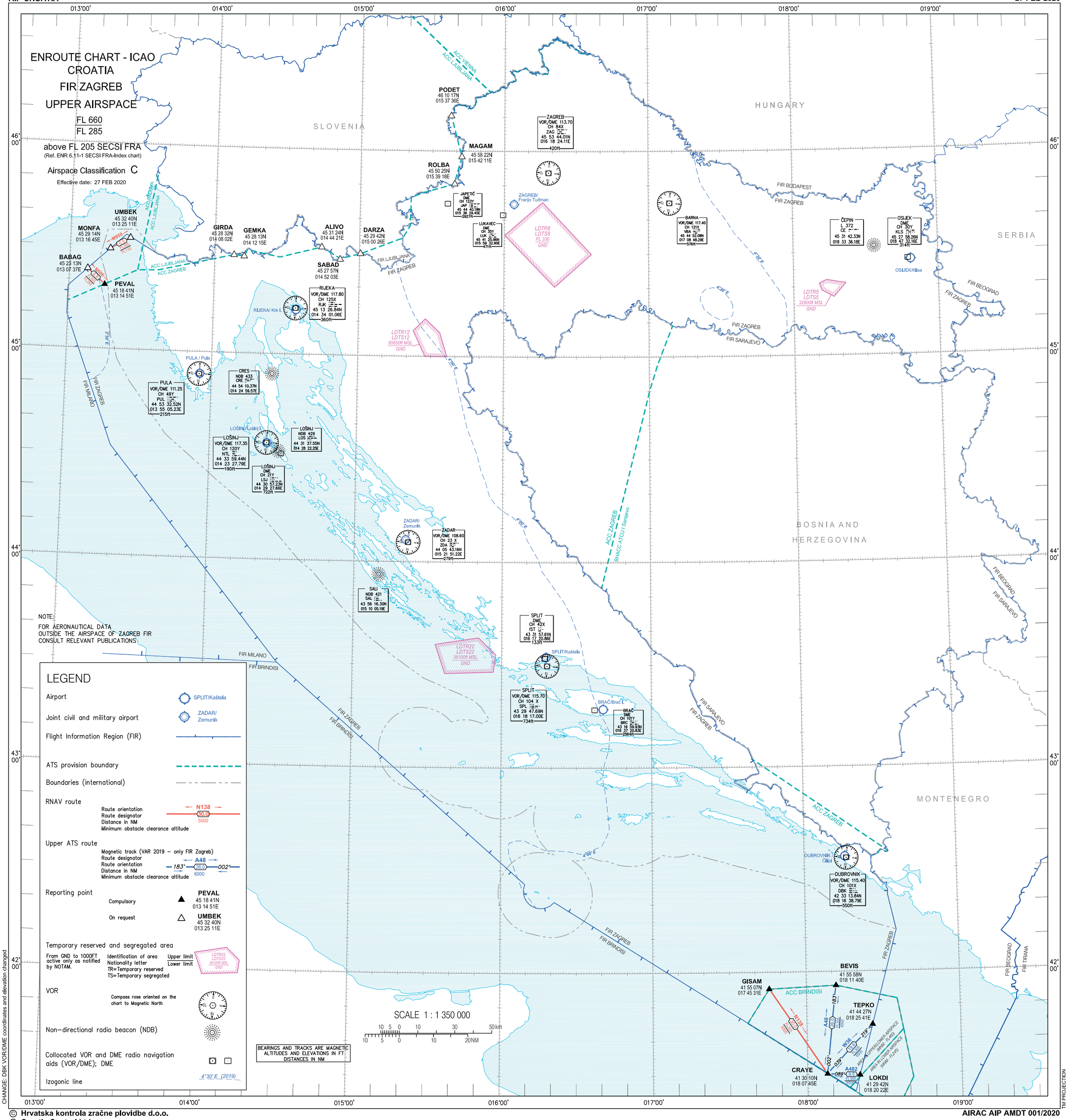

ENROUTE CHART-ICAO
CROATIA
FIR ZAGREB
LOWER AIRSPACE
BELOW FL 285
Upper level for routes FL 205 unless specified differently
above FL 205 SECSI FRA
(Ref. ENR 6.11-1 SECSI FRA-Index chart)
Effective date: 27 FEB 2020
SLOVENIA
HUNGARY
SERBIA
BOSNIA AND HERZEGOVINA
MONTENEGRO
FIR ZAGREB
FIR BUDAPEST
FIR BEOGRAD
FIR SARAJEVO
FIR TIRANA
FIR MILANO
FIR BRINDISI
ACC VIENNA
ACC LJUBLJANA
ACC PADOVA
ACC BRINDISI
ATCC ZAGREB
BHACC ATCU I Sarajevo and/or BHACC ATCU II Banja Luka
SPEEDY A SECTOR
SPEEDY B SECTOR
SPEEDY A SECTOR
SPEEDY B SECTOR
SONNY
FL100 - FL250
EXCEPT SPLIT FVA
SPLIT FVA
SFC - FL130
LION
SFC - FL210
EXCEPT DU FVA
DU FVA
SFC - FL130
CLASKO
FL 260 - FL 280
PAM
SFC - FL250
EXCEPT DU FVA
NOTE:
Publication coordinated upon NATO request
LEGEND
Airport
Joint civil and military airport
Airfield
Abadonded aerodrome
Water aerodrome
Heliport
Flight information region (FIR)
Line of Responsibility (LoR)
Boundaries (international)
Terminal controlled area (TMA) airspace class C,D
Name of TMA
Airspace classification
Vertical limit
Frequency
Control zone (CTR)
Name of CTR
Airspace classification
Vertical limit
Aerodrome traffic zone (ATZ)
Lower ATS route
Magnetic track (VAR 2019–only FIR Zagreb)
Route designator
Route orientation
Distance in NM
Minimum obstacle clearance altitude
RNAV route
Magnetic track (VAR 2019–only FIR Zagreb)
Route designator
Route orientation
Distance in NM
Minimum obstacle clearance altitude
Reporting point
Compulsory
On request
Prohibited, Restricted and Danger area
Active only as notified by NOTAM except Permanently active: LDR49;LDD21
Identification of area
Nationality letter
P=Prohibited
R=Restricted
D=Danger
Upper limit
Lower limit
Temporary reserved and segregated area
From GND to 1000FT active only as notified by NOTAM.
Identification of area
Nationality letter
TR=Temporary reserved
TS=Temporary segregated
Upper limit
Lower limit
Low level military flight corridors and training areas
Special area for NATO operations
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
Izogonic line
FOR ROUTE DESCRIPTION WITHIN LOWER AIRSPACE OF B&H CHECK RELEVANT PUBLICATIONS
NOTE:
FOR AERONAUTICAL DATA OUTSIDE THE AIRSPACE OF ZAGREB FIR CONSULT RELEVANT PUBLICATIONS.
VOR / DME
DME
NDB
L
CTA
CLASSIFICATION
C above FL115
D FL115 1000FT AGL
UNCONTROLLED AIRSPACE
G 1000FT AGL GND
SCALE 1 : 1 000 000
BEARINGS AND TRACKS ARE MAGNETIC
ALTITUDES AND ELEVATIONS IN FT
DISTANCES IN NM
CHANGE: A48, L607, L614, L868, M986; changed route segment; KUDUL, RAVNA, RIGVA and RUGOG added; ALANU withdrawn; DBK VOR/DME coordinates and elevation changed
TM PROJECTION



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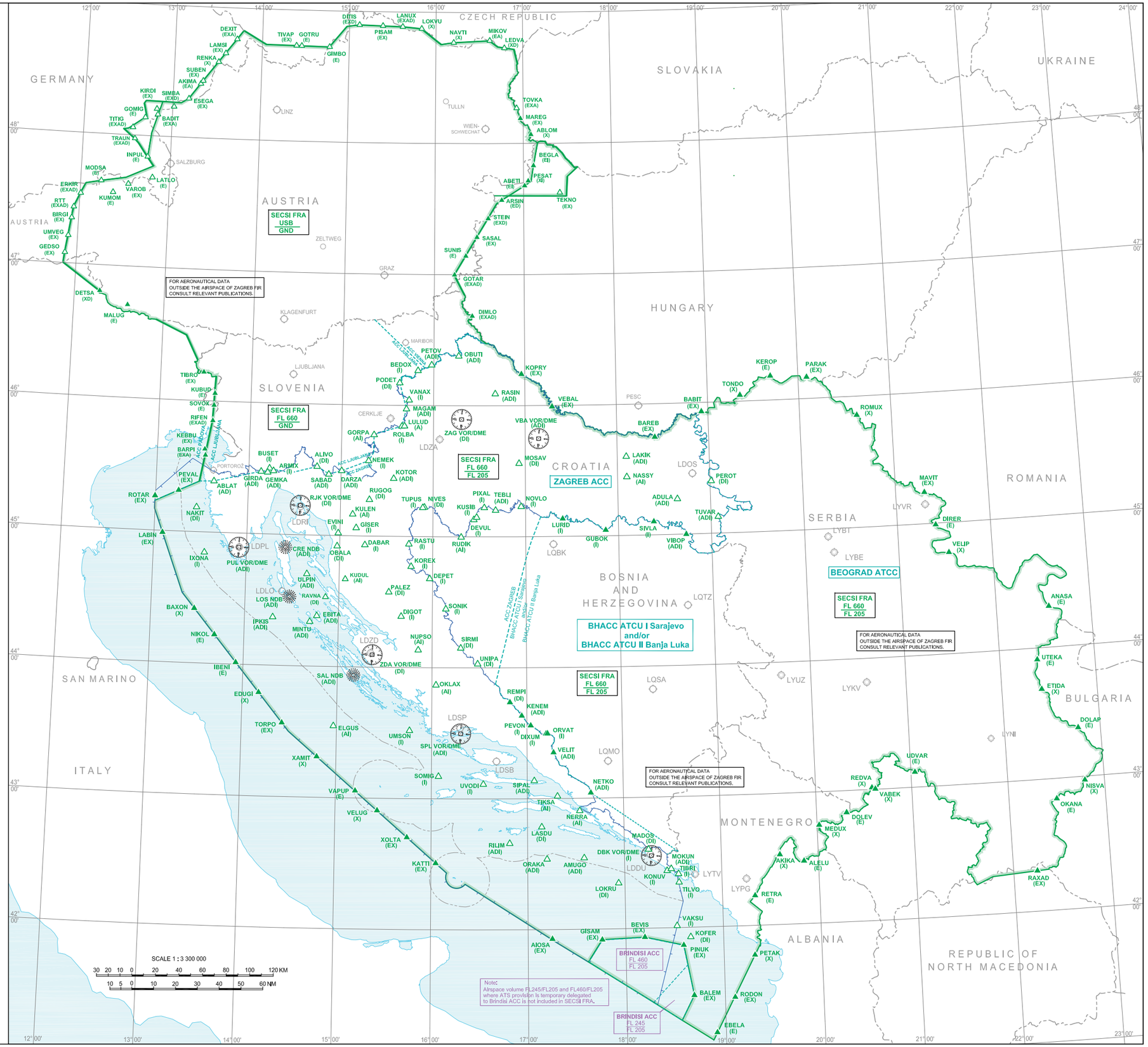
FREE ROUTE AIRSPACE
ZAGREB FIR

FL 660
FL 205

SECSI FRA

Effective date: 27 FEB 2020



LEGEND

FRA boundary	
Boundaries (international)	
FRA relevance	E - entry X - exit A - arrival D - departure I - intermediate
Reporting point	on - request compulsory
Compulsory reporting point PEVAL to entry/exit FRA	PEVAL (EX)
Airport	LDSP
Joint civil and military airport	LDZD
FRA relevance	ZAG VOR DME
VOR — Compass rose oriented on the chart to Magnetic North	
Non-directional radio beacon (NDB)	
Collocated VOR and DME radio navigation aids (VOR/DME)	

CHANGE: KUDUL and RAVNA added; ELGUS and PALEZ FRA Relevance

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LDDU AD 2.24.8 SID RNAV RWY 11 - 1
LDDU AD 2.24.8 SID RWY 29 - 1
LDDU AD 2.24.8 SID RNAV RWY 29 - 1
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LDLO AD 2.11 Raspoložive meteorološke informacije . . . . . LDLO AD 2 - 4
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LDLO AD 2.13 Objavljene udaljenosti . . . . . LDLO AD 2 - 5
LDLO AD 2.14 Prilazna svjetla i osvjetljenje uzletno-sletne staze . . . . . LDLO AD 2 - 5
LDLO AD 2.15 Ostala osvjetljenja, sekundarni izvori električne energije . . . . . LDLO AD 2 - 5
LDLO AD 2.16 Prostor za slijetanje helikoptera . . . . . LDLO AD 2 - 5
LDLO AD 2.17 Zračni prostor u nadležnosti ATS-a . . . . . LDLO AD 2 - 6
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LDLO AD 2.20 Lokalni aerodromski propisi . . . . . LDLO AD 2 - 8
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LDLO AD 2.24.1 ADC - 1
LDLO AD 2.24.2 APDC - 1
LDLO AD 2.24.4 AOC RWY 02/20 - 1
LDLO AD 2.24.8 SID RWY 02 - 1
LDLO AD 2.24.8 SID RWY 20 - 1
LDLO AD 2.24.10 STAR RWY 02/20 - 1
LDLO AD 2.24.12 IAC NDB-a RWY 02/20 CAT A&B - 1
LDLO AD 2.24.12 IAC VOR RWY 02 CAT A&B -1
LDLO AD 2.24.13 VOC - 1

AD 2 Aerodromi

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LDOS AD 2.1 Naziv i oznaka aerodroma . . . . . LDOS AD 2 - 1

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LDOS AD 2.24 Popratne karte aerodroma . . . . . LDOS AD 2 - 14
LDOS AD 2.24.1 ADC - 1
LDOS AD 2.24.2 APDC - 1
LDOS AD 2.24.4 AOC RWY 11/29 - 1
LDOS AD 2.24.8 SID RWY 11 - 1
LDOS AD 2.24.8 SID RNAV RWY 11 - 1
LDOS AD 2.24.8 SID RWY 29 - 1
LDOS AD 2.24.8 SID RNAV RWY 29 - 1
LDOS AD 2.24.10 STAR RWY 11 - 1
LDOS AD 2.24.10 STAR RNAV RWY 11 - 1
LDOS AD 2.24.10 STAR RWY 29 - 1
LDOS AD 2.24.12 IAC L RWY 11 - 1
LDOS AD 2.24.12 IAC ILS or LOC RWY 11 -1
LDOS AD 2.24.12 IAC NDBy RWY 11 - 1
LDOS AD 2.24.12 IAC NDBz RWY 11 - 1
LDOS AD 2.24.12 IAC NDB RWY 29 - 1
LDOS AD 2.24.12 IAC ILSx or LOCx RWY 29 CAT A&B - 1
LDOS AD 2.24.12 IAC ILSy or LOCy RWY 29 - 1
LDOS AD 2.24.12 IAC RNAV (GNSS) RWY 11 - 1
LDOS AD 2.24.13 VOC - 1

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LDPL AD 2.1 Naziv i oznaka aerodroma . . . . . LDPL AD 2 - 1

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LDPL AD 2.24.8 SID RWY 09 - 1
LDPL AD 2.24.8 SID RNAV RWY 09 - 1
LDPL AD 2.24.8 SID RWY 27 - 1
LDPL AD 2.24.8 SID RNAV RWY 27 - 1
LDPL AD 2.24.10 STAR RWY 09/27 - 1
LDPL AD 2.24.10 STAR RNAV RWY 09 - 1
LDPL AD 2.24.10 STAR RNAV RWY 27 - 1
LDPL AD 2.24.11 ATCSMAC - 1
LDPL AD 2.24.12 IAC L RWY 09 - 1
LDPL AD 2.24.12 IAC VOR RWY 09 - 1
LDPL AD 2.24.12 IAC NDBy RWY 27 - 1
LDPL AD 2.24.12 IAC NDBz RWY 27 CAT A/B - 1
LDPL AD 2.24.12 IAC VOR RWY 27 - 1
LDPL AD 2.24.12 IAC ILS or LOC RWY 27 - 1
LDPL AD 2.24.12 IAC RNAV (GNSS) RWY 09 - 1
LDPL AD 2.24.12 IAC RNAV (GNSS) RWY 27 - 1
LDPL AD 2.24.13 VOC - 1
LDPL AD 2.24.14 BC - 1

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AD 2 Aerodromi

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LDRI AD 2.24.2 APDC - 1
LDRI AD 2.24.4 AOC RWY 14/32 - 1
LDRI AD 2.24.8 SID RWY 14 - 1
LDRI AD 2.24.8 SID RNAV RWY 14 - 1
LDRI AD 2.24.8 SID RWY 32 - 1
LDRI AD 2.24.8 SID RNAV RWY 32 - 1
LDRI AD 2.24.10 STAR RWY 14/32 - 1
LDRI AD 2.24.10 STAR RNAV RWY 14 - 1
LDRI AD 2.24.10 STAR RNAV RWY 32 - 1
LDRI AD 2.24.12 IAC L RWY 14 - 1
LDRI AD 2.24.12 IAC VOR RWY 14 - 1
LDRI AD 2.24.12 IAC ILS or LOC RWY 14 - 1
LDRI AD 2.24.12 IAC Ly RWY 32 - 1
LDRI AD 2.24.12 IAC Lz RWY 32 - 1
LDRI AD 2.24.12 IAC VOR RWY 32 - 1
LDRI AD 2.24.12 IAC RNAV (GNSS) RWY 14 - 1
LDRI AD 2.24.12 IAC RNAV (GNSS) RWY 32 - 1
LDRI AD 2.24.13 VOC - 1

AD 2 Aerodromi

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LDSB AD 2.24 Popratne karte aerodroma . . . . . LDSB AD 2 - 11

LDSB AD 2.24.1 ADC - 1
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LDSB AD 2.24.4 AOC RWY 04/22 - 1
LDSB AD 2.24.8 SID RWY 04 CAT A/B&C - 1
LDSB AD 2.24.8 SID RNAV RWY 04 - 1
LDSB AD 2.24.8 SID RWY 22 CAT A/B&C - 1
LDSB AD 2.24.8 SID RNAV RWY 22 - 1
LDSB AD 2.24.10 STAR RWY 04/22 CAT A/B&C - 1
LDSB AD 2.24.10 STAR RNAV RWY 04/22 - 1
LDSB AD 2.24.12 IAC NDB RWY 04 - 1
LDSB AD 2.24.12 IAC VOR-a RWY 04/22 - 1
LDSB AD 2.24.12 IAC NDB-a RWY 22 - 1
LDSB AD 2.24.12 IAC NDB RWY 22 -1
LDSB AD 2.24.12 IAC RNAV (GNSS) RWY 04 -1
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AD 2 Aerodromi

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LDSP AD 2.24.12 IAC NDB RWY 05 - 1
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LDZA AD 2.24.8 SID RNAV RWY 22 - 1
LDZA AD 2.24.10 STAR RWY 04 - 1
LDZA AD 2.24.10 STAR RNAV RWY 04 - 1
LDZA AD 2.24.10 STAR RWY 22 - 1
LDZA AD 2.24.10 STAR RNAV RWY 22 - 1
LDZA AD 2.24.11 ATCSMAC - 1
LDZA AD 2.24.12 IAC L RWY 04 - 1
LDZA AD 2.24.12 IAC ILS or LOC RWY 04 - 1
LDZA AD 2.24.12 IAC Ly RWY 22 - 1
LDZA AD 2.24.12 IAC Lz RWY 22 - 1
LDZA AD 2.24.12 IAC ILS or LOC RWY 22 - 1
LDZA AD 2.24.12 IAC RNP RWY 04 - 1
LDZA AD 2.24.12 IAC RNP RWY 22 - 1
LDZA AD 2.24.13 VOC - 1
LDZA AD 2.24.14 BC - 1

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AD 2 Aerodromi

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LDZD AD 2.24.8 SID RWY 13 - 1
LDZD AD 2.24.8 SID RNAV RWY 13 - 1
LDZD AD 2.24.8 SID RWY 22 - 1
LDZD AD 2.24.8 SID RNAV RWY 22 - 1
LDZD AD 2.24.8 SID RWY 31 - 1
LDZD AD 2.24.8 SID RNAV RWY 31 - 1
LDZD AD 2.24.10 STAR RWY 04 & 13/31 - 1
LDZD AD 2.24.10 STAR RNAV RWY 04 - 1
LDZD AD 2.24.10 STAR RNAV RWY 13 - 1
LDZD AD 2.24.10 STAR RNAV RWY 31 - 1
LDZD AD 2.24.11 ATCSMAC - 1
LDZD AD 2.24.12 IAC VOR RWY 04 - 1
LDZD AD 2.24.12 IAC Ly RWY 13 - 1
LDZD AD 2.24.12 IAC Lz RWY 13 - 1
LDZD AD 2.24.12 IAC VOR RWY 13 - 1
LDZD AD 2.24.12 IAC ILS or LOC RWY 13 - 1
LDZD AD 2.24.12 IAC L RWY 31 - 1
LDZD AD 2.24.12 IAC VOR RWY 31 - 1
LDZD AD 2.24.12 IAC RNP RWY 04 - 1
LDZD AD 2.24.12 IAC RNP Y RWY 13 - 1
LDZD AD 2.24.12 IAC RNP Z RWY 13 - 1
LDZD AD 2.24.12 IAC RNP RWY 31 - 1
LDZD AD 2.24.13 VOC - 1

OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA

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AD 1 AERODROMI/HELIDROMI - UVOD

AD 1.1 RASPOLOŽIVOST I UVJETI ZA UPOTREBU AERODROMA/HELIDROMA

AD 1.1.1 OPĆI UVJETI

Nadležno tijelo za aerodrome i helidrome u Republici Hrvatskoj je Hrvatska agencija za civilno zrakoplovstvo.

Civilni zrakoplovi ne smiju sletjeti na aerodrome u Republici Hrvatskoj koji nisu dio ovog zbornika, osim u slučaju pojave prave opasnosti tijekom leta ili kada je operator aerodroma ishodio posebno odobrenje. Takvi aerodromi/helidromi raspoloživi su isključivo za privatne letove, a vlasnik mora ishoditi odobrenje za uporabu.

Primjenjuju se standardi i preporučene prakse (SARPS) ICAO Aneksa 14, vol. I i II i srodna ICAO dokumentacija.

AD 1.1.2 UPOTREBA VOJNIH ZRAKOPLOVNIH BAZA

Vojnim aerodromima upravlja Ministarstvo obrane Republike Hrvatske (ZZP čl. 31.).

U slučaju korištenja vojnog aerodroma ili dijela vojnog aerodroma za operacije civilnih zrakoplova, operator mora ishoditi odobrenje direktno od Ministarstva obrane Republike Hrvatske (ZZP. čl. 31.).

AD 1.1.3 POSTUPCI U UVJETIMA SMANJENE VIDLJIVOSTI (LVP)

AD 1.1.3.1 Uvod

Niže navedeni postupci su osnovne informacije operatorima i pilotima o specifičnim pravilima i propisima za postupke pri smanjenoj vidljivosti (LVP) u Republici Hrvatskoj, uključujući prilaženje i slijetanje CAT II/III i uzlijetanje pri smanjenoj vidljivosti (LVTO). Kontrola zračnog prometa (KZP) primjenjuje posebnu zaštitu i postupke kod LVP, koji stupaju na snagu u zavisnosti od specifičnih vremenskih prilika. Svrha je tih postupaka pružiti zaštitu zrakoplovima koji lete u uvjetima smanjene vidljivosti i izbjeći ometanje ILS signala. Kategorije preciznih operacija su:

- ILS operacije kategorije I (CAT I) - precizno instrumentalno prilaženje i slijetanje s visinom odluke (DH) ne nižom od 60 M (200 FT) i RVR-om ne manjim od 550 M ili vidljivošću ne manjom od 800 M.
- ILS operacije kategorije II (CAT II) - precizno instrumentalno prilaženje i slijetanje s DH nižom od 60 M (200 FT), ali ne nižom od 30 M (100 FT) i RVR-om ne manjim od 350 M ili 300 M za zrakoplove koji provode automatsko slijetanje.
- ILS operacije kategorije III A (CAT III A) - precizno instrumentalno prilaženje i slijetanje s DH nižom od 30 M (100 FT) ili bez DH i RVR-om ne manjim od 200 M.
- ILS operacije kategorije III B (CAT III B) - precizno instrumentalno prilaženje i slijetanje s DH nižom od 15 M (50 FT) ili bez DH i RVR-om manjim od 200 M, ali ne manjim od 75 M.
- Uzlijetanje pri smanjenoj vidljivosti (LVTO) - uzlijetanje s uzletno-sletne staze na kojoj je RVR manji od 400 M.

Primjenjivi ICAO i nacionalni dokumenti su:

1. ICAO Annex 6 Operation of Aircraft
2. ICAO Annex 10, Volume I Aeronautical Telecommunications
3. ICAO Annex 14 Aerodromes

4. ICAO Document 4444 Air Traffic Management

5. ICAO Document 8168 PANS-OPS Aircraft Operations

6. ICAO Document 8071 Manual on Testing of Radio-Navigation Aids

7. ICAO Document 9365-AN/910 Manual of All Weather Operations (except ch.4, para 2 and ch.6, para 1)

8. ICAO Document 9476-AN/927 Manual of Surface Movement Guidance and Control System

9. EUR Document 013 European Guidance material on Aerodrome Operations under Limited Visibility Conditions

10. JAR OPS 1 Sekcija 1. Odjeljak E Operacije u svim vremenskim uvjetima

11. Zakon o zračnom prometu

12. Pravilnik o letenju zrakoplova

AD 1.1.3.2 Postupci i odstupanja

U daljnjem tekstu sažeto su navedene najznačajnije odredbe, postupci, te odgovarajuća odstupanja ili dodatni propisi.

AD 1.1.3.2.1 Oprema aerodroma

AD 1.1.3.2.1.1 Fizičke karakteristike

Uzletno-sletne staze i staze za vožnju sukladne su standardu i preporučenoj praksi (SARPS) ICAO Aneksa 14, zavisno od kategorije za koju su certificirane (vidi AIP AD 2 odgovarajućeg aerodroma).

Certificirana uzletno-sletna staza za operacije pri smanjenoj vidljivosti CAT II/III je:

- LDZA - prilaženje i slijetanje RWY 04 CAT II/IIIB
- LDZA - uzlijetanje pri smanjenoj vidljivosti RWY 04

AD 1.1.3.2.1.2 Kriteriji za nadvišavanje prepreka i zone bez prepreka (OFZ)

Na aerodromima i u zračnom prostoru oko aerodroma ne smije biti prepreka iznad zaštitnih ravnina za precizno prilaženje, sukladno ICAO Annex 14, Chapter 4 (Obstacle Free Zone) i ICAO Doc. 8168 PANS-OPS, Volume II (Obstacle Assessment Surface - OAS).

Objekt koji probija jednu od površina ograničavanja prepreka postaje kontrolna prepreka za proračun OCA/H.

Tijekom operacija CAT II/III u OFZ ne smije biti prepreka, kao što su vozila, osobe i zrakoplovi, cijelo vrijeme nakon što zrakoplov u prilaženju preleti OM.

Oprema i postrojenja u okolici uzletno-sletne staze, značajni za zrakoplovnu navigaciju (npr. GP antena, jedinice za utvrđivanje RVR-a, itd.), minimalne su mase, lomljive konstrukcije i smješteni su izvan OFZ.

AD 1.1.3.2.1.3 Teren ispred praga RWY-a

Karta terena preciznog prilaza (vidi str. AD 2.24.6 PATC odgovarajućeg aerodroma) raspoloživa je za svaku uzletno-sletnu stazu ovjerenu za ILS operacije CAT II/III sukladno SARPS ICAO Annex 4 i Annex 14.

AD 1.1.3.2.2 Vizualna sredstva

AD 1.1.3.2.2.1 Prilazna svjetla

Prilazna svjetla uzletno-sletnih staza za precizno prilaženje (vidi AD 2.14 odgovarajućeg aerodroma) sukladna su SARPS ICAO Annex-a 14.

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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	123.6 MHZ	H24	Primary FREQ
	DUBROVNIK RADAR	125.4 MHZ	H24	ALTN FREQ
	DUBROVNIK RADAR	121.5 MHZ	H24	EMERG FREQ
TWR	DUBROVNIK TORANJ / DUBROVNIK TOWER	129.5 MHZ	H24	Primary FREQ If no contact on TWR frequency, contact Dubrovnik Radar.
		125.4 MHz	H24	ALTN FREQ If no contact on TWR frequency, contact Dubrovnik Radar.
ATIS	DUBROVNIK ATIS	118.425 MHZ	H24	

LDDU AD 2.19 RADIONAVIGACIJSKI I UREĐAJI ZA SLIJETANJE

Vrsta uređaja CAT ILS/MLS (Za VOR/ILS/MLS, dati 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	423313.84N 0181638.79E	550 FT	Pokrivanje 80 NM - neupotrebljivo između QDR 057° - 073° MRA at 40 NM: QDR 179° - 300° 3000 FT
VOR/DME (4°E/2019)	SPL	115.7 MHZ CH104X	H24	432947.69N 0161817.00E	734 FT	Domet 100 NM
NDB	KLP	318 KHZ	H24	424009.42N 0180115.07E		297°MAG/11.73 NM from THR 11 Domet 50 NM
L	CV	397 KHZ	H24	423506.68N 0181245.51E		1.9 NM from THR 11 Domet 15 NM
L	GR	414 KHZ	H24	423226.26N 0181914.97E		1.9 NM from THR 29 Domet 15 NM - neupotrebljiv između QDR 044°-089° u smjeru kazaljke na satu.
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		
DME 11	IDU	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

LDDU AD 2.20 LOKALNI AERODROMSKI PROPISI

Prilikom ulaska/izlaska sa bilo koje parkirne pozicije, vožnje na zemlji ili vožnje helikoptera zrakom (*air-taxiing*) moraju se slijediti upute aerodromske kontrole zračnog prometa i signaliste.

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

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

Zrakoplov mora tražiti odobrenje za izguravanje i pokretanje motora tek nakon što je:

- vozilo za izguravanje pričvršćeno,

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- komunikacija sa zemaljskim osobljem uspostavljena,
- zrakoplov spreman započeti sa izguravanjem.

Odobrenje kontrole zračnog prometa za izguravanje sadrži informaciju o uzletno-sletnoj stazi u upotrebi. Posada, nakon što dobije tu informaciju, istu mora proslijediti zemaljskom osoblju zaduženom za izguravanje.

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 123.6 MHZ”.

SID RWY 11 (Preferential RWY)

Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 5.0 per cent (304 FT/NM)

SID RWY 11 (Preferential RWY)				
Designator	**Route**	**After take off**		**Remarks**
		Climb initially	**Contact**	
AMUGO3C	**AMUGO THREE CHARLIE DEPARTURE** Climb straight ahead. At GR L (2.1 DME DBK) turn RIGHT, on track 275°. Cross R-218 DBK, turn LEFT, intercept R-227 DBK. At LOKRU (19.5 DME DBK) turn RIGHT, intercept R-131 SPL, climbing to AMUGO.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.6 MHZ.	
AMUGO2E	**AMUGO TWO ECHO DEPARTURE** Climb straight ahead. At GR L (2.1 DME DBK) turn RIGHT, on track 275°. After crossing QDR 198° CV L follow ATC RADAR vector to AMUGO.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.6 MHZ.	Cross QDR 198° CV L at or above 5000ft.
AMUGO2F	**AMUGO TWO FOXTROT DEPARTURE** Climb straight ahead. At GR L (2.1 DME DBK) turn RIGHT, on bearing QDR 177° GR L. At 11.0 DME DBK turn RIGHT and follow ATC RADAR vector to AMUGO.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.6 MHZ.	Cross 11.0 DME DBK at or above 6000ft.
LOKRU3C	**LOKRU THREE CHARLIE DEPARTURE** Climb straight ahead. At GR L (2.1 DME DBK) turn RIGHT, on track 275°. Cross R-218 DBK, turn LEFT, intercept R-227 DBK climbing to LOKRU.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.6 MHZ.	
MOKUN5C	**MOKUN FIVE CHARLIE DEPARTURE** Climb straight ahead. At GR L (2.1 DME DBK) turn RIGHT, on track 218°. At or above 4500 FT, but not before passing R-182 DBK, turn RIGHT, intercept R-218 DBK, climbing to DBK VOR DME. At 3.0 DME DBK, on R-218 DBK, turn RIGHT, intercept R-121 DBK climbing to MOKUN.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.6 MHZ.	Cross 3.0 DME DBK at or above 7000 FT. Cross MOKUN at or above 9000 FT.
MADOS5C	**MADOS FIVE CHARLIE DEPARTURE** Climb straight ahead. At GR L (2.1 DME DBK) turn RIGHT, on track 218°. At or above 4500 FT, but not before passing R-182 DBK, turn RIGHT, intercept R-218 DBK, climbing to DBK VOR DME. At 3.0 DME DBK, on R-218 DBK, turn LEFT, intercept R-333 DBK climbing to MADOS.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.6 MHZ.	Cross 3.0 DME DBK at or above 7000 FT. Cross MADOS at or above FL105.

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AD 2 AERODROMI

LDZA AD 2

LDZA AD 2.1 NAZIV I OZNAKA AERODROMA

LDZA - ZRAČNA LUKA ZAGREB / Franjo Tuđman

LDZA AD 2.2 ZEMLJOPISNI I ADMINISTRATIVNI PODACI O AERODROMU

1	ARP koordinate i položaj na AD	454434.55N 0160407.60E on RWY centre line 1800 M NE from THR 04
2	Smjer i udaljenost od (grada)	135°, 10 KM from railway station in Zagreb
3	Nadmorska visina/Odnosna temperatura	353 FT / 28°C (JUL)
4	Geoidna undulacija na AD ELEV PSN	148 FT
5	MAG VAR/Godišnja promjena	4°E (2019) / 0.15° increasing
6	Operator AD, adresa, telefon, telefax, telex, AFS, E-mail, URL	Post: MZLZ-Zagreb Airport Operator Ltd. Rudolfa Fizira 1 10410 Velika Gorica Croatia Phone: (+385 1) 4562113 SITA:ZAGAPXH Email: koordinatori@zag.aero URL: http://www.zagreb-airport.hr/
7	Dozvoljene vrste prometa (IFR/VFR)	IFR/VFR
8	Primjedbe	Nil

LDZA AD 2.3 RADNA VREMENA

1	Operator AD	H24
2	Carinska kontrola i kontrola putovnica	H24
3	Zdravstvo i sanitetske mjere	0500-2300 (0400-2200)
4	AIS ured za informiranje	H24
5	ATS prijavni ured (ARO)	H24
6	Ured za MET informiranje	H24
7	ATS	H24
8	Opskrba gorivom	H24
9	Prihvat i otprema	H24
10	Osiguranje	H24
11	Odleđivanje	H24
12	Primjedbe	Nil

LDZA AD 2.4 SLUŽBA I OPREMA ZA PRIHVAT I OTPREMU

1	Oprema za prihvat i otpremu tereta	Baggage and cargo handling up to 20 T, lifting up to 5,6 M
2	Vrste goriva/ulja	A1, AVGAS 100LL / Oil - Nil
3	Opskrba gorivom/kapacitet	3 Fuel Trucks 60 000 L (A1) 1 Fuel Trucks 45 000 L (A1) 1 Fuel Truck 36 000 L (A1) 1 Fuel Truck 20 000 L (A1) 1 Fuel Truck 5 000 L (AVGAS 100LL)
4	Oprema za odleđivanje	4 aircraft de-icing vehicles, MAX working height 21 M
5	Hangarski prostor za zrakoplove u posjeti	Nil
6	Oprema za popravak zrakoplova u posjeti	Available for minor repairs
7	Primjedbe	"ZAGREB AIRPORT HANDLING" AVBL H24 on FREQ 131.550 MHZ

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LDZA AD 2.9 SUSTAV VOĐENJA I KONTROLE KRETANJA I OZNAKE

1	Uporaba ID znakova na mjestima za parkiranje zrakoplova, linije za vođenje na TWY-u i vizualni sustav za vođenje kod pristajanja/parkiranja na mjestima za parkiranje zrakoplova	APRON WEST Taxiway guidance signs, guide lines and ACFT stand ID signs at apron, self manoeuvring (except PSN W2 for ACFT code letter D: push-back) and nose-in (basic), nose-out (alternative), and parallel to RWY (general aviation) stands, marshaller for all stands, stop bar markings, Follow me (see Remarks). APRON EAST Taxiway guidance signs, guide lines and ACFT stand ID signs at apron, self-manoeuvring an nose-in/push-back ACFT stands, marshaller, Visual Guidance Docking System at ACFT stands 1-8, stop bar markings, Follow me (see Remarks).
2	Oznake RWY-a, TWY-a i LGT	RWY-04/22: Runway designation markings, Threshold markings, Runway centre line markings, Runway side stripe markings, Touchdown zone markings, Aiming point markings, Runway turn pad marking*. TWY A Taxiway centre line markings, Runway holding position markings, Intermediate holding position markings. TWY B Taxiway centre line markings, Runway holding position markings, Intermediate holding position markings. TWY C Taxiway centre line markings, Runway holding position markings, Intermediate holding position markings. TWY D Taxiway centre line markings, Runway holding position markings, Intermediate holding position markings. TWY E Taxiway centre line markings, Runway holding position markings, Intermediate holding position markings. TWY F Taxiway intermediate holding position lights, Taxiway centre line markings, Intermediate holding position markings. TWY G Taxiway centre line markings, Intermediate holding position markings. TWY H Taxiway centre line markings, Intermediate holding position markings. TWY MC Taxiway centre line markings. TWY R Taxiway centre line markings. TWY T Taxiway centre line markings, Intermediate holding position markings.
3	Zaustavne oznake	TWY A: R LIH TWY B: R LIH TWY C: R LIH TWY D: R LIH TWY E: R LIH TWY F: R LIH - F1, F2, F3 TWY G: R LIH - Ga, Gb TWY H: R LIH TWY T: R LIH
4	Primjedbe	*Ograničenje okretišta RWY 22: okreti za 180° na okretištu nisu mogući za zrakoplove s međuosovinskim razmakom većim od 25.6 M. APRON EAST and WEST - Follow me available only during LVO and for ACFT code letter F.

LDZA AD 2.10 AERODROMSKE PREPREKE

U području 2					
OBST ID / Oznaka	**Tip OBST**	**Pozicija OBST**	**ELEV/HGT**	**Oznake/ Tip, boja**	**Primjedbe**
a	**b**	**c**	**d**	**e**	**f**
Nil	Antenna L	Nil	361 FT(110 M) / Nil	Nil	04/APCH 22/TKOF
Nil	Antenna L	Nil	361 FT(110 M) / Nil	Nil	04/TKOF 22/APCH
Nil	Building	Nil	361 FT(110 M) / Nil	Nil	04/TKOF 22/APCH

U području 3					
OBST ID / Oznaka	**Tip OBST**	**Pozicija OBST**	**ELEV/HGT**	**Oznake/ Tip, boja**	**Primjedbe**
a	**b**	**c**	**d**	**e**	**f**
Nil	Nil	Nil	Nil	Nil	Nil

LDZA AD 2.11 RASPOLOŽIVE METEOROLOŠKE INFORMACIJE

1	Pridružen MET ured	ZAGREB
2	Radno vrijeme MET ured izvan radnog vremena	H24
3	Ured nadležan za pripremu TAF-a Razdoblja valjanosti	ZAGREB FT (24HR)
4	Trend prognoza Interval izdavanja	TREND Stalno izdavanje H24
5	Mogućnosti informiranja/konzultacija	Osobno u MET uredu ili na: Phone: +385 1 6259240
6	Dokumentacija u svezi leta Korišteni jezik(ci)	• Osobno u MET uredu ili na fax (tel.: +385 1 6259240) • hrvatski, engleski
7	Karte i ostali podaci raspoloživi za informiranje ili konzultacije	• dijagnostičke i prognostičke prizemne i visinske karte • satelitske slike, detekcija električnog pražnjenja • meteogrami
8	Dodatni raspoloživi uređaji za pružanje informacija	VOLMET emisije Telefax URL: http://met.crocontrol.hr
9	ATS jedinice opskrbljene informacijama	Zagreb TWR, Zagreb APP
10	Dodatne informacije (ograničenja u pružanju usluge, itd.)	Nil

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LDZA AD 2.12 FIZIČKE KARAKTERISTIKE UZLETNO-SLETNE STAZE

Oznake RWY NR	TRUE BRG	Dimenzije RWY-a (M)	Nosivost (PCN) i površina RWY-a i SWY-a	COORD THR-a COORD kraja RWY-a Geoidna undulacija THR	Nadmorska visina THR-a i najviša nadmorska visina TDZ-a kod RWY-a za precizni prilaz
1	2	3	4	5	6
04	046.79°	3252 x 45	390 M, CONC, PCN 68/R/B/W/T 106 M, CONC, PCN 54/R/A/W/T 2262 M, ASPH, PCN 54/F/A/W/T 494 M, CONC, PCN 54/R/A/W/T	454354.75N 0160307.09E Nil 148 FT	THR 353FT TDZ 353 FT
22	226.81°	3252 x 45		454506.86N 0160456.75E Nil 148 FT	THR 348FT TDZ 349 FT

Oznake RWY NR	Nagib RWY-SWY-a	Dimenzije SWY-a (M)	Dimenzije CWY-a (M)	Dimenzije strip-a (M)	OFZ	Primjedbe
1	7	8	9	10	11	12
04	Slope of RWY 04/22: 0%	Nil	Nil	3372 x 300	Nil	Along RWY edges and runway turn pad RWY22, paved shoulders, width 7.5M. RWY22 turn pad dimensions:length 79M and width 71M. RESA 04 Dužina: 240 M Širina: 90 M Površina: trava RESA 22 Dužina: 240 M Širina: 90 M Površina: trava
22		Nil	Nil		Nil	

LDZA AD 2.13 OBJAVLJENE UDALJENOSTI

Oznaka RWY-a	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Primjedbe
1	2	3	4	5	6
04	3252	3252	3252	3252	Nil
	2912	Nil	Nil	Nil	Intersection TWY B
	2162	Nil	Nil	Nil	Intersection TWY C
22	3252	3252	3252	3252	Nil
	2457	Nil	Nil	Nil	Intersection TWY D
	2916	Nil	Nil	Nil	Intersection TWY E

LDZA AD 2.14 PRILAZNA SVJETLA I OSVJETLJENJE UZLETNO-SLETNE STAZE

Oznaka RWY-a	Tip APCH LGT / LEN / INTST	Boja THR LGT / WBAR	VASIS (MEHT) PAPI	TDZ LGT LEN	Dužina LGT središnje linije RWY-a / razmak / boja / INTST	LGT LEN ruba RWY-a/ razmak / boja / INTST	Boja LGT kraja RWY-a / WBAR	SWY LGT LEN (M) / boja	Primjedbe
1	2	3	4	5	6	7	8	9	10
04	ILS CAT III.E4 W VRB LIH/LIL (C) 900 M to 300 M before THR 04	GRN VRB LIH/LIL	PAPI 3° 70 FT	VRB 900M from THR 04 WHI LIH	3252M 15M W*VAR LIH	3252M 60M W**VAR LIH/LIL	R VRB LIH/LIL	Nil	*W to 900M before RWY end; W/R to 300M before RWY end; R on the last 300M before RWY end **YCZ last 600M
22	CAT I (A) W VRB LIH/LIL	GRN VRB, LIH/LIL	PAPI 3° 64 FT	Nil	3252 M 15 M W*VAR LIH	3252 M, 60 M, W**VAR, LIH/LIL	RED VRB, LIH/LIL.	Nil	*W to 900 M before RWY end; W/R to 300 M before RWY end; R on the last 300 M before RWY end. **YCZ last 600 M

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LDZA AD 2.15 OSTALA OSVJETLJENJA, SEKUNDARNI IZVORI ELEKTRIČNE ENERGIJE

1	Položaj ABN/IBN, karakteristike i sati rada	ABN bijelo/zeleno na tornju HN, po danu na zahtjev
2	Položaj LDI-a i LGT Položaj anemometra i LGT	Nil Anemometer 04 - position 324 M right from RCL, distance 95 M from (before) THR04, ICAO marked; Anemometer 22 - position 220 M right from RCL, distance 325 M from (after) THR22, ICAO marked and lighted.
3	Osvjetljenje ruba i središnje linije TWY-a	TWY A EDGE: B LIL; CL: G VRB LIH; Spacing 15 M on a straight section, 7.5 M on a curve. On TWY A on RWY exit - green/yellow coded TWY centreline lights. TWY B EDGE: B LIL TWY C EDGE: B LIL TWY D EDGE: B LIL TWY E EDGE: B LIL; CL: G VRB LIH, Spacing 15 M on a straight section, 7.5 M on a curve. On TWY E on RWY exit - green/yellow coded TWY centreline lights. TWY F EDGE: B LIL (Section between TWY B and TWY C.); CL: G VRB LIH, Spacing 15 M on a straight section, 7.5 M on a curve. TWY G EDGE: B LIL; CL: G VRB LIH TWY H EDGE: B LIL; G VRB LIH TWY MC: CL: G VRB LIH, spacing 15 M on a straight section, 7.5 M on a curve.
4	Sekundarni izvor električne energije/vrijeme uključivanja	Available. Switch-over time: 0,5 sec
5	Primjedbe	Na okretištu RWY 22, svjetla ruba staza za vožnju: B LIL. Svjetla za označavanje okretišta RWY 22 nisu raspoloživa. WDI: At THR 04 and 22, externally lighted.

LDZA AD 2.16 PROSTOR ZA SLIJETANJE HELIKOPTERA

1	Koordinate TLOF ili THR od FATO Geoidna undulacija	Nil
2	TLOF i/ili FATO nadmorska visina M/FT	Nil
3	Dimenzije područja TLOF i FATO, površina, nosivost, oznaka	Nil
4	Stvarni i MAG BRG za FATO	Nil
5	Raspoložive objavljene udaljenosti	Nil
6	APP i FATO osvjetljenje	Nil
7	Primjedbe	Nije definiran prostor. Pozicije za parkiranje se koriste prema dogovoru sa Upravom zračne luke.

LDZA AD 2.17 ZRAČNI PROSTOR U NADLEŽNOSTI ATS-A

1	Oznaka i bočne granice	CTR Zagreb 455641N 0161418E 455041N 0162206E 453301N 0155442E 453838N 0154552E 455641N 0161418E
2	Vertikalne granice	2500 FT ALT / GND
3	Klasifikacija zračnog prostora	D
4	Pozivni znak ATS jedinice Jezik(ci)	ZAGREB TOWER / ZAGREB TORANJ Hrvatski / engleski
5	Transition altitude	10000 FT MSL
6	Remarks	Excluding part of airspace ATZ Bratina, area within coordinates: 453705N 0154819E 453826N 0155024E 454008N 0154812E 453838N 0154552E 453705N 0154819E With vertical limits: GND-1000 FT AGL, classified as G class airspace.

LDZA AD 2.18 KOMUNIKACIJSKE SLUŽBE ATS-A

Oznaka službe	Pozivni znak	Frekvencija	Sati rada	Primjedbe
1	2	3	4	5
APP	ZAGREB RADAR	120.7 MHZ	H24	Primary FREQ
	ZAGREB RADAR	118.5 MHZ	H24	
	ZAGREB RADAR	121.5 MHZ	H24	EMERG VHF FREQ
	ZAGREB RADAR	243 MHZ	H24	EMERG VHF FREQ
TWR	ZAGREB TOWER / ZAGREB TORANJ	118.3 MHZ	H24	Primary FREQ
		119.125 MHZ	H24	
GND	ZAGREB GROUND	121.85 MHZ	0700-1500 (0600-1400)	For additional hours of operation, monitor ATIS. If no contact on GND FREQ, contact ZAGREB TWR on 118.300 MHz.
FIS	ZAGREB INFORMATION	135.05 MHZ	H24	
ATIS	ZAGREB ATIS	124.575 MHZ	H24	

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LDZA AD 2.19 RADIONAVIGACIJSKI I UREĐAJI ZA SLIJETANJE

Vrsta uređaja CAT ILS/MLS (Za VOR/ILS/MLS, dati 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)	ZAG	113.7 MHZ CH84X	H24	455344.01N 0161824.11E	420 FT	Domet 100 NM
VOR/DME (4°E/2019)	VBA	117.4 MHZ CH121X	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)
DME	JAP	CH123Y	H24	454440.18N 0153629.45E	2927 FT	Pokrivenost 80 NM
DME	LUK	CH35Y	H24	454125.96N 0155932.90E	471 FT	Pokrivenost 80 NM, osim smanjene pokrivenosti između QDR 341°-357°
NDB	ZAG	367 KHZ	H24	455400.95N 0161840.36E		Domet 100 NM
NDB	PIS	424 KHZ	H24	453618.10N 0155038.39E		Pokrivenost 50 NM, osim između QDR 339°-049° gdje je pokrivenost 40 NM
L	SK	350 KHZ	H24	454820.96N 0160952.78E		4.75 NM from THR22 Domet 25 NM
L	VG	325 KHZ	H24	454331.30N 0160231.44E		223°MAG/0.57 NM from THR 04. Domet 25 NM
LOC 04	IZA	109.5 MHZ	H24	454513.99N 0160507.60E		ILS CAT III.E4
GP 04		332.6 MHZ	H24	454405.79N 0160312.42E		3°, RDH 53 FT
DME 04	IZA	109.5 MHZ CH32X	H24	454405.79N 0160312.42E	372 FT	Collocated with GP 04
OM04	Dashes-Dashes	75 MHZ	H24	454126.29N 0155924.06E		3.59 NM from THR04
MM04	Dots-Dashes	75 MHZ	H24	454331.45N 0160231.71E		0.57 NM from THR04
LOC 22	IZG	109.1 MHZ	H24	454346.87N 0160255.12E		ILS CAT I
GP 22		331.4 MHZ	H24	454503.84N 0160440.66E		3°, RDH 17 M
OM22	Dashes-Dashes	75 MHZ	H24	454820.56N 0160952.34E		4.75 NM from THR22
MM22	Dots-Dashes	75 MHZ	H24	454529.91N 0160531.84E		0.57 NM from THR22

LDZA AD 2.20 LOKALNI AERODROMSKI PROPISI

2.20.1 OPĆENITO

2.20.1.1 Sustav za nadzor zemaljskog prometa A-SMGCS

Hrvatska kontrola zračne plovidbe d.o.o pruža 24-satnu uslugu nadzora kretanja po zemaljskim površinama, A-SMGCS (*Advanced Surface Movement Guidance and Control System*) na Zračnoj luci Zagreb/Franjo Tuđman.
U sustav je integriran 1 SMR i Mode S MLAT (*Multilateration*) koji osiguravaju informacije o identifikaciji i poziciji zrakoplova za sektore TWR i GND.

Usluga nadzora kretanja po zemaljskim površinama osigurana je sukladno poglavlju ENR 1.6.

Operateri zrakoplova koji namjeravaju koristiti usluge Zračne luke Zagreb/Franjo Tuđman moraju osigurati mogućnost rada transpondera moda S na zemlji, pri čemu odašilju *squitter* moda S, te odgovaraju samo na upite adresirane putem moda S.

2.20.1.2 Postupci pri smanjenoj vidljivosti (LVP)

ATC primjenjuje postupke u uvjetima smanjene vidljivosti, *Low Visibility Procedures* (LVP), u svrhu osiguranja sigurnosti operacija tijekom ILS prilaza u kategoriji II/III (CAT II/III) i/ili polijetanja pri smanjenoj vidljivosti, *Low Visibility Take-Off* (LVTO).

Kada su LVP operacije na snazi, piloti će o tome biti informirani putem ATIS-a ili RTF-a.

Tijekom LVP-a koristi se isključivo RWY04.

Na Istočnoj i Zapadnoj stajanci dozvoljeno je istovremeno kretanje samo jednog zrakoplova (kada je LVP na snazi).

Pri LVP-u, kada je RVR niži od 350 M, primjenjuje se prometno ograničenje od 12 operacija (ARR/DEP) na sat.

Za vježbovne CAT II/III letove neće se osiguravati zaštita osjetljivog područja prilaza i LOC22 će biti isključen.

PRI DOLASKU:

Zrakoplov mora javiti slijetanje te napuštanje uzletno-sletne staze prolaskom kraja žuto-zelenih svjetala središnje linije TWY-a na frekvenciju aerodromske kontrole zračnog prometa (TWR FREQ).

Napuštanje uzletno-sletne staze dozvoljeno je isključivo putem TWY-a E.

Prečke za zaustavljanje (*stop bars*) se nalaze na stazama za vožnju TWY F i TWY G.

Follow me vođenje pružat će se od prečke za zaustavljanje F1 (ulazak na Zapadnu stajanku) ili od prečke za zaustavljanje G (ulazak na Istočnu stajanku).

Zrakoplovi moraju javiti „Follow me in sight“ na frekvenciju zemaljske kontrole zračnog prometa (GND FREQ).

PRI ODLASKU:

Na Istočnoj stajanci (tijekom LVP-a) - *Follow me* vođenje pružat će se od TWY-a MC do prečke za zaustavljanje na TWY-u H.

Na Zapadnoj stajanci (tijekom LVP-a) - *Follow me* vođenje pružat će se od parkirne pozicije do CAT II/III pozicije za čekanje TWY-a A (napomena: *Follow me* vođenje može izostati ukoliko ATC ima vizualni kontakt s CAT II/III pozicijom čekanja na TWY-u A).

Zrakoplov mora javiti „follow me insight“ na GND FREQ.

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Tijekom LVP-a, polijetanja putem intersekcija nisu moguća.

Zrakoplov mora javiti „airborne“ na TWR FREQ.

2.20.2 DOLASCI

RWY04:
- poželjno je napuštanje staze putem TWY-a C - za zrakoplove općeg i poslovnog zrakoplovstva
- poželjno je napuštanje staze putem TWY-a D - za sve ostale zrakoplove, osim ukoliko nisu predmetom restrikcija (napomena: za restrikcije pogledati LDZA AD 2.8)

RWY22:
- poželjno je napuštanje staze putem TWY-a C - za sve zrakoplove

Zrakoplov koji nije u mogućnosti napustiti uzletno-sletnu stazu putem poželjne staze za voženje treba o tome obavijestiti TWR.

2.20.2.1 Voženje i prakiranje

Za sve informacije o parkirnim ograničenjima, parkirnom sustavu i ostalom, pogledati kartu Aircraft Parking/ Docking Chart - ICAO.
Na svim stazama za voženje ograničenje brzine voženja je MAX 30 KT.
RWY04: očekivati voženje putem TWY-a D/E, G i MC (za Istočnu stajanku), odnosno putem TWY-a C/D, F (za Zapadnu i stajanku za opće zrakoplovstvo)
RWY22: očekivati voženje putem TWY-a C/B, F, G i MC (za Istočnu stajanku), odnosno putem TWY-a C/B (za Zapadnu i stajanku za opće zrakoplovstvo).

Za zrakoplove u dolasku informaciju o oznaci parkirne pozicije pružit će ATC.

2.20.3 ODLASCI

Odobrenja za pokretanje motora, izguravanje zrakoplova, rutna odobrenja te instrukcije za voženje izdavat će se putem Zagreb TWR FREQ, osim tijekom radnog vremena Zagreb GND-a (kao što je navedeno u LDZA AD 2.18 Komunikacijske službe ATS-a.
Pri prvom kontaktu s aktivnom ATC FREQ, zrakoplov u odlasku mora izvjestiti o oznaci primljene ATIS poruke i parkirnoj poziciji.
ATC DEP CLR će biti dostupno na Zagreb Tower/Ground FREQ najmanje 15 minuta prije EOBT-a.
Posade zrakoplova moraju zatražiti ATC DEP CLR prije zahtjeva za izguravanje zrakoplova/pokretanje motora.

2.20.3.1 Izguravanje zrakoplova i pokretanje motora

Zahtjev za izguravanje zrakoplova ili voženje sa/prema parkirnoj poziciji se ne smije zatražiti ukoliko vozilo za izguravanje nije priključeno na zrakoplov ili zrakoplov nije spreman odmah izvršiti traženi manevar.

Zapadna i stajanka za opće zrakoplovstvo: za zrakoplov se ne smije tražiti odobrenje za pokretanje motora ukoliko se potpuno pokretanje motora neće moći dovršiti unutar 5 minuta od izdavanja odobrenja.

Istočna stajanka: zrakoplovima sa dodijeljenim CTOT-om se izričito preporuča spremnost i zahtjevanje odobrenja za izguravanje/pokretanje motora najkasnije 5 minuta prije CTOT-a.

2.20.3.2 Odleđivanje zrakoplova

Zagreb TWR/GND mora biti obaviješten u najkraćem mogućem roku ukoliko je potrebno odleđivanje zrakoplova.

Pozicije odleđivanja, uzletno-sletna staza RWY04:

- Istočna stajanka: zrakoplovi s mlaznim motorima na trupu i turbo-prop: na parkirnoj poziciji
- Zapadna stajanka: svi zrakoplovi - na parkirnoj poziciji

Pozicije odleđivanja, uzletno-sletna staza RWY22:

- svi zrakoplovi - na parkirnoj poziciji

2.20.3.3 Voženje

Na stajankama nisu dozvoljeni zaokreti za 180 stupnjeva snagom vlastitih motora.

RWY04:
- sa Istočne stajanke putem TWY-a H, F i A (s opcijom TWY B/C)
- sa Zapadne i stajanke za opće zrakoplovstvo putem TWY-a F i A (s opcijom TWY B)

RWY22:
- sa Istočne stajanke putem TWY-a H, F i D/E
- sa Zapadne i stajanke za opće zrakoplovstvo putem TWY-a F i D/E

Zrakoplov kojem je potrebna puna dužina uzletno-sletne za uzlijetanje mora o tome obavijestiti TWR/GND najkasnije pri zahtjevu za voženje.

2.20.4 VATROGASNA KATEGORIJA

Objavljena kategorija Spasilačko-vatrogasne službe (CAT 8 ili CAT 7 ili CAT 6) koja je niža od najveće dostupne (CAT 9), podrazumijeva smanjeni broj profesionalnih vatrogasaca.

Za sve operacije zrakoplova, koje je prethodno odobrio operator aerodroma (na temelju reda letenja ili naprečac - “ad hoc”) osigurana je (aerodromska) vatrogasna kategorija usklađena s vatrogasnom kategorijom zrakoplova.

LDZA AD 2.21 POSTUPCI ZA SMANJENJE BUKE

NOISE ABATEMENT DEPARTURE PROCEDURE RWY 04
Aircraft operators shall follow NADP 1 noise abatement departure procedure, according to ICAO Doc. 8168 OPS/611 VOL III (PANS-OPS VOL III).

NOISE ABATEMENT DEPARTURE PROCEDURE RWY 22
Aircraft operators shall follow NADP 1 noise abatement departure procedure, according to ICAO Doc. 8168 OPS/611 VOL III (PANS-OPS VOL III).

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LDZA AD 2.22 POSTUPCI TIJEKOM LETA

2.22.1 POSTUPCI PRI SMANJENOJ VIDLJIVOSTI, UKLJUČUJUĆI PRILAZ I SLIJETANJE CAT II/III I LVTO

2.22.1.1 Kriteriji za pokretanje i prekid postupaka u uvjetima smanjene vidljivosti (LVP)

Pokretanje LVP provodi se u dvije faze:

- Faza pripreme (faza 1) započinje kada se RVR spusti ispod 1000 M i/ili kada je baza oblaka na/ili ispod 300 FT s tendencijom spuštanja, te se predvidaju operacije CAT II/III. U ovoj se fazi još ne provodi zaštita osjetljivih područja.

- Operativna faza (faza 2) započinje kada se RVR spusti ispod 550 M i kada je baza oblaka na/ili ispod 200 FT. U ovoj se fazi provodi zaštita osjetljivih područja.

Piloti se obavještavaju putem ATIS-a ili u prvom kontaktu RTF-om sljedećom standardnom porukom:
“Low Visibility Procedures in operation.”

LVP se prekidaju kada je RVR veći od 800 M, a baza oblaka je iznad 300 FT, te se očekuje i daljnje poboljšanje tih uvjeta.

Piloti se obaviještavaju putem ATIS-a ili RTF-a sljedećom standardnom porukom:
“Low Visibility Procedures cancelled at time...”

2.22.1.2 Opis LVP postupaka

2.22.1.2.1 Prilaženje i slijetanje CAT II/III

2.22.1.2.1.1 Zaštita osjetljivog područja ILS-a

Zaštita osjetljivog područja ILS-a provodi se kada zrakoplov u prilaženju preleti OM ili 3,8 DME IZA, te za zrakoplov koji provodi ILS-om vođeno uzlijetanje.

U tu svrhu, KZP će osigurati odgovarajuće razdvajanje između zrakoplova u završnom prilaženju.

2.22.1.2.1.2 Započinjanje i nastavak ILS prilaženja uzimajući u obzir javljeni RVR

Pilot može započeti prilaženje, nezavisno od toga da li TDZ RVR odgovara kompanijskom zahtijevu minimalne RVR vrijednosti za TDZ. Prilaženje CAT II/III ne smije se nastaviti iza OM ili 3.8 DME IZA, osim ako je javljeni TDZ RVR najmanje jednak minimalno zahtijevanom RVR-u.

Nakon prelijetanja OM ili 3.8 DME IZA, prilaženje se može nastaviti nezavisno od bilo koje javljene promjene RVR-a, snižavajući prema DH. Prilaženje se može nastaviti od DH prema slijetanju ako je uspostavljen potreban vizualni kontakt i ako ga se može održavati.

OCA/H vrijednosti prikazane su na odgovarajućim kartama instrumentalnog prilaženja. Utvrđena minimalna vrijednost RVR za prilaženje CAT IIIB na LDZA je manja od 200 M, ali ne manja od 75 M.

2.22.1.2.1.3 Radarsko vektoriranje i odobrenje za prilaženje

Zrakoplovi u dolasku moraju se vektorirati tako da se osigura ulazak u ILS RWY 04 najmanje 10 NM od točke dodira. KZP daje odobrenje za ILS prilaženje nezavisno od kategorije prilaženja.

2.22.1.2.1.4 Razdvajanje

Zrakoplov koji namjerava provesti prilaženje ILS CAT II/III neće dobiti odobrenje za prilaženje prije nego što prethodni zrakoplov sleti.

Razdvajanje zrakoplova koji provodi prilaženje CAT II/III za RWY 04 i zrakoplova koji uzlijeće sa RWY 04 mora osigurati da zrakoplov u odlasku preleti ILS LOC antenu prije nego što zrakoplov u dolasku preleti OM za RWY 04 ili 3.8 DME IZA.

2.22.1.2.1.5 Informacije koje se pružaju pilotima

Zajedno sa odobrenjem za prilaženje i prije prelijetanja OM-a, pilotima se pružaju sljedeće informacije:

- prizemni vjetar (smjer i brzina)
- aktualne RVR vrijednosti
- sve promjene vezane za operativni status uređaja za CAT II/III

2.22.1.2.1.6 Odobrenje za slijetanje

Odobrenje za slijetanje zrakoplov će dobiti prije nego što preleti OM RWY 04 ili 3.8 DME IZA.

2.22.1.2.1.7 Informacije o otkazima i degradiranju kategorije prilaženja

Sve promjene operativnog statusa, ako su uzrokovane otkazom za koji se očekuje da će trajati duže od jednog sata, objavljuju se NOTAM-om.

Piloti se obaviještavaju o otkazima s predviđenim trajanjem kraćim od jednog sata putem ATIS-a ili RTF-a.

Tijekom prilaženja, neposredno nakon pojave otkaza, kada je potrebno, pružit će se sljedeće informacije, zajedno sa degradiranjem kategorije prilaženja:

Sustav	Nedostaci koji će biti objavljeni od strane ATC-a	Očekivani učinak na letne operacije
1	2	3
ILS	ILS degradiran u CAT II	Operacije ograničene na CAT II
	ILS degradiran u CAT I	Operacije ograničene na CAT I
	ILS U/S	Ograničenje na neprecizan prilaz
	OM U/S	Nema ograničenja ako je DME IZA raspoloživ
	DME RWY 04 U/S	Nema ograničenja ako je OM RWY 04 raspoloživ
	OM i DME IZA RWY 04 U/S	Operacije ograničene na CAT I
	ILS status monitor U/S	Ograničenje na neprecizan prilaz
	FFM U/S	Operacije ograničene na CAT II
	Područje osjetljivosti LOC nije napušteno	Operacije ograničene na CAT I
	LOC U/S	Ograničenje na neprecizan prilaz
	GP U/S	Operacije ograničenje na neprecizan prilaz
RVR	TDZ RVR U/S	Nema ograničenja ako je RVR raspoloživ na središnjoj točci i zaustavnom dijelu RWY-a
	MID RVR U/S	Nema ograničenja ako je RVR raspoloživ na TDZ i zaustavnom dijelu RWY-a
	TDZ + MID RVR U/S	Operacije ograničene na CAT I
	RVR pokazivač U/S	Operacije ograničene na CAT I
Pomoćni	Anemometar RWY 04 U/S	Nema učinka ukoliko su drugi izvori na raspolaganju (Anemometar RWY 22)
	Anemometri RWY 04 and RWY 22 U/S	Operacije ograničene na CAT I
	Silometar U/S	Nema učinka

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Sustav	Nedostaci koji će biti objavljeni od strane ATC-a	Očekivani učinak na letne operacije
1	2	3
Svjetlosni	Sustav prilaznih svjetala U/S	Ograničenje ovisno o pravilima letenja operatora zrakoplova
	Svjetlosni sustav RWY-a U/S	Operacije ograničene na CAT I - samo dnevne operacije
	Osvjetljenje središnje linije RWY-a U/S	Operacije ograničene na CAT I***
	Osvjetljenje ruba RWY-a U/S	Operacije ograničene na CAT I - dnevne operacije
	Svjetla TDZ-a U/S	Operacije ograničene na CAT I
	Osvjetljenje TWY U/S	Operacije ograničene na CAT I - samo dnevne operacije
	Zaustavne oznake U/S	Operacije ograničene na CAT I
	Sekundarni izvor energije	Operacije ograničene na CAT I

*** Kada otkaz rezultira razmakom raspoloživih svjetala od 15 M ili manje, javljanje nije potrebno. Kada otkaz rezultira razmakom raspoloživih svjetala većim od 15 M, ali ne većim od 30 M, zahtijeva se javljanje otkaza, npr. “Runway centreline spacing 30M”. Kada kvar rezultira razmakom raspoloživih svjetala većim od 30 M, mora se javiti da sustav osvjetljenja središnje linije RWY-a nije u upotrebi.

***Napomena**: KZP će objaviti degradaciju operacija CAT II i III samo kada se radi o NAV i MET opremi. Za sve ostale slučajeve neispravnosti, odluka da nastavi operaciju u datim uvjetima, ostaje na pilotu.*

2.22.1.2.2 Uzlijetanje u uvjetima smanjene vidljivosti (LVTO)

RWY 04 se koristi za vođeno uzlijetanje u uvjetima smanjene vidljivosti.

Piloti moraju prilikom pokretanja motora obavijestiti KZP da namjeravaju provesti ILS-om vođeno uzlijetanje, kako bi se osigurala zaštita osjetljivog područja LOC-a.

Utvrđene minimalne vrijednosti RVR-a za LVTO na Zračnoj luci Zagreb/Franjo Tuđman su:

- 100 M za vođeno LVTO
- 125 M za nevođeno LVTO.

2.22.1.2.2.1 Kriteriji za uvođenje (primjenu) LVP tijekom LVTO

LVP se uobičajeno koriste za promet u odlasku i dolasku. Ako se provodi samo LVTO, kada je RVR manji od 400 M, operator zrakoplova mora zatražiti provođenje LVP-a. LVTO se mora zatražiti minimalno 30 minuta unaprijed, kako bi operator aerodroma mogao izvršiti odgovarajuće pripreme.

Kada je u tijeku samo LVTO, poruka je sljedeća:
"Low Visibility Take-Off Procedures in operation".

2.22.1.2.2.2 Zahtijevani uređaji za vođeno LVTO

Sustav	Nedostaci koji će biti javljeni od strane ATC-a	Očekivani učinak na letne operacije
1	2	3
ILS	ILS LOC degradiran u CAT II	Nije dozvoljeno vođeno uzlijetanje
	ILS LOC degradiran u CAT I	Nije dozvoljeno vođeno uzlijetanje
	LOC U/S	Nije dozvoljeno vođeno uzlijetanje
	FFM U/S	Nije dozvoljeno vođeno uzlijetanje
RVR	TDZ RVR nije u upotrebi	Nema učinka ako pilot može procijeniti vidljivost
	Druge RVR mjerne točke U/S	Ograničenje ovisi o operativnim pravilima letenja
	RVR displej U/S	Operacije ograničene na CAT I
Svjetlosni	Svjetlosni sustav RWY-a U/S	Operacije ograničene na dnevne operacije
	SDBY napajanje svjetlosnog sustava RWY-a U/S	Operacije ograničene na dnevne operacije
	Osvjetljenje središnje linije RWY-a U/S	Operacije ograničene na CAT I ***
	Osvjetljenje ruba RWY-a U/S	Operacije ograničene na dnevne operacije
	Svjetlosni sustav TWY-a U/S	Ograničenje ovisi o operativnim pravilima letenja
Pomoćni	Zaustavne oznake U/S	Nema učinka
	Silometar U/S	Nema učinka
	Anemometa r U/S	Nema učinka ukoliko su drugi izvori na raspolaganju

*** Kada otkaz rezultira razmakom raspoloživih svjetala od 15 M ili manje, javljanje nije potrebno. Kada otkaz rezultira razmakom raspoloživih svjetala većim od 15 M, ali ne većim od 30 M, zahtijeva se javljanje otkaza, npr. **"Runway centreline spacing 30 M"**. Kada kvar rezultira razmakom raspoloživih svjetala većim od 30 M, mora se javiti da sustav osvjetljenja središnje linije RWY-a **nije u upotrebi**.

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2.22.2 SID RWY 04

Calculation of the SIDs is based on all-engines operative minimum net climb gradient of 3.3 per cent (201 FT/NM).
WARNING: Close-in obstacles. Trees in front of THR22 on the left and right side of the CL. Trees altitudes are up to 425 FT.

SID RWY 04				
Designator	Route	After take off		Remarks
		Climb initially	Contact	
RASIN4C	**RASIN FOUR CHARLIE DEPARTURE** Climb inbound ZAG VOR DME. Cross ZAG VOR DME, intercept R-049 ZAG, climbing to RASIN.	6000	Zagreb Radar 120.700 MHZ	Cross ZAG VOR DME at or above 4000 FT.
VBA5C	**BARNA FIVE CHARLIE DEPARTURE** Climb straight ahead. At 3000 FT turn RIGHT to intercept R-271 VBA, climbing to VBA VOR DME.	6000	Zagreb Radar 120.700 MHZ	Cross VBA VOR DME at or above 6000 FT.
MOSAV4C	**MOSAV FOUR CHARLIE DEPARTURE** Climb straight ahead. At 3000 FT, but not after 16.0 DME LUK, turn RIGHT to intercept R-271 VBA. At 28.4 DME VBA turn RIGHT, intercept R-123 ZAG, climbing to MOSAV.	6000	Zagreb Radar 120.700 MHZ	Cross MOSAV at or above 6000 FT.
TEBLI6C	**TEBLI SIX CHARLIE DEPARTURE** Climb straight ahead. At 3000 FT, but not after 16.0 DME LUK, turn RIGHT on to bearing QDR 107° SK L to intercept R-155 ZAG, climbing to TEBLI.	6000	Zagreb Radar 120.700 MHZ	Cross TEBLI at or above FL105.
NIVES5C	**NIVES FIVE CHARLIE DEPARTURE** Climb straight ahead. At 3000 FT turn RIGHT, intercept R-199 ZAG, climbing to NIVES.	6000	Zagreb Radar 120.700 MHZ	Cross NIVES at or above FL 105.
KOTOR4R	**KOTOR FOUR ROMEO DEPARTURE** Climb straight ahead. At 3000 FT, turn RIGHT on to bearing QDM 239° PIS NDB climbing to PIS NDB. Cross PIS NDB. On QDR 225° PIS NDB climb to KOTOR.	6000	Zagreb Radar 120.700 MHZ	When on bearing QDM 239° PIS NDB cross 6.3 DME LUK at or above 5000 FT. Cross KOTOR at or above 8000 FT.
KOTOR4L (On ATC authorization only)	**KOTOR FOUR LIMA DEPARTURE** Climb straight ahead. At 4000 FT, turn LEFT, on to bearing QDM 209° PIS NDB. Cross PIS NDB. On QDR 225° PIS NDB, climb to KOTOR.	6000	Zagreb Radar 120.700 MHZ	Cross KOTOR at or above 8000 FT.
PODET5C	**PODET FIVE CHARLIE DEPARTURE** Climb straight ahead. At 4000 FT, but not after ZAG VOR DME, turn LEFT, on track 356°. Cross R-275 ZAG, turn LEFT, intercept R-296 ZAG, climbing to PODET.	6000	Zagreb Radar 120.700 MHZ	Cross PODET at or above 8000 FT.
PETOV4H (only for traffic destination LJMB)	**PETOV FOUR HOTEL DEPARTURE** Climb straight ahead. At 4000 FT, but not after ZAG VOR DME, turn LEFT on to bearing QDR 356° SK L to intercept R-327 ZAG, climbing to PETOV.	6000	Zagreb Radar 120.700 MHZ	Cross PETOV at or below FL 120.
OBUTI3H	**OBUTI THREE HOTEL DEPARTURE** Climb inbound ZAG VOR DME. Cross ZAG VOR DME, intercept R-353 ZAG, climbing to OBUTI.	6000	Zagreb Radar 120.700 MHZ	Cross OBUTI at or above FL130.

2.22.3 SID RWY 22

Calculation of the SIDs is based on all-engines operative minimum net climb gradient of 3.3 per cent (201 FT/NM).

SID RWY 22				
Designator	Route	After take off		Remarks
		Climb initially	Contact	
ZAG5E	**ZAGREB FIVE ECHO DEPARTURE** Climb inbound PIS NDB. At or above 3000 FT, but not before 2.0 DME LUK (5.5 NM from THR 04), turn LEFT, intercept R-211 ZAG, climbing inbound ZAG VOR DME.	6000	Zagreb Radar 120.700 MHZ	Cross ZAG VOR DME at or above 7000 FT.
OBUTI4K	**OBUTI FOUR KILO DEPARTURE** Climb inbound PIS NDB. At or above 3000 FT, but not before 2.0 DME LUK (5.5 NM from THR 04), turn LEFT, intercept R-211 ZAG, climbing inbound ZAG VOR DME. Cross ZAG VOR DME, intercept R-353 ZAG, climbing to OBUTI.	6000	Zagreb Radar 120.700 MHZ	Cross ZAG VOR DME at or above 7000 FT. Cross OBUTI at or above FL130.
VBA5E	**BARNA FIVE ECHO DEPARTURE** Climb inbound PIS NDB. At or above 3000 FT but not before 2.0 DME LUK (5.5 NM from THR 04), turn LEFT, intercept R-256 VBA, climbing to VBA VOR DME.	6000	Zagreb Radar 120.700 MHZ	Cross VBA VOR DME at or above 6000 FT.
MOSAV4D	**MOSAV FOUR DELTA DEPARTURE** Climb inbound PIS NDB. At or above 3000 FT, but not before 2.0 DME LUK (5.5 NM from THR 04), turn LEFT, intercept R-256 VBA. At 23.0 DME VBA turn RIGHT, intercept R-123 ZAG climbing to MOSAV.	6000	Zagreb Radar 120.700 MHZ	Cross MOSAV at or above 6000 FT.
TEBLI5J	**TEBLI FIVE JULIETT DEPARTURE** Climb inbound PIS NDB. At or above 4000 FT, not before 5.0 DME LUK (8.5 NM from THR 04) and not after PIS NDB turn LEFT, intercept QDR 120° PIS NDB, climbing to TEBLI.	6000	Zagreb Radar 120.700 MHZ	Cross TEBLI at or above FL105.
NIVES5D	**NIVES FIVE DELTA DEPARTURE** Climb inbound PIS NDB. At or above 4000 FT, not before 5.0 DME LUK (8.5 NM from THR 04) and not after PIS NDB turn LEFT, intercept QDR 169° PIS NDB, climbing to NIVES.	6000	Zagreb Radar 120.700 MHZ	Cross NIVES at or above FL105.
KOTOR3S	**KOTOR THREE SIERRA DEPARTURE** Climb inbound PIS NDB. On QDR 225° PIS NDB, climb to KOTOR.	6000	Zagreb Radar 120.700 MHZ	Cross KOTOR at or above 8000 FT.
PODET4F	**PODET FOUR FOXTROT DEPARTURE** Climb inbound PIS NDB. At or above 4000 FT, not before 2.0 DME LUK (5.5 NM from THR 04) and not after PIS NDB, turn RIGHT, intercept QDR 003° PIS. At 19.2 DME LUK (R-288 ZAG) turn LEFT, intercept R-296 ZAG, climbing to PODET.	6000	Zagreb Radar 120.700 MHZ	Cross PODET at or above 8000 FT.
PETOV4J (only for traffic destination LJMB)	**PETOV FOUR JULIETT DEPARTURE** Climb inbound PIS NDB. At or above 4000 FT, not before 2.0 DME LUK (5.5 NM from THR 04) and not after PIS NDB, turn RIGHT, intercept QDR 003° PIS, climbing to PETOV.	6000	Zagreb Radar 120.700 MHZ	Cross PETOV at or below FL120.
ZAG5F (On ATC authorization only)	**ZAGREB FIVE FOXTROT DEPARTURE** Climb inbound PIS NDB. At or above 4000 FT, not before 2.0 DME LUK (5.5 NM from THR 04) and not after PIS NDB, turn RIGHT, intercept R-237 ZAG, climbing inbound ZAG VOR DME.	6000	Zagreb Radar 120.700 MHZ	When on R-237 ZAG cross 18.0 DME ZAG at or above 5000 FT. Cross ZAG VOR DME at or above 7000 FT.

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SID RWY 22				
Designator	**Route**	**After take off**		**Remarks**
		Climb initially	**Contact**	
OBUTI4J (On ATC authorization only)	**OBUTI FOUR JULIETT DEPARTURE** Climb inbound PIS NDB. At or above 4000 FT, not before 2.0 DME LUK (5.5 NM from THR 04) and not after PIS NDB, turn RIGHT, intercept QDR 017° PIS, climbing to OBUTI.	6000	Zagreb Radar 120.700 MHZ	When on QDR 017° PIS cross 11.0 DME LUK at or above 8000 FT. Cross OBUTI at or above FL130.

2.22.4 STAR RWY 04

STAR RWY 04				
Designator	**Route**	**Descend**	**Contact**	**Remarks**
NEKIN1A	**NEKIN ONE ALPHA ARRIVAL** From NEKIN proceed on R-024 ZAG (MNM ALT 5000 FT) to ZAG VOR DME. After crossing ZAG VOR DME intercept QDM 224° SK to SK L (MNM ALT 4000 FT) and proceed on QDM 223° VG to VG L (MNM ALT 3000 FT). From VG L proceed on QDM 225° PIS to PIS NDB (MNM ALT 3000 FT) and hold.	As cleared by ATC	Zagreb Radar 120.700 MHZ	
VBA3A	**BARNA THREE ALPHA ARRIVAL** From VBA VOR DME proceed on R-258 VBA (MNM ALT 5000 FT). After crossing 37.0 DME VBA proceed on QDM 258° PIS to PIS NDB (MNM ALT 4000 FT or 3000 FT by ATC only) and hold.	As cleared by ATC	Zagreb Radar 120.700 MHZ	
TEBLI3B	**TEBLI THREE BRAVO ARRIVAL** From TEBLI proceed on QDM 301° PIS (MNM ALT 4000 FT). After crossing R-197 ZAG proceed on QDM 301° PIS to PIS NDB (MNM ALT 3000 FT) and hold.	As cleared by ATC	Zagreb Radar 120.700 MHZ	
RUDIK5A	**RUDIK FIVE ALPHA ARRIVAL** From RUDIK proceed on R-176 ZAG to intercept R-300 OMA. Intercept and follow R-300 OMA (MNM ALT 5000 FT). At R-220 ZAG turn RIGHT and intercept QDM 028° PIS to PIS NDB (MNM ALT 3000 FT) and hold.	As cleared by ATC	Zagreb Radar 120.700 MHZ	
KOTOR3A	**KOTOR THREE ALPHA ARRIVAL** From KOTOR proceed on QDM 045° PIS to PIS NDB (MNM ALT 3000 FT) and hold.	As cleared by ATC	Zagreb Radar 120.700 MHZ	
LULUD1A	**LULUD ONE ALPHA ARRIVAL** From LULUD proceed on QDM 151° PIS (MNM ALT 5000 FT). After crossing R-242 ZAG proceed on QDM 151° PIS to PIS NDB (MNM ALT 3000 FT) and hold.	As cleared by ATC	Zagreb Radar 120.700 MHZ	
PETOV3F	**PETOV THREE FOXTROT ARRIVAL** From PETOV proceed on QDM 184° PIS (MNM ALT 6000 FT). After crossing R-242 ZAG proceed on QDM 184° PIS to PIS NDB (MNM ALT 4000 FT or 3000 FT by ATC only) and hold.	As cleared by ATC	Zagreb Radar 120.700 MHZ	

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2.22.5 STAR RWY 22

STAR RWY 22				
Designator	**Route**	**Descend**	**Contact**	**Remarks**
NEKIN1B	**NEKIN ONE BRAVO ARRIVAL** From NEKIN proceed on R-024 ZAG (MNM ALT 5000 FT). After crossing 25.0 DME ZAG proceed on R-024 ZAG to ZAG VOR DME (MNM ALT 4000 FT) and hold.	As cleared by ATC	Zagreb Radar 120.700 MHZ	
VBA3B	**BARNA THREE BRAVO ARRIVAL** From VBA VOR DME proceed on R-100 ZAG (MNM ALT 5000 FT). After crossing 9.0 DME ZAG proceed on R-100 ZAG to ZAG VOR DME (MNM ALT 4000 FT) and hold.	As cleared by ATC	Zagreb Radar 120.700 MHZ	
TEBLI3A	**TEBLI THREE ALFA ARRIVAL** From TEBLI proceed on R-155 ZAG (MNM ALT 6000 FT). After crossing 12.0 DME ZAG proceed on R-155 ZAG to ZAG VOR DME (MNM ALT 4000 FT) and hold.	As cleared by ATC	Zagreb Radar 120.700 MHZ	
RUDIK3B	**RUDIK THREE BRAVO ARRIVAL** From RUDIK proceed on R-176 ZAG (MNM ALT 6000 FT). After crossing 12.0 DME ZAG proceed on R-176 ZAG to ZAG VOR DME (MNM ALT 4000 FT) and hold.	As cleared by ATC	Zagreb Radar 120.700 MHZ	
KOTOR3B	**KOTOR THREE BRAVO ARRIVAL** From KOTOR proceed on QDM 045° PIS to PIS NDB (MNM ALT 4000 FT). After crossing PIS NDB proceed on R-224 ZAG to ZAG VOR DME (MNM ALT 4000 FT) and hold.	As cleared by ATC	Zagreb Radar 120.700 MHZ	HLDG at PIS NDB on ATC authorization only
LULUD1B	**LULUD ONE BRAVO ARRIVAL** From LULUD proceed on R-259 ZAG (MNM ALT 5500 FT). After crossing 10.0 DME ZAG proceed on R-259 ZAG to ZAG VOR DME (MNM ALT 4000 FT) and hold.	As cleared by ATC	Zagreb Radar 120.700 MHZ	
PETOV3G	**PETOV THREE GOLF ARRIVAL** From PETOV proceed on R-327 ZAG (MNM ALT 6000 FT). After crossing 12.0 DME ZAG proceed on R-327 ZAG to ZAG VOR DME (MNM ALT 4000 FT) and hold.	As cleared by ATC	Zagreb Radar 120.700 MHZ	

Rezervni uređaj na TWR-u za slučaj potpunog otkaza komunikacije

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

LDZA AD 2.23 DODATNE INFORMACIJE

Povećana aktivnost galebova na i u blizini aerodroma, prelijetanje aerodroma u jutro u smjeru od jezera Čiće prema Jakuševcu i popodne od Jakuševca prema jezeru Čiće sukladno vremenima u sljedećoj tablici:

Oprez, tijekom kišnih dana navedene aktivnosti moguće su cijeli dan.

Mjesec	Jutarnji prelet (UTC)	Popodnevni prelet (UTC)
JAN	0630 - 0800	1300 - 1530
FEB	0610 - 0800	1400 - 1600
MAR	0530 - 0730	1400 - 1600
APR	0330 - 0600	1400 - 1550
MAY	0300 - 0600	1500 - 1800
JUN	0300 - 0600	1600 - 1930
JUL	0230 - 0600	1700 - 1900
AUG	0230 - 0600	1630 - 1830
SEP	0300 - 0600	1500 - 1700
OCT	0400 - 0630	1400 - 1600
NOV	0530 - 0730	1400 - 1600
DEC	0600 - 0830	1330 - 1530

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LDZA AD 2.24 POPRATNE KARTE AERODROMA

Naziv	Stranica
Aerodrome Chart - ICAO	LDZA AD 2.24.1 ADC -1
Aircraft Parking/Docking Chart - ICAO	LDZA AD 2.24.2 APDC EAST -1
Aircraft Parking/Docking Chart - ICAO	LDZA AD 2.24.2 APDC WEST -1
Aerodrome Ground Movement Chart – ICAO	*NOT AVBL*
Aerodrome Obstacle Chart - ICAO Type A RWY 04-22	LDZA AD 2.24.4 AOC RWY 04/22 -1
Aerodrome Terrain and Obstacle Chart – ICAO (Electronic)	*NOT AVBL*
Precision Approach Terrain Chart - ICAO RWY 04	LDZA AD 2.24.6 PATC RWY 04 -1
Area Chart - ICAO (departure and transit routes)	*NOT AVBL*
Standard Departure Chart - Instrument - ICAO RWY 04	LDZA AD 2.24.8 SID RWY 04 -1
Standard Departure Chart - Instrument - ICAO RNAV RWY 04	LDZA AD 2.24.8 SID RNAV RWY 04 -1
Standard Departure Chart - Instrument - ICAO RWY 22	LDZA AD 2.24.8 SID RWY 22 -1
Standard Departure Chart - Instrument - ICAO RNAV RWY 22	LDZA AD 2.24.8 SID RNAV RWY 22 -1
Area Chart – ICAO (arrival and transit routes)	*NOT AVBL*
Standard Arrival Chart - Instrument - ICAO RWY 04	LDZA AD 2.24.10 STAR RWY 04 -1
Standard Arrival Chart - Instrument - ICAO RNAV RWY 04	LDZA AD 2.24.10 STAR RNAV RWY 04 -1
Standard Arrival Chart - Instrument - ICAO RWY 22	LDZA AD 2.24.10 STAR RWY 22 -1
Standard Arrival Chart - Instrument - ICAO RNAV RWY 22	LDZA AD 2.24.10 STAR RNAV RWY 22 -1
ATC Surveillance Minimum Altitude Chart - ICAO	LDZA AD 2.24.11 ATCSMAC -1
Instrument Approach Chart - ICAO L RWY 04	LDZA AD 2.24.12 IAC L RWY 04 -1
Instrument Approach Chart - ICAO ILS or LOC RWY 04 CAT I/II/III	LDZA AD 2.24.12 IAC ILS or LOC RWY 04 -1
Instrument Approach Chart - ICAO L y RWY 22	LDZA AD 2.24.12 IAC Ly RWY 22 -1
Instrument Approach Chart - ICAO L z RWY 22	LDZA AD 2.24.12 IAC Lz RWY 22 -1
Instrument Approach Chart - ICAO ILS or LOC RWY 22	LDZA AD 2.24.12 IAC ILS or LOC RWY 22 -1
Instrument Approach Chart - ICAO RNP RWY 04	LDZA AD 2.24.12 IAC RNP RWY 04 -1
Instrument Approach Chart - ICAO RNP RWY 22	LDZA AD 2.24.12 IAC RNP RWY 22 -1
Visual Approach Chart - ICAO	*NOT AVBL*
Visual Operation Chart	LDZA AD 2.24.13 VOC -1
Bird concentrations	LDZA AD 2.24.14 BC -1

OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA

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AERODROME CHART - ICAO

ARP
45°44' 34.55"N
016°04' 07.60"E

AD ELEV 353ft

ZAGREB ATIS 124.575 | ZAGREB TOWER 118.300 | ZAGREB GROUND 121.850

ZAGREB / Franjo Tuđman
CROATIA

CHANGE: Airport name; RWY Designator; Magnetic Variation; Magnetic Bearings; Designator for MM, GP, ILS-LOC, THR and RESA; ACL ELEV Apron West; ACL ELEV General Aviation Apron; TWY F width; Intersection take-off distances

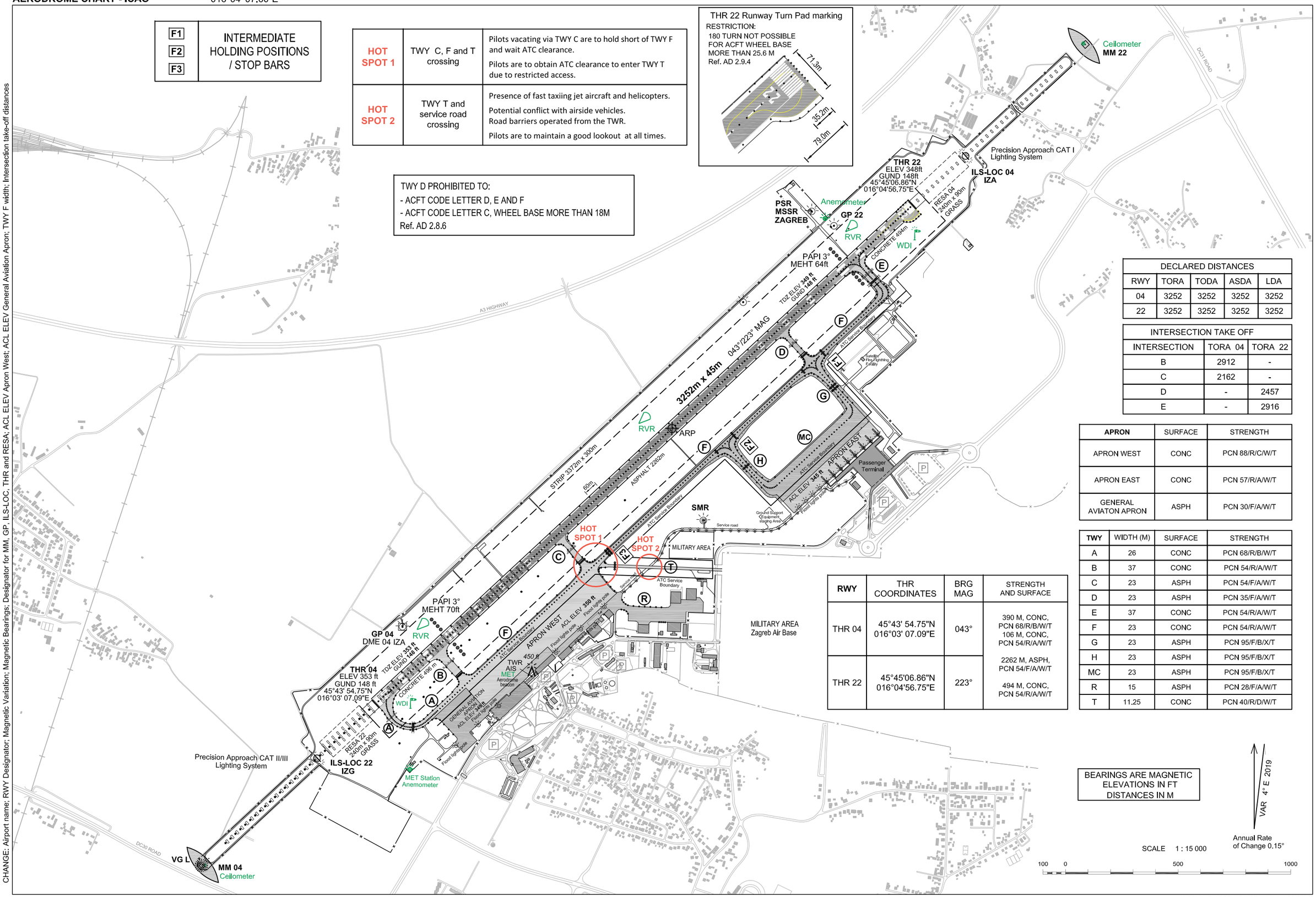
F1 F2 F3	INTERMEDIATE HOLDING POSITIONS / STOP BARS

HOT SPOT 1	TWY C, F and T crossing	Pilots vacating via TWY C are to hold short of TWY F and wait ATC clearance. Pilots are to obtain ATC clearance to enter TWY T due to restricted access.
HOT SPOT 2	TWY T and service road crossing	Presence of fast taxiing jet aircraft and helicopters. Potential conflict with airside vehicles. Road barriers operated from the TWR. Pilots are to maintain a good lookout at all times.

TWY D PROHIBITED TO:
- ACFT CODE LETTER D, E AND F
- ACFT CODE LETTER C, WHEEL BASE MORE THAN 18M

Ref. AD 2.8.6

THR 22 Runway Turn Pad marking
RESTRICTION:
180 TURN NOT POSSIBLE FOR ACFT WHEEL BASE MORE THAN 25.6 M
Ref. AD 2.9.4



DECLARED DISTANCES				
RWY	TORA	TODA	ASDA	LDA
04	3252	3252	3252	3252
22	3252	3252	3252	3252

INTERSECTION TAKE OFF		
INTERSECTION	TORA 04	TORA 22
B	2912	-
C	2162	-
D	-	2457
E	-	2916

APRON	SURFACE	STRENGTH
APRON WEST	CONC	PCN 88/R/C/W/T
APRON EAST	CONC	PCN 57/R/A/W/T
GENERAL AVIATON APRON	ASPH	PCN 30/F/A/W/T

TWY	WIDTH (M)	SURFACE	STRENGTH
A	26	CONC	PCN 68/R/B/W/T
B	37	CONC	PCN 54/R/A/W/T
C	23	ASPH	PCN 54/F/A/W/T
D	23	ASPH	PCN 35/F/A/W/T
E	37	CONC	PCN 54/R/A/W/T
F	23	CONC	PCN 54/R/A/W/T
G	23	ASPH	PCN 95/F/B/X/T
H	23	ASPH	PCN 95/F/B/X/T
MC	23	ASPH	PCN 95/F/B/X/T
R	15	ASPH	PCN 28/F/A/W/T
T	11.25	CONC	PCN 40/R/D/W/T

RWY	THR COORDINATES	BRG MAG	STRENGTH AND SURFACE
THR 04	45°43' 54.75"N 016°03' 07.09"E	043°	390 M, CONC, PCN 68/R/B/W/T 106 M, CONC, PCN 54/R/A/W/T 2262 M, ASPH, PCN 54/F/A/W/T 494 M, CONC, PCN 54/R/A/W/T
THR 22	45°45'06.86"N 016°04'56.75"E	223°	

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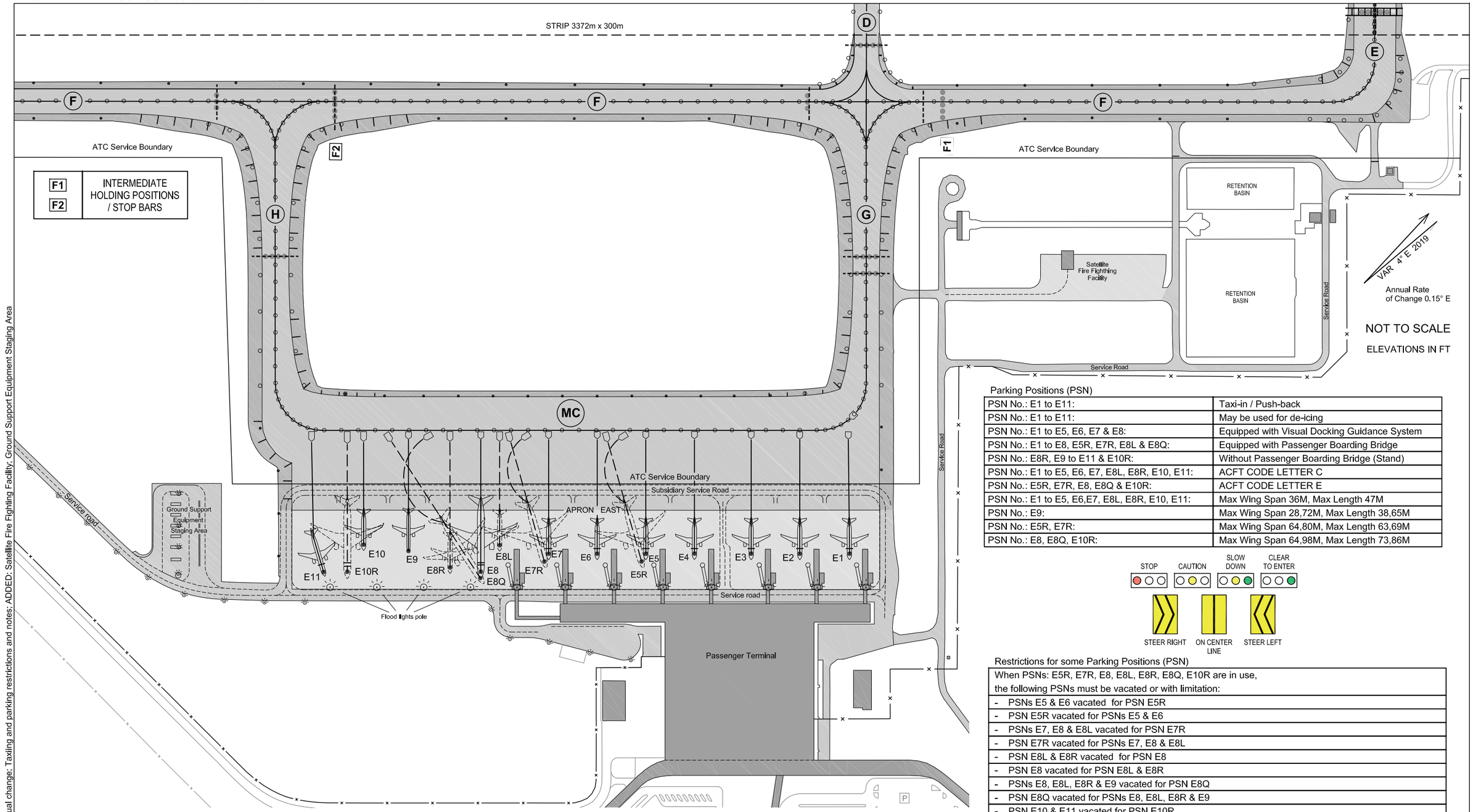
AIRCRAFT PARKING / DOCKING CHART - ICAO

APRON EAST / ACL ELEV 345 FT



F1	INTERMEDIATE HOLDING POSITIONS / STOP BARS
F2	

Parking Positions (PSN)

PSN No.: E1 to E11:	Taxi-in / Push-back
PSN No.: E1 to E11:	May be used for de-icing
PSN No.: E1 to E5, E6, E7 & E8:	Equipped with Visual Docking Guidance System
PSN No.: E1 to E8, E5R, E7R, E8L & E8Q:	Equipped with Passenger Boarding Bridge
PSN No.: E8R, E9 to E11 & E10R:	Without Passenger Boarding Bridge (Stand)
PSN No.: E1 to E5, E6, E7, E8L, E8R, E10, E11:	ACFT CODE LETTER C
PSN No.: E5R, E7R, E8, E8Q & E10R:	ACFT CODE LETTER E
PSN No.: E1 to E5, E6,E7, E8L, E8R, E10, E11:	Max Wing Span 36M, Max Length 47M
PSN No.: E9:	Max Wing Span 28,72M, Max Length 38,65M
PSN No.: E5R, E7R:	Max Wing Span 64,80M, Max Length 63,69M
PSN No.: E8, E8Q, E10R:	Max Wing Span 64,98M, Max Length 73,86M

Restrictions for some Parking Positions (PSN)

When PSNs: E5R, E7R, E8, E8L, E8R, E8Q, E10R are in use, the following PSNs must be vacated or with limitation:
- PSNs E5 & E6 vacated for PSN E5R
- PSN E5R vacated for PSNs E5 & E6
- PSNs E7, E8 & E8L vacated for PSN E7R
- PSN E7R vacated for PSNs E7, E8 & E8L
- PSN E8L & E8R vacated for PSN E8
- PSN E8 vacated for PSN E8L & E8R
- PSNs E8, E8L, E8R & E9 vacated for PSN E8Q
- PSN E8Q vacated for PSNs E8, E8L, E8R & E9
- PSN E10 & E11 vacated for PSN E10R
- PSN E10R vacated for PSN E10 & E11
- Western part of service road must be vacated at the entrance/exit of ACFT to/from E11

PARKING POSITIONS AND INS / REFERENCE POINTS
PASSENGER TERMINAL APRON EAST

PSN NR	INS COORDINATES	PSN NR	INS COORDINATES
E1	454434.23N 0160448.45E	E8L	454427.51N 0160437.74E
E2	454433.25N 0160446.96E	E8	454426.59N 0160437.91E
E3	454432.29N 0160445.51E	E8R	454426.07N 0160436.88E
E4	454431.18N 0160443.81E	E8Q	454426.44N 0160438.08E
E5	454430.22N 0160442.36E	E9	454425.60N 0160435.17E
E5R	454429.97N 0160442.45E	E10	454424.85N 0160433.65E
E6	454429.26N 0160440.90E	E10R	454423.96N 0160433.92E
E7	454428.30N 0160439.44E	E11	454423.48N 0160433.21E
E7R	454428.05N 0160439.54E		

TAXIING AND PARKING RESTRICTIONS AND NOTES:
APRON EAST (E) IN FRONT OF NEW PASSENGER TERMINAL

Enter / Exit to from Apron

1. During the daylight:

   RWY04 - entrance via TXY G, exit via TXY H
   RWY22 - entrance via TXY H, exit via TXY G

2. Entrance to Apron is via TWY G during the night and LVO.
3. Exit from Apron is via TWY H during the night and LVO.

Apron TWY

1. Apron TWY is MC.

Taxiing on Apron

1. Parking position number for inbound traffic is provided by ATC.
2. Adhere strictly to the yellow taxi guide line, Visual Docking Guidance System or manual parking/docking.
   For other restrictions adhere strictly to Zagreb Tower instructions and Follow me guidance.
3. The movement of more than one aircraft on the apron at the same time is allowed in conditions other than LVO, when the aircraft are at a safe distance from each other, regarding restrictions for PSN and as regulated by airport. Simultaneous movement of two ACFT code letter "E" is prohibited on three adjacent PSNs:
   - two in direction of ACFT push-back, and
   - one in direction of ACFT taxi.
4. During LVO movement on the apron is restricted to one aircraft and follow me guidance is provided for inbound and outbound traffic.
5. Mandatory notification of stand position number to ATC with start up / push-back request.

CHANGE: Airport name; Magnetic variation annual change; Taxiing and parking restrictions and notes; ADDED: Satellite Fire Fighting Facility; Ground Support Equipment Staging Area

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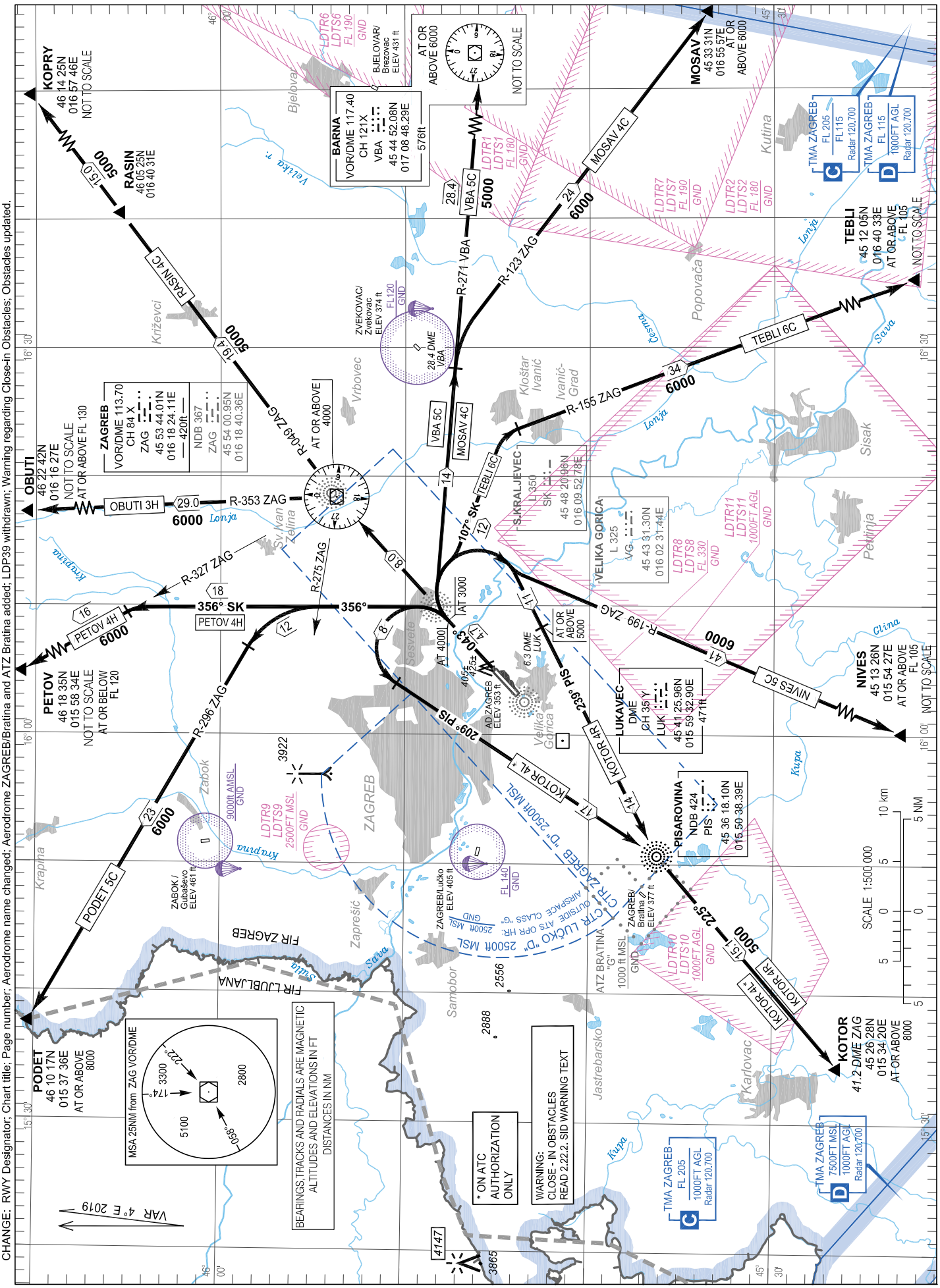
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

ZAGREB ATIS	124.575
ZAGREB TOWER	118.300
ZAGREB RADAR	120.700

ZAGREB / Franjo Tuđman
CROATIA
RWY 04



CHANGE: RWY Designator; Chart title; Page number; Aerodrome name changed; Aerodrome ZAGREB/Bratina and ATZ Bratina added; LDP39 withdrawn; Warning regarding Close-in Obstacles; Obstacles updated.

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
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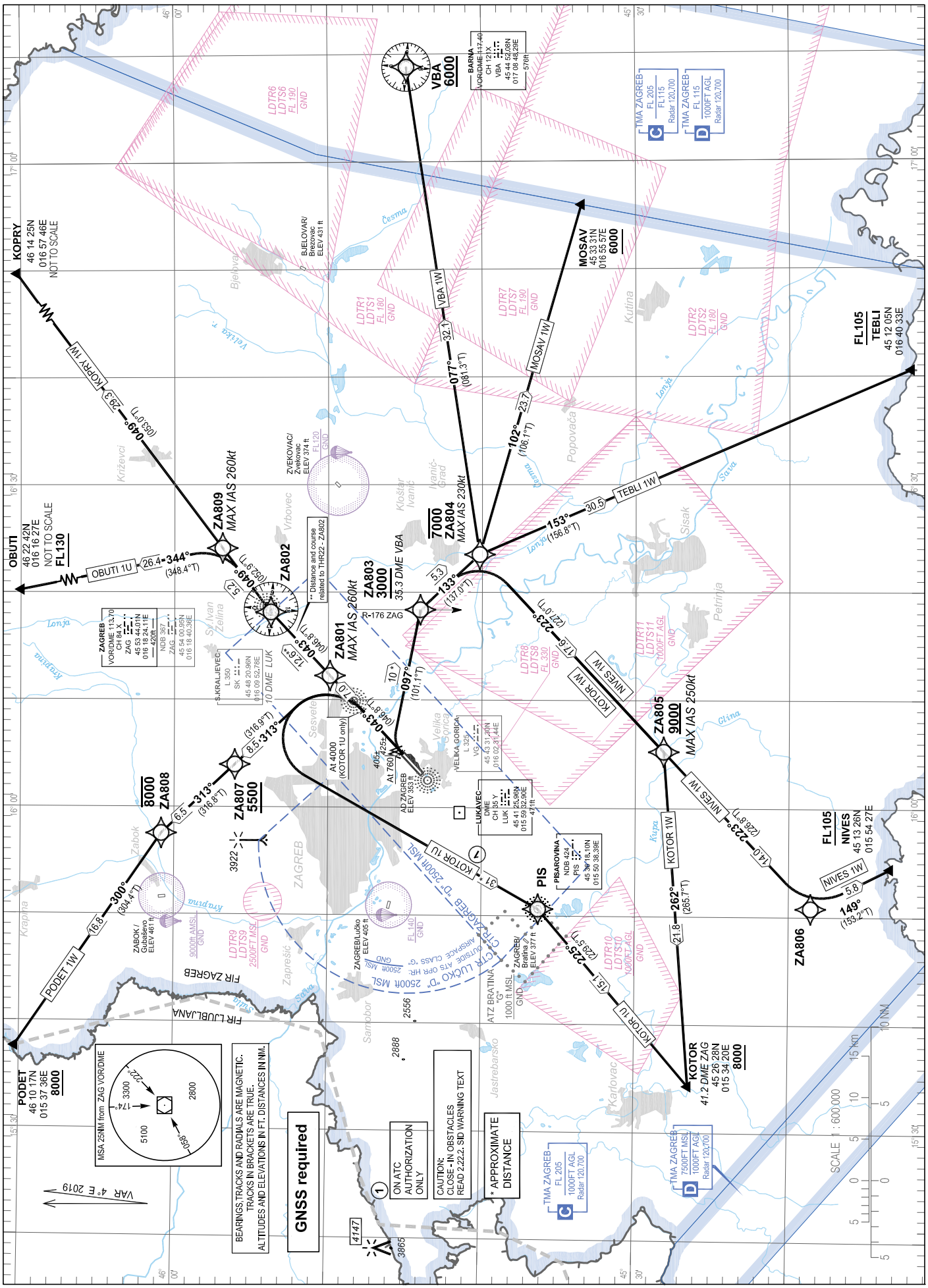
ZAGREB ATIS	124.575
ZAGREB TOWER	118.300
ZAGREB RADAR	120.700

ZAGREB / Franjo Tuđman
CROATIA
RNAV RWY 04



CHANGE: RWY Designator; Chart title; Page number; Aerodrome name changed; Aerodrome ZAGREB/Bratina and ATZ Bratina added; Warning regarding Close-in Obstacles; Obstacles updated.

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CROATIA
RNAV RWY 04

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 120.700 MHZ.

CAUTION: Close-in obstacles. 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)	4.00°E	7.0	-	-	-260	MNM PDG 6.0% (365 FT/NM) to 5500 FT AMSL	RNAV 1
020		TF	ZA807	-	313° (316.9°T)	4.00°E	8.5	-	+5500	-		
030		TF	ZA808	-	313° (316.8°T)	4.00°E	6.5	-	-8000	-		
040		TF	PODET	-	300° (304.4°T)	4.00°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)	4.00°E	12.6	-	-	-	-	RNAV 1
020		TF	ZA809	-	049° (052.9°T)	4.00°E	5.2	-	-	-260		
030		TF	OBUTI	-	344° (348.4°T)	4.00°E	26.4	-	+FL130	-		
010	KOPRY 1W	CF	ZA802	-	043° (046.8°T)	4.00°E	12.6	-	-	-	-	RNAV 1
020		TF	ZA809	-	049° (052.9°T)	4.00°E	5.2	-	-	-260		
030		TF	KOPRY	-	049° (053.0°T)	4.00°E	29.3	-	-	-		

CHANGE: RWY Designator; Chart title; Page number; Aerodrome name changed; Aerodrome ZAGREB/Bratina and ATZ Bratina added; Warning regarding Close-in Obstacles; Obstacles updated.

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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 3000FT 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)	4.00°E	-	-	@760	-	MNM PDG 4.0% (243 FT/NM) to 1900 FT AMSL	RNAV 1
020		CF	ZA803	-	097° (101.1°T)	4.00°E	-	-	+3000	-		
030		TF	ZA804	-	133° (137.0°T)	4.00°E	5.3	-	-7000	-230		
040		TF	VBA	-	077° (081.3°T)	4.00°E	32.1	-	+6000	-		
010	MOSAV 1W	CA	-	-	043° (046.8°T)	4.00°E	-	-	@760	-	MNM PDG 4.0% (243 FT/NM) to 1900 FT AMSL	RNAV 1
020		CF	ZA803	-	097° (101.1°T)	4.00°E	-	-	+3000	-		
030		TF	ZA804	-	133° (137.0°T)	4.00°E	5.3	-	-7000	-230		
040		TF	MOSAV	-	102° (106.1°T)	4.00°E	23.7	-	+6000	-		
010	TEBLI 1W	CA	-	-	043° (046.8°T)	4.00°E	-	-	@760	-	MNM PDG 4.0% (243 FT/NM) to 1900 FT AMSL	RNAV 1
020		CF	ZA803	-	097° (101.1°T)	4.00°E	-	-	+3000	-		
030		TF	ZA804	-	133° (137.0°T)	4.00°E	5.3	-	-7000	-230		
040		TF	TEBLI	-	153° (156.8°T)	4.00°E	30.5	-	+FL105	-		
010	NIVES 1W	CA	-	-	043° (046.8°T)	4.00°E	-	-	@760	-	MNM PDG 4.0% (243 FT/NM) to 1900 FT AMSL	RNAV 1
020		CF	ZA803	-	097° (101.1°T)	4.00°E	-	-	+3000	-		
030		TF	ZA804	-	133° (137.0°T)	4.00°E	5.3	-	-7000	-230		
040		TF	ZA805	-	223° (227.0°T)	4.00°E	17.6	-	+9000	-250		
050		TF	ZA806	-	223° (226.8°T)	4.00°E	14.0	-	-	-		
060		TF	NIVES	-	149° (153.2°T)	4.00°E	5.8	-	+FL105	-		
010	KOTOR 1W	CA	-	-	043° (046.8°T)	4.00°E	-	-	@760	-	MNM PDG 4.0% (243 FT/NM) to 1900 FT AMSL	RNAV 1
020		CF	ZA803	-	097° (101.1°T)	4.00°E	-	-	+3000	-		
030		TF	ZA804	-	133° (137.0°T)	4.00°E	5.3	-	-7000	-230		
040		TF	ZA805	-	223° (227.0°T)	4.00°E	17.6	-	+9000	-250		
050		TF	KOTOR	-	262° (265.7°T)	4.00°E	21.8	-	-	-		

CHANGE: RWY Designator; Chart title; Page number; Aerodrome name changed; Aerodrome ZAGREB/Bratina and ATZ Bratina added; Warning regarding Close-in Obstacles; Obstacles updated.

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CROATIA
RNAV RWY 04

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)	4.00°E	-	-	@4000	-	On ATC authorization only	RNAV 1
020		DF	PIS	-	-	4.00°E	-	L	-	-		
030		TF	KOTOR	-	225° (229.5°T)	4.00°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: RWY Designator; Chart title; Page number; Aerodrome name changed; Aerodrome ZAGREB/Bratina and ATZ Bratina added; Warning regarding Close-in Obstacles; Obstacles updated.

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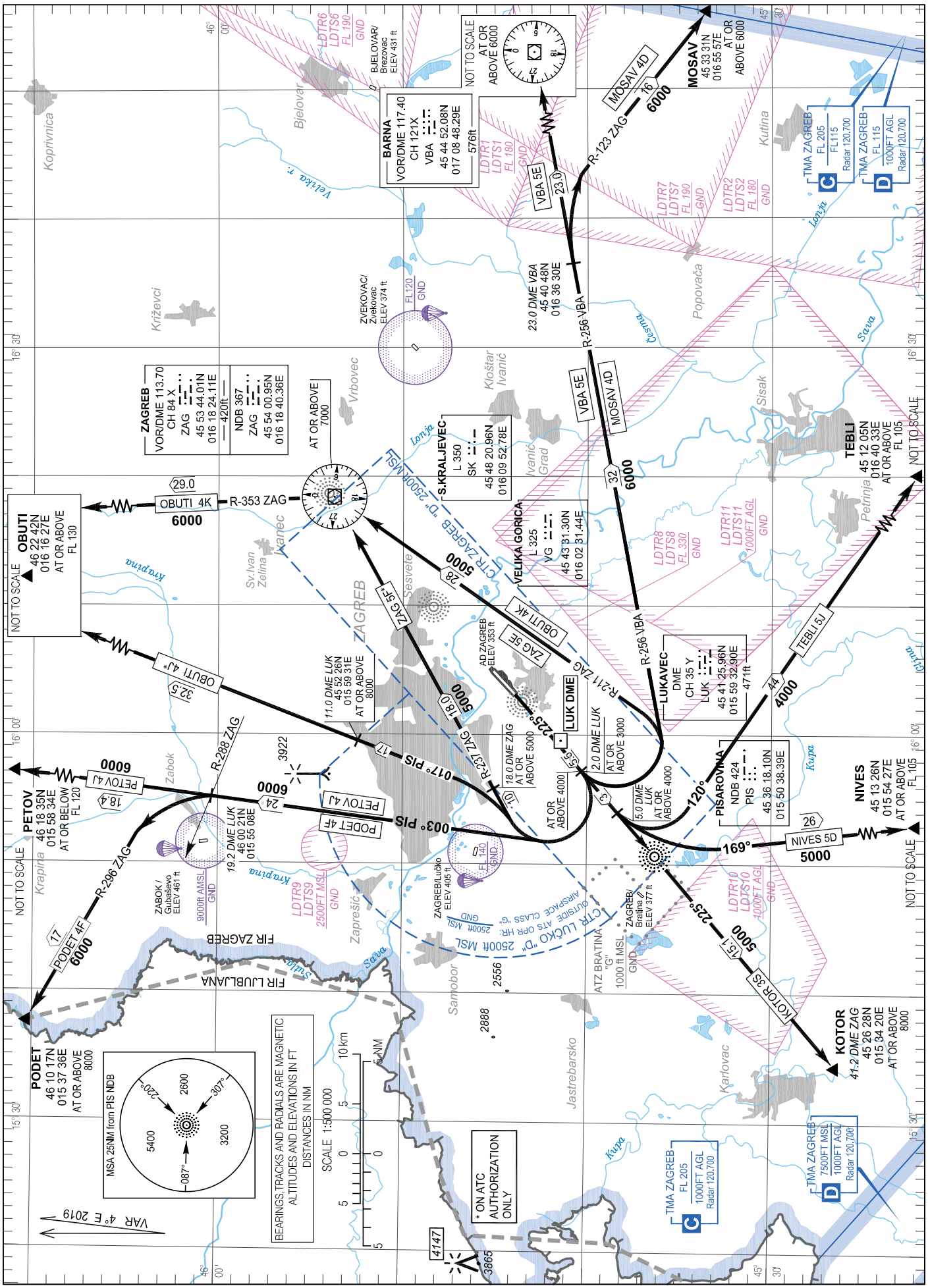
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

ZAGREB ATIS	124.575
ZAGREB TOWER	118.300
ZAGREB RADAR	120.700

ZAGREB / Franjo Tuđman
CROATIA
RWY 22



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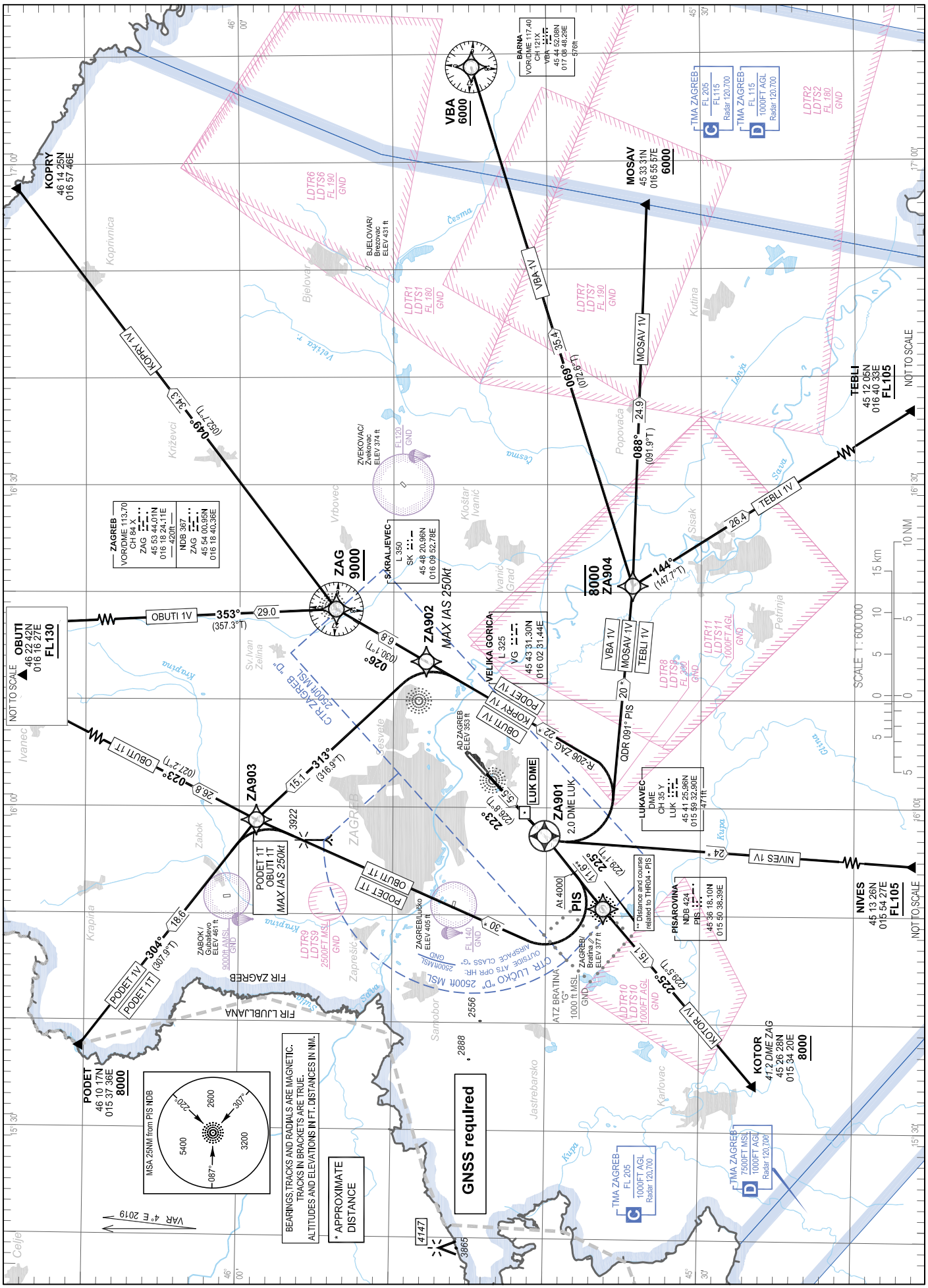
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

ZAGREB ATIS	124.575
ZAGREB TOWER	118.300
ZAGREB RADAR	120.700

ZAGREB / Franjo Tuđman
CROATIA
RNAV RWY 22



CHANGE: RWY Designator; Title; Page number name; Aerodrome name changed; Aerodrome ZAGREB/Bratina and ATZ Bratina added.

ZAGREB / Franjo Tuđman
CROATIA
RNAV RWY 22

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 120.700 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 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)	4.00°E	5.5	-	-	-	MNM PDG 4.0% (243 FT/NM) to 2300 FT AMSL due to G class airspace	RNAV 1
020		DF	ZA902	-	-	4.00°E	-	L	-	-250		
030		TF	ZA903	-	313° (316.9° T)	4.00°E	15.1	-	-	-		
040		TF	PODET	-	304° (307.9°T)	4.00°E	18.6	-	+8000	-		
010	OBUTI 1V	CF	ZA901	Y	223° (226.8°T)	4.00°E	5.5	-	-	-	MNM PDG 4.0% (243 FT/NM) to 2300 FT AMSL due to G class airspace	RNAV 1
020		DF	ZA902	-	-	4.00°E	-	L	-	-250		
030		TF	ZAG	-	026° (030.1° T)	4.00°E	6.8	-	+9000	-		
040		TF	OBUTI	-	353° (357.3°T)	4.00°E	29.0	-	+FL130	-		
010	KOPRY 1V	CF	ZA901	Y	223° (226.8°T)	4.00°E	5.5	-	-	-	MNM PDG 4.0% (243 FT/NM) to 2300 FT AMSL due to G class airspace	RNAV 1
020		DF	ZA902	-	-	4.00°E	-	L	-	-250		
030		TF	ZAG	-	026° (030.1° T)	4.00°E	6.8	-	+9000	-		
040		TF	KOPRY	-	049° (052.7°T)	4.00°E	34.3	-	-	-		

CHANGE: RWY Designator; Chart title; Page number; Aerodrome name changed; Aerodrome ZAGREB/Bratina and ATZ Bratina added.

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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)	4.00°E	5.5	-	-	-	MNM PDG 4.0% (243 FT/NM) to 2300 FT AMSL due to G class airspace	RNAV 1
020		DF	ZA904	-	-	4.00°E	-	L	-8000	-		
030		TF	VBA	-	069° (072.6°T)	4.00°E	35.4	-	+6000	-		
010	MOSAV 1V	CF	ZA901	Y	223° (226.8°T)	4.00°E	5.5	-	-	-	MNM PDG 4.0% (243 FT/NM) to 2300 FT AMSL due to G class airspace	RNAV 1
020		DF	ZA904	-	-	4.00°E	-	L	-8000	-		
030		TF	MOSAV	-	088° (091.9°T)	4.00°E	24.9	-	+6000	-		
010	TEBLI 1V	CF	ZA901	Y	223° (226.8°T)	4.00°E	5.5	-	-	-	MNM PDG 4.0% (243 FT/NM) to 2300 FT AMSL due to G class airspace	RNAV 1
020		DF	ZA904	-	-	4.00°E	-	L	-8000	-		
030		TF	TEBLI	-	144° (147.7°T)	4.00°E	26.4	-	+FL105	-		

CHANGE: RWY Designator; Chart title; Page number; Aerodrome name changed; Aerodrome ZAGREB/Bratina and ATZ Bratina added.

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CROATIA
RNAV RWY 22

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)	4.00°E	-	-	@4000	-	MNM PDG 6.7% (407 FT/NM) to 5000 FT AMSL	RNAV 1
020		DF	ZA903	-	-	4.00°E	-	R	-	-250		
030		TF	PODET	-	304° (307.9°T)	4.00°E	18.6	-	+8000	-		
010	OBUTI 1T	CA	-	-	223° (226.8°T)	4.00°E	-	-	@4000	-	MNM PDG 6.7% (407 FT/NM) to 5000 FT AMSL	RNAV 1
020		DF	ZA903	-	-	4.00°E	-	R	-	-250		
030		TF	OBUTI	-	023° (027.2°T)	4.00°E	26.8	-	+FL130	-		
010	NIVES 1V	CF	ZA901	Y	223° (226.8°T)	4.00°E	5.5	-	+2500	-	MNM PDG 6.4% (389 FT/NM) to 2500 FT AMSL	RNAV 1
020		DF	NIVES	-	-	4.00°E	-	L	+FL105	-		
010	KOTOR 1V	CF	PIS	-	225° (229.1°T)	4.00°E	11.6	-	-	-	-	RNAV 1
030		TF	KOTOR	-	225° (229.5°T)	4.00°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

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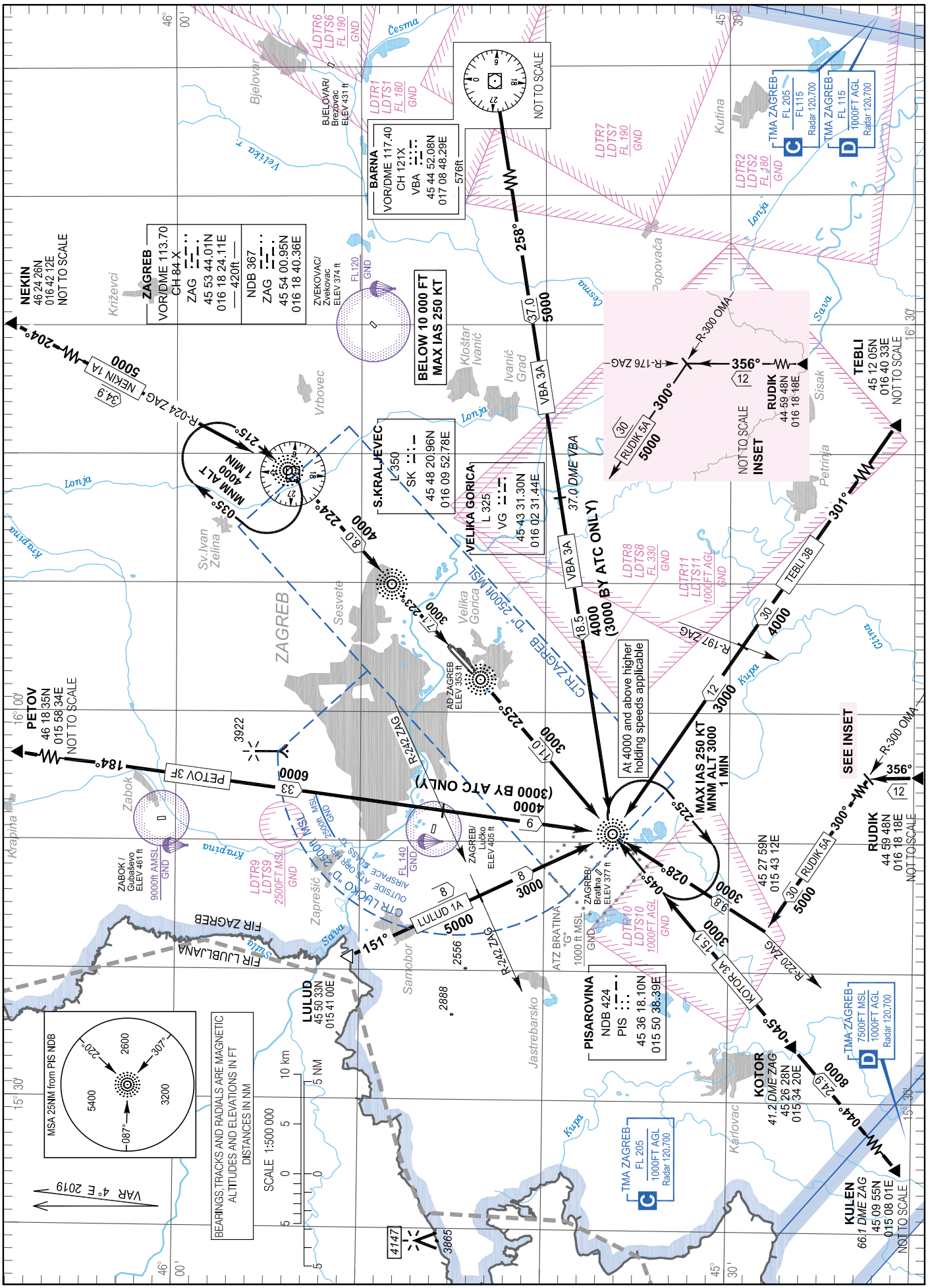
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

ZAGREB ATIS	124.575
ZAGREB RADAR	120.700
ZAGREB TOWER	118.300

ZAGREB / Franjo Tuđman
CROATIA
RWY 04



CHANGE: RWY Designator; Chart title; Page number; Aerodrome name changed; Aerodrome ZAGREB/Bratina and ATZ Bratina added; LDP39 withdrawn.

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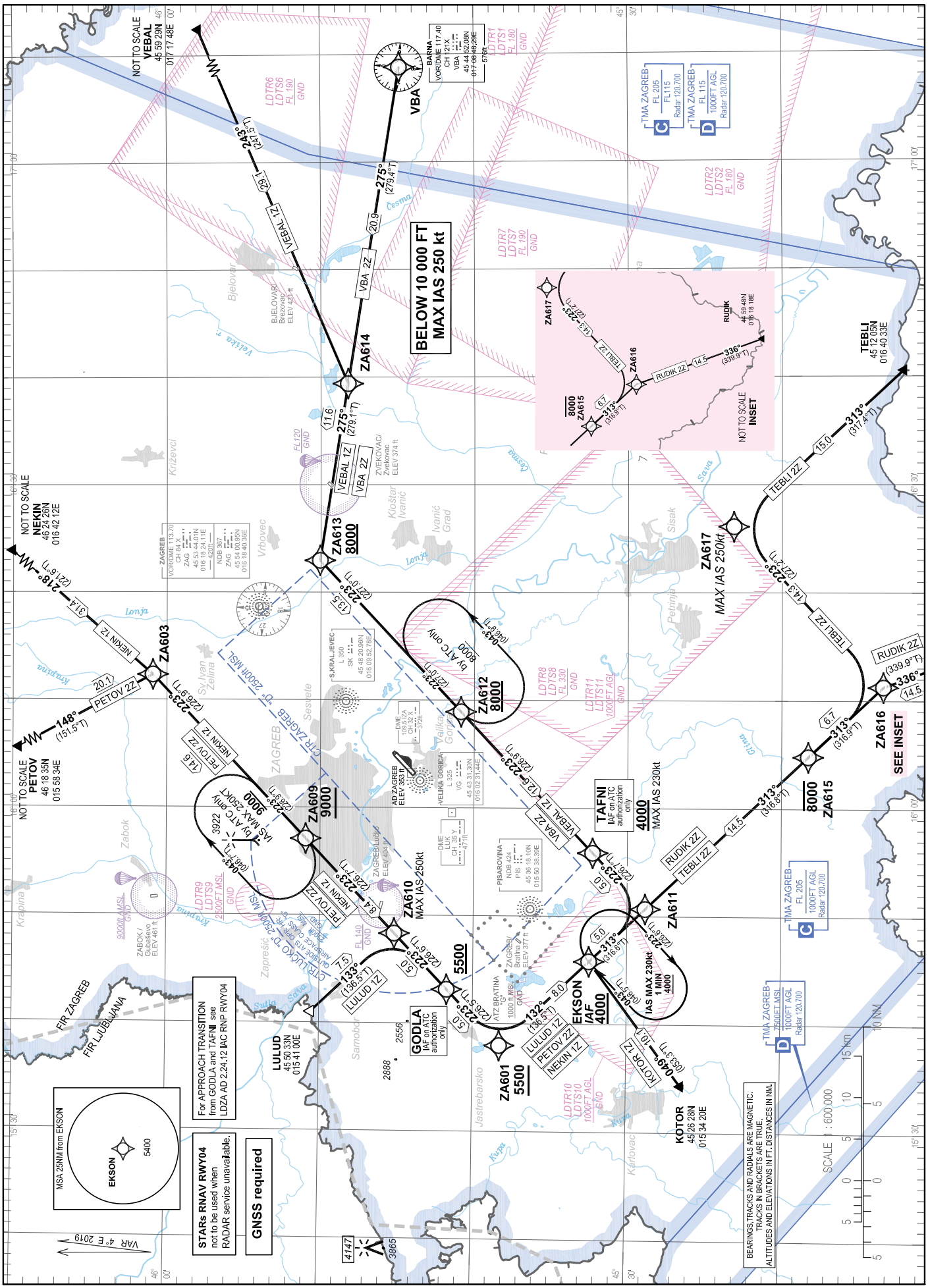
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

ZAGREB ATIS	124.575
ZAGREB RADAR	120.700
ZAGREB TOWER	118.300

ZAGREB / Franjo Tuđman
CROATIA
RNAV RWY 04



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CROATIA
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	VEBAL 1Z	IF	VEBAL	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	ZA614	-	243° (247.5°T)	4.00°E	29.1	-	-	-	-	
030		TF	ZA613	-	275° (279.1°T)	4.00°E	11.6	-	+8000	-	-	
040		TF	ZA612	-	223° (227.0°T)	4.00°E	13.5	-	+8000	-	-	
050		TF	TAFNI	-	223° (226.9°T)	4.00°E	12.6	-	+4000	-230	IAF on ATC authorization only	
060		TF	ZA611	-	223° (226.7°T)	4.00°E	5.0	-	-	-	-	
070		TF	EKSON	-	313° (316.6°T)	4.00°E	5.0	-	+4000	-	IAF	
010	VBA 2Z	IF	VBA	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	ZA614	-	275° (279.4°T)	4.00°E	20.9	-	-	-	-	
030		TF	ZA613	-	275° (279.1°T)	4.00°E	11.6	-	+8000	-	-	
040		TF	ZA612	-	223° (227.0°T)	4.00°E	13.5	-	+8000	-	-	
050		TF	TAFNI	-	223° (226.9°T)	4.00°E	12.6	-	+4000	-230	IAF on ATC authorization only	
060		TF	ZA611	-	223° (226.7°T)	4.00°E	5.0	-	-	-	-	
070		TF	EKSON	-	313° (316.6°T)	4.00°E	5.0	-	+4000	-	IAF	
010	TEBLI 2Z	IF	TEBLI	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	ZA617	-	313° (317.4°T)	4.00°E	15.0	-	-	-250	-	
030		TF	ZA616	-	223° (227.2°T)	4.00°E	14.3	-	-	-	-	
040		TF	ZA615	-	313° (316.9°T)	4.00°E	6.7	-	-8000	-	-	
050		TF	ZA611	-	313° (316.8°T)	4.00°E	14.5	-	-	-	-	
060		TF	EKSON	-	313° (316.6°T)	4.00°E	5.0	-	+4000	-	IAF	
010	RUDIK 2Z	IF	RUDIK	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	ZA616	-	336° (339.9°T)	4.00°E	14.5	-	-	-	-	
030		TF	ZA615	-	313° (316.9°T)	4.00°E	6.7	-	-8000	-	-	
040		TF	ZA611	-	313° (316.8°T)	4.00°E	14.5	-	-	-	-	
050		TF	EKSON	-	313° (316.6°T)	4.00°E	5.0	-	+4000	-	IAF	

CHANGE: RWY Designator; Chart title; Page number; Aerodrome name changed; Aerodrome ZAGREB/Bratina and ATZ Bratina added; LDP39 withdrawn; IAC title renamed.

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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	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	EKSON	-	049° (053.3°T)	4.00°E	10.1	-	+4000	-	IAF	
010	LULUD 1Z	IF	LULUD	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	ZA610	-	133° (136.5°T)	4.00°E	7.5	-	-	-250	-	
030		TF	GODLA	-	223° (226.6°T)	4.00°E	5.0	-	+5500	-	IAF on ATC authorization only	
040		TF	ZA601	-	223° (226.5°T)	4.00°E	5.0	-	+5500	-	-	
050		TF	EKSON	-	132° (136.5°T)	4.00°E	8.0	-	+4000	-	IAF	
010	PETOV 2Z	IF	PETOV	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	ZA603	-	148° (151.5°T)	4.00°E	20.1	-	-	-	-	
030		TF	ZA609	-	223° (226.9°T)	4.00°E	14.6	-	+9000	-	-	
040		TF	ZA610	-	223° (226.7°T)	4.00°E	8.4	-	-	-250	-	
050		TF	GODLA	-	223° (226.6°T)	4.00°E	5.0	-	+5500	-	IAF on ATC authorization only	
060		TF	ZA601	-	223° (226.5°T)	4.00°E	5.0	-	+5500	-	-	
070		TF	EKSON	-	132° (136.5°T)	4.00°E	8.0	-	+4000	-	IAF	
010	NEKIN 1Z	IF	NEKIN	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	ZA603	-	218° (221.6°T)	4.00°E	31.4	-	-	-	-	
030		TF	ZA609	-	223° (226.9°T)	4.00°E	14.6	-	+9000	-	-	
040		TF	ZA610	-	223° (226.7°T)	4.00°E	8.4	-	-	-250	-	
050		TF	GODLA	-	223° (226.6°T)	4.00°E	5.0	-	+5500	-	IAF on ATC authorization only	
060		TF	ZA601	-	223° (226.5°T)	4.00°E	5.0	-	+5500	-	-	
070		TF	EKSON	-	132° (136.5°T)	4.00°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

CHANGE: RWY Designator; Chart title; Page number; Aerodrome name changed; Aerodrome ZAGREB/Bratina and ATZ Bratina added; LDP39 withdrawn; IAC title renamed.

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CROATIA
RNAV RWY 04

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	4.00°E	-	RNAV 1
ZA612	HM	223° (227.0°T)	1MIN / -	L	8000	-	-	4.00°E	HLDG by ATC only	RNAV 1
ZA609	HM	223° (226.9°T)	1MIN / -	R	9000	-	250	4.00°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: RWY Designator; Chart title; Page number; Aerodrome name changed; Aerodrome ZAGREB/Bratina and ATZ Bratina added; LDP39 withdrawn; IAC title renamed.

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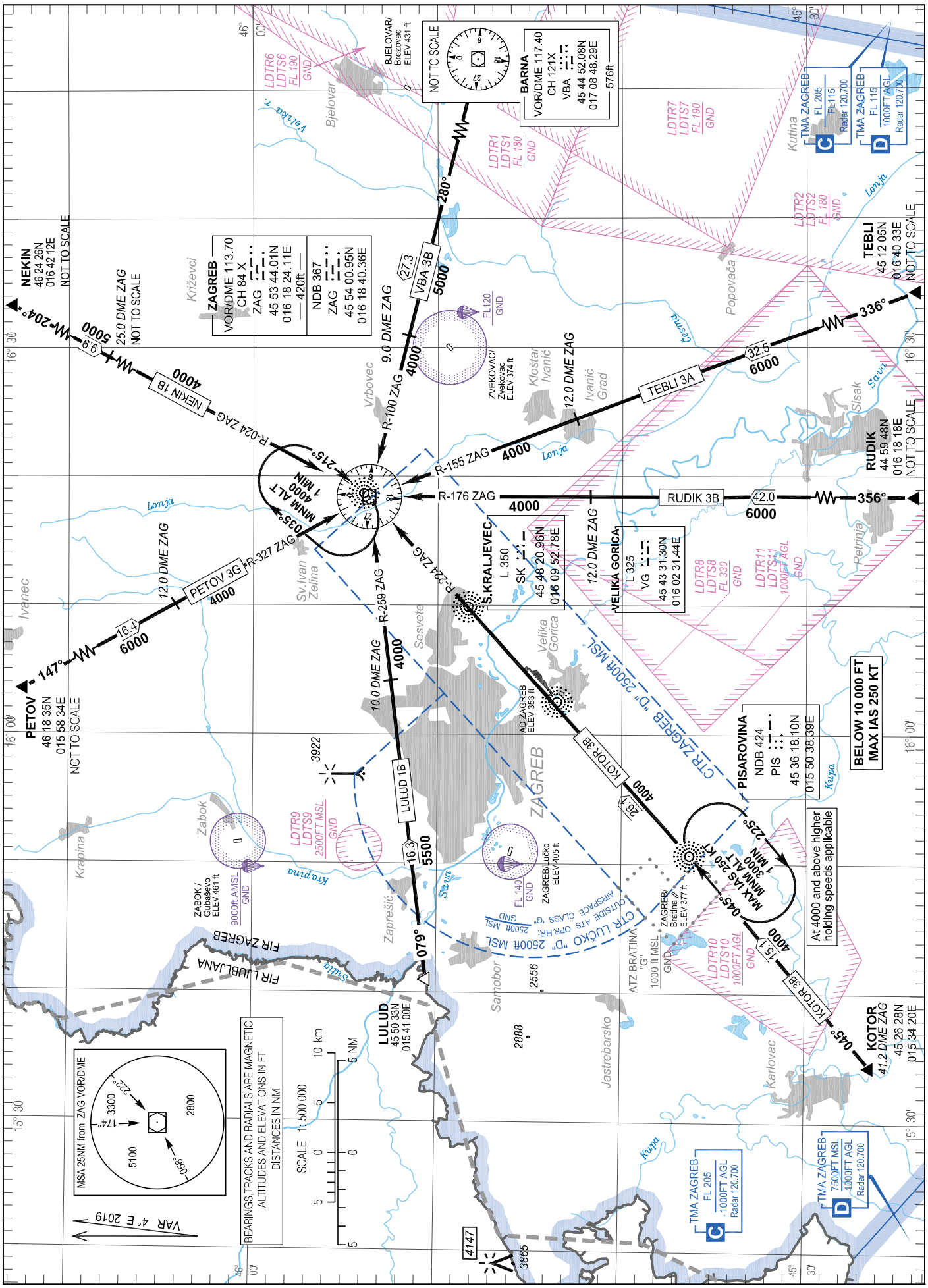
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

ZAGREB ATIS	124.575
ZAGREB RADAR	120.700
ZAGREB TOWER	118.300

ZAGREB / Franjo Tuđman
CROATIA
RWY 22



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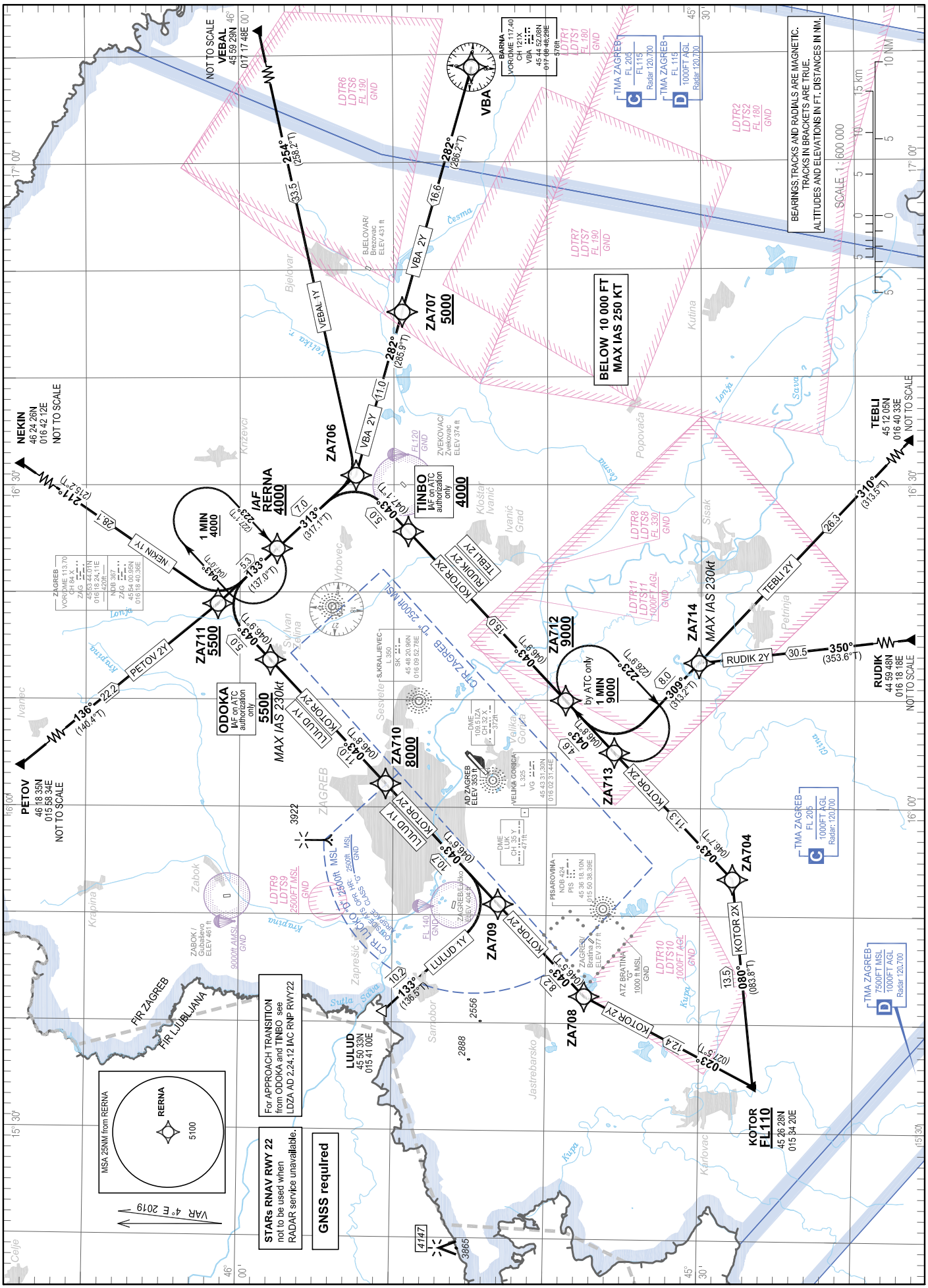
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

ZAGREB ATIS	124.575
ZAGREB RADAR	120.700
ZAGREB TOWER	118.300

ZAGREB / Franjo Tuđman
CROATIA
RNAV RWY 22



ZAGREB / Franjo Tuđman
CROATIA
RNAV RWY 22

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	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	ZA711	-	136° (140.4°T)	4.00°E	22.2	-	+5500	-	-	
030		TF	RERNA	-	133° (137.0°T)	4.00°E	5.3	-	+4000	-	IAF	
010	NEKIN 1Y	IF	NEKIN	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	ZA711	-	211° (215.2°T)	4.00°E	28.1	-	+5500	-	-	
030		TF	RERNA	-	133° (137.0°T)	4.00°E	5.3	-	+4000	-	IAF	
010	VEBAL 1Y	IF	VEBAL	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	ZA706	-	254° (258.2°T)	4.00°E	33.5	-	-	-	-	
030		TF	RERNA	-	313° (317.1°T)	4.00°E	7.0	-	+4000	-	IAF	
010	VBA 2Y	IF	VBA	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	ZA707	-	282° (286.2°T)	4.00°E	16.6	-	+5000	-	-	
030		TF	ZA706	-	282° (285.9°T)	4.00°E	11.0	-	-	-	-	
040		TF	RERNA	-	313° (317.1°T)	4.00°E	7.0	-	+4000	-	IAF	
010	TEBLI 2Y	IF	TEBLI	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	ZA714	-	310° (313.5°T)	4.00°E	26.3	-	-	-230	-	
030		TF	ZA713	-	309° (313.2°T)	4.00°E	8.0	-	-	-	-	
040		TF	ZA712	-	043° (046.8°T)	4.00°E	4.6	-	+9000	-	-	
050		TF	TINBO	-	043° (046.9°T)	4.00°E	15.0	-	+4000	-	IAF on ATC authorization only	
060		TF	ZA706	-	043° (047.1°T)	4.00°E	5.0	-	-	-	-	
070		TF	RERNA	-	313° (317.1°T)	4.00°E	7.0	-	+4000	-	IAF	

CHANGE: RWY Designator; Chart title; Page number; Aerodrome name changed; Aerodrome ZAGREB/Bratina and ATZ Bratina added; LDP39 withdrawn; IAC title renamed.

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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	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	ZA714	-	350° (353.6°T)	4.00°E	30.5	-	-	-230	-	
030		TF	ZA713	-	309° (313.2°T)	4.00°E	8.0	-	-	-	-	
040		TF	ZA712	-	043° (046.8°T)	4.00°E	4.6	-	+9000	-	-	
050		TF	TINBO	-	043° (046.9°T)	4.00°E	15.0	-	+4000	-	IAF on ATC authorization only	
060		TF	ZA706	-	043° (047.1°T)	4.00°E	5.0	-	-	-	-	
070		TF	RERNA	-	313° (317.1°T)	4.00°E	7.0	-	+4000	-	IAF	
010	KOTOR 2X	IF	KOTOR	-	-	4.00°E	-	-	+FL110	-	-	RNAV 1
020		TF	ZA704	-	080° (083.8°T)	4.00°E	13.5	-	-	-	-	
030		TF	ZA713	-	043° (046.7°T)	4.00°E	11.3	-	-	-	-	
040		TF	ZA712	-	043° (046.8°T)	4.00°E	4.6	-	+9000	-	-	
050		TF	TINBO	-	043° (046.9°T)	4.00°E	15.0	-	+4000	-	IAF on ATC authorization only	
060		TF	ZA706	-	043° (047.1°T)	4.00°E	5.0	-	-	-	-	
070		TF	RERNA	-	313° (317.1°T)	4.00°E	7.0	-	+4000	-	IAF	
010	KOTOR 2Y	IF	KOTOR	-	-	4.00°E	-	-	+FL110	-	-	RNAV 1
020		TF	ZA708	-	023° (027.5°T)	4.00°E	12.4	-	-	-	-	
030		TF	ZA709	-	043° (046.5°T)	4.00°E	8.2	-	-	-	-	
040		TF	ZA710	-	043° (046.6°T)	4.00°E	10.7	-	+8000	-	-	
050		TF	ODOKA	-	043° (046.8°T)	4.00°E	11.0	-	+5500	-230	IAF on ATC authorization only	
060		TF	ZA711	-	043° (046.9°T)	4.00°E	5.0	-	+5500	-	-	
070		TF	RERNA	-	133° (137.0°T)	4.00°E	5.3	-	+4000	-	IAF	

CHANGE: RWY Designator; Chart title; Page number; Aerodrome name changed; Aerodrome ZAGREB/Bratina and ATZ Bratina added; LDP39 withdrawn; IAC title renamed.

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RNAV RWY 22

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	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	ZA709	-	133° (136.5°T)	4.00°E	10.2	-	-	-	-	
030		TF	ZA710	-	043° (046.6°T)	4.00°E	10.7	-	+8000	-	-	
040		TF	ODOKA	-	043° (046.8°T)	4.00°E	11.0	-	+5500	-230	IAF on ATC authorization only	
050		TF	ZA711	-	043° (046.9°T)	4.00°E	5.0	-	+5500	-	-	
060		TF	RERNA	-	133° (137.0°T)	4.00°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

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)	1MIN / -	R	4000	-	-	4.00°E	-	RNAV 1
ZA712	HM	043° (046.8°T)	1MIN / -	R	9000	-	-	4.00°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: RWY Designator; Chart title; Page number; Aerodrome name changed; Aerodrome ZAGREB/Bratina and ATZ Bratina added; LDP39 withdrawn; IAC title renamed.

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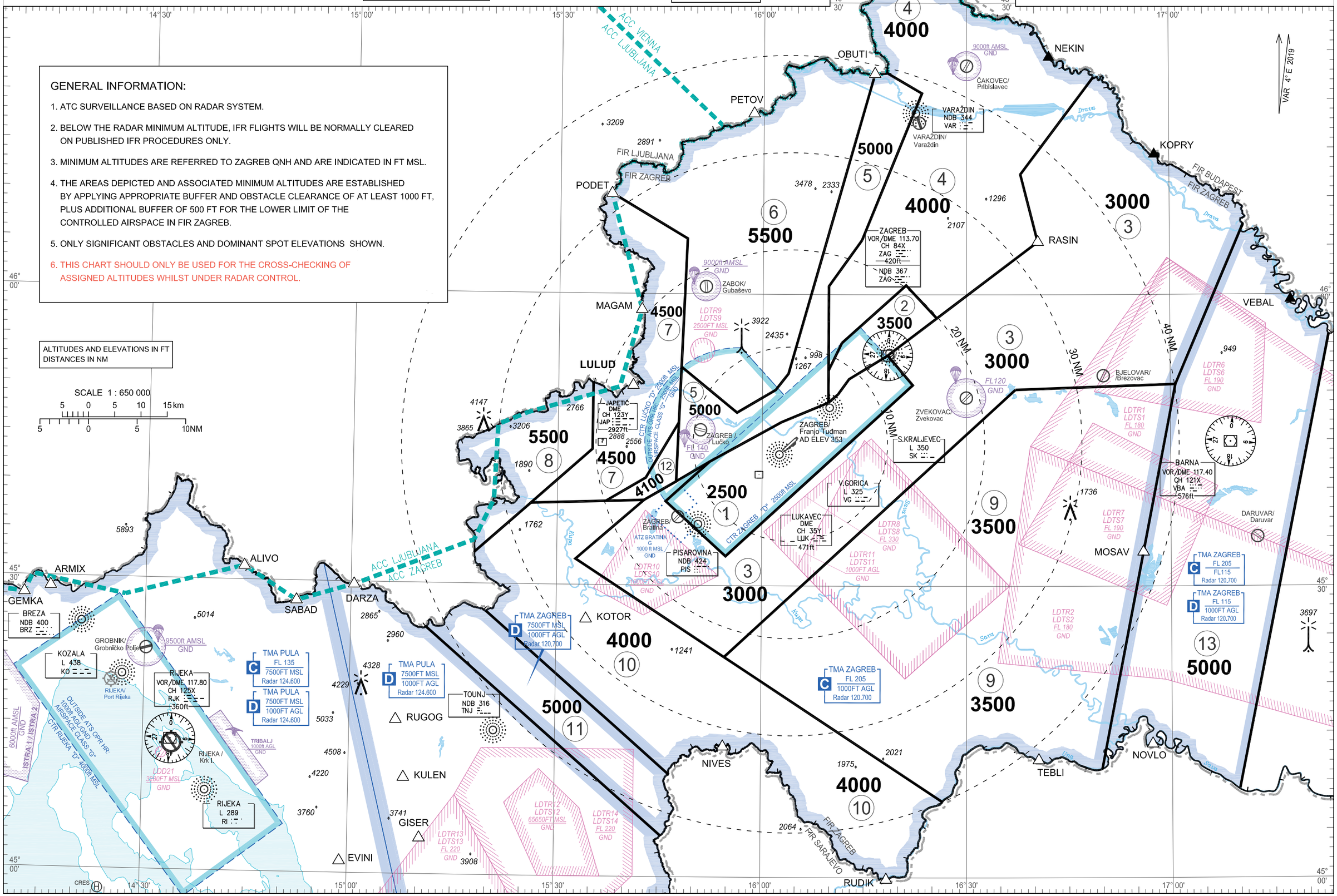
ATC SURVEILLANCE MINIMUM ALTITUDE CHART - ICAO

TRANSITION ALTITUDE 10 000

AD ELEV 353

ZAGREB ATIS	124.575
ZAGREB RADAR	120.700
ZAGREB TOWER	118.300

ZAGREB / Franjo Tuđman CROATIA



CHANGE: RUGOG Added; Aerodrome name changed; Aerodrome ZAGREB/Bratina and ATZ Bratina added; LDP39 withdrawn.

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CROATIA

LIST OF COORDINATES FOR
MINIMUM VECTORING ALTITUDE SECTORS

	WGS-84 latitude	WGS-84 longitude
SECTOR 1	454852N	0160942E
	454945N	0161108E
	455117N	0161243E
	455344N	0161824E
	455041N	0162206E
	453301N	0155442E
	453838N	0154552E
	454245N	0155218E
	454650N	0160246E
	454852N	0160942E

	WGS-84 latitude	WGS-84 longitude
SECTOR 2	454852N	0160942E
	455211N	0160942E
	455501N	0161138E
	460057N	0162106E
	455734N	0162538E
	455344N	0161824E
	455117N	0161243E
	454945N	0161108E
	454852N	0160942E

	WGS-84 latitude	WGS-84 longitude
SECTOR 3	462220N	0164846E
	along FIR BDRY Zagreb - Budapest	
	460715N	0171052E
	455046N	0170045E
	455013N	0163712E
	452239N	0155435E
	453238N	0153245E
	453845N	0154243E
	454041N	0154723E
	454245N	0155218E
	453838N	0154552E
	453301N	0155442E
	455041N	0162206E
	455344N	0161824E
	460525N	0164031E
	461222N	0163758E
	462220N	0164846E

	WGS-84 latitude	WGS-84 longitude
SECTOR 4	462249N	0161811E
	along FIR BDRY Zagreb - Ljubljana	
	along FIR BDRY Zagreb - Budapest	
	462220N	0164846E
	461222N	0163758E
	460525N	0164031E
	455734N	0162538E
	460057N	0162106E
	455501N	0161138E
	455211N	0160942E
	455711N	0160942E
	460051N	0160942E
	460537N	0161435E
	462043N	0162324E
	462249N	0161811E

	WGS-84 latitude	WGS-84 longitude
SECTOR 5	462249N	0161811E
	462043N	0162324E
	460537N	0161435E
	460051N	0160942E
	455711N	0160942E
	454852N	0160942E
	454650N	0160246E
	454245N	0155218E
	454041N	0154723E
	455227N	0154805E
	454748N	0155616E
	455010N	0160157E
	455150N	0160348E
	462242N	0161627E
	along FIR BDRY Zagreb - Ljubljana	
	462249N	0161811E

	WGS-84 latitude	WGS-84 longitude
SECTOR 6	462242N	0161627E
	455150N	0160348E
	455010N	0160157E
	454748N	0155616E
	455227N	0154805E
	460541N	0154848E
	461017N	0153736E
	along FIR BDRY Zagreb - Ljubljana	
	462242N	0161627E

	WGS-84 latitude	WGS-84 longitude
SECTOR 7	461017N	0153736E
	460541N	0154848E
	454646N	0154744E
	454103N	0154257E
	453837N	0153707E
	453820N	0152607E
	454358N	0153506E
	455049N	0153506E
	along FIR BDRY Zagreb - Ljubljana	
	461017N	0153736E

	WGS-84 latitude	WGS-84 longitude
SECTOR 8	455049N	0153506E
	454358N	0153506E
	453313N	0151757E
	along FIR BDRY Zagreb - Ljubljana	
	455049N	0153506E

	WGS-84 latitude	WGS-84 longitude
SECTOR 9	455046N	0170045E
	451111N	0164948E
	along FIR BDRY Zagreb - Sarajevo	
	450749N	0162628E
	452239N	0155435E
	455013N	0163712E
	455046N	0170045E

	WGS-84 latitude	WGS-84 longitude
SECTOR 10	450749N	0162628E
	along FIR BDRY Zagreb - Sarajevo	
	451031N	0154640E
	452710N	0151943E
	along FIR BDRY Zagreb - Ljubljana	
	453313N	0151757E
	453820N	0152607E
	453845N	0154243E
	453238N	0153245E
	450749N	0162628E

	WGS-84 latitude	WGS-84 longitude
SECTOR 11	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 12	453837N	0153707E
	454103N	0154257E
	454646N	0154744E
	454041N	0154723E
	453845N	0154243E
	453837N	0153707E

	WGS-84 latitude	WGS-84 longitude
SECTOR 13	460715N	0171052E
	along FIR BDRY Zagreb - Budapest	
	455553N	0172323E
	450912N	0170950E
	along FIR BDRY Zagreb - Sarajevo	
	451111N	0164948E
	455046N	0170045E
	460715N	0171052E

CHANGE: RUGOG Added; Aerodrome name changed; Aerodrome ZAGREB/Bratina and ATZ Bratina added; LDP39 withdrawn.

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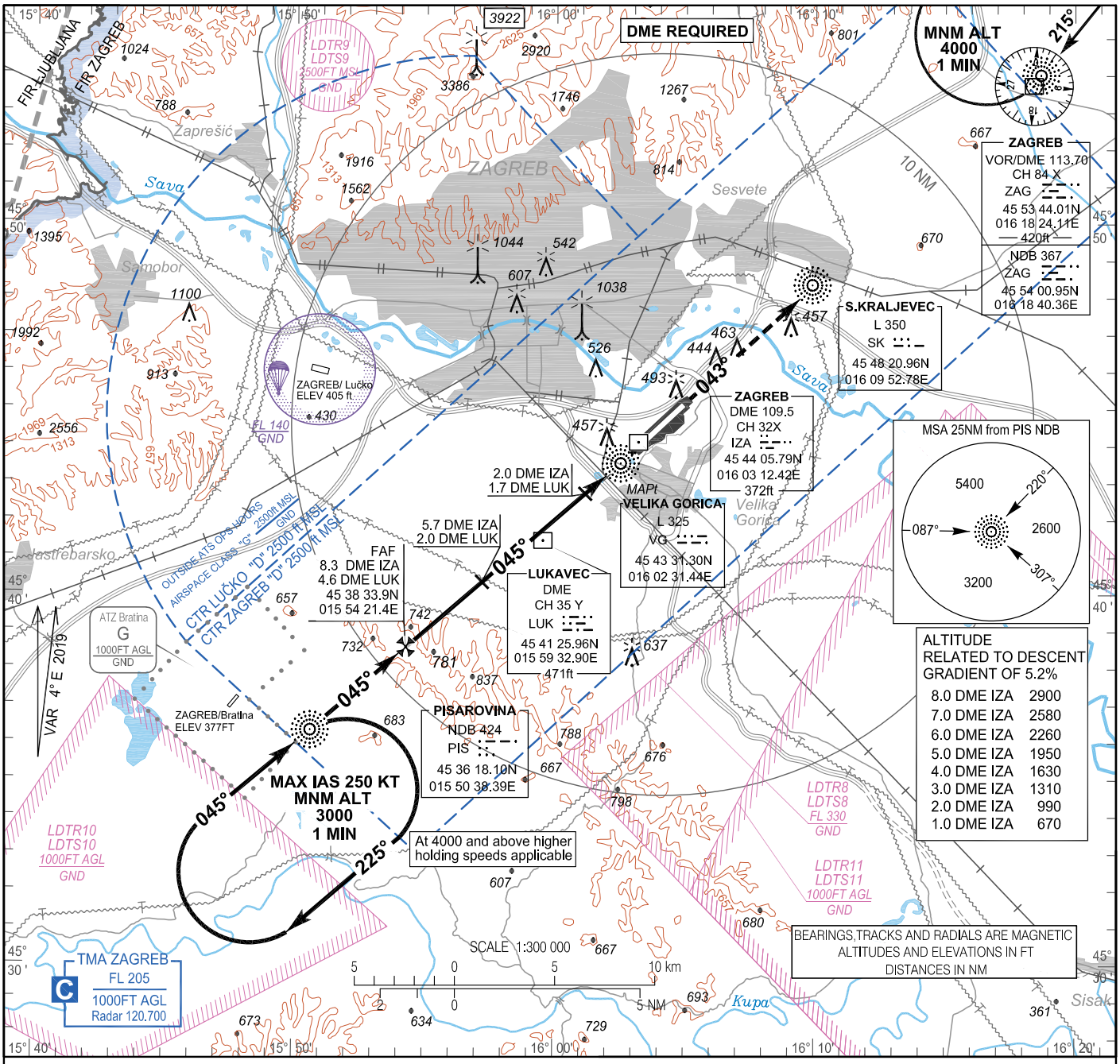
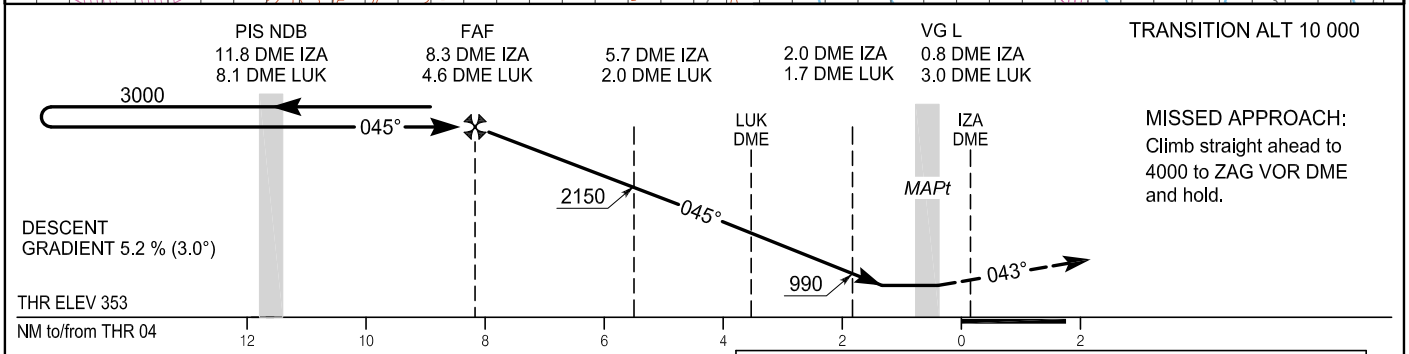
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 353
HEIGHTS RELATED
TO THR 04 ELEV 353

ZAGREB ATIS	124.575
ZAGREB RADAR	120.700
ZAGREB TOWER	118.300

ZAGREB / Franjo Tuđman
CROATIA
L RWY 04





MISSED APPROACH:
Climb straight ahead to 4000 to ZAG VOR DME and hold.

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: RWY Designator; Chart title; Page number; LDP39 withdrawn; Aerodrome name changed; Aerodrome ZAGRBE/Bratina and ATZ Bratina added.

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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)	See LDZA AD 2.19	-	-
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)	See LDZA AD 2.19	-	-

CHANGE: RWY Designator; Chart title; Page number; LDP39 withdrawn; Aerodrome name changed; Aerodrome ZAGRBE/Bratina and ATZ Bratina added.

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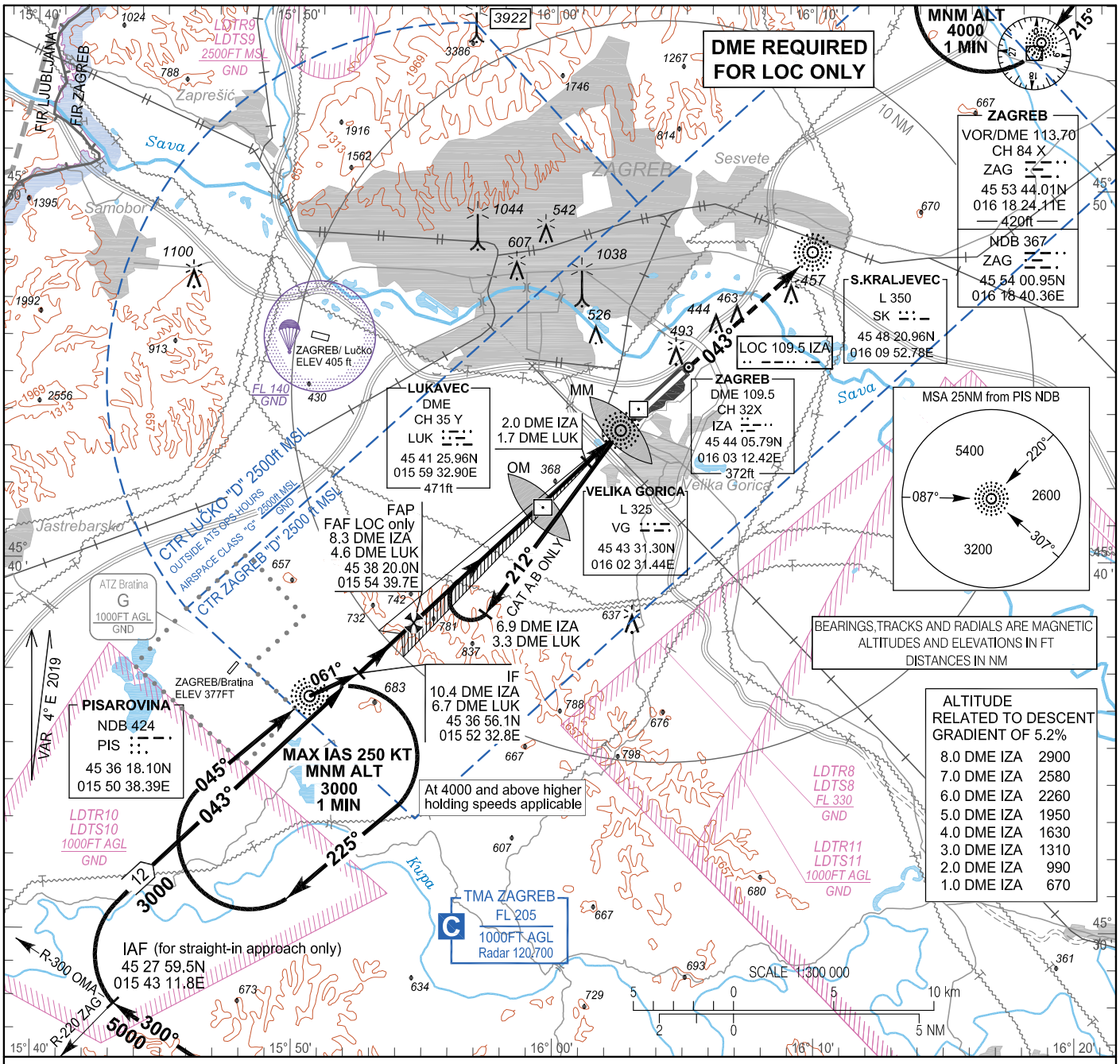
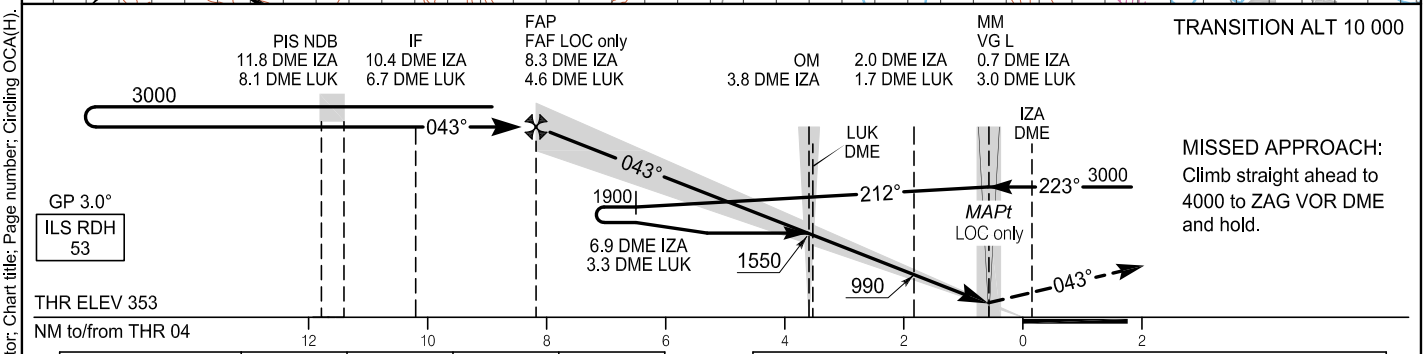
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 353
HEIGHTS RELATED
TO THR 04 ELEV 353

ZAGREB ATIS	124.575
ZAGREB RADAR	120.700
ZAGREB TOWER	118.300

ZAGREB / Franjo Tuđman
CROATIA
ILS or LOC RWY 04 CAT I/II/III





OCA(H)		A	B	C	D
Straight-in Approach	ILS CAT I press. altim.	491 (138)	498 (145)	508 (155)	518 (165)
	ILS CAT II radio. altim.	403 (50)	413 (60)	426 (73)	439 (86)
	LOC only	680 (327)			
Circling		830 (480)	850 (500)	950 (600)	1050 (700)

ILS CAT IIIb (MNM RVR 75m) approved

GS (kt)	70	90	100	120	140	160
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: RWY Designator; Chart title; Page number; Circling OCA(H).

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ZAGREB / Franjo Tuđman
CROATIA
ILS or LOC RWY 04 CAT I/II/III

AERONAUTICAL DATABASE REQUIREMENTS

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
LDZA ILS or LOC only RWY04			
LOC only - 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)	See LDZA AD 2.19	-	-
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 56.0N 015 52 32.8E	046.79° (IZA LOC)	10.35 DME IZA 6.66 DME LUK
FAP / FAF LOC only	45 38 20.0N 015 54 39.7E	046.79° (IZA LOC)	8.31 DME IZA 4.62 DME LUK
SDF LOC only (OM)	See LDZA AD 2.19	046.79° (IZA LOC)	3.76 DME IZA
SDF LOC only	45 42 39.7N 016 01 13.1E	046.79° (LOC IZA)	2.00 DME IZA 1.70 DME LUK
MAPt LOC only (MM)	See LDZA AD 2.19	046.79° (IZA LOC)	0.74 DME IZA 2.96 DME LUK

CHANGE: RWY Designator; Chart title; Page number; Circling OCA(H).

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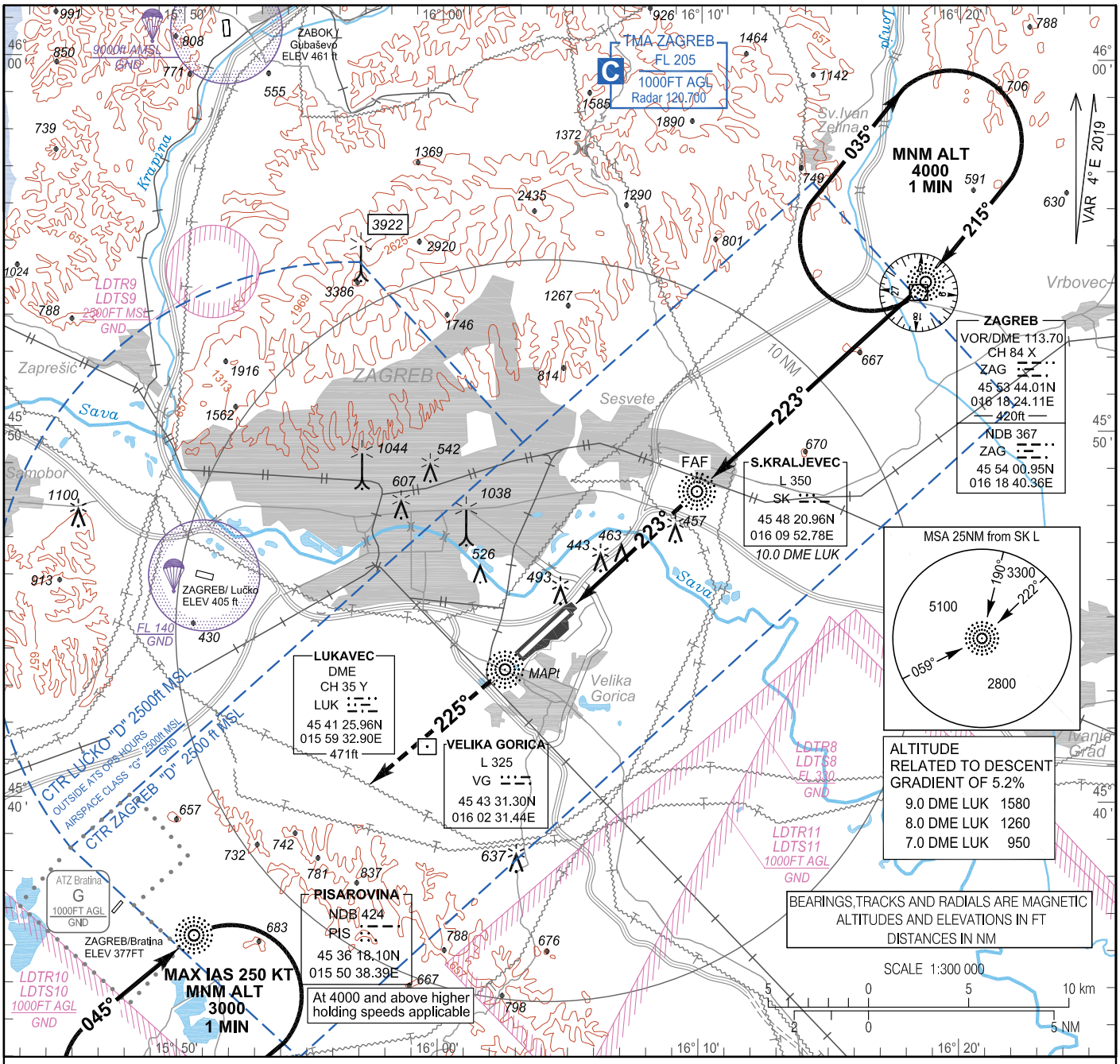
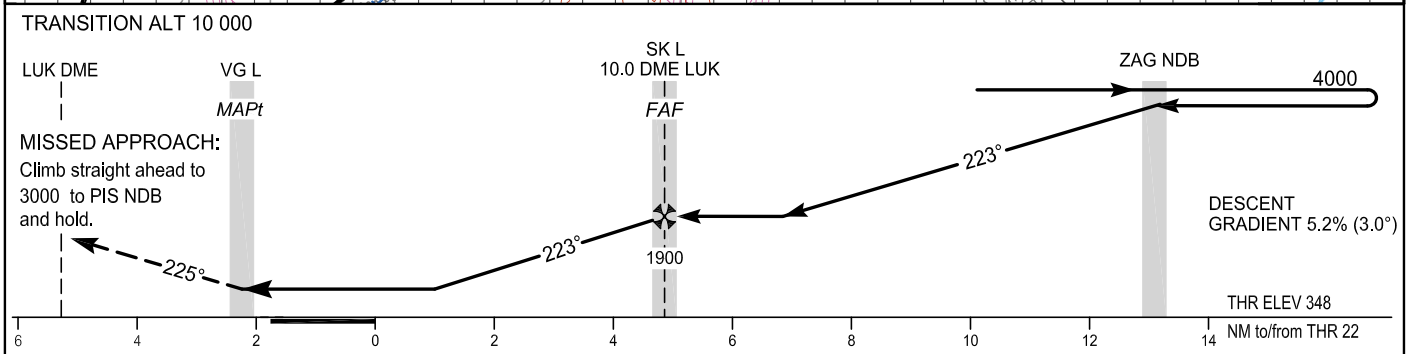
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 353
HEIGHTS RELATED
TO AD ELEV 353

ZAGREB ATIS	124.575
ZAGREB RADAR	120.700
ZAGREB TOWER	118.300

ZAGREB / Franjo Tuđman
CROATIA
L y 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: RWY Designator; Chart title; Page number; LDP39 withdrawn; Aerodrome name changed; Aerodrome ZAGRBE/Bratina and ATZ Bratina added; Visual surface segment removed.

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AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
LDZA L y 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 NDB)	See LDZA AD 2.19	-	-
FAF (SK L)	See LDZA AD 2.19	226.88° (VG L)	10.01 DME LUK
MAPt (VG L)	See LDZA AD 2.19	-	-

CHANGE: RWY Designator; Chart title; Page number; LDP39 withdrawn; Aerodrome name changed; Aerodrome ZAGRBE/Bratina and ATZ Bratina added; Visual surface segment removed.

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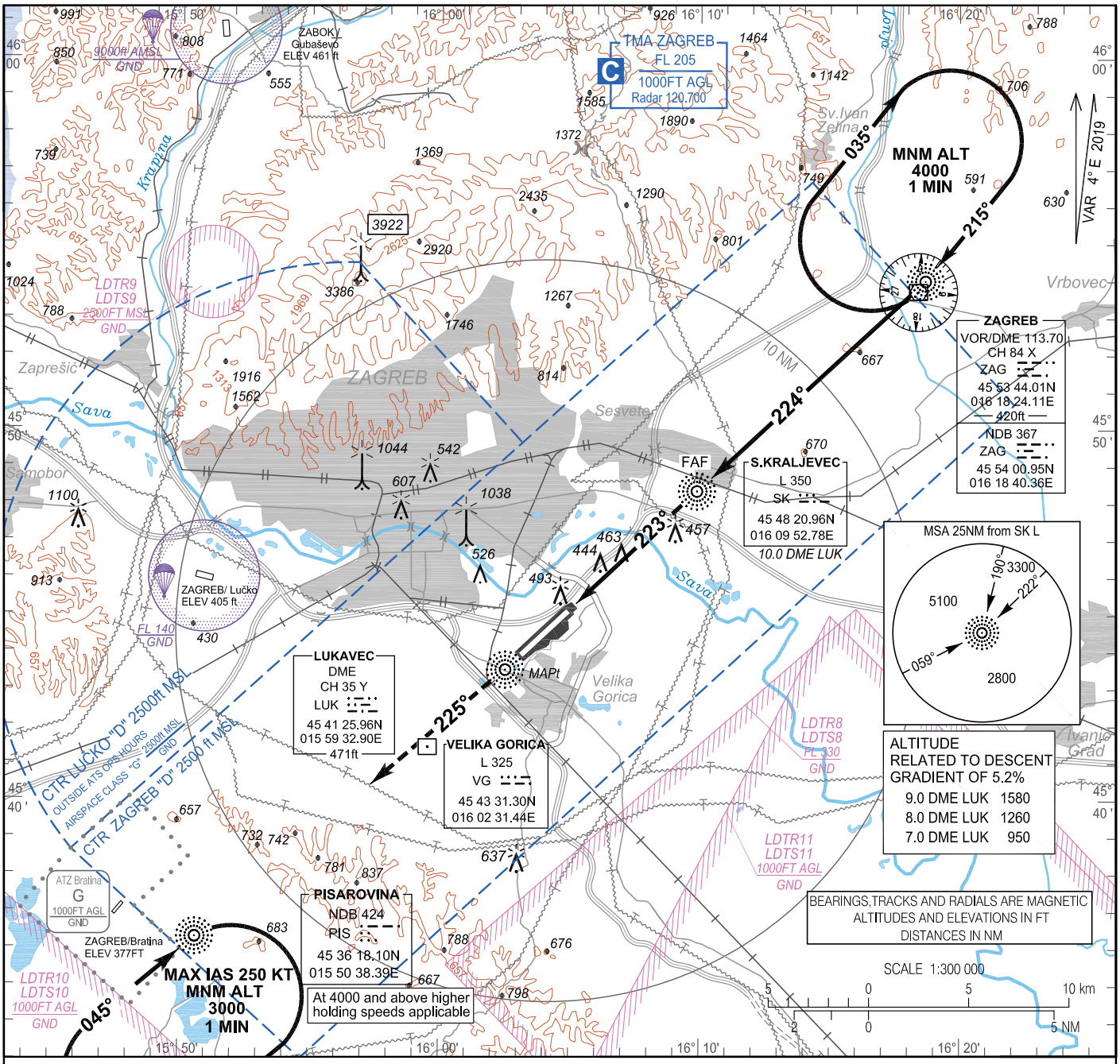
INSTRUMENT APPROACH
CHART-ICAO

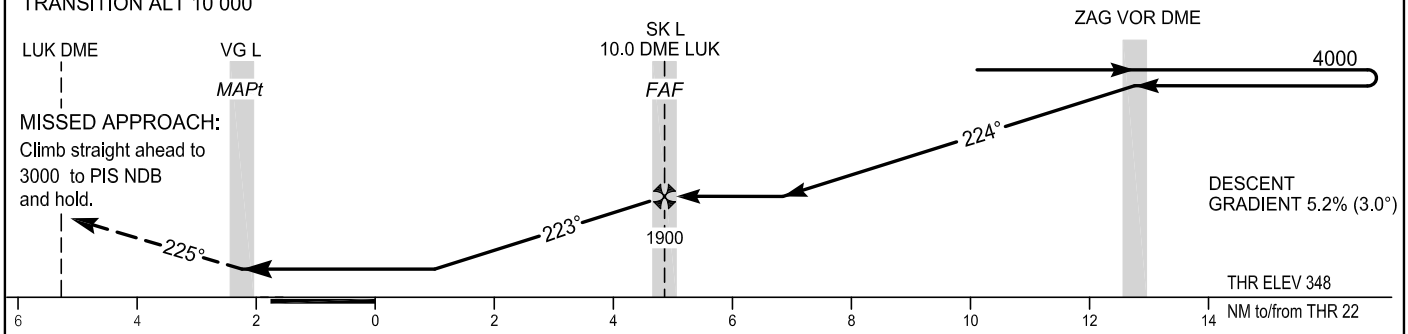
AD ELEV 353
HEIGHTS RELATED
TO AD ELEV 353

ZAGREB ATIS	124.575
ZAGREB RADAR	120.700
ZAGREB TOWER	118.300

ZAGREB / Franjo Tuđman
CROATIA
L z RWY 22



TRANSITION ALT 10 000



MISSED APPROACH:
Climb straight ahead to 3000 to PIS NDB and hold.

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: RWY Designator; Chart title; Page number; LDP39 withdrawn; Aerodrome name changed; Aerodrome ZAGRBE/Bratina and ATZ Bratina added; Visual surface segment removed.

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ZAGREB / Franjo Tuđman
CROATIA
L z RWY 22

AERONAUTICAL DATABASE REQUIREMENTS

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
LDZA L z 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)	See LDZA AD 2.19	-	-
FAF (SK L)	See LDZA AD 2.19	226.88° (VG L)	10.01 DME LUK
MAPt (VG L)	See LDZA AD 2.19	-	-

CHANGE: RWY Designator; Chart title; Page number; LDP39 withdrawn; Aerodrome name changed; Aerodrome ZAGRBE/Bratina and ATZ Bratina added; Visual surface segment removed.

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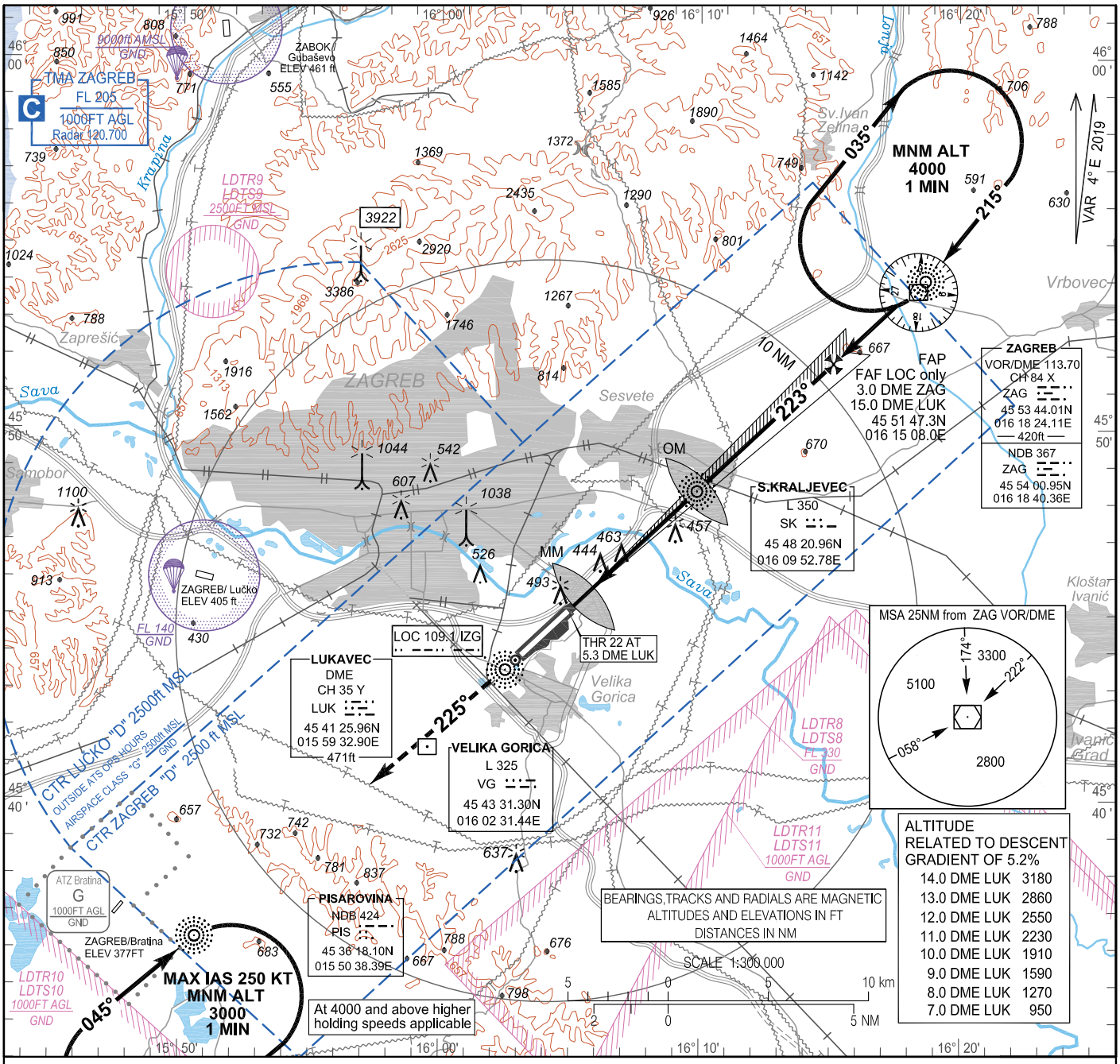
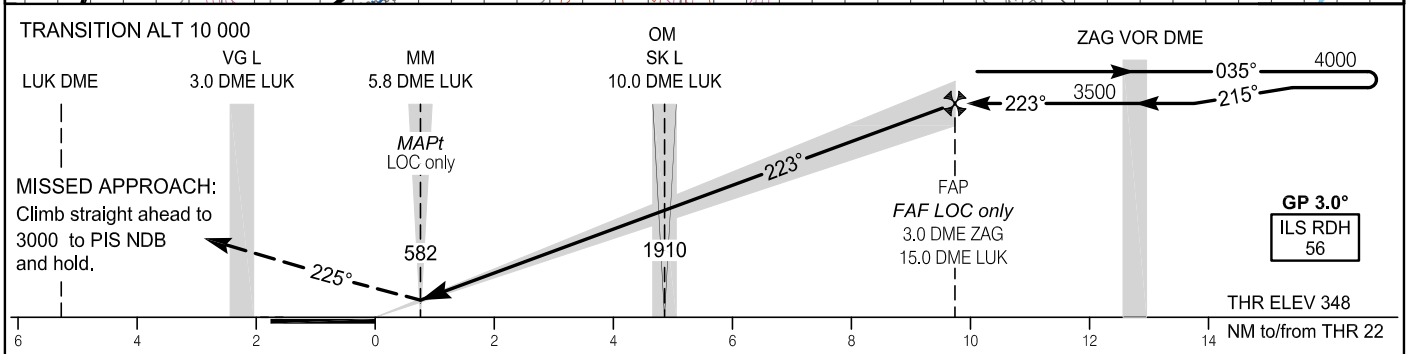
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 353
HEIGHTS RELATED
TO THR 22 ELEV 348

ZAGREB ATIS	124.575
ZAGREB RADAR	120.700
ZAGREB TOWER	118.300

ZAGREB / Franjo Tuđman
CROATIA
ILS or LOC RWY 22





OCA(H)		A	B	C	D
Straight-in Approach	ILS CAT I press. altim.	489 (141)	496 (148)	506 (158)	516 (168)
	LOC only	730(377)			
Circling		860 (507)	890 (537)	990 (637)	1090 (737)

GS (kt)	70	90	100	120	140	160
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: RWY Designator; Chart title; Page number; LDP39 withdrawn; Aerodrome name changed; Aerodrome ZAGRBE/Bratina and ATZ Bratina added; Obstacle 418 FT removed.

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ZAGREB / Franjo Tuđman
CROATIA
ILS or LOC RWY 22

AERONAUTICAL DATEBASE REQUIREMENTS

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
LDZA ILS or LOC RWY 22			
LOC only 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)	See LDZA AD 2.19	-	-
FAP / FAF LOC only	45 51 47.3N 016 15 08.0E	226.81° (IZG LOC)	3.00 DME ZAG 15.04 DME LUK
SDF LOC only (OM)	See LDZA AD 2.19	226.81° (IZG LOC)	10.00 DME LUK
MAPt LOC only (MM)	See LDZA AD 2.19	226.81° (IZG LOC)	5.84 DME LUK

CHANGE: RWY Designator; Chart title; Page number; LDP39 withdrawn; Aerodrome name changed; Aerodrome ZAGRBE/Bratina and ATZ Bratina added; Obstacle 418 FT removed.

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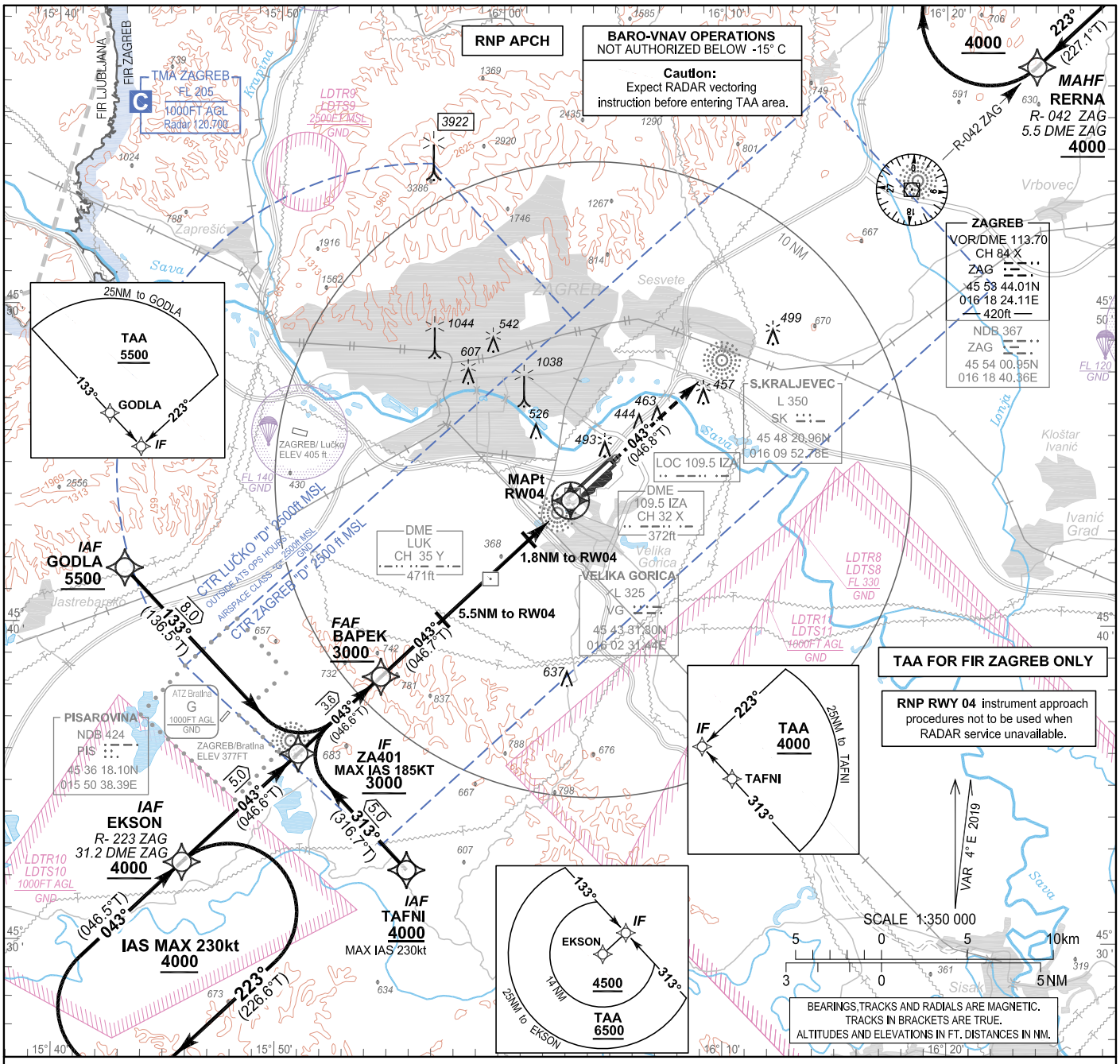
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 353
HEIGHTS RELATED
TO THR 04 ELEV 353

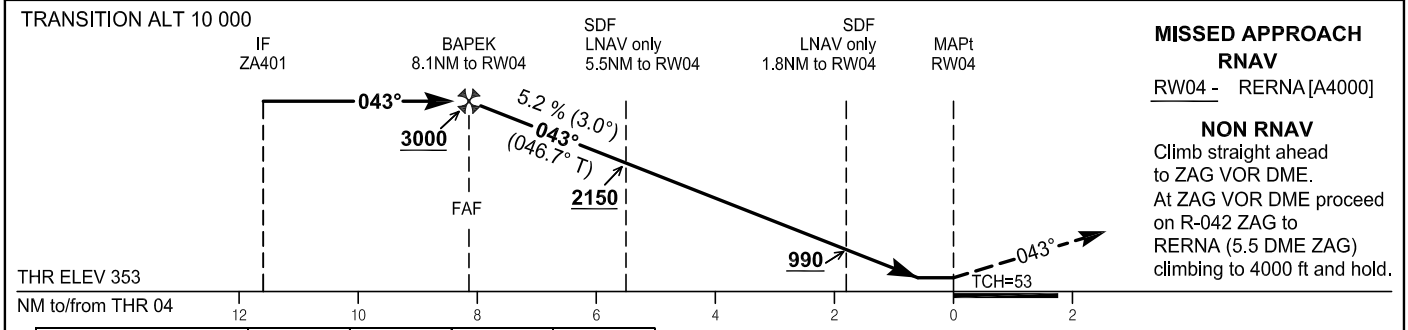
SBAS
CH:95327
E04A

ZAGREB ATIS	124.575
ZAGREB RADAR	120.700
ZAGREB TOWER	118.300

ZAGREB / Franjo Tuđman
CROATIA
RNP RWY 04



TRANSITION ALT 10 000



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 NA

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: RWY Designator; FAS Data Block; RW04 instead of RW05; Chart title; Page number; LDP39 withdrawn; Aerodrome name changed; Aerodrome ZAGREB/Bratina and ATZ Bratina added.

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CROATIA
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: RWY Designator; FAS Data Block; RW04 instead of RW05; Chart title; Page number; LDP39 withdrawn; Aerodrome name changed; Aerodrome ZAGRBE/Bratina and ATZ Bratina added.

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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	-	-	4.00°E	-	-	+5500	-	-	-	RNP APCH
020	IF	TF	ZA401	-	133° (136.5°T)	4.00°E	8.0	-	+3000	-185	-	-	
010	IAF	IF	EKSON	-	-	4.00°E	-	-	+4000	-	-		RNP APCH
020	IF	TF	ZA401	-	043° (046.6°T)	4.00°E	5.0	-	+3000	-185	-		
010	IAF	IF	TAFNI	-	-	4.00°E	-	-	+4000	-230	-	-	RNP APCH
020	IF	TF	ZA401	-	313° (316.7°T)	4.00°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	ZA401	-	-	4.00°E	-	-	+3000	-185	-	-	RNP APCH
020	FAF	TF	BAPEK	-	043° (046.6°T)	4.00°E	3.6	-	+3000	-	-	-	
030	MAPt	TF	RW04	Y	043° (046.7°T)	4.00°E	8.1	-	-	-	3.0 / 53.0	-	
040	MAHF	TF	RERNA	-	043° (046.8°T)	4.00°E	20.0	-	4000	-	-	-	
050	MAHF	HM	RERNA	-	223° (227.1°T)	4.00°E	1 MIN	R	4000	-	-	Holding above 4000ft on ATC clearance only	RNAV 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	Magnetic variation	Remarks	NAV SPEC
EKSON	HM	043° (046.5°T)	1MIN / -	R	4000	-	230 KT	4°E	-	RNAV 1
RERNA	HM	223° (227.1°T)	1MIN / -	R	4000	-	-	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
ZA401	453553.8N	0155058.8E
BAPEK	453820.0N	0155439.7E
RW04	454354.75N	0160307.09E
RERNA	455735.6N	0162402.7E

CHANGE: RWY Designator; FAS Data Block; RW04 instead of RW05; Chart title; Page number; LDP39 withdrawn; Aerodrome name changed; Aerodrome ZAGRBE/Bratina and ATZ Bratina added.

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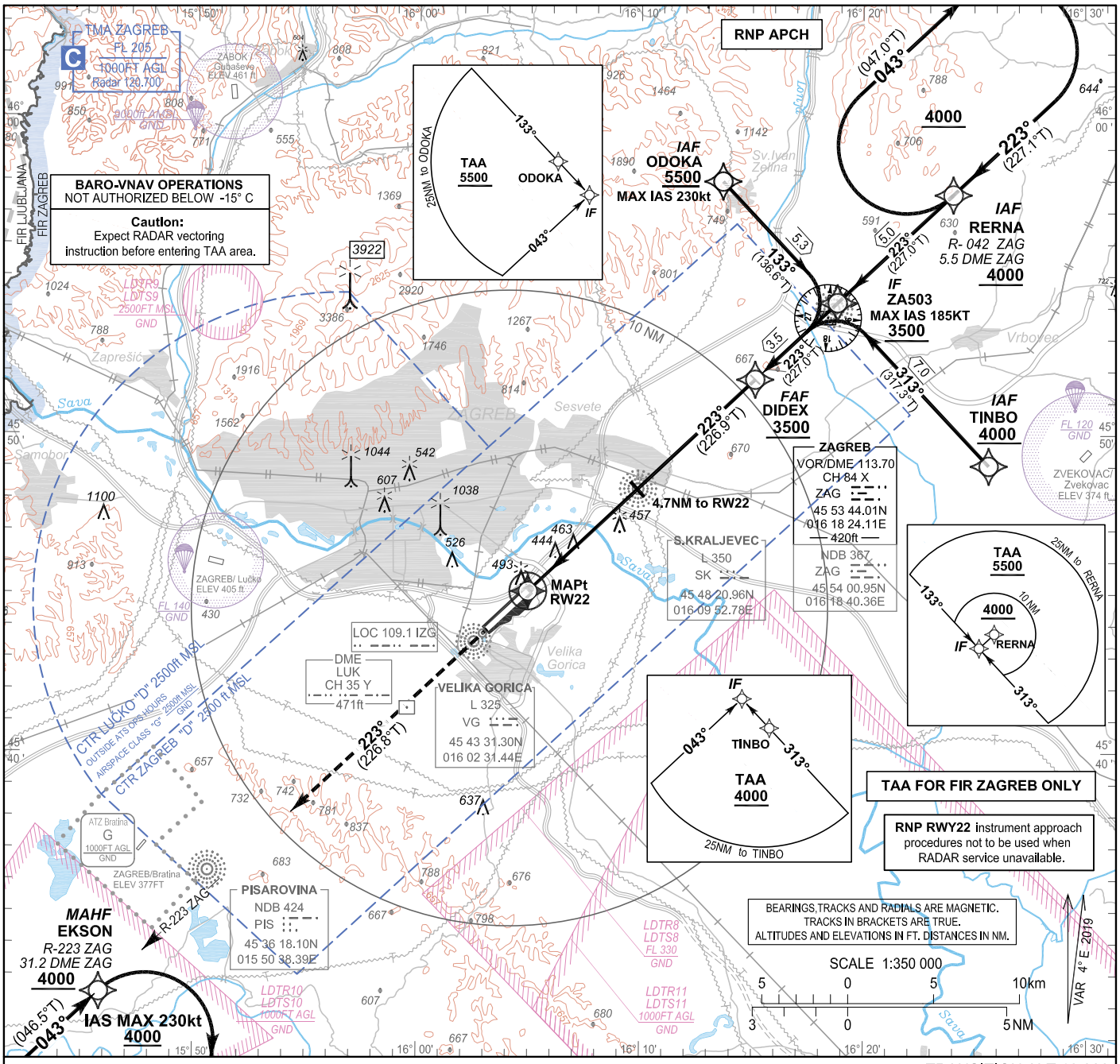
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 353
HEIGHTS RELATED
TO THR 22 ELEV 348

SBAS
CH: 90041
E22A

ZAGREB ATIS	124.575
ZAGREB RADAR	120.700
ZAGREB TOWER	118.300

ZAGREB / Franjo Tuđman
CROATIA
RNP RWY 22



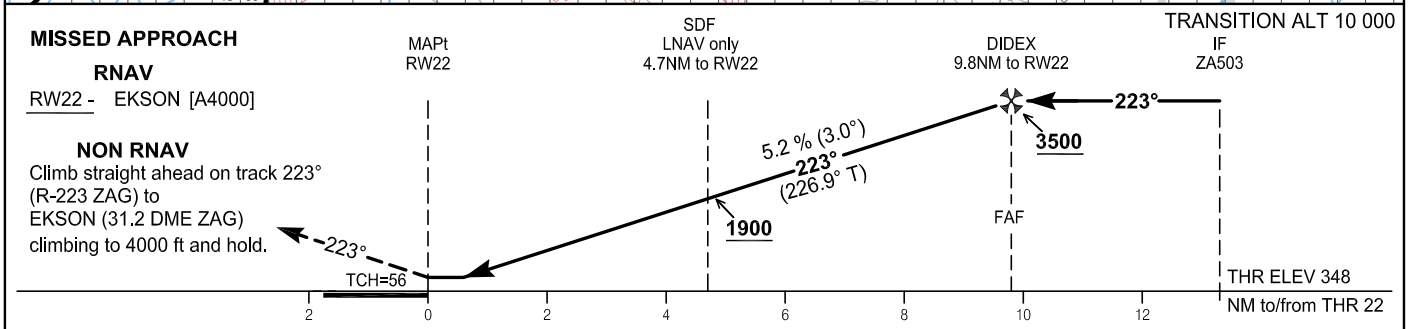
MISSED APPROACH

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.



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 NA

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: RWY Designator; FAS Data Block; RW22 instead of RW23; Chart title; Page number; LDP39 withdrawn; Aerodrome name changed; Aerodrome ZAGRBE/Bratina and ATZ Bratina added; Obstacle 418 FT removed.

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CROATIA
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: RWY Designator; FAS Data Block; RW22 instead of RW23; Chart title; Page number; LDP39 withdrawn; Aerodrome name changed; Aerodrome ZAGRBE/Bratina and ATZ Bratina added; Obstacle 418 removed.

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CHANGE: RWY Designator; FAS Data Block; RW22 instead of RW23; Chart title; Page number; LDP39 withdrawn; Aerodrome name changed; Aerodrome ZAGRBE/Bratina and ATZ Bratina added; Obstacle 418 FT removed.

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	-	-	4.00°E	-	-	+5500	-230	-	-	RNP APCH
020	IF	TF	ZA503	-	133° (136.6°T)	4.00°E	5.3	-	+3500	-185	-	-	
010	IAF	IF	RERNA	-	-	4.00°E	-	-	+4000	-	-	-	RNP APCH
020	IF	TF	ZA503	-	223° (227.0°T)	4.00°E	5.0	-	+3500	-185	-	-	
010	IAF	IF	TINBO	-	-	4.00°E	-	-	+4000	-	-	-	RNP APCH
020	IF	TF	ZA503	-	313° (317.3°T)	4.00°E	7.0	-	+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	ZA503	-	-	4.00°E	-	-	+3500	-185	-	-	RNP APCH
020	FAF	TF	DIDEX	-	223° (227.0°T)	4.00°E	3.5	-	+3500	-	-	-	
030	MAPt	TF	RW22	Y	223° (226.9°T)	4.00°E	9.8	-	-	-	3.0 / 56.0	-	
040	MAHF	TF	EKSON	-	223° (226.8°T)	4.00°E	18.5	-	4000	-	-	-	
050	MAHF	HM	EKSON	-	043° (046.5°T)	4.00°E	1 MIN	R	4000	-230	-	Holding above 4000ft on ATC clearance only	RNAV 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	Magnetic variation	Remarks	NAV SPEC
EKSON	HM	043° (046.5°T)	1MIN / -	R	4000	-	230 KT	4°E	-	RNAV 1
RERNA		223° (227.1°T)	1MIN / -	R	4000	-	-	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
ZA503	455412.2N	0161850.0E
DIDEX	455147.3N	0161508.0E
RW22	454506.86N	0160456.75E
EKSON	453227.7N	0154548.4E

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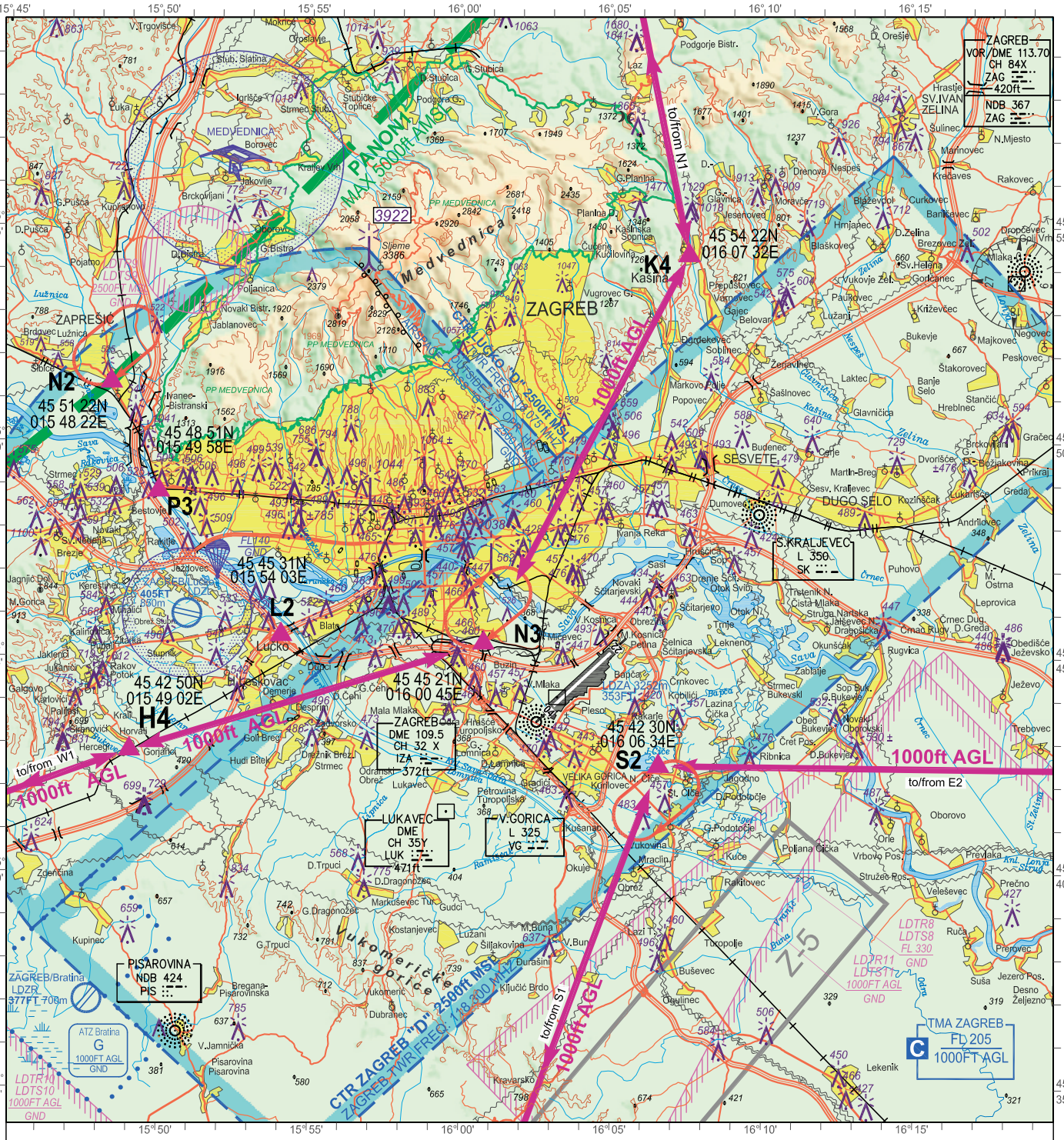
VISUAL
OPERATION
CHART

AD ELEV 353ft

ARP
45°44'34.55"N
016°04'07.60"E

ZAGREB ATIS	124.575
ZAGREB RADAR	120.700
ZAGREB TOWER	118.300

ZAGREB / Franjo Tuđman
CROATIA



Reporting Point	Coordinates		Definition
E2	45 42 23N	016 23 37E	Town Ivanić - Grad
K4	45 54 22N	016 07 32E	Village Kašina
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!

ALTITUDES AND ELEVATIONS IN FT

ELEVATION TINTS

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

VAR 4° E 2019

Change: RWY Designator.

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LDZD AD 2.20 LOKALNI AERODROMSKI PROPISI

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

1. UPOZORENJE:
Udari vjetra, smicanje vjetra i turbulencije mogu se očekivati u završnom prilazu na RWY 13/31 u uvjetima jakih sjevero-istočnih vjetrova.

Udari vjetra, smicanje vjetra i turbulencije mogu se očekivati u završnom prilaženju prema / penjanju od RWY 04 u uvjetima jakih sjevero-istočnih vjetrova.

2. UPOZORENJE:
Sljedeći dijelovi manevarskih površina nisu vidljivi sa ATC TWR, a upotreba opreme za nadzor je ograničena za:

- dio RWY 13/31 oko presjecišta TWY C, D, E i RWY;
- TWY C, D i E;
- pozicije za čekanje za izlazak na RWY, kod TWY B, C, D i E;
- dio TWY H između TWY B i F;
- priključenja TWY A i H

Zbog ograničenog vizualnog nadzora nad manevarskim površinama s radnog mjesta Zadar TWR i složenog izgleda aerodroma, savjetuje se posebna pozornost od strane pilota i vozača vozila.

Dodatni izvještaji o poziciji mogu biti zatraženi od strane ATC-a. Piloti i vozači vozila moraju postupati u skladu s odobrenjima i uputama, te poštovati znakove i oznake.

TAXIING PROCEDURES
Minimum power settings are to be used when taxiing on apron and away from parking stand.
A slow taxi speed on apron is required.

Arrivals:
“Follow me” guidance is mandatory for all arriving aircraft when entering apron from TWY G or TWY K.

Departures:
All parking positions are self-manoeuvring for departure, under marshaller guidance or supervision.

LDZD AD 2.21 POSTUPCI ZA SMANJENJE BUKE

NIL

LDZD AD 2.22 POSTUPCI TIJEKOM LETA

SID RWY 04

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 04				
Designator	**Route**	**After take-off**		**Remarks**
		Climb initially	**Contact**	
RAVNA1A	**RAVNA ONE ALPHA DEPARTURE** Climb straight ahead. At 730 FT turn RIGHT inbound ZDA VOR/DME. At ZDA VOR/DME continue climb on R-316 to RAVNA.			Cross ZDA VOR/DME at or above 6000 FT. Cross RAVNA at or above 8000 FT. If unable, contact ATC.
PALEZ1A	**PALEZ ONE ALPHA DEPARTURE** Climb straight ahead. At 730 FT turn RIGHT inbound ZDA VOR/DME. Cross ZDA VOR/DME, intercept R-010 ZDA climbing to PALEZ.			Cross ZDA VOR/DME at or above 6000 FT. Cross PALEZ at or above 8000 FT. If unable, contact ATC.
SPL4F	**SPLIT FOUR FOXTROT DEPARTURE** Climb straight ahead. At 730 FT turn RIGHT inbound ZRA NDB. Cross R-117 ZDA, turn LEFT, intercept R-127 ZDA, climbing to SPL VOR DME.			
SAL 2L	**SALI TWO LIMA DEPARTURE** Climb straight ahead. At 730 FT turn LEFT, climbing to SAL NDB.			

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SID RWY 13

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 13				
Designator	**Route**	**After take-off**		**Remarks**
		Climb initially	**Contact**	
RAVNA1B	**RAVNA ONE BRAVO DEPARTURE** MNM PDG 4.5% (274 FT/NM) to 5700 FT. Climb on R-127 ZDA. At 3.0 DME ZDA turn RIGHT climbing inbound ZDA VOR/DME. Cross ZDA VOR/DME, intercept R-316 ZDA climbing to RAVNA.			Cross ZDA VOR/DME at or above 6000 FT. Cross RAVNA at or above 8000 FT.
PALEZ1B	**PALEZ ONE BRAVO DEPARTURE** MNM PDG 6.0% (365 FT/NM) to 7800 FT. Climb on R-127 ZDA. At 3.0 DME ZDA turn RIGHT climbing inbound ZDA VOR/DME. Cross ZDA VOR/DME, intercept R-010 ZDA climbing to PALEZ.			Cross ZDA VOR/DME at or above 6000 FT. Cross PALEZ at or above 8000 FT.
SPL4D	**SPLIT FOUR DELTA DEPARTURE** Climb on R-127 ZDA to SPL VOR DME.			
SAL4D	**SALI FOUR DELTA DEPARTURE** Climb on R-127 ZDA to SPL VOR/DME. At 3.0 DME ZDA turn RIGHT, climbing to SAL NDB.			

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.			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.			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.			
SAL3M	**SALI THREE MIKE DEPARTURE** Climb on R-218 ZDA direct to SAL NDB.			

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.			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.			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.			
SAL 3E	**SALI THREE ECHO DEPARTURE** Climb straight ahead. At BO L (6.2 DME ZDA) turn LEFT, climbing to SAL NDB.			

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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 QDM 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.

LDZD AD 2.23 DODATNE INFORMACIJE

Sea gulls on and in the vicinity of RWY. Caution advised.

LDZD AD 2.24 POPRATNE KARTE AERODROMA

Naziv	Stranica
Aerodrome Chart - ICAO	LDZD AD 2.24.1 ADC -1
Aircraft Parking/Docking Chart – ICAO	LDZD AD 2.24.2 APDC -1
Aerodrome Ground Movement Chart – ICAO	*NOT AVBL*
Aerodrome Obstacle Chart - ICAO Type A - RWY04-22	LDZD AD 2.24.4 AOC RWY 04/22 -1
Aerodrome Obstacle Chart - ICAO Type A - RWY13/31	LDZD AD 2.24.4 AOC RWY 13/31 -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 04	LDZD AD 2.24.8 SID RWY 04 -1
Standard Departure Chart - Instrument - ICAO RNAV RWY 04	LDZD AD 2.24.8 SID RNAV RWY 04 -1
Standard Departure Chart - Instrument - ICAO RWY 13	LDZD AD 2.24.8 SID RWY 13 -1
Standard Departure Chart - Instrument - ICAO RNAV RWY 13	LDZD AD 2.24.8 SID RNAV RWY 13 -1
Standard Departure Chart - Instrument - ICAO RWY 22	LDZD AD 2.24.8 SID RWY 22 -1
Standard Departure Chart - Instrument - ICAO RNAV RWY 22	LDZD AD 2.24.8 SID RNAV RWY 22 -1
Standard Departure Chart - Instrument - ICAO RWY 31	LDZD AD 2.24.8 SID RWY 31 -1
Standard Departure Chart - Instrument - ICAO RNAV RWY 31	LDZD AD 2.24.8 SID RNAV RWY 31 -1
Area Chart – ICAO (arrival and transit routes)	*NOT AVBL*
Standard Arrival Chart - Instrument - ICAO RWY 04 & RWY 13/31	LDZD AD 2.24.10 STAR RWY 04 & 13/31 -1
Standard Arrival Chart - Instrument - ICAO RNAV RWY 04	LDZD AD 2.24.10 STAR RNAV RWY 04 -1
Standard Arrival Chart - Instrument - ICAO RNAV RWY 13	LDZD AD 2.24.10 STAR RNAV RWY 13 -1
Standard Arrival Chart - Instrument - ICAO RNAV RWY 31	LDZD AD 2.24.10 STAR RNAV RWY 31 -1
ATC Surveillance Minimum Altitude Chart - ICAO	LDZD AD 2.24.11 ATCSMAC -1
Instrument Approach Chart - ICAO VOR RWY 04	LDZD AD 2.24.12 IAC VOR RWY 04 -1
Instrument Approach Chart - ICAO L y RWY 13	LDZD AD 2.24.12 IAC Ly RWY 13 -1
Instrument Approach Chart - ICAO L z RWY 13	LDZD AD 2.24.12 IAC Lz RWY 13 -1
Instrument Approach Chart - ICAO VOR RWY 13	LDZD AD 2.24.12 IAC VOR RWY 13 -1
Instrument Approach Chart - ICAO ILS or LOC RWY 13	LDZD AD 2.24.12 IAC ILS or LOC RWY 13 -1
Instrument Approach Chart - ICAO L RWY 31	LDZD AD 2.24.12 IAC L RWY 31 -1
Instrument Approach Chart - ICAO VOR RWY 31	LDZD AD 2.24.12 IAC VOR RWY 31 -1
Instrument Approach Chart - ICAO RNP RWY 04	LDZD AD 2.24.12 IAC RNP RWY 04 -1
Instrument Approach Chart - ICAO RNP Y RWY 13	LDZD AD 2.24.12 IAC RNP Y RWY 13 -1
Instrument Approach Chart - ICAO RNP Z RWY 13	LDZD AD 2.24.12 IAC RNP Z RWY 13 -1

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Naziv	Stranica
Instrument Approach Chart - ICAO RNP RWY 31	LDZD AD 2.24.12 IAC RNP RWY 31 -1
Visual Approach Chart - ICAO	*NOT AVBL*
Visual Operation Chart	LDZD AD 2.24.13 VOC -1
Bird concentrations	*NOT AVBL*

OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA

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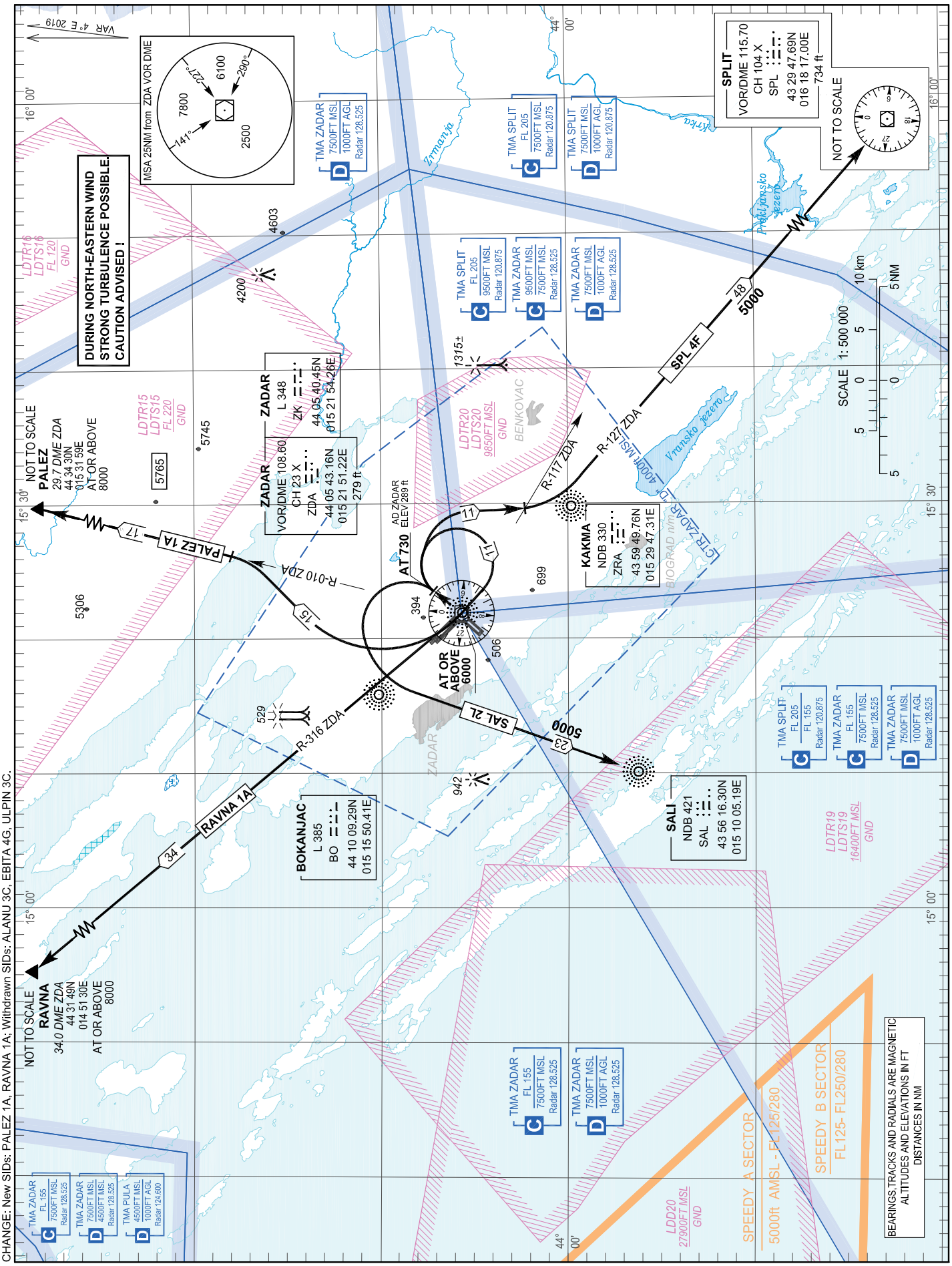
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

ZADAR TOWER 123.700
ZADAR RADAR 128.525

ZADAR / Zemunik
CROATIA
RWY 04



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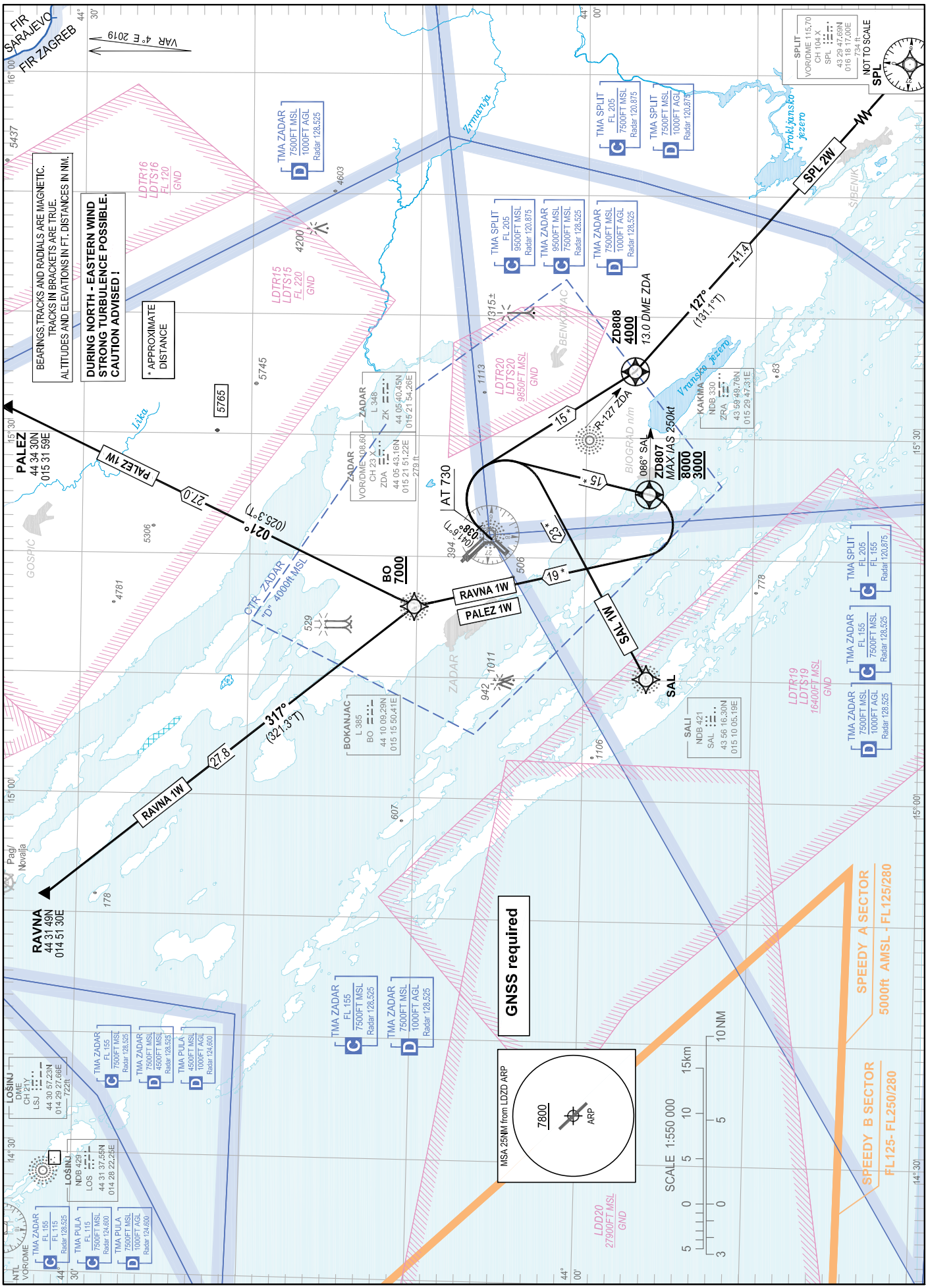
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

ZADAR TOWER 123.700
ZADAR RADAR 128.525

ZADAR / Zemunik
CROATIA
RNAV RWY 04



CHANGE: New chart

ZADAR / Zemunik
CROATIA
RNAV RWY 04

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.

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 1W, RAVNA 1W 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.

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 1W	CA	-	-	038° (041.6°T)	4.00°E	-	-	@730	-	-	RNAV 1
020		DF	ZD807	Y	-	4.00°E	-	R	-8000 +3000	-250		
030		DF	BO	-	-	4.00°E	-	R	+7000	-		
040		TF	RAVNA	-	317° (321.3°T)	4.00°E	27.8	-	-	-		
010	PALEZ 1W	CA	-	-	038° (041.6°T)	4.00°E	-	-	@730	-	-	RNAV 1
020		DF	ZD807	Y	-	4.00°E	-	R	-8000 +3000	-250		
030		DF	BO	-	-	4.00°E	-	R	+7000	-		
040		TF	PALEZ	-	021° (025.3°T)	4.00°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 1W only:
Climb straight ahead. At 730 FT AMSL turn RIGHT direct to SAL NDB.

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 1W	CA	-	-	038° (041.6°T)	4.00°E	-	-	@730	-	-	RNAV 1
020		DF	SAL	-	-	4.00°E	-	R	-	-		

CHANGE: New chart

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ZADAR / Zemunik
CROATIA
RNAV RWY 04

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 2W 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 2W or according to ATC instruction.

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 2W	CA	-	-	038° (041.6°T)	4.00°E	-	-	@730	-	-	RNAV 1
020		DF	ZD808	Y	-	4.00°E	-	R	+4000	-		
030		TF	SPL	-	127° (131.1°T)	4.00°E	41.4	-	-	-		

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
BO	441009.29N	0151550.41E
SAL	435616.30N	0151005.19E
SPL	432947.69N	0161817.00E
RAVNA	443149N	0145130E
PALEZ	443430N	0153159E
ZD807	435613.6N	0152520.6E
ZD808	435708.8N	0153529.4E

CHANGE: New chart

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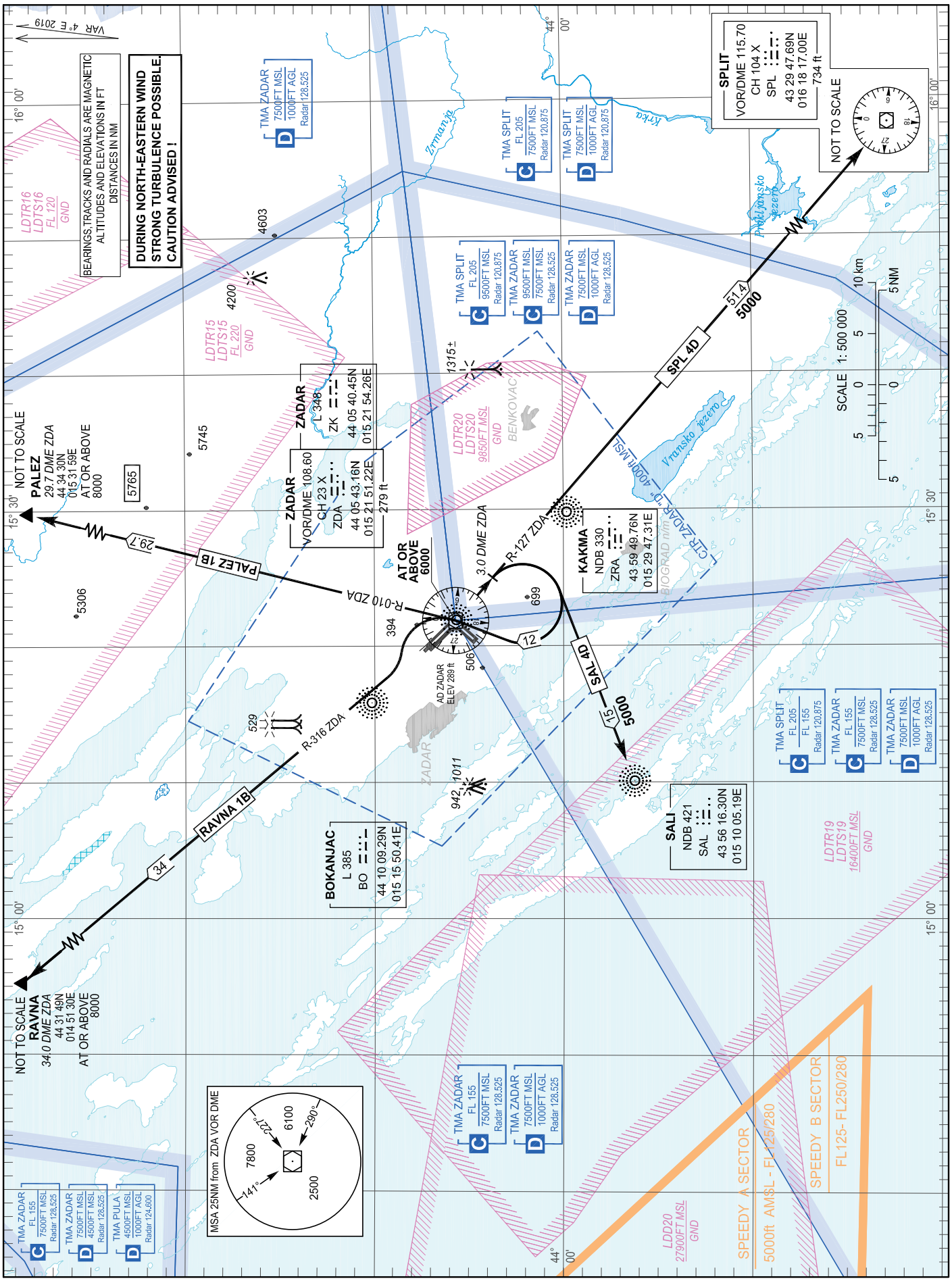
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

ZADAR TOWER 123.700
ZADAR RADAR 128.525

ZADAR / Zemunik
CROATIA
RWY 13



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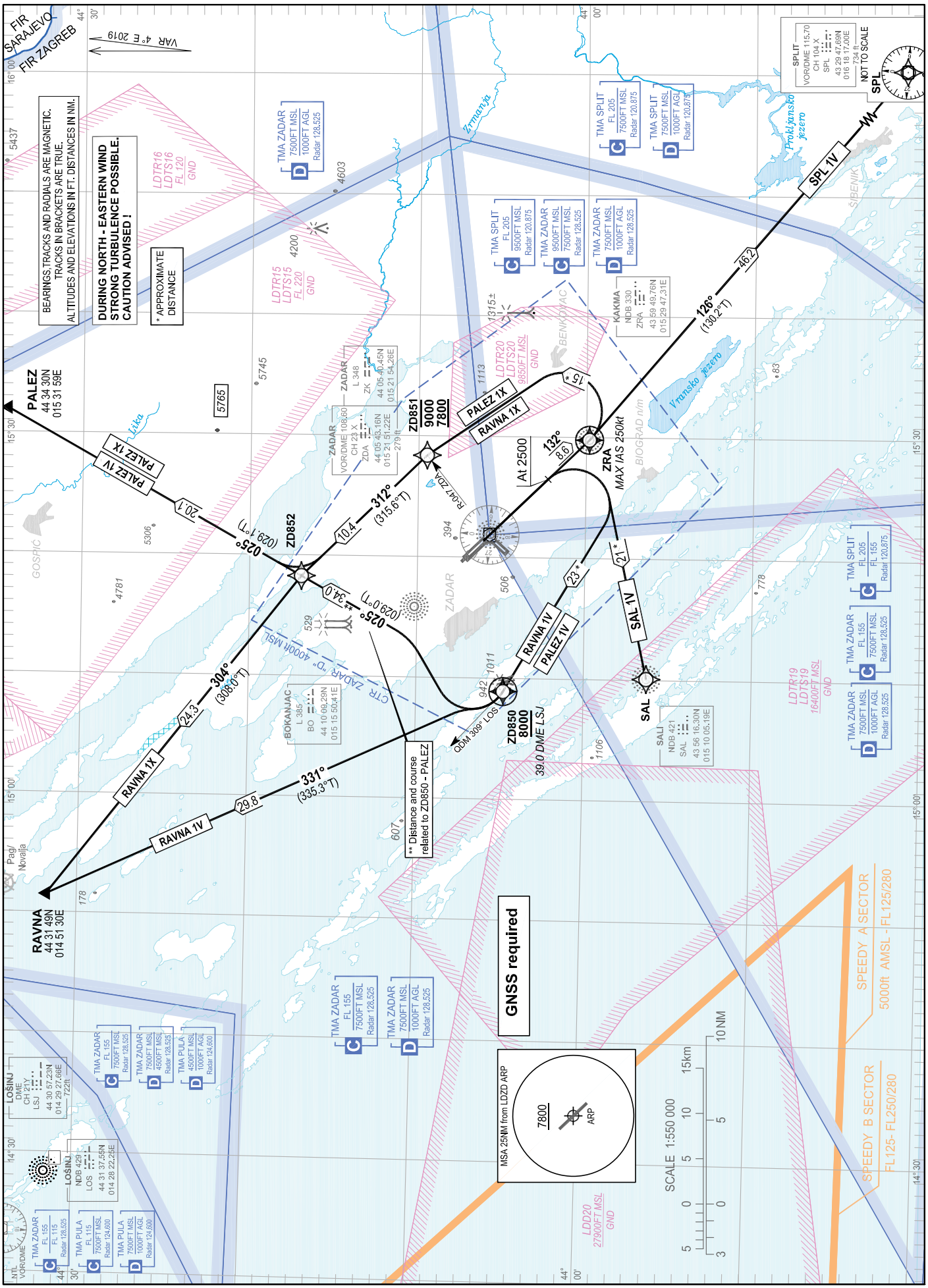
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

ZADAR TOWER 123.700
ZADAR RADAR 128.525

ZADAR / Zemunik
CROATIA
RNAV RWY 13



ZADAR / Zemunik
CROATIA
RNAV RWY 13

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.

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)	4.00°E	-	-	@2500	-	-	RNAV 1
020		DF	ZD850	Y	-	4.00°E	-	R	+8000	-		
030		TF	RAVNA	-	331° (335.3°T)	4.00°E	29.8	-	-	-		
010	PALEZ 1V	CA	-	-	132° (135.7°T)	4.00°E	-	-	@2500	-	-	RNAV 1
020		DF	ZD850	Y	-	4.00°E	-	R	+8000	-		
030		TF	PALEZ	-	025° (029.0°T)	4.00°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)	4.00°E	8.6	-	-	-	-	RNAV 1
020		TF	SPL	-	126° (130.2°T)	4.00°E	46.2	-	-	-		

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)	4.00°E	-	-	@2500	-	-	RNAV 1
020		DF	SAL	-	-	4.00°E	-	R	-	-		

CHANGE: New chart

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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)	4.00°E	8.6	-	-	-250	MNM PDG 5.0% (304 FT/NM) to 7800 FT AMSL	RNAV 1
020		DF	ZD851	-	-	4.00°E	-	L	-9000 +7800	-		
030		TF	ZD852	-	312° (315.6°T)	4.00°E	10.4	-	-	-		
040		TF	RAVNA	-	304° (308.0°T)	4.00°E	24.3	-	-	-		
010	PALEZ 1X	CF	ZRA	Y	132° (135.8°T)	4.00°E	8.6	-	-	-250	MNM PDG 5.0% (304 FT/NM) to 7800 FT AMSL	RNAV 1
020		DF	ZD851	-	-	4.00°E	-	L	-9000 +7800	-		
030		TF	ZD852	-	312° (315.6°T)	4.00°E	10.4	-	-	-		
040		TF	PALEZ	-	025° (029.1°T)	4.00°E	20.1	-	-	-		

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
SAL	435616.30N	0151005.19E
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: New chart

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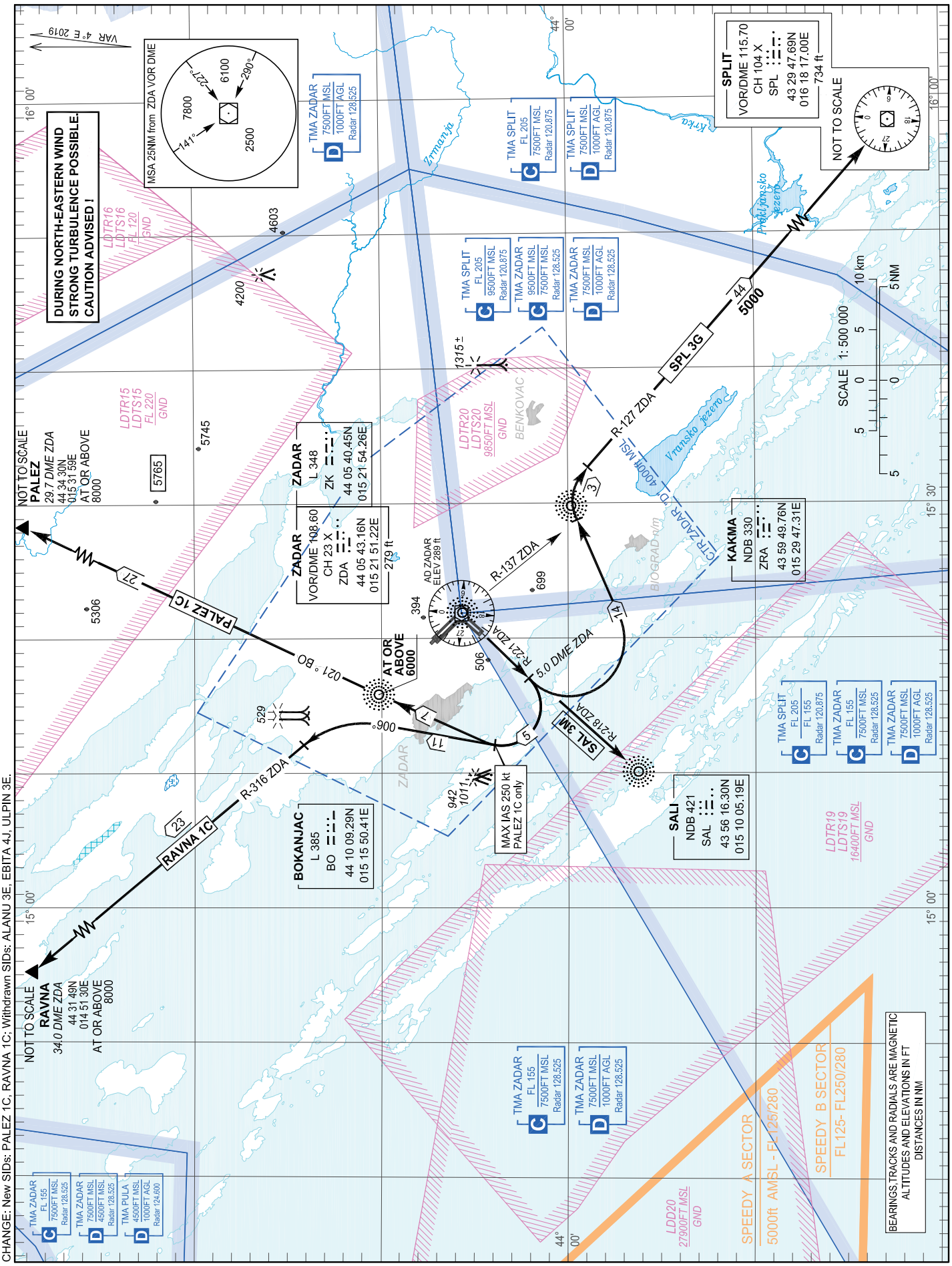
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

ZADAR TOWER 123.700
ZADAR RADAR 128.525

ZADAR / Zemunik
CROATIA
RWY 22



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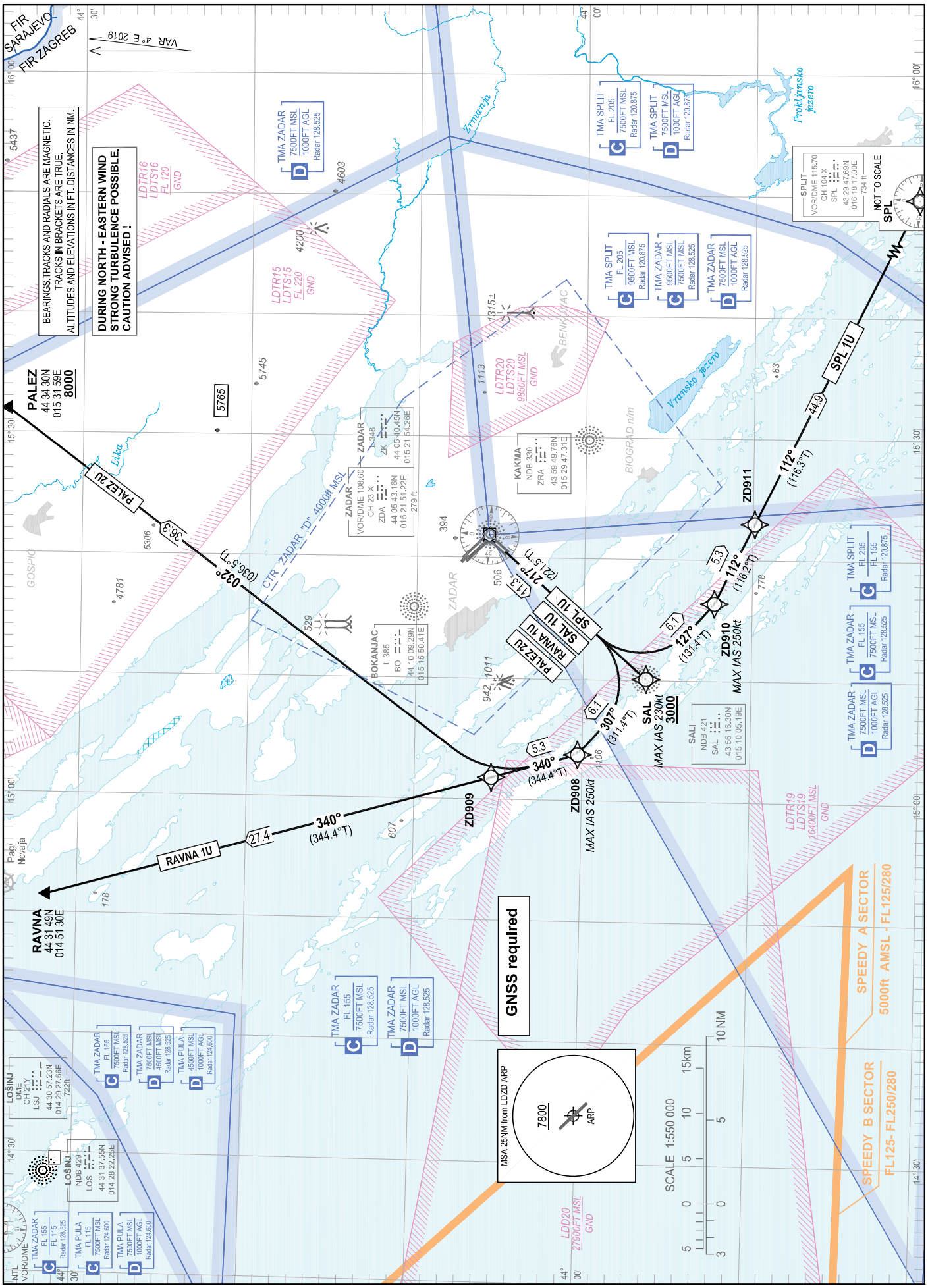
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

ZADAR TOWER 123.700
ZADAR RADAR 128.525

ZADAR / Zemunik
CROATIA
RNAV RWY 22



CHANGE: New chart

ZADAR / Zemunik
CROATIA
RNAV RWY 22

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.

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)	4.00°E	11.3	-	+3000	-230	-	RNAV 1
020		TF	ZD908	-	307° (311.4°T)	4.00°E	6.1	-	-	-250		
030		TF	ZD909	-	340° (344.4°T)	4.00°E	5.3	-	-	-		
040		TF	RAVNA	-	340° (344.4°T)	4.00°E	27.4	-	-	-		
010	PALEZ 2U	CF	SAL	-	217° (221.5°T)	4.00°E	11.3	-	+3000	-230	-	RNAV 1
020		TF	ZD908	-	307° (311.4°T)	4.00°E	6.1	-	-	-250		
030		TF	ZD909	-	340° (344.4°T)	4.00°E	5.3	-	-	-		
040		TF	PALEZ	-	032° (036.5°T)	4.00°E	36.3	-	+8000	-		
010	SAL 1U	CF	SAL	-	217° (221.5°T)	4.00°E	11.3	-	+3000	-	-	RNAV 1
010	SPL 1U	CF	SAL	-	217° (221.5°T)	4.00°E	11.3	-	+3000	-230	-	RNAV 1
020		TF	ZD910	-	127° (131.4°T)	4.00°E	6.1	-	-	-250		
030		TF	ZD911	-	112° (116.2°T)	4.00°E	5.3	-	-	-		
040		TF	SPL	-	112° (116.3°T)	4.00°E	44.9	-	-	-		

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
SAL	435616.30N	0151005.19E
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: New chart

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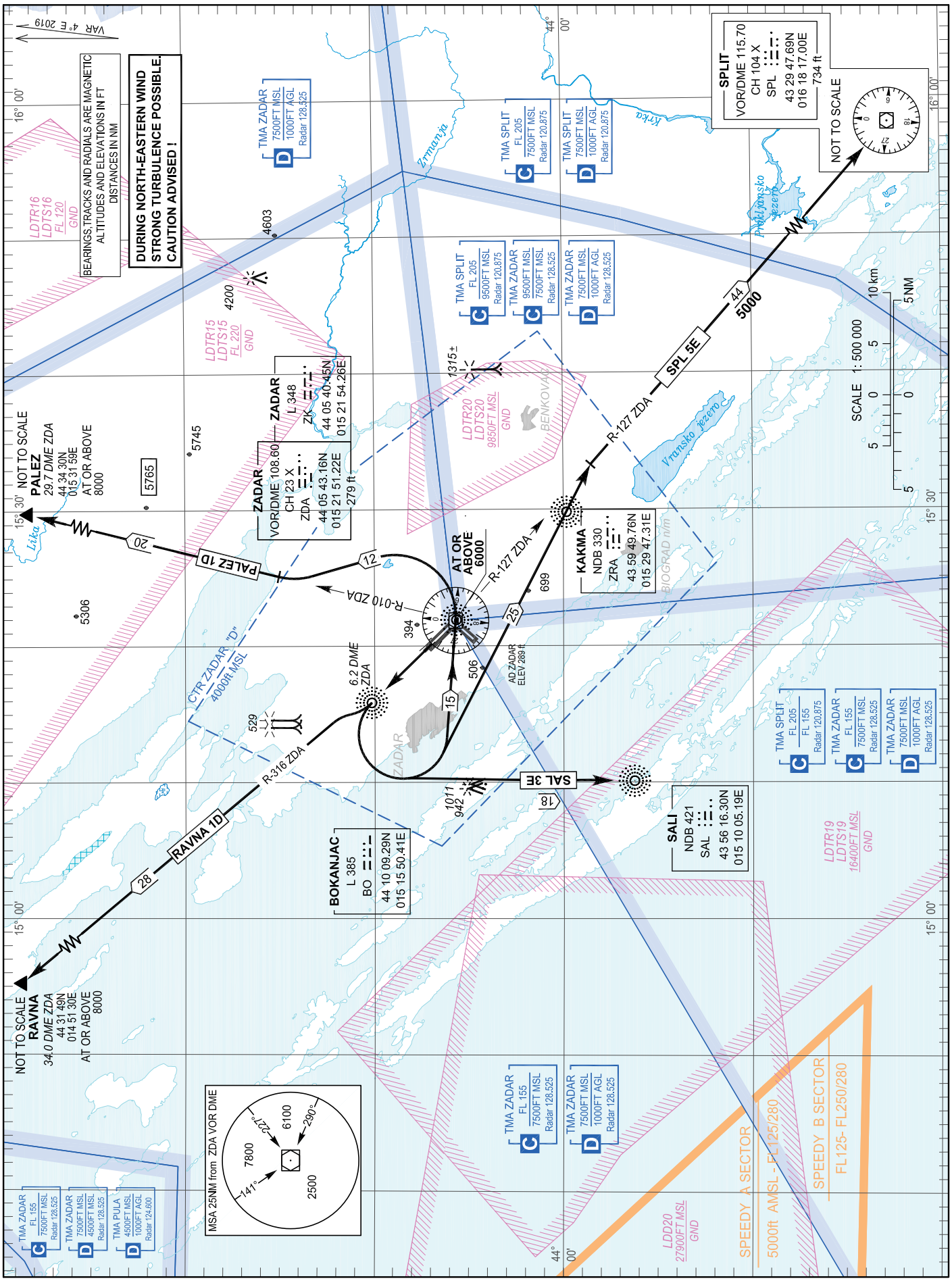
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

ZADAR TOWER 123.700
ZADAR RADAR 128.525

ZADAR / Zemunik
CROATIA
RWY 31



CHANGE: New SIDs: PALEZ 1D, RAVNA 1D; Withdrawn SIDs: ALANU 3F, EBITA 4K, ULPIN 3F.

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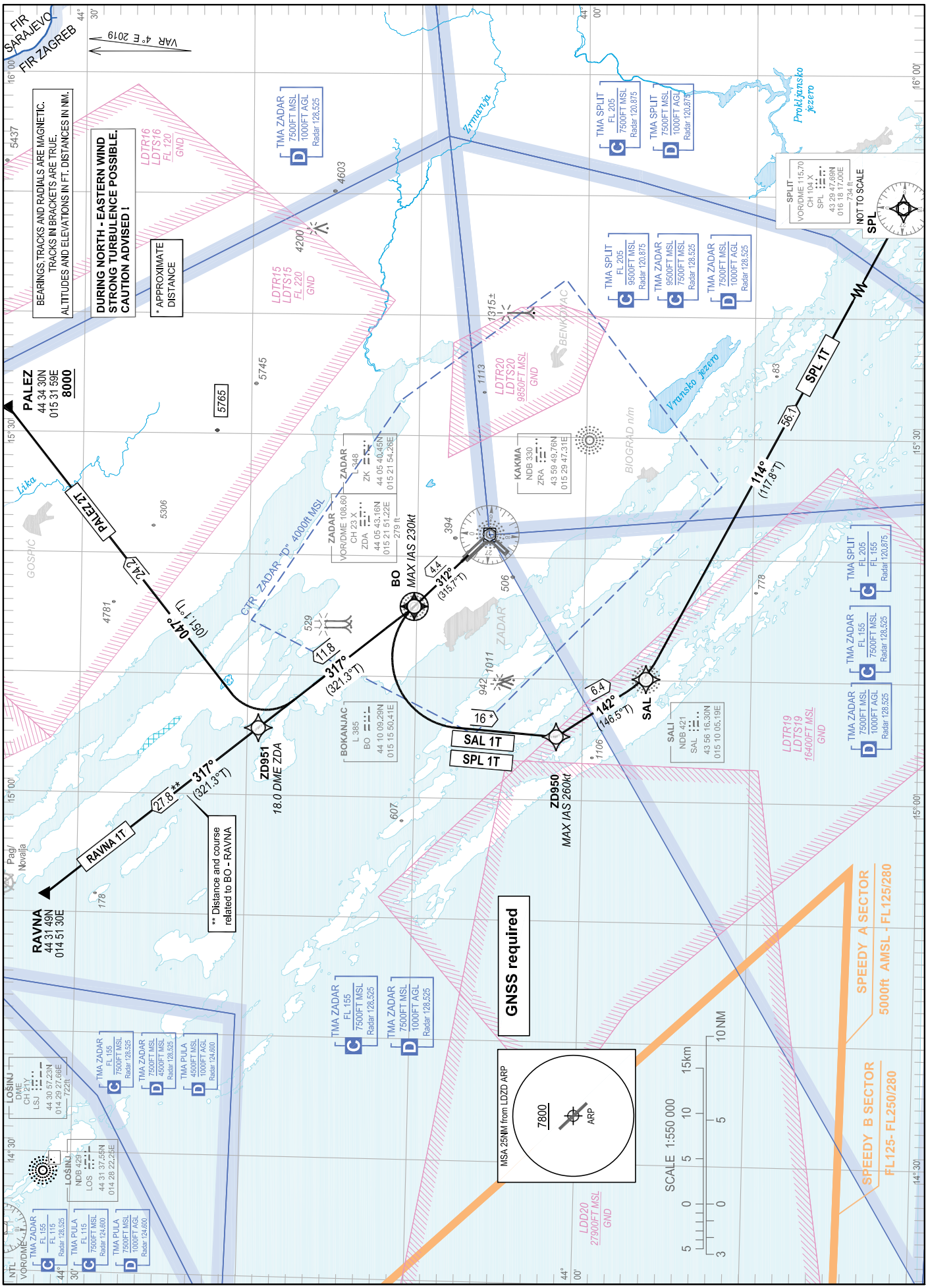
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

ZADAR TOWER 123.700
ZADAR RADAR 128.525

ZADAR / Zemunik
CROATIA
RNAV RWY 31



CHANGE: New chart

ZADAR / Zemunik
CROATIA
RNAV RWY 31

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.

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)	4.00°E	4.4	-	-	-	-	RNAV 1
020		TF	RAVNA	-	317° (321.3°T)	4.00°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)	4.00°E	4.4	-	-	-230	MNM PDG 6.1% (371 FT/NM) to 7800 FT AMSL	RNAV 1
020		TF	ZD951	-	317° (321.3°T)	4.00°E	11.8	-	-	-		
030		TF	PALEZ	-	047° (051.1°T)	4.00°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 260 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)	4.00°E	4.4	-	-	-230	-	RNAV 1
020		DF	ZD950	-	-	4.00°E	-	L	-	-260		
030		TF	SAL	-	142° (146.5°T)	4.00°E	6.4	-	-	-		
040		TF	SPL	-	114° (117.8°T)	4.00°E	56.1	-	-	-		

CHANGE: New chart

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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 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)	4.00°E	4.4	-	-	-230	-	RNAV 1
020		DF	ZD950	-	-	4.00°E	-	L	-	-260		
030		TF	SAL	-	142° (146.5°T)	4.00°E	6.4	-	-	-		

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
BO	441009.29N	0151550.41E
SAL	435616.30N	0151005.19E
SPL	432947.69N	0161817.00E
RAVNA	443149N	0145130E
PALEZ	443430N	0153159E
ZD950	440134.5N	0150513.7E
ZD951	441920.2N	0150534.2E

CHANGE: New chart

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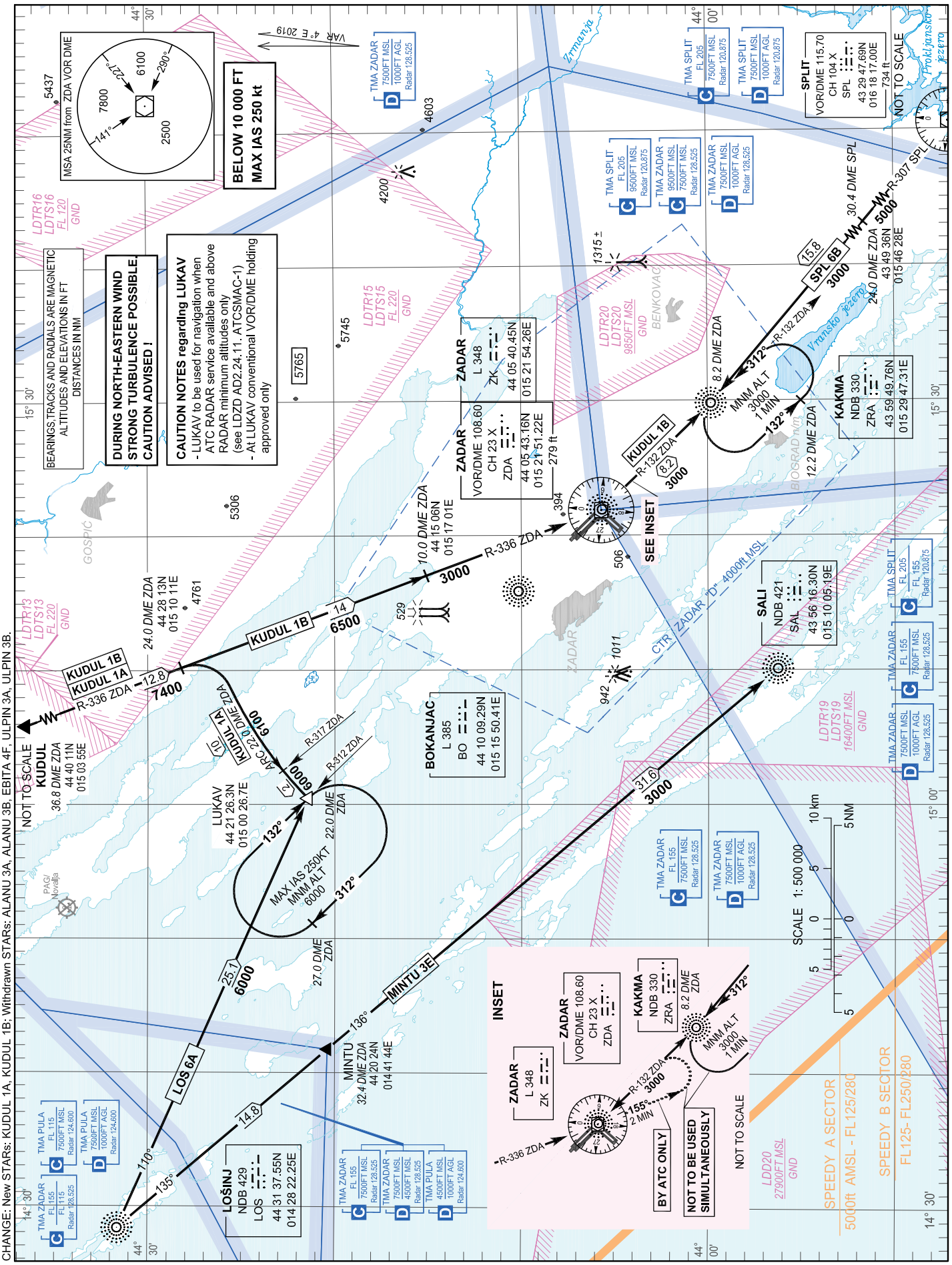
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

ZADAR RADAR 128.525
ZADAR TOWER 123.700

ZADAR / Zemunik
CROATIA
RWY 04 & RWY 13/31



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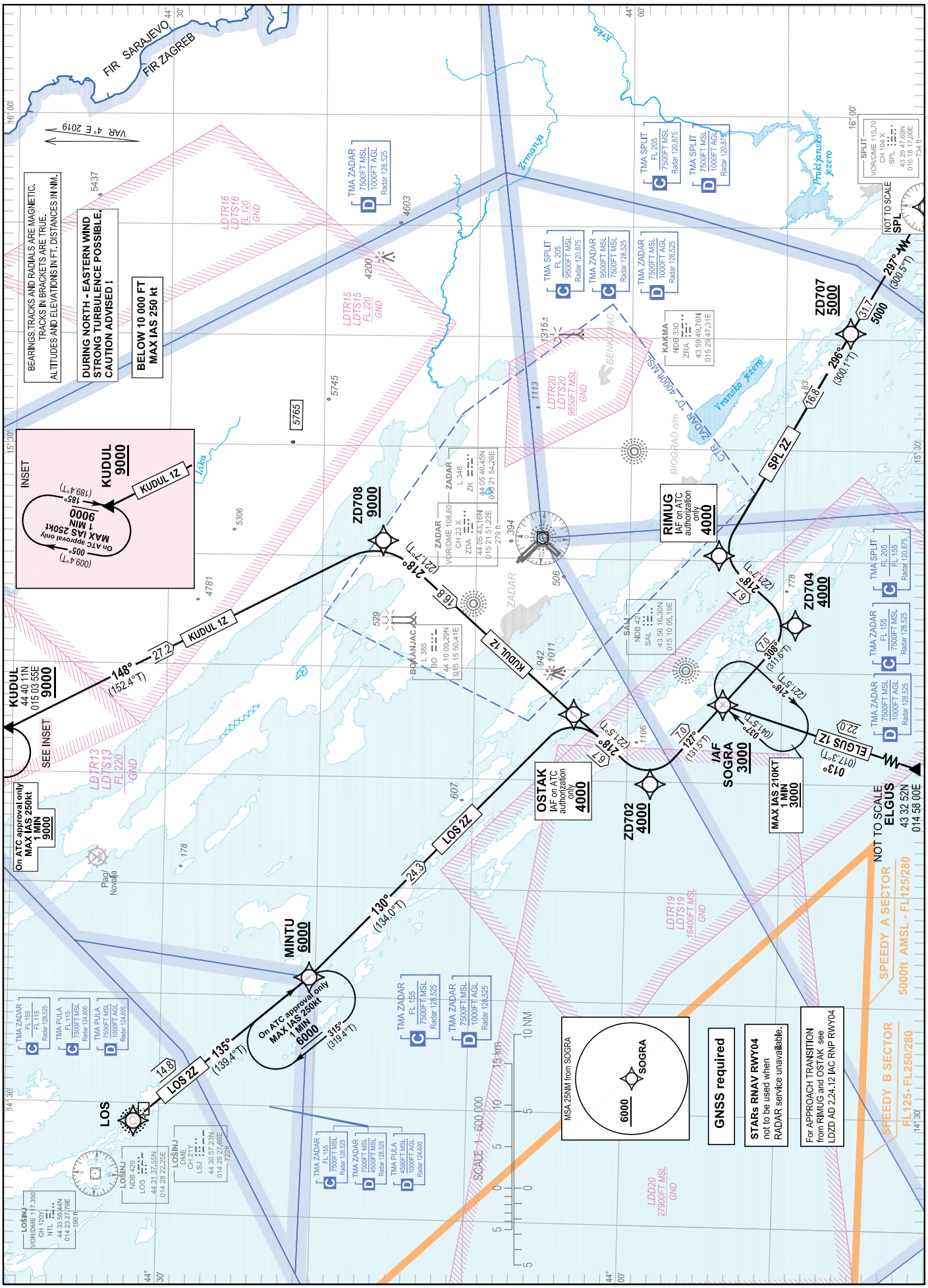
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

ZADAR RADAR 128.525
ZADAR TOWER 123.700

ZADAR / Zemunik
CROATIA
RNAV RWY 04



CHANGE: New chart

ZADAR / Zemunik
CROATIA
RNAV RWY 04

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	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	MINTU	-	135° (139.4°T)	4.00°E	14.8	-	+6000	-	-	
030		TF	OSTAK	-	130° (134.0°T)	4.00°E	24.3	-	+4000	-	IAF on ATC authorization only	
040		TF	ZD702	-	218° (221.5°T)	4.00°E	6.7	-	+4000	-	-	
050		TF	SOGRA	-	127° (131.5°T)	4.00°E	7.0	-	+3000	-	IAF	
010	KUDUL 1Z	IF	KUDUL	-	-	4.00°E	-	-	+9000	-	-	RNAV 1
020		TF	ZD708	-	148° (152.4°T)	4.00°E	27.2	-	+9000	-	-	
030		TF	OSTAK	-	218° (221.7°T)	4.00°E	16.8	-	+4000	-	IAF on ATC authorization only	
040		TF	ZD702	-	218° (221.5°T)	4.00°E	6.7	-	+4000	-	-	
050		TF	SOGRA	-	127° (131.5°T)	4.00°E	7.0	-	+3000	-	IAF	
010	SPL 2Z	IF	SPL	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	ZD707	-	297° (300.5°T)	4.00°E	31.7	-	+5000	-	-	
030		TF	RIMUG	-	296° (300.1°T)	4.00°E	16.8	-	+4000	-	IAF on ATC authorization only	
040		TF	ZD704	-	218° (221.7°T)	4.00°E	6.7	-	+4000	-	-	
050		TF	SOGRA	-	308° (311.6°T)	4.00°E	7.0	-	+3000	-	IAF	
010	ELGUS 1Z	IF	ELGUS	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	SOGRA	-	013° (017.3°T)	4.00°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: New chart

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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
MINTU	HM	135° (139.4°T)	1 MIN / -	R	6000	-	250	4.00°E	On ATC approval only	RNAV 1
KUDUL	HM	185° (189.4°T)	1 MIN / -	R	9000	-	250	4.00°E	On ATC approval only	RNAV 1
SOGRA	HM	037° (041.5°T)	1 MIN / -	R	3000	-	210	4.00°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

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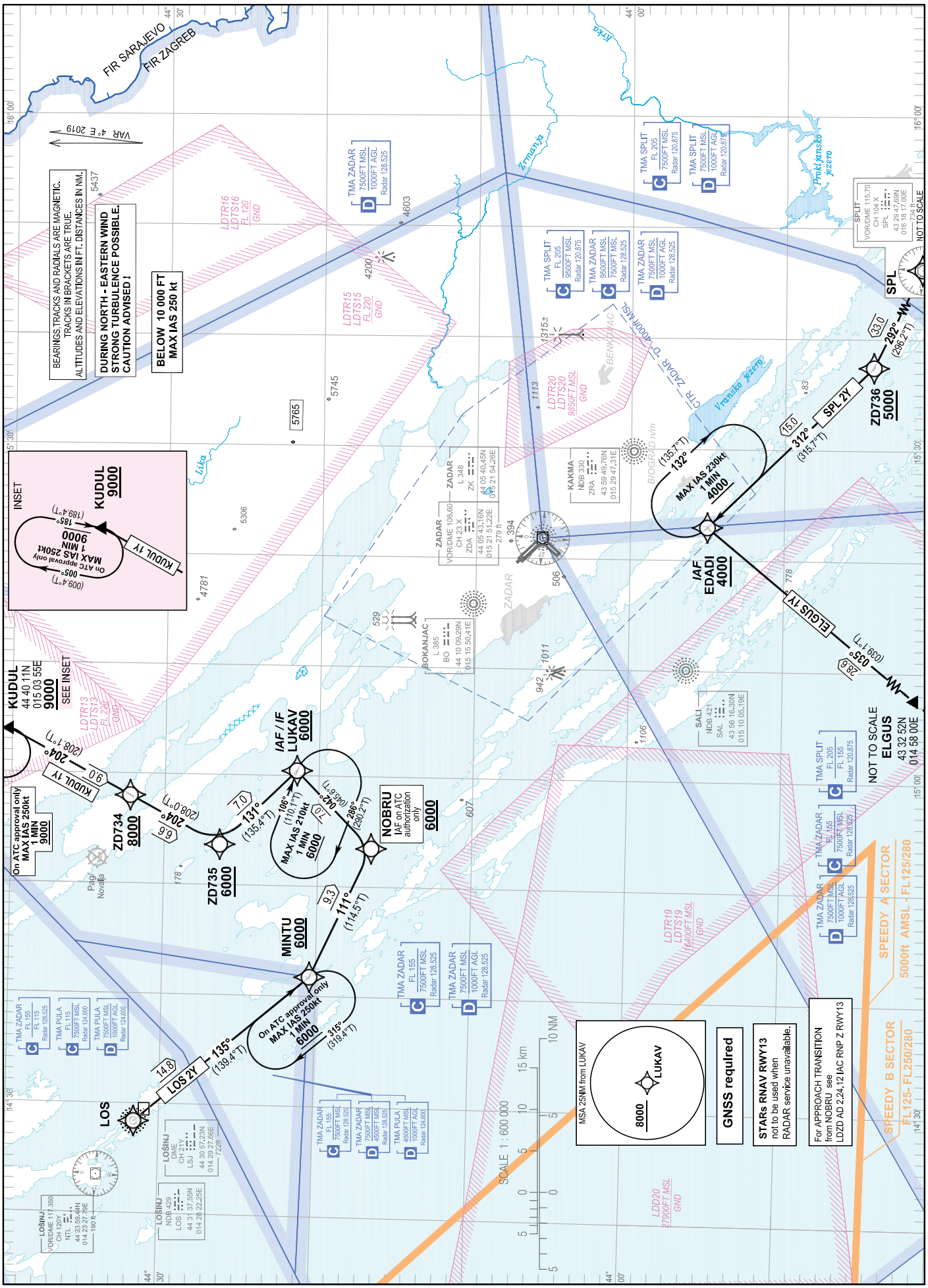
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

ZADAR RADAR 128.525
ZADAR TOWER 123.700

ZADAR / Zemunik
CROATIA
RNAV RWY 13



CHANGE: New chart

ZADAR / Zemunik
CROATIA
RNAV RWY 13

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	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	MINTU	-	135° (139.4°T)	4.00°E	14.8	-	+6000	-	-	
030		TF	NOBRU	-	111° (114.5°T)	4.00°E	9.3	-	+6000	-	IAF on ATC authorization only for RNP Z RWY 13	
040		TF	LUKAV	-	042° (045.6°T)	4.00°E	7.0	-	+6000	-	IAF/IF	
010	KUDUL 1Y	IF	KUDUL	-	-	4.00°E	-	-	+9000	-	-	RNAV 1
020		TF	ZD734	-	204° (208.1°T)	4.00°E	9.0	-	+8000	-	-	
030		TF	ZD735	-	204° (208.0°T)	4.00°E	6.6	-	+6000	-	-	
040		TF	LUKAV	-	131° (135.4°T)	4.00°E	7.0	-	+6000	-	IAF	
010	SPL 2Y	IF	SPL	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	ZD736	-	292° (296.2°T)	4.00°E	33.0	-	+5000	-	-	
030		TF	EDADI	-	312° (315.7°T)	4.00°E	15.0	-	+4000	-	IAF	
010	ELGUS 1Y	IF	ELGUS	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	EDADI	-	035° (039.1°T)	4.00°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: New chart

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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	4.00°E	On ATC approval only	RNAV 1
KUDUL	HM	185° (189.4°T)	1 MIN / -	R	9000	-	250	4.00°E	On ATC approval only	RNAV 1
EDADI	HM	312° (315.7°T)	1 MIN / -	R	4000	-	230	4.00°E	-	RNAV 1
LUKAV	HM	106° (110.1°T)	1 MIN / -	R	6000	-	210	4.00°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: New chart

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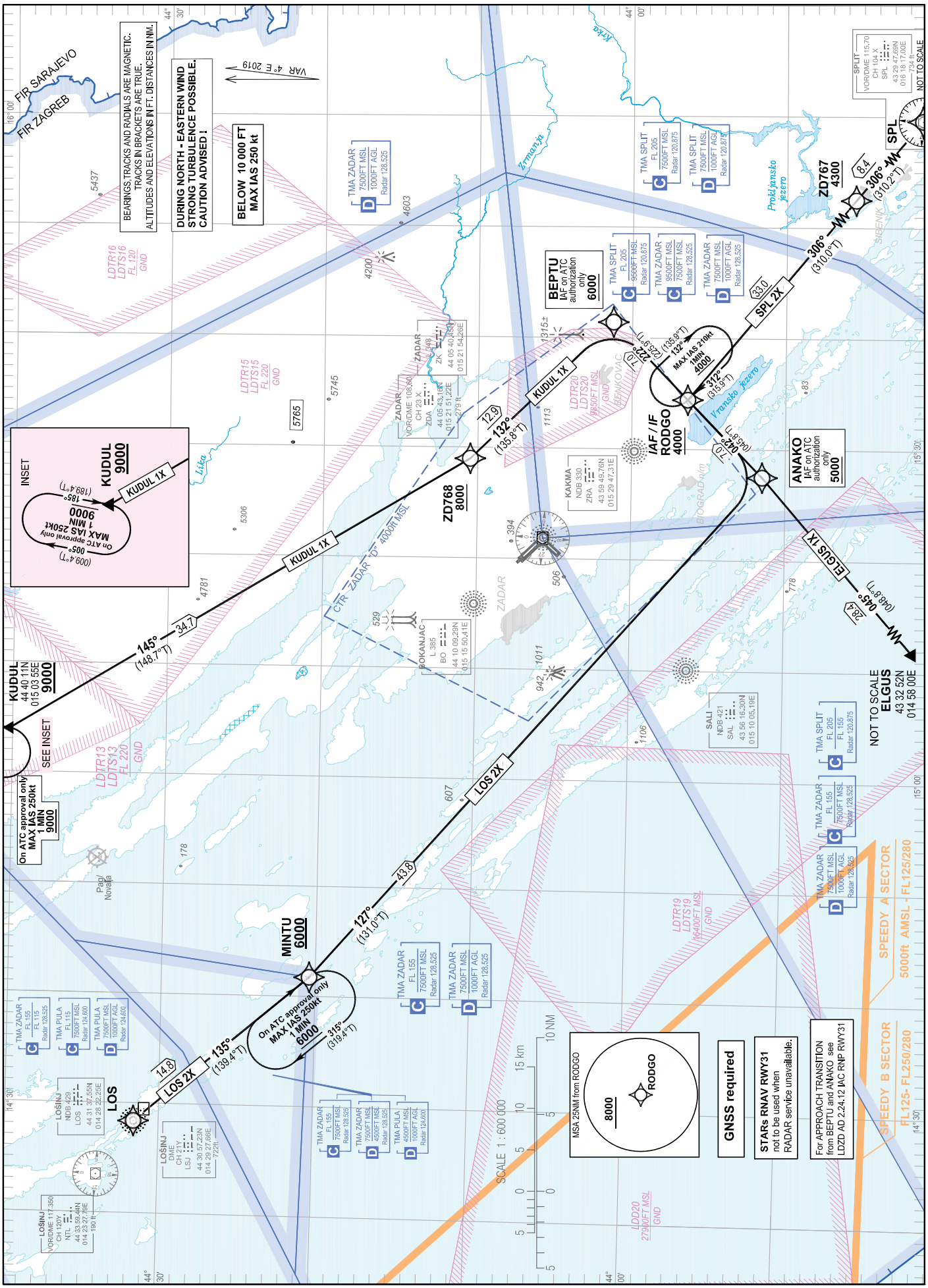
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

ZADAR RADAR 128.525
ZADAR TOWER 123.700

ZADAR / Zemunik
CROATIA
RNAV RWY 31



CHANGE: New chart

ZADAR / Zemunik
CROATIA
RNAV RWY 31

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	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	MINTU	-	135° (139.4°T)	4.00°E	14.8	-	+6000	-	-	
030		TF	ANAKO	-	127° (131.0°T)	4.00°E	43.8	-	+5000	-	IAF on ATC authorization only	
040		TF	RODGO	-	042° (045.8°T)	4.00°E	7.0	-	+4000	-	IAF/IF	
010	KUDUL 1X	IF	KUDUL	-	-	4.00°E	-	-	+9000	-	-	RNAV 1
020		TF	ZD768	-	145° (148.7°T)	4.00°E	34.7	-	+8000	-	-	
030		TF	BEPTU	-	132° (135.8°T)	4.00°E	12.9	-	+6000	-	IAF on ATC authorization only	
040		TF	RODGO	-	222° (225.9°T)	4.00°E	7.0	-	+4000	-	IAF/IF	
010	SPL 2X	IF	SPL	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	ZD767	-	306° (310.2°T)	4.00°E	8.4	-	+4300	-	-	
030		TF	RODGO	-	306° (310.0°T)	4.00°E	33.0	-	+4000	-	IAF	
010	ELGUS 1X	IF	ELGUS	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	ANAKO	-	045° (048.8°T)	4.00°E	28.4	-	+5000	-	IAF on ATC authorization only	
030		TF	RODGO	-	042° (045.8°T)	4.00°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: New chart

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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
MINTU	HM	135° (139.4°T)	1 MIN / -	R	6000	-	250	4.00°E	On ATC approval only	RNAV 1
KUDUL	HM	185° (189.4°T)	1 MIN / -	R	9000	-	250	4.00°E	On ATC approval only	RNAV 1
RODGO	HM	312° (315.9°T)	1 MIN / -	R	4000	-	210	4.00°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: New chart

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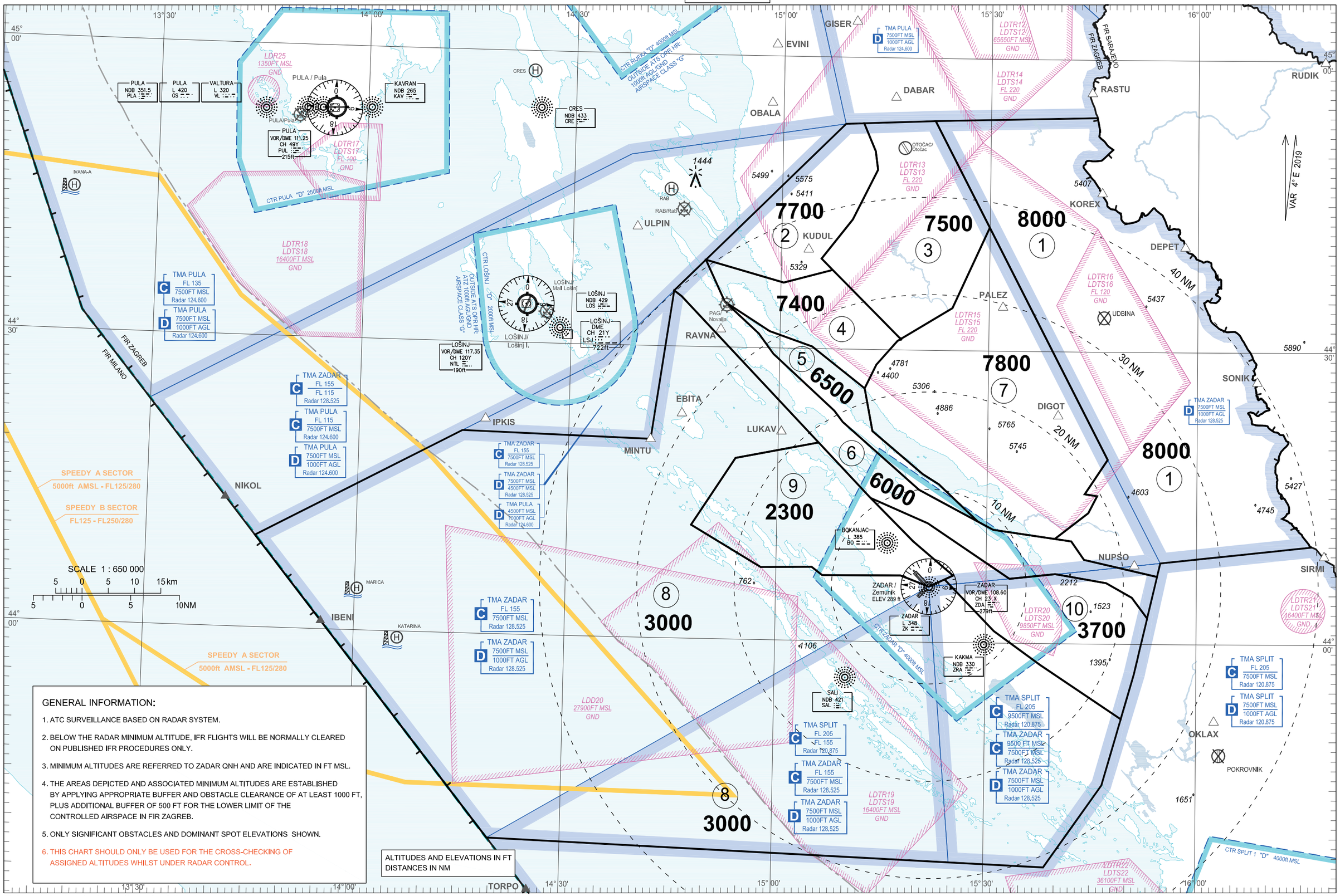
ATC SURVEILLANCE MINIMUM ALTITUDE CHART - ICAO

TRANSITION ALTITUDE 10 000

AD ELEV 289

ZADAR RADAR 128.525
ZADAR TOWER 123.700

ZADAR/ Zemunik
CROATIA



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.

CHANGE: Significant points KUDUL and RAVNA added

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SECTOR 1	WGS-84 latitude	WGS-84 longitude
	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

SECTOR 2	WGS-84 latitude	WGS-84 longitude
	445308N	0150900E
	445314N	0151136E
	445023N	0151320E
	444829N	0151343E
	444320N	0151011E
	443915N	0150547E
	443807N	0150724E
	443644N	0150024E
	443855N	0144908E
	445308N	0150900E

SECTOR 3	WGS-84 latitude	WGS-84 longitude
	445314N	0151136E
	445334N	0152156E
	444241N	0152957E
	443422N	0152442E
	443107N	0151720E
	443807N	0150724E
	443915N	0150547E
	444320N	0151011E
	444829N	0151343E
	445023N	0151320E
	445314N	0151136E

SECTOR 4	WGS-84 latitude	WGS-84 longitude
	443855N	0144908E
	443644N	0150024E
	443807N	0150724E
	443107N	0151720E
	442827N	0151354E
	442600N	0151216E
	443013N	0150438E
	443142N	0145830E
	443438N	0145159E
	443855N	0144908E

SECTOR 5	WGS-84 latitude	WGS-84 longitude
	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

SECTOR 6	WGS-84 latitude	WGS-84 longitude
	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

SECTOR 7	WGS-84 latitude	WGS-84 longitude
	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

SECTOR 8	WGS-84 latitude	WGS-84 longitude
	443542N	0144440E
	443508N	0144545E
	442021N	0150548E
	441837N	0145357E
	441140N	0144747E
	440728N	0145750E
	440735N	0150505E
	440644N	0150638E
	440650N	0151747E
	440543N	0152151E
	440629N	0152405E
	440114N	0153113E
	435747N	0153754E
	435218N	0154922E
	434902N	0154806E
	434530N	0154643E
	433700N	0153833E
	433902N	0141944E
	440926N	0134535E
	442050N	0141447E
	442024N	0144144E
	443542N	0144440E

SECTOR 9	WGS-84 latitude	WGS-84 longitude
	442021N	0150548E
	441445N	0151322E
	441019N	0151934E
	440653N	0152518E
	440629N	0152405E
	440543N	0152151E
	440650N	0151747E
	440644N	0150638E
	440735N	0150505E
	440728N	0145750E
	441140N	0144747E
	441837N	0145357E
	442021N	0150548E

SECTOR 10	WGS-84 latitude	WGS-84 longitude
	441445N	0151322E
	441214N	0152135E
	440638N	0153321E
	440709N	0153951E
	440617N	0154708E
	440448N	0155049E
	440241N	0155301E
	435846N	0155146E
	435700N	0155113E
	435218N	0154922E
	435747N	0153754E
	440114N	0153113E
	440629N	0152405E
	440653N	0152518E
	441019N	0151934E
	441445N	0151322E

CHANGE: Significant points KUDUL and RAVNA added

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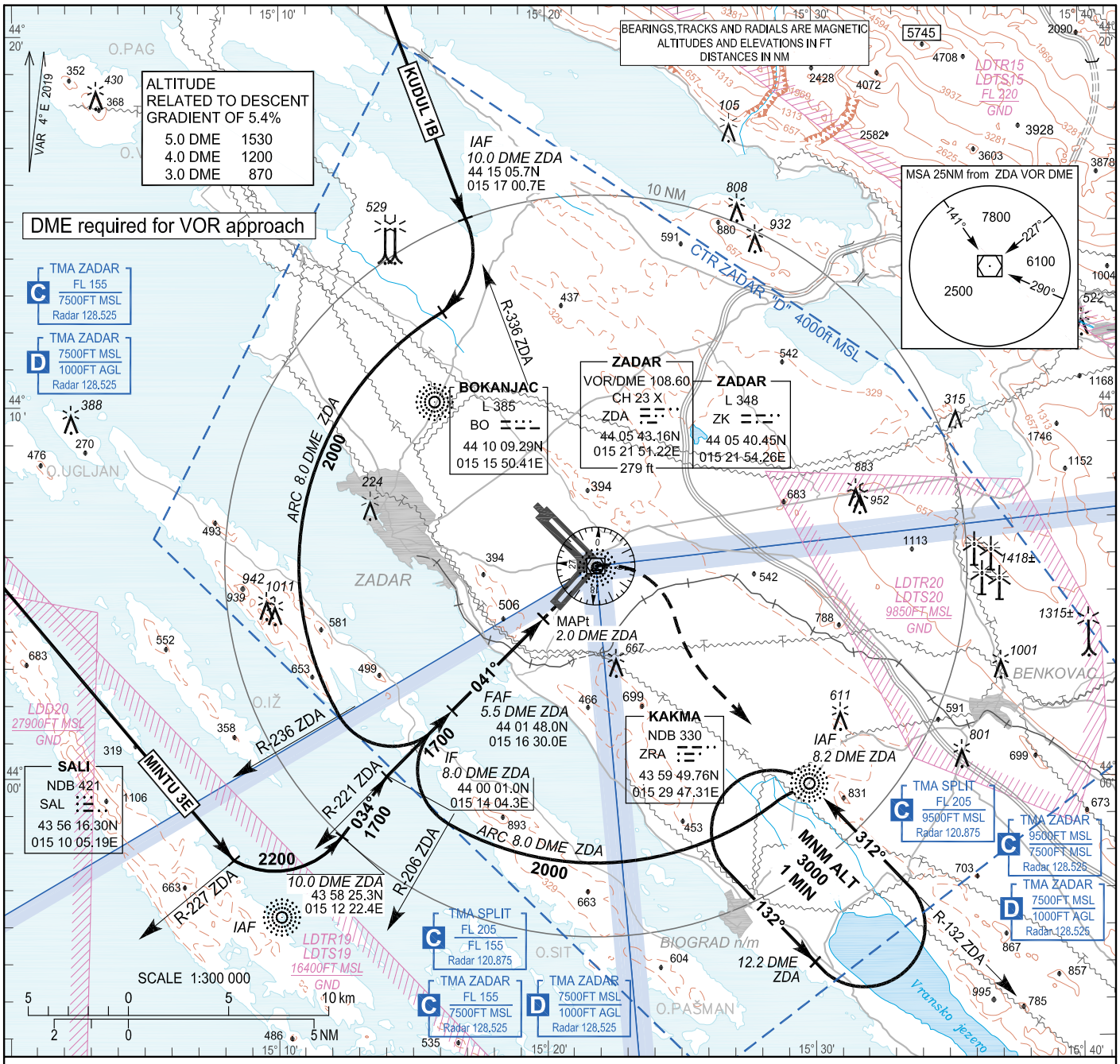
INSTRUMENT APPROACH
CHART-ICAO

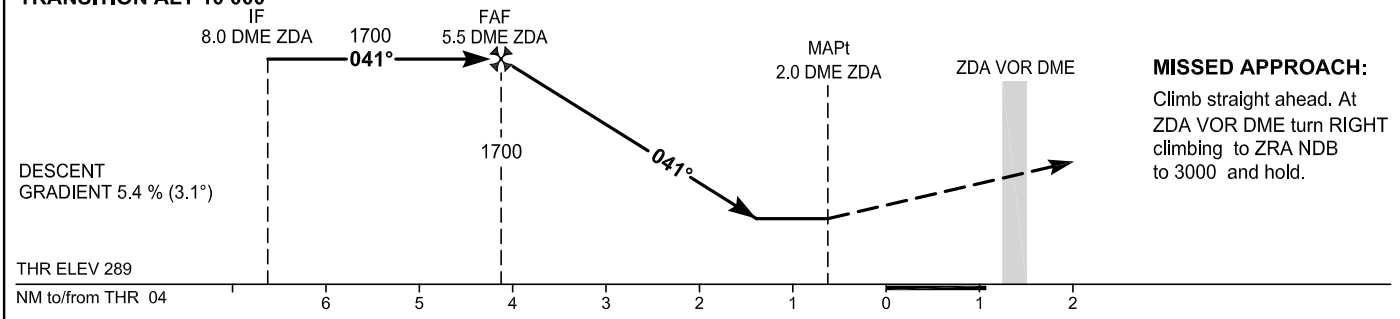
AD ELEV 289
HEIGHTS RELATED
TO THR 04 ELEV 289

ZADAR RADAR 128.525
ZADAR TOWER 123.700

ZADAR / Zemunik
CROATIA
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: Initial segment via KUDUL 1B added; Initial segment via: ALANU 3B, EBITA 4F, ULPIN 3B withdrawn; ADR table updated.

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AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
VOR RWY04			
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)	See LDZD AD 2.19	-	-
IAF (ZRA NDB)	See LDZD AD 2.19	-	-
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)	See LDZD AD 2.19	-	-

CHANGE: Initial segment via KUDUL 1B added; Initial segment via: ALANU 3B, EBITA 4F, ULPIN 3B withdrawn; ADR table updated.

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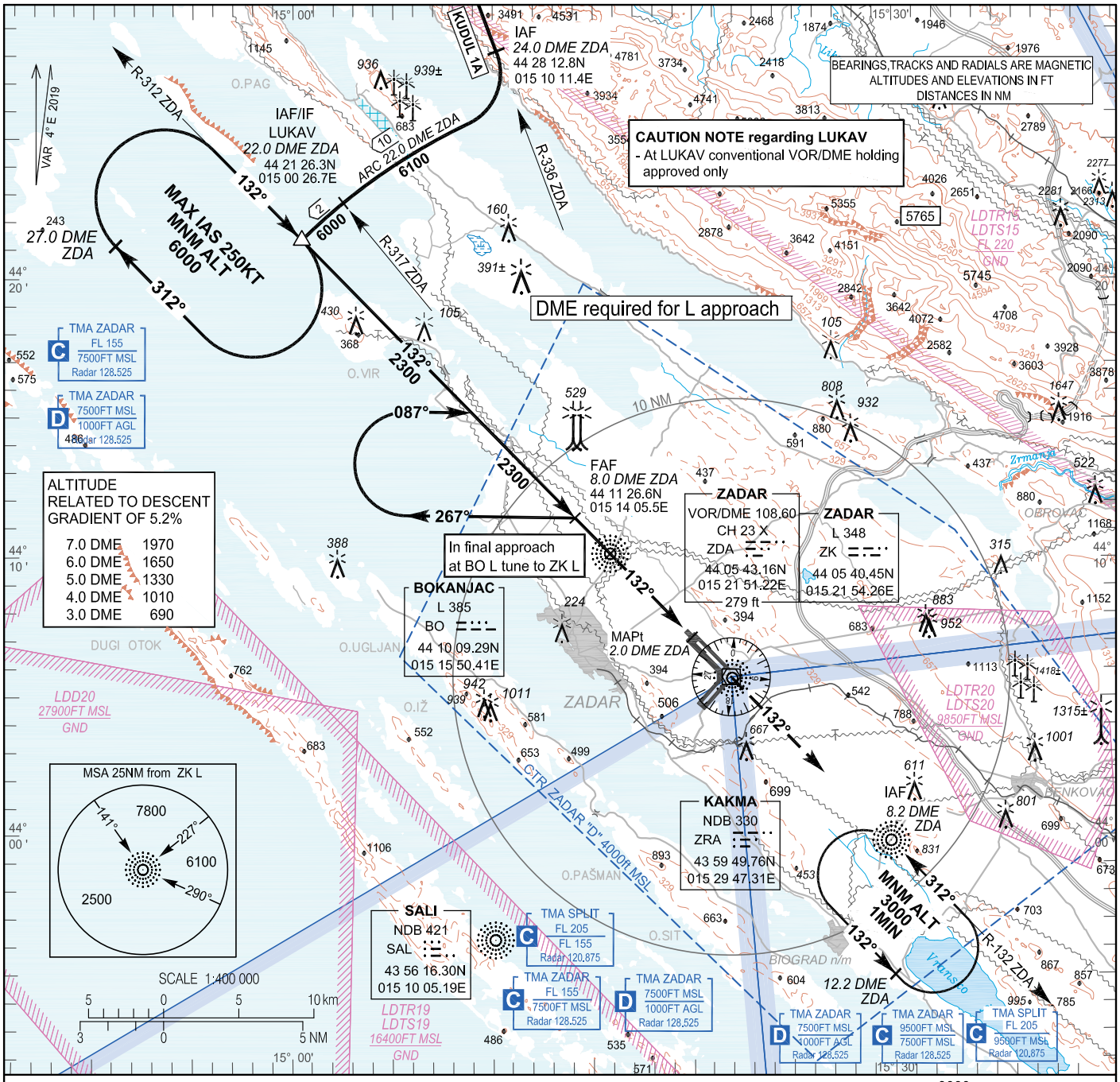
INSTRUMENT APPROACH CHART-ICAO

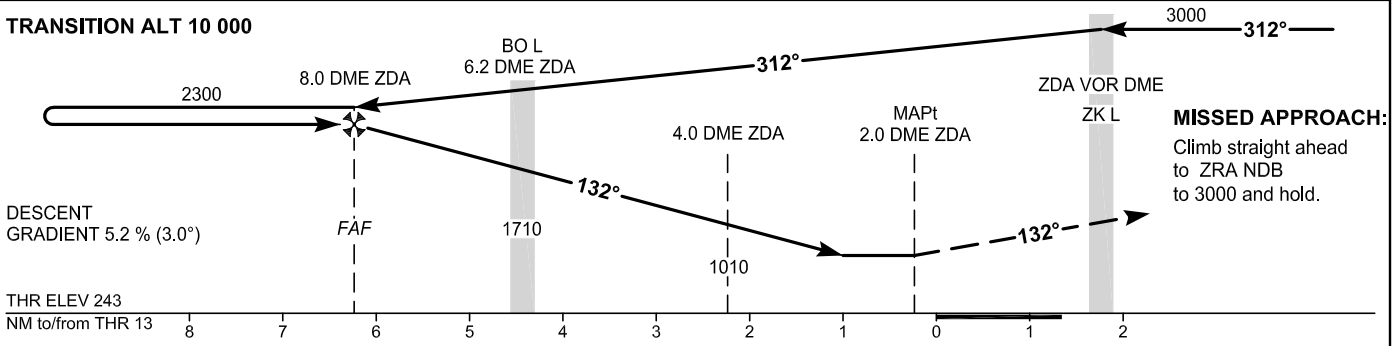
AD ELEV 289
HEIGHTS RELATED TO THR 13 ELEV 243

ZADAR RADAR 128.525
ZADAR TOWER 123.700

ZADAR / Zemunik
CROATIA
L z 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: Initial segment via KUDUL 1A added; ADR table updated.

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ZADAR / Zemunik
CROATIA
L z RWY 13

AERONAUTICAL DATABASE REQUIREMENTS

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
L z RWY13			
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)	See LDZD AD 2.19	-	-
IAF - *by ATC only* (ZDA VOR DME)	See LDZD AD 2.19	-	-
FAF	44 11 26.6N 015 14 05.5E	135.68° (BO L)	8.00 DME ZDA
SDF (BO L)	See LDZD AD 2.19	-	-
MAPt	44 07 08.9N 015 19 54.6E	135.70° (ZK L)	2.00 DME ZDA

CHANGE: Initial segment via KUDUL 1A added; ADR table updated.

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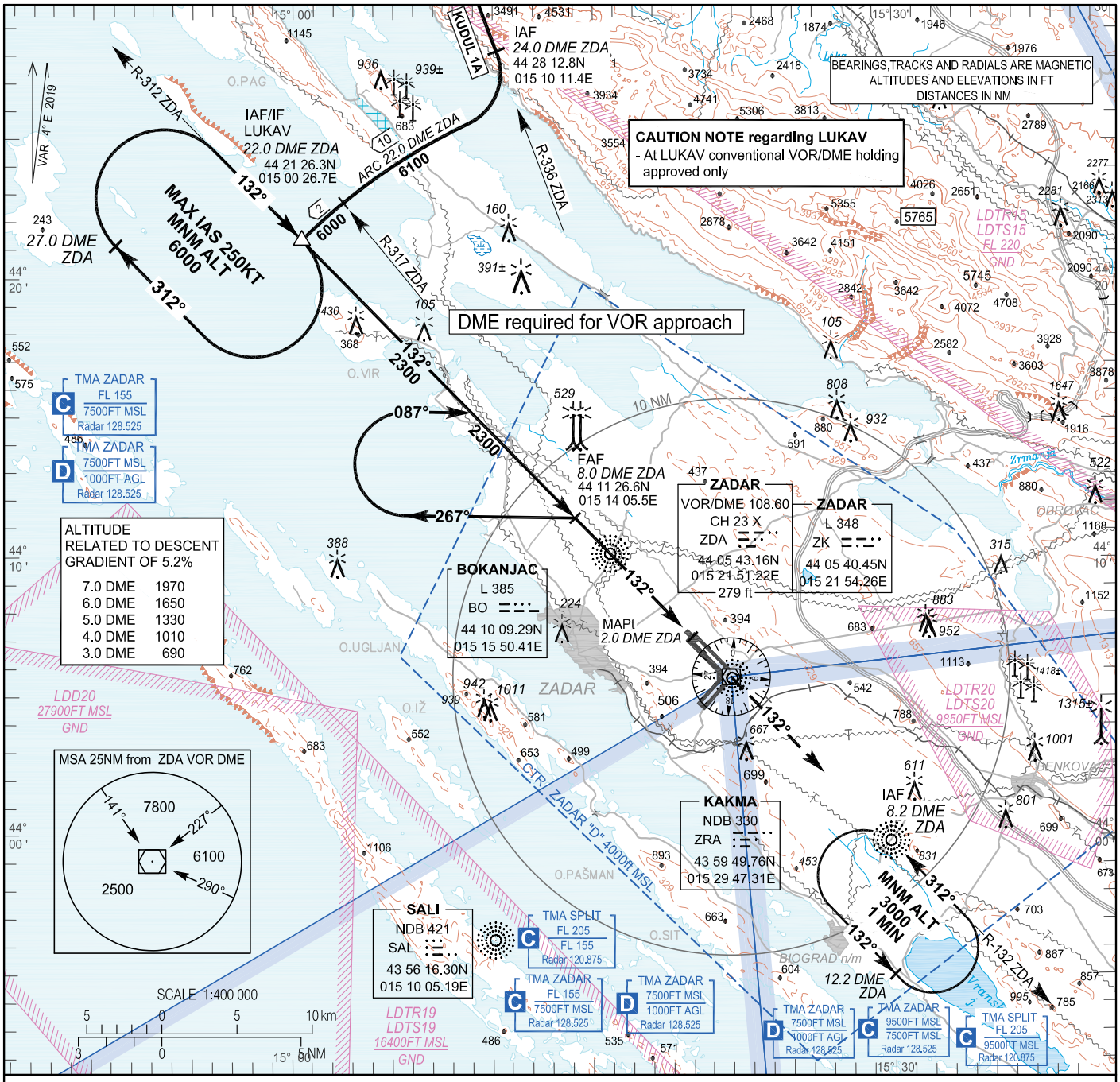
INSTRUMENT APPROACH
CHART-ICAO

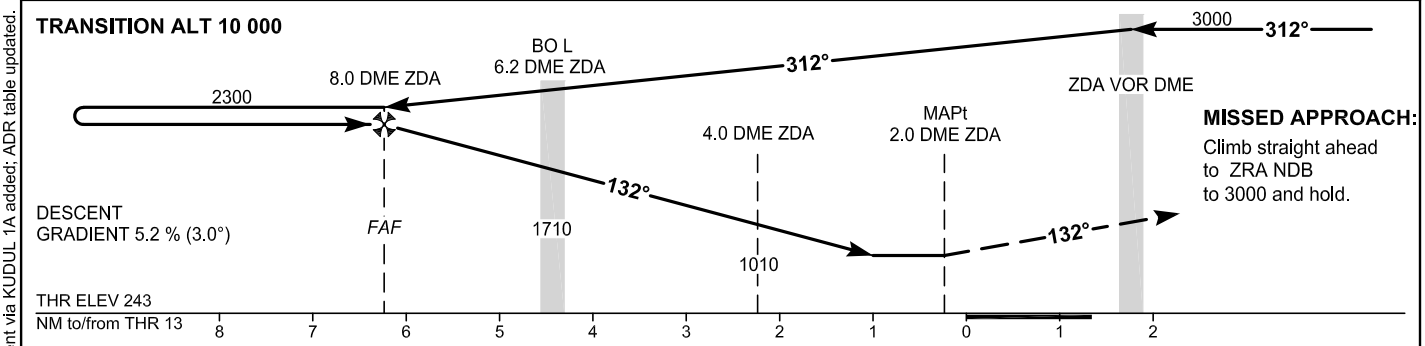
AD ELEV 289
HEIGHTS RELATED
TO THR 13 ELEV 243

ZADAR RADAR 128.525
ZADAR TOWER 123.700

ZADAR / Zemunik
CROATIA
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: Initial segment via KUDUL 1A added; ADR table updated.

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AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
VOR RWY13			
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)	See LDZD AD 2.19	-	-
IAF - *by ATC only* (ZDA VOR DME)	See LDZD AD 2.19	-	-
FAF	44 11 26.6N 015 14 05.5E	315.72° (from ZDA VOR)	8.00 DME ZDA
SDF (BO L)	See LDZD AD 2.19	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: Initial segment via KUDUL 1A added; ADR table updated.

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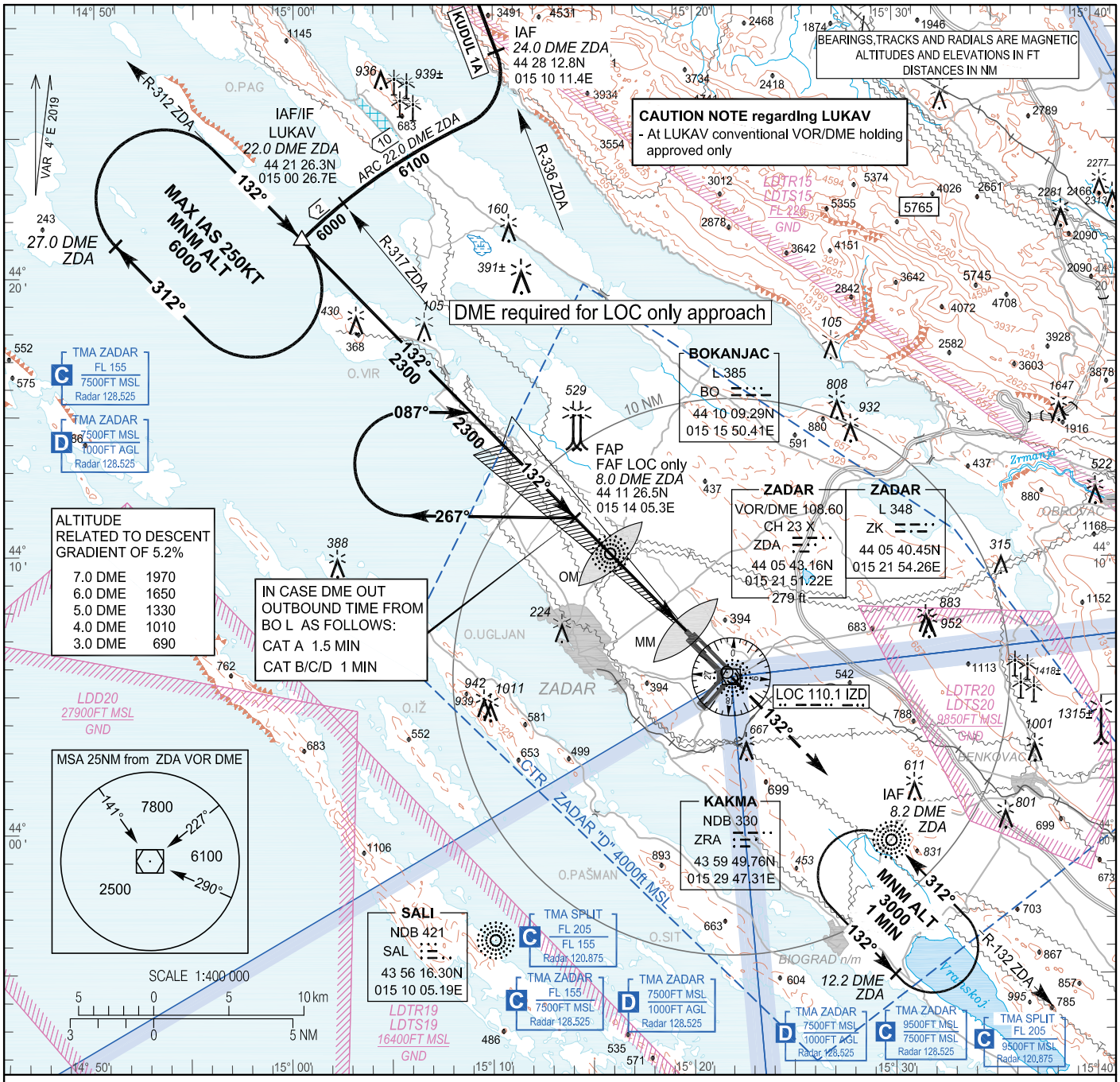
INSTRUMENT APPROACH
CHART-ICAO

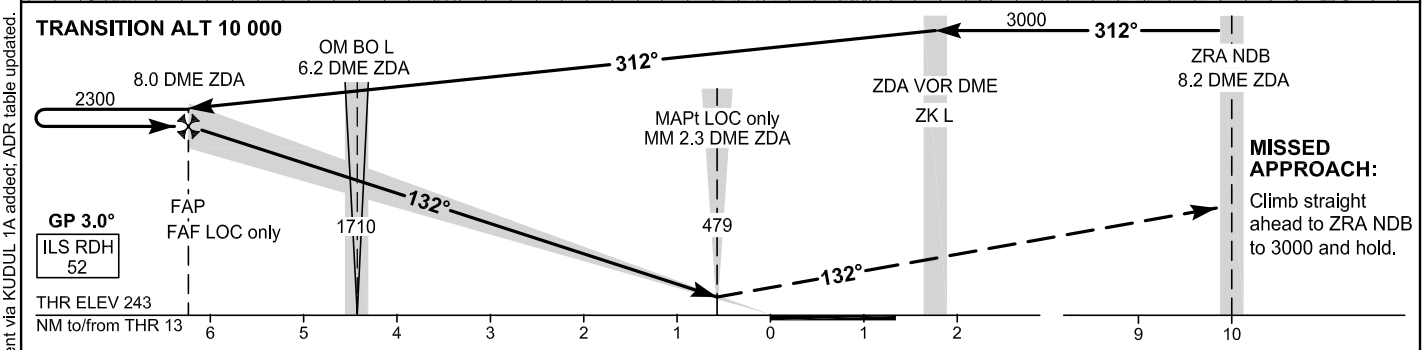
AD ELEV 289
HEIGHTS RELATED
TO THR 13 ELEV 243

ZADAR RADAR 128.525
ZADAR TOWER 123.700

ZADAR / Zemunik
CROATIA
ILS or LOC 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	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: Initial segment via KUDUL 1A added; ADR table updated.

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AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
ILS or LOC RWY13			
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)	See LDZD AD 2.19	-	-
IAF - *by ATC only* (ZDA VOR DME)	See LDZD AD 2.19	-	-
FAP / FAF LOC only	44 11 26.5N 015 14 05.3E	135.69° (IZD LOC)	8.00 DME ZDA
SDF LOC only (OM)	See LDZD AD 2.19	135.69° (IZD LOC)	6.19 DME ZDA
MAPt LOC only (MM)	See LDZD AD 2.19	135.69° (IZD LOC)	2.34 DME ZDA

CHANGE: Initial segment via KUDUL 1A added; ADR table updated.

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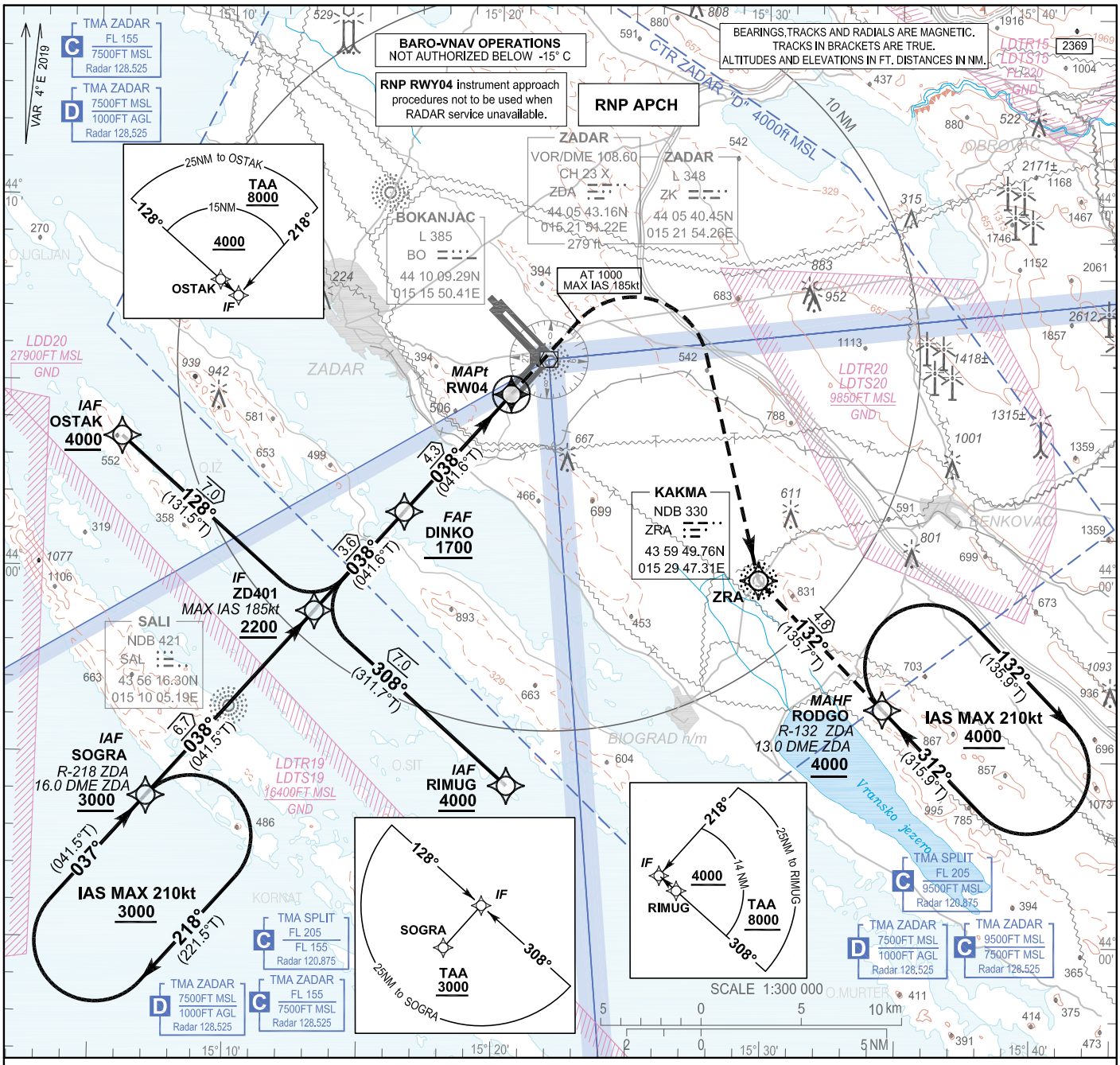
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 289
HEIGHTS RELATED
TO THR 04 ELEV 289

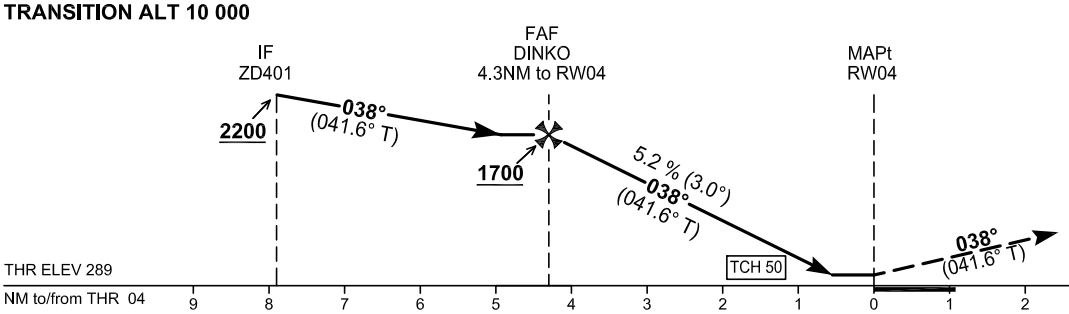
SBAS
CH: 52290
E04A

ZADAR RADAR 128.525
ZADAR TOWER 123.700

ZADAR / Zemunik
CROATIA
RNP RWY 04



TRANSITION ALT 10 000



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: Page number and chart title; MNM ALT at OSTAK and RIMUG; TAA OSTAK and RIMUG

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ZADAR / Zemunik
CROATIA
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: Page number and chart title; MNM ALT at OSTAK and RIMUG; TAA OSTAK and RIMUG

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LDZD 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	RIMUG	-	-	4.00°E	-	-	+4000	-	-	-	RNP APCH
020	IF	TF	ZD401	-	308° (311.7° T)	4.00°E	7.0	-	+2200	-185KT	-	-	
010	IAF	IF	SOGRA	-	-	4.00°E	-	-	+3000	-	-		RNP APCH
020	IF	TF	ZD401	-	038° (041.5° T)	4.00°E	6.7	-	+2200	-185KT	-	-	
010	IAF	IF	OSTAK	-	-	4.00°E	-	-	+4000	-	-		RNP APCH
020	IF	TF	ZD401	-	128° (131.5° T)	4.00°E	7.0	-	+2200	-185KT	-	-	

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	-	-	4.00°E	-	-	+2200	-185KT	-	-	RNP APCH
020	FAF	TF	DINKO	-	038° (041.6°T)	4.00°E	3.6	-	+1700	-	-	-	
030	MAPt	CF	RW04	Y	038° (041.6°T)	4.00°E	4.3	-	-	-	3.0 / 50.0	-	
040	-	CA	-	-	038° (041.6°T)	4.00°E	-	-	1000	-	-	RIGHT turn at ALT 1000	
050	-	DF	ZRA	-	-	4.00°E	-	R	-	-185	-	-	
060	MAHF	TF	RODGO	-	132° (135.7°T)	4.00°E	4.8	-	4000	-	-	-	
070	MAHF	HM	RODGO	-	312° (315.9°T)	4.00°E	1 MIN	R	4000	-210	-	Holding above 4000 on ATC clearance only	RNAV 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	Magnetic variation	Remarks	NAV SPEC
SOGRA	HM	037° (041.5°T)	1MIN / -	R	3000	-	210KT	4°E	-	RNAV 1
RODGO	HM	312° (315.9°T)	1MIN / -	R	4000	-	210KT	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: Page number and chart title; MNM ALT at OSTAK and RIMUG; TAA OSTAK and RIMUG

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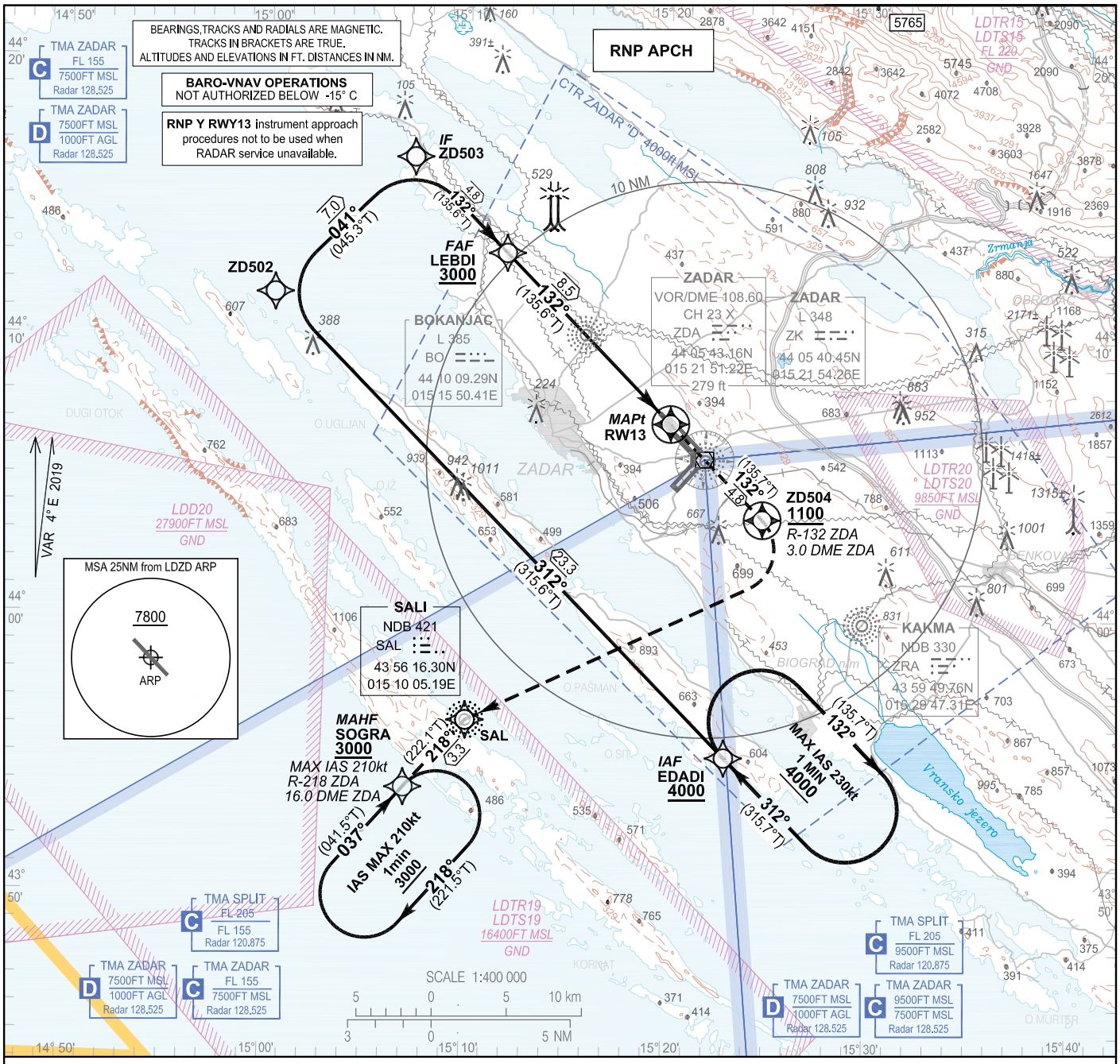
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 289
HEIGHTS RELATED
TO THR 13 ELEV 243

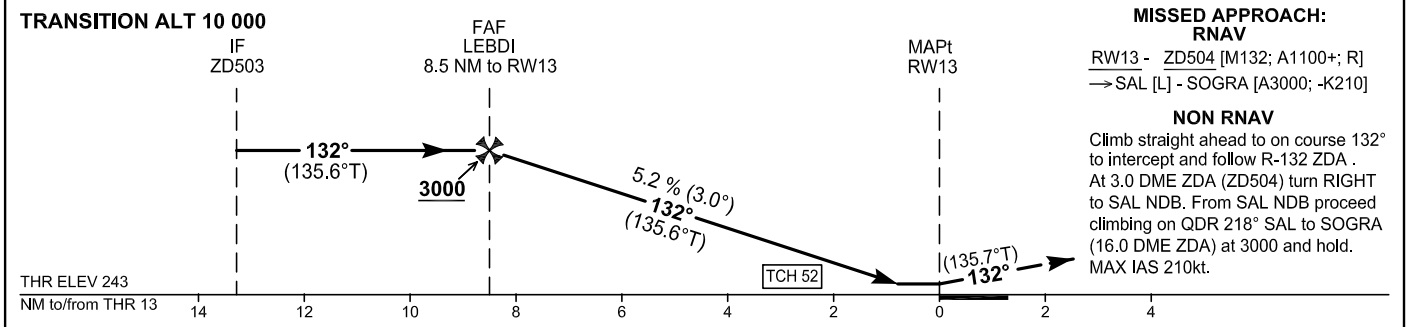
SBAS
CH: 63362
E13B

ZADAR RADAR 128.525
ZADAR TOWER 123.700

ZADAR / Zemunik
CROATIA
RNP Y RWY 13



TRANSITION ALT 10 000



MISSED APPROACH:
RNAV
RW13 - ZD504 [M132; A1100+; R]
→SAL [L] - SOGRA [A3000; -K210]

NON RNAV
Climb straight ahead to 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: New chart

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ZADAR / Zemunik
CROATIA
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: New chart

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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	-	-	4.00°E	-	-	+4000	-	-	-	RNP APCH
020	-	TF	ZD502	-	312° (315.6° T)	4.00°E	23.3	-	-	-	-	-	
030	IF	TF	ZD503	-	041° (045.3° T)	4.00°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	-	-	4.00°E	-	-	-	-	-	-	RNP APCH
020	FAF	TF	LEBDI	-	132° (135.6°T)	4.00°E	4.8	-	+3000	-	-	-	
030	MAPt	TF	RW13	Y	132° (135.6°T)	4.00°E	8.5	-	-	-	3.0 / 52.0	-	
040	-	CF	ZD504	Y	132° (135.7°T)	4.00°E	4.8	-	+1100	-	-	-	
050	-	DF	SAL	-	-	4.00°E	-	R	-	-	-	-	
060	MAHF	TF	SOGRA	-	218° (222.1°T)	4.00°E	3.3	-	3000	-210	-	-	
070	MAHF	HM	SOGRA	-	037° (041.5°T)	4.00°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	4.00°E	-	RNAV 1
SOGRA	HM	037° (041.5)	1 MIN / -	R	3000	-	210	4.00°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
SAL	435616.30N	0151005.19E
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

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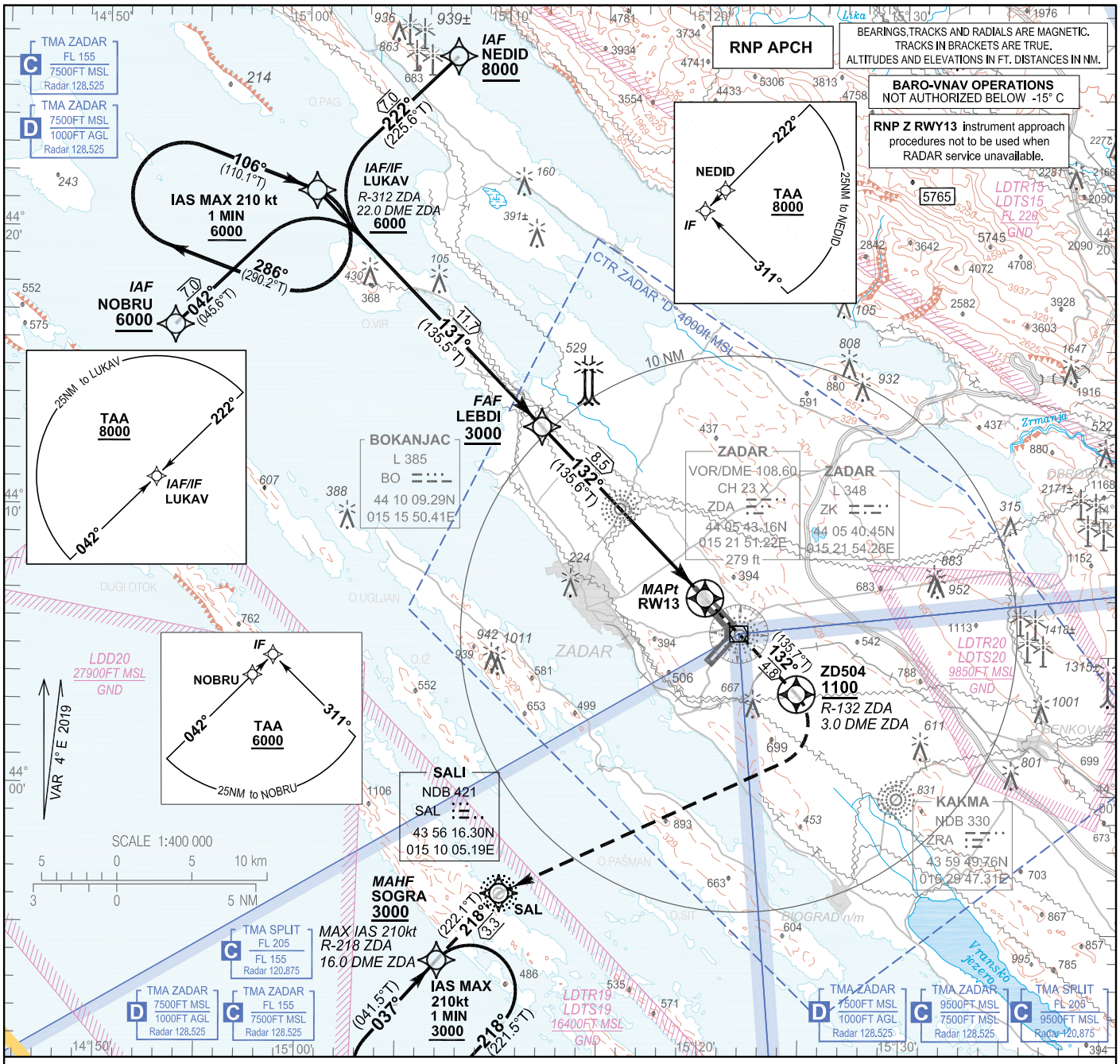
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 289
HEIGHTS RELATED
TO THR 13 ELEV 243

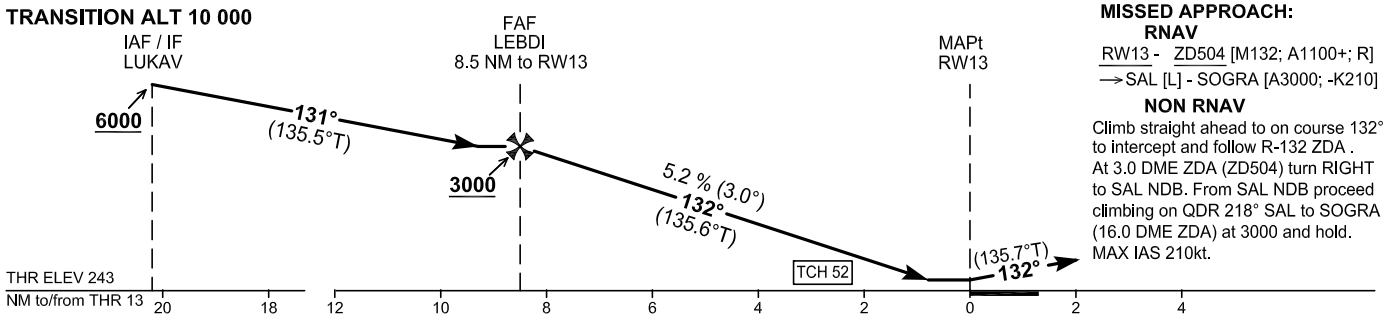
SBAS
CH: 77391
E13A

ZADAR RADAR 128.525
ZADAR TOWER 123.700

ZADAR / Zemunik
CROATIA
RNP Z RWY 13



TRANSITION ALT 10 000



MISSED APPROACH:

RNAV

RW13 - ZD504 [M132; A1100+; R]
→SAL [L] - SOGRA [A3000; -K210]

NON RNAV

Climb straight ahead to 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: Page number and chart title; LUKAV holding MAX IAS; Missed approach segment; FAS Data Block

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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: Page number and chart title; LUKAV holding MAX IAS; Missed approach segment; FAS Data Block

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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	-	-	4.00°E	-	-	+6000	-	-	-	RNP APCH
020	IF	TF	LUKAV	-	042° (045.6° T)	4.00°E	7.0	-	+6000	-	-	-	
010	IAF/IF	IF	LUKAV	-	-	4.00°E	-	-	+6000	-	-	-	RNP APCH
010	IAF	IF	NEDID	-	-	4.00°E	-	-	+8000	-	-	-	RNP APCH
020	IF	TF	LUKAV	-	222° (225.6° T)	4.00°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	-	-	4.00°E	-	-	+6000	-	-	-	RNP APCH
020	FAF	TF	LEBDI	-	131° (135.5°T)	4.00°E	11.7	-	+3000	-	-	-	
030	MAPt	TF	RW13	Y	132° (135.6°T)	4.00°E	8.5	-	-	-	3.0 / 52.0	-	
040	-	CF	ZD504	Y	132° (135.7°T)	4.00°E	4.8	-	+1100	-	-	-	
050	-	DF	SAL	-	-	4.00°E	-	R	-	-	-	-	
060	MAHF	TF	SOGRA	-	218° (222.1°T)	4.00°E	3.3	-	3000	-210	-	-	
070	MAHF	HM	SOGRA	-	037° (041.5°T)	4.00°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	4.00°E	-	RNAV 1
SOGRA	HM	037° (041.5°T)	1 MIN / -	R	3000	-	210	4.00°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
SAL	435616.30N	0151005.19E
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: Page number and chart title; LUKAV holding MAX IAS; Missed approach segment; FAS Data Block

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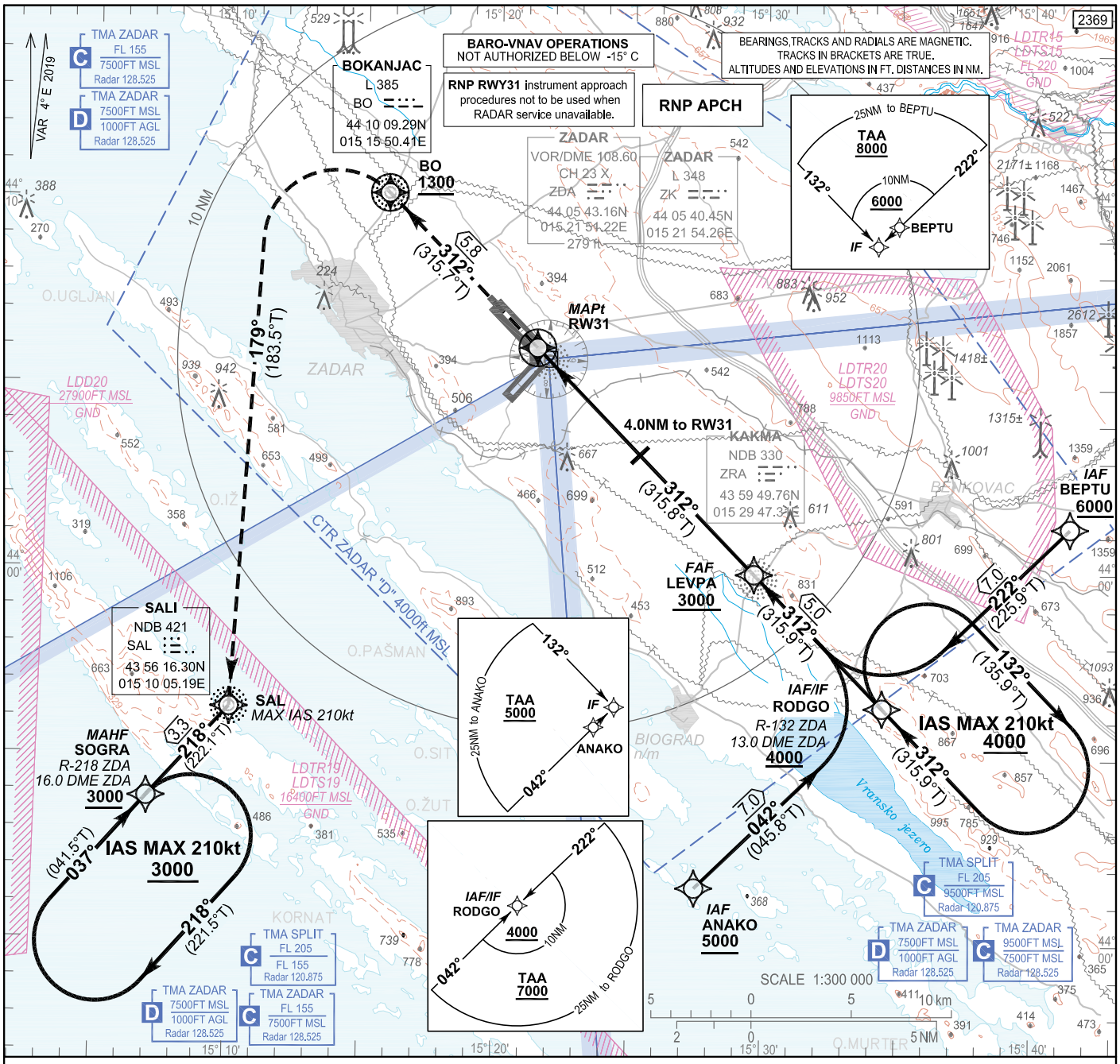
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 289
HEIGHTS RELATED
TO THR 31 ELEV 258

SBAS
CH: 52358
E31A

ZADAR RADAR 128.525
ZADAR TOWER 123.700

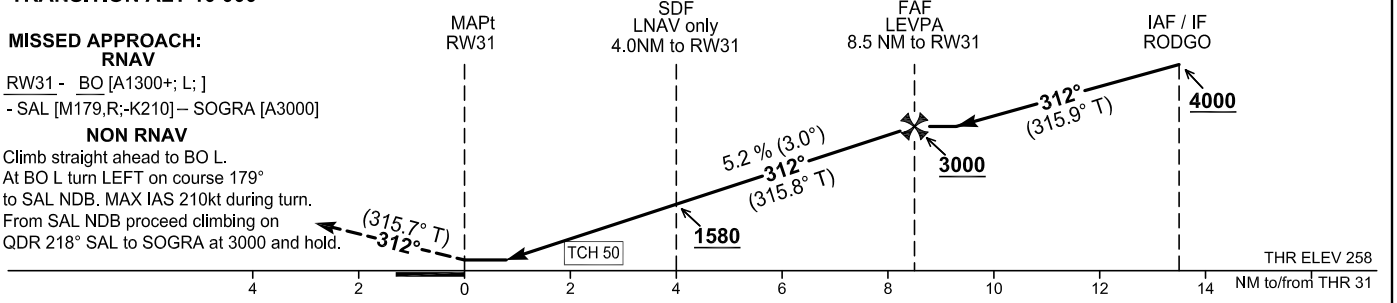
ZADAR / Zemunik
CROATIA
RNP RWY 31



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

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ZADAR / Zemunik
CROATIA
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

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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	-	-	4.00°E	-	-	+6000	-	-	-	RNP APCH
020	IF	TF	RODGO	-	222° (225.9° T)	4.00°E	7.0	-	+4000	-	-	-	
010	IAF/IF	IF	RODGO	-	-	4.00°E	-	-	+4000	-	-		RNP APCH
010	IAF	IF	ANAKO	-	-	4.00°E	-	-	+5000	-	-	-	RNP APCH
020	IF	TF	RODGO	-	042° (045.8° T)	4.00°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	-	-	4.00°E	-	-	+4000	-	-	-	RNP APCH
020	FAF	TF	LEVPA	-	312° (315.9°T)	4.00°E	5.0	-	+3000	-	-	-	
030	MAPt	TF	RW31	Y	312° (315.8°T)	4.00°E	8.5	-	-	-	3.0 / 50.0	-	
040	-	TF	BO	Y	312° (315.7°T)	4.00°E	5.8	-	+1300	-	-	-	
050	-	CF	SAL	-	179° (183.5° T)	4.00°E	-	L	-	-210	-	True course 183.48° T	
060	MAHF	TF	SOGRA	-	218° (222.1°T)	4.00°E	3.3	-	3000	-	-	-	
070	MAHF	HM	SOGRA	-	037° (041.5°T)	4.00°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 limit MAX IAS	Magnetic variation	Remarks	NAV SPEC
RODGO	HM	312° (315.9°T)	1MIN / -	R	4000	-	210KT	4°E	-	RNAV 1
SOGRA	HM	037° (041.5°T)	1MIN / -	R	3000	-	210KT	4°E	-	

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
BO	441009.29N	0151550.41E
SAL	435616.30N	0151005.19E
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

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