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Phone: +385 1 6259 373
+385 1 6259 589
+385 1 6259 372
Fax: +385 1 6259 374
AFS: LDZAYOYX
Email: aip@crocontrol.hr
URL: <http://www.crocontrol.hr>



AIRAC AIP AMDT 004/2020
Effective Date: 21 MAY 2020
Publication Date: 09 APR 2020

1. Amendment contents:**GEN**

- GEN 0.2 - Record of AIP amendments - updated
- GEN 0.3 - Record of AIP supplements - updated
- GEN 0.4 - Checklist of AIP pages - updated
- GEN 0.5 - List of hand amendments to the AIP - updated

AD

- AD 0.6 - Table of contents to Part three - updated
- LDDU AD 2.2, 2.3, 2.4, 2.6, 2.8, 2.9, 2.12, 2.14, 2.23 - Various changes
- LDDU - New chart:
 - Aerodrome chart - ICAO (LDDU AD 2.24.1 ADC -1/2)
- LDPL AD 2.3 - Fuelling operational hours - updated
- LDPL AD 2.24 - Charts related to an aerodrome - names of two charts - changed
- LDPL - New charts:
 - Standard Arrival Chart - Instrument - ICAO RNAV RWY 09 (LDPL AD 2.24.10 STAR RNAV RWY 09 -1/4)
 - Standard Arrival Chart - Instrument - ICAO RNAV RWY 27 (LDPL AD 2.24.10 STAR RNAV RWY 27 -1/4)
 - Instrument Approach Chart - ICAO RNP RWY 09 (LDPL AD 2.24.12 IAC RNP RWY 09 -1/4)
 - Instrument Approach Chart - ICAO RNP RWY 27 (LDPL AD 2.24.12 IAC RNP RWY 27 -1/4)
- LDRI AD 2.24 - Charts related to an aerodrome - names of two charts - changed
- LDRI - New charts:
 - Standard Arrival Chart - Instrument - ICAO RNAV RWY 14 (LDRI AD 2.24.10 STAR RNAV RWY 14 -1/2)
 - Standard Arrival Chart - Instrument - ICAO RNAV RWY 32 (LDRI AD 2.24.10 STAR RNAV RWY 32 -1/2)
 - Instrument Approach Chart - ICAO RNP RWY 14 (LDRI AD 2.24.12 IAC RNP RWY 14 -1/4)
 - Instrument Approach Chart - ICAO RNP RWY 32 (LDRI AD 2.24.12 IAC RNP RWY 32 -1/4)
- LDSB - New charts:
 - Standard Departure Chart - Instrument - ICAO ACFT CAT A/B&C RWY 04 (LDSB AD 2.24.8 SID RWY 04 CAT A/B&C -1/2)
 - Standard Departure Chart - Instrument - ICAO RNAV RWY 04 (LDSB AD 2.24.8 SID RNAV RWY 04 -1/2)
 - Standard Departure Chart - Instrument - ICAO ACFT CAT A/B&C RWY 22 (LDSB AD 2.24.8 SID RWY 22 CAT A/B&C -1/2)
 - Standard Departure Chart - Instrument - ICAO RNAV RWY 22 (LDSB AD 2.24.8 SID RNAV RWY 22 -1/2)
 - Standard Arrival Chart - Instrument - ICAO ACFT CAT A/B&C RWY 04/22 (LDSB AD 2.24.10 STAR RWY 04/22 CAT A/B&C -1/2)
 - Instrument Approach Chart - ICAO NDB RWY 04 (LDSB AD 2.24.12 IAC NDB RWY 04 -1/2)
 - Instrument Approach Chart - ICAO VOR-a RWY 04/22 (LDSB AD 2.24.12 IAC VOR-a RWY 04/22 -1/2)
 - Instrument Approach Chart - ICAO NDB-a RWY 22 (LDSB AD 2.24.12 IAC NDB-a RWY 22 -1/2)
 - Instrument Approach Chart - ICAO NDB RWY 22 (LDSB AD 2.24.12 IAC NDB RWY 22 -1/2)
 - Visual Operation Chart (LDSB AD 2.24.13 VOC -1/2)
- LDSP AD 2.3 - Remarks on REQ for flights according to EEC 95/93 - updated
- LDSP - New charts:
 - Standard Departure Chart - Instrument - ICAO RWY 05 (LDSP AD 2.24.8 SID RWY 05 -1/2)
 - Standard Departure Chart - Instrument - ICAO RNAV RWY 05 (LDSP AD 2.24.8 SID RNAV RWY 05 -1/4)

- Standard Departure Chart - Instrument - ICAO RWY 23 (LDSP AD 2.24.8 SID RWY 23 -1/2)
- Standard Arrival Chart - Instrument - ICAO RWY 05 (LDSP AD 2.24.10 STAR RWY 05 -1/2)
- Standard Arrival Chart - Instrument - ICAO RWY 23 (LDSP AD 2.24.10 STAR RWY 23 -1/2)
- Standard Arrival Chart - Instrument - ICAO RNAV RWY 05 (LDSP AD 2.24.10 STAR RNAV RWY 05 -1/4)
- ATC Surveillance Minimum Altitude Chart - ICAO (LDSP AD 2.24.11 ATCSMAC -1/2)
- Instrument Approach Chart - ICAO ILSz or LOCz RWY 05 (LDSP AD 2.24.12 ILSz or LOCz RWY 05 -1/2)

2. Hand corrections to the following pages:

- See GEN 0.5

3. Record entry of AMDT in GEN 0.2.

4. This AIP amendment incorporates information contained in the following publications:

NOTAM: A0869/20 and A1229/20

NOTAMs incorporated in this AMDT will be cancelled by NOTAMC

SUP: NIL

AIC: NIL

5. Remove / insert the pages as shown in list on the next page:

Insert the following pages

GEN 0.2 - 3/4 21 MAY 2020 / 06 DEC 2019
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 LDDU AD 2 - 7/8 21 MAY 2020 / 06 DEC 2019
 LDDU AD 2 - 15/16 28 MAR 2019 / 21 MAY 2020
 LDDU AD 2.24.1 ADC - 1/2 21 MAY 2020 / 21 MAY 2020
 LDPL AD 2 - 1/2 10 OCT 2019 / 21 MAY 2020
 LDPL AD 2 - 17/18 21 MAY 2020 / 23 APR 2020
 LDPL AD 2.24.10 STAR RNAV RWY09 - 1/2 21 MAY 2020 / 21 MAY 2020
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 LDRI AD 2.24.12 IAC RNP RWY 14 - 1/2 21 MAY 2020 / 21 MAY 2020
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 LDSB AD 2.24.8 SID RNAV RWY 04 - 1/2 21 MAY 2020 / 21 MAY 2020
 LDSB AD 2.24.8 SID RWY 22 CAT A/B&C - 1/2 21 MAY 2020 / 21 MAY 2020
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 LDSB AD 2.24.10 STAR RWY 04/22 CAT A/B&C - 1/2 21 MAY 2020 / 21 MAY 2020
 LDSB AD 2.24.12 IAC NDB RWY 04 - 1/2 21 MAY 2020 / 21 MAY 2020
 LDSB AD 2.24.12 IAC VOR-a RWY 04/22 - 1/2 21 MAY 2020 / 21 MAY 2020
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 LDSB AD 2.24.12 IAC NDB RWY 22 - 1/2 21 MAY 2020 / 21 MAY 2020
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 LDSP AD 2.24.12 IAC ILSz or LOCz RWY 05 - 1/2 21 MAY 2020 / 21 MAY 2020

Remove the following pages

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 LDPL AD 2.24.12 IAC RNAV (GNSS) RWY 27 -1/2 30 JAN 2020 / 30 JAN 2020
 LDPL AD 2.24.12 IAC RNAV (GNSS) RWY 27 -3/4 30 JAN 2020 / 30 JAN 2020
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 LDRI AD 2.24.12 IAC RNAV (GNSS) RWY 32 - 1/2 05 DEC 2019 / 05 DEC 2019
 NIL
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<i>NR/Year</i>	<i>Publication date</i>	<i>Effective date</i>	<i>Inserted by</i>
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	
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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	

GEN 0.3 RECORD OF AIP SUPPLEMENTS

NR/Year	Subject	AIP Section(s) Affected	Period of Validity	Cancellation Record
010/2018	DME "JAP" CH123Y is not available due to testing	GEN 2 ENR 4 ENR 6 LDZA AD 2	27-Sep-2018 - UFN	
005/2019	LDZD - ZADAR/Zemunik Airport - Construction works North-East from the main apron	LDZD AD 2	23-May-2019 - UFN	
014/2019	Replacement of RJK VOR/DME, its impact on existing LDRI and LDPL instrument flight procedures and publication of temporary LDRI instrument flight procedures	ENR 3 ENR 4 LDPL AD 2 LDRI AD 2	05-Dec-2019 - UFN	
004/2020	LDZA - Airport ZAGREB/Franjo Tudman - Remediation works at the part of asphalt pavement on the RWY 04/22	LDZA AD 2	12-Mar-2020 - UFN	

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LDZD AD 2.24.12 IAC RNP RWY 31 - 4	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		

GEN 0.5 LIST OF HAND AMENDMENTS TO THE AIP

AIP page(s) affected	Amendment text	Introduced by AIP AMDT number:
1	2	3
LDDU AD 2.24.1 ADC -1	Use of TWY B is prohibited to ACFT code letter E due to infrastructure restrictions.	AIRAC AIP AMDT 002/2019 (28 MAR 2019)
LDZD AD 2.24.4 AOC RWY04/22 -1 LDZD AD 2.24.4 AOC RWY13/31 -1	MAG VAR / Annual rate of change is 4°E (2019) / 0.13° increasing. RWY designator 14/32 is changed to 13/31.	AIRAC AIP AMDT 008/2019 (10 OCT 2019)
ENR 6.9-1	Airport name is changed to "Zagreb/Franjo Tuđman"	AIRAC AIP AMDT 003/2020 (23 APR 2020)
LDZD AD 2.24.1 ADC -1	New Sections S5 and S6 on Main apron.	AIRAC AIP AMDT 008/2019 (10 OCT 2019)
LDZA AD 2.24.1 ADC -1	Anemometer RWY 04 - not lighted.	AIRAC AIP AMDT 001/2020 (27 FEB 2020)
LDDU AD 2.24.2 APDC -1	ARO Dubrovnik withdrawn, instead amend it with AIS.	AIRAC AIP AMDT 004/2020 (21 MAY 2020)
ENR 6.2 -1 ENR 6.8 -1	BRC DME latitude coordinate changed to: 431656.93N.	AIRAC AIP AMDT 004/2020 (21 MAY 2020)

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LDZA - AIRPORT ZAGREB / Franjo Tuđman

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AD 2 Aerodromes

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LDZD - AIRPORT ZADAR / Zemunik

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AD 2 AERODROMES**LDDU AD 2****LDDU AD 2.1 AERODROME LOCATION INDICATOR AND NAME**

LDDU - AIRPORT DUBROVNIK / Čilipi

LDDU AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	423340.87N 0181605.68E 298° GEO/1300 M from THR 29
2	Direction and distance from (city)	125°, 13 KM from Dubrovnik
3	Elevation/Reference temperature	527 FT / 29.9°C (AUG)
4	Geoid undulation at AD ELEV PSN	132 FT
5	MAG VAR/Annual change	4° E (2019) / 0.13° increasing
6	AD Operator, address, telephone, telefax, AFS, SITA, e-mail, URL	Post: ZRAČNA LUKA DUBROVNIK d.o.o. Dubrovnik Airport Ltd. 20213 Čilipi - Konavle Croatia Phone: (+385 20) 773300 Fax: (+385 20) 773326 AFS: LDDUYDYX SITA: DBVAPXH Email: stationmngr@airport-dubrovnik.hr URL: http://www.airport-dubrovnik.hr/
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	Nil

LDDU AD 2.3 OPERATIONAL HOURS

1	AD Operator	0500-2100 (0400-2100)
2	Customs and immigration	H24
3	Health and sanitation	As AD HR SER
4	AIS Briefing Office	H24 - Selfbriefing
5	ATS Reporting Office (ARO)	H24 - Central ARO Split; Phone: +385 21 205-444 Fax: +385 21 895-227
6	MET Briefing Office	H24
7	ATS	H24
8	Fuelling	H24
9	Handling	As AD HR SER
10	Security	H24
11	De-icing	As AD HR SER
12	Remarks	All flights with a schedule approved outside of AD HR SER in process of facilitation and coordination activities according to Council Regulation (EEC) 95/93 and IATA Calendar of Coordination Activities do not require AD Operator approval. Outside AD HR SER, upon AD Operator approval only, request sent via SITA DBVAPXH till 1900 (1800).

LDDU AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	11 self propelled conveyor belts 27 towing tractors 12 pallet dollies 50 container dollies 120 luggage dollies 1 forklift 7 tonnes 1 forklift 2.5 tonnes 3 cargo loaders 7 tonnes 1 cargo loader 3.5 tonnes
2	Fuel/oil types	A1, AVGAS 100LL / Oil - Nil
3	Fuelling facilities/capacity	2 Fuel Trucks 60 000 L (A1) 1 Fuel Truck 42 000 L (A1) 1 Fuel Truck 30 000 L (A1) 1 Fuel Truck 20 000 L (A1) 1 Fuel Truck 7 000 L (AVGAS 100LL)
4	De-icing facilities	1 aircraft de-icing vehicle, maximum working height 11 M De/anti-icing fluid: TYPE I
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Dubrovnik Airport Handling AVBL during AD operational hours on FREQ 131.750 MHZ.

LDDU AD 2.5 PASSENGER FACILITIES

1	Hotels	Hotels in Cavtat and Dubrovnik
2	Restaurants	At AD, in Cavtat and Dubrovnik
3	Transportation	Bus, taxi, rent a car at AD
4	Medical facilities	First aid at AD, hospital in Dubrovnik
5	Bank and Post Office	At AD, in Cavtat and Dubrovnik
6	Tourist Office	At AD and in Cavtat and Dubrovnik
7	Remarks	Nil

LDDU AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 9 during AD HR SER. See Remarks
2	Rescue equipment	- 1 command vehicle 200 L water, 5 L foam - 1 heavy fire fighting vehicle 15.000 L water, 2.000 L foam, 250 KG powder - 1 heavy fire fighting vehicle 12.500 L water, 1.500 L foam, 250 KG powder - 1 heavy fire fighting vehicle 9.100 L water, 1.100 L foam - 1 technical fire fighting vehicle 4.000 L water, 400 L foam, 250 KG powder.
3	Capability for removal of disabled aircraft	4 towing trucks
4	Remarks	From 01 JAN to 28 MAR - CAT 6 From 29 MAR to 30 APR - CAT 7 From 01 MAY to 31 MAY - CAT 7, except on Thursdays (from 06:00 to 11:00) - CAT 8 From 01 JUN to 31 AUG - CAT 8 From 01 SEP to 01 NOV - CAT 7, except from 06:00 to 11:00 - CAT 8 From 02 NOV to 31 DEC - CAT 6 All flights with a schedule approved in process of facilitation and coordination activities according to EEC 95/93 and IATA Calendar of Coordination Activities will be covered with adequate Rescue and Fire Fighting CAT. All categories previously noticed, up to and including CAT 9, AVBL on request by prior notice (H24).

LDDU AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Types of clearing equipment	Snow ploughs, sweeper truck, spreaders (urea), friction tester (Skidometar BV-11)
2	Clearance priorities	1. Runway 2. Taxiway C and D 3. Parking positions (10 - 14)
3	Remarks	Nil

LDDU AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Apron surface and strength	SURFACE		STRENGTH	
		CONC		PCN 68/R/A/W/T	
2	Taxiway width, surface and strength	TWY	WIDTH (M)	SURFACE	STRENGTH
		A	23	ASPH	PCN 88/F/A/W/T
		B	27	CONC	PCN 72/R/A/W/T
		C	26	ASPH	PCN 88/F/A/W/T
		D	28	ASPH	PCN 88/F/A/W/T
		E	28	ASPH	PCN 88/F/A/W/T
		F	23	ASPH	PCN 88/F/A/W/T
		G	23	ASPH	PCN 88/F/A/W/T
	W	23	ASPH	PCN 88/F/A/W/T	
3	ACL location and elevation	Location: At Apron Elevation: 157 M			
4	VOR checkpoints	Nil			
5	INS checkpoints	See LDDU AD 2.24.2 APDC -1			
6	Remarks	Use of TWY B is prohibited to aircraft code letter E due to infrastructure restrictions.			

LDDU AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Guide lines at Apron, nose-in guidance at aircraft stands, Marshaller, vehicle "Follow me", docking guidance system APIS (AVGDS) available at aircraft stands 10, 10A, 11, 12, 14 and 14A.
2	RWY and TWY markings and LGT	<p>RWY-11/29: RWY Designations, THR/lighted, displaced THR, centre line/lighted, edges/lighted, TDZ, aiming point, turnpad at THR 29/lighted, pre-treshold area.</p> <p>TWY A centre line, enhanced centre line, mandatory instruction marking, edges/lighted, holding position.</p> <p>TWY B centre line, enhanced centre line, mandatory instruction marking, edges/lighted, holding position.</p> <p>TWY C centre line, enhanced centre line, mandatory instruction marking, edges/lighted, holding position, hold for follow me (ATC service boundary).</p> <p>TWY D centre line, enhanced centre line, mandatory instruction marking, edges/lighted, holding position, hold for follow me (ATC service boundary).</p> <p>TWY E centre line, enhanced centre line, mandatory instruction marking, edges/lighted, holding position.</p> <p>TWY F centre line, enhanced centre line, mandatory instruction marking, edges/lighted, holding position.</p> <p>TWY G centre line, edges/lighted, ATC service boundary, hold for follow me.</p> <p>TWY W centre line, edges/lighted, ATC service boundary, hold for follow me.</p>
3	Stop bars	Nil

4	Remarks	TWY A - RWY guard lights TWY B - RWY guard lights TWY C - RWY guard lights TWY D - RWY guard lights TWY E - RWY guard lights TWY F - RWY guard lights THR 29 RWY turn pad for ACFT with a wheelbase greater than 22,8 M requires a turn made with nose gear steering angle greater than 45 DEG.
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LDDU AD 2.10 AERODROME OBSTACLES

Obstacles in Area 2: See LDDU AD 2.24.4 AOC RWY 11 -1 and LDDU AD 2.24.4 AOC RWY 29 -1, LDDU AD 2.24.12 VMCC (IFR) RWY 29 -1

Obstacles in Area 3: Nil

LDDU AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	DUBROVNIK
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	DUBROVNIK, SPLIT, ZADAR,ZAGREB FT (24HR)
4	Trend Forecast Interval of issuance	TREND Continuous issuance during AD HR SER and 2 hours before AD HR SER
5	Briefing/consultation provided	Personally in MET Office or by tel: +385 1 6259224
6	Flight documentation Language(s) used	<ul style="list-style-type: none"> • Personally in MET Office or via selfbriefing (URL: http://ib.crocontrol.hr) or by fax (tel.: +385 20 447766) • Croatian, English
7	Charts and other information available for briefing or consultation	<ul style="list-style-type: none"> • diagnostic and prognostic surface and upper level charts • satellite images • meteograms
8	Supplementary equipment available for providing information	Telefax URL: http://met.crocontrol.hr
9	ATS units provided with information	Dubrovnik TWR, Dubrovnik APP
10	Additional information (limitation of service, etc.)	Nil

LDDU AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY (M)	Strength (PCN) and surface of RWY and SWY	THR COORD RWY End COORD THR Geoid Undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
11	118.21°	3230 X 45	86/F/A/W/T ASPH	423409.21N 0181454.24E 423320.95N 0181655.89E 132.1 FT	THR 519.5 FT TDZ 527.4 FT
29	298.23°			423320.95N 0181655.89E 423410.45N 0181451.11E 132.12 FT	THR 485 FT Nil

Designations RWY NR	Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
1	7	8	9	10	11	12
11	Slope of RWY 11: 0.5% (0 M - 510 M) 0% (510 M - 1840 M) -1.1% (1840 M - 2860 M) -0.2% (2860 M - 3230 M)	Nil	Nil	3350 X 280	Nil	Undershoot RESA: Length:171 M Width:90 M Surface:ASPH and grass Overrun RESA: Length: 240 M Width: 90 M Surface: grass
29	Slope of RWY 29: 0.2% (0 M - 370 M) 1.1% (370 M - 1390 M) 0% (1390 M - 2720 M) -0.5% (2720 M - 3230 M)	Nil	Nil		Nil	Undershoot RESA: Length: 240 M Width: 90 M Surface: grass Overrun RESA: Length: 90 M Width: 90 M Surface: ASPH and grass

LDDU AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
11	3230	3230	3230	3149	THR 11 displaced 81 M
	2388	Nil	Nil	Nil	Intersection TWY B
	1900	Nil	Nil	Nil	Intersection TWY C
	1487	Nil	Nil	Nil	Intersection TWY D
29	3230	3230	3230	3230	Nil
	2464	Nil	Nil	Nil	Intersection TWY E
	1798	Nil	Nil	Nil	Intersection TWY D
	1411	Nil	Nil	Nil	Intersection TWY C

LDDU AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type / LEN / INTST	THR LGT colour / WBAR	VASIS (MEHT) PAPI	TDZ LGT LEN	RWY Centre Line LGT LEN / spacing / colour / INTST	RWY edge LGT LEN / spacing / colour / INTST	RWY End LGT Colour / WBAR	SWY LGT LEN (M) / Colour	Remarks
1	2	3	4	5	6	7	8	9	10
11	CAT I (A) 900 M W VRB LIH	G VRB LIH	PAPI LEFT 3° 56 FT	Nil	3149M 30M W*VRB LIH	3149M 60M W VRB LIH Y CZ 600 M	R VRB LIH	Nil	W* to 900M before RWY end; W/R from 900M to 300M before RWY end; R on the last 300M before RWY end.
29	SALS (E) 420 M R VRB LIL	G VRB LIH	PAPI LEFT 3.2° 59 FT	Nil	3230M 30M W*VRB LIH	3230M 60M W VRB LIH Y CZ 600 M	R VRB LIH	Nil	2 white Lead-In lights at location Radovcici (423031.44N 0182007.05E) and Gruda (423226.90N 0181915.43E) as part of the approach lights. W* to 900M before RWY end; W/R from 900M to 300M before RWY end; R on the last 300M before RWY end.

LDDU AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	Nil
2	LDI location and LGT Anemometer location and LGT	WDI: 398 M and 1497 M right from THR11 and 299 M left from THR 29, lighted. Anemometer RWY 11 - position 111 M left of RCL, distance 341 M from (after) THR 11, ICAO marked and lighted. Anemometer RWY 29 - position 111 M right of RCL, distance 341 M from (after) THR 29, ICAO marked and lighted.
3	TWY edge and centre line lighting	TWY A EDGE: BLU VRB LIL TWY B EDGE: BLU VRB LIL TWY C EDGE: BLU VRB LIL TWY D EDGE: BLU VRB LIL TWY E EDGE: BLU VRB LIL TWY F EDGE: BLU VRB LIL TWY G EDGE: BLU VRB LIL TWY W EDGE: BLU VRB LIL
4	Secondary power supply/switch-over time	available, switch-over time: 10 sec
5	Remarks	APRON EDGE: BLU VRB LIL

LDDU AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO Geoid undulation	Nil
2	TLOF and/or FATO elevation M/FT	Nil
3	TLOF and FATO area dimensions, surface, strength, marking	Nil
4	True and MAG BRG of FATO	Nil
5	Declared distance available	Nil
6	APP and FATO lighting	Nil
7	Remarks	Area not defined. Parking positions are used according to arrangements with Airport Authorities.

SID RWY 29				
Designator	Route	After take off		Remarks
		Climb initially	Contact	
MADOS5D	MADOS FIVE DELTA DEPARTURE Climb straight ahead. At 5.0 DME DBK turn LEFT, on track 166°. Cross R-227 DBK, turn LEFT intercept R-198 DBK inbound DBK VOR DME. At DBK VOR DME turn LEFT, intercept R-333 DBK climbing to MADOS.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.6 MHZ.	Cross 4.0 DME DBK at or above 6500 FT. Cross MADOS at or above FL105.
BEVIS3D	BEVIS THREE DELTA DEPARTURE Climb straight ahead. At 5.0 DME DBK turn LEFT, on track 166°. Cross R-227 DBK, turn LEFT on track 126°. Cross R-198 DBK, turn RIGHT, intercept R-182 DBK climbing to BEVIS.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.6 MHZ.	

LDDU AD 2.22.2 STAR RWY 11/29

STAR RWY 11/29				
Designator	Route	Descend	Contact	Remarks
NERRA8A	NERRA EIGHT ALPHA ARRIVAL From NERRA proceed on QDM 120° KLP to KLP NDB (MNM ALT 5000 FT). At 21.0 DME DBK proceed on QDM 120° KLP (MNM ALT 4000 FT) and hold.	As cleared by ATC		
MOKUN4A	MOKUN FOUR ALPHA ARRIVAL From MOKUN proceed on R-121 DBK to DBK VOR DME (MNM ALT 7500 FT). After crossing DBK VOR DME intercept and follow QDM 297° KLP to KLP NDB (MNM ALT 5000 FT) and hold.	As cleared by ATC		HOLDING ENTRY FROM SECTOR 1 (parallel entry) & SECTOR 2 (offset entry) MNM ALT 4500FT
BEVIS3A	BEVIS THREE ALPHA ARRIVAL From BEVIS proceed on R-182 DBK (MNM ALT 5000 FT). At 15.0 DME DBK turn LEFT and intercept QDM 332° KLP to KLP NDB (MNM ALT 4500 FT) and hold.	As cleared by ATC		
LOKRU2A	LOKRU TWO ALPHA ARRIVAL From LOKRU proceed on QDM 007° KLP to KLP NDB (MNM ALT 4500 FT) and hold.	As cleared by ATC		
AMUGO2A	AMUGO TWO ALPHA ARRIVAL From AMUGO proceed on QDM 065° KLP to KLP NDB (MNM ALT 4000 FT) and hold	As cleared by ATC		

LDDU AD 2.22.3 MISSED APPROACH PROCEDURE

Inform ATC immediately.

Unless otherwise instructed by ATC, see relevant instrument approach chart in AD 2.24 and follow published missed approach procedure.

Missed approach procedure during **visual approach RWY 29**: 'Join final RWY 29, maintain RWY track and climb to 5000 FT'.

LDDU AD 2.22.4 BACKUP DEVICE ON TWR IN CASE OF A COMPLETE COMMUNICATION FAILURE

In case of complete communication failure, ATC signal light gun is available on Dubrovnik TWR.
Pilots shall observe light signals from TWR.

LDDU AD 2.23 ADDITIONAL INFORMATION

Increased activity of Herring gulls (*Larus cachinnans*) on and in the vicinity of aerodrome. Island Mrkan, island Bobara and island Supetar which are located in the vicinity of approach and take-off climb surface of RWY 11 are protected as an ornithological reserve.

See Bird concentrations chart: LDDU AD 2.24.14. BC -1

AERODROME CHART - ICAO

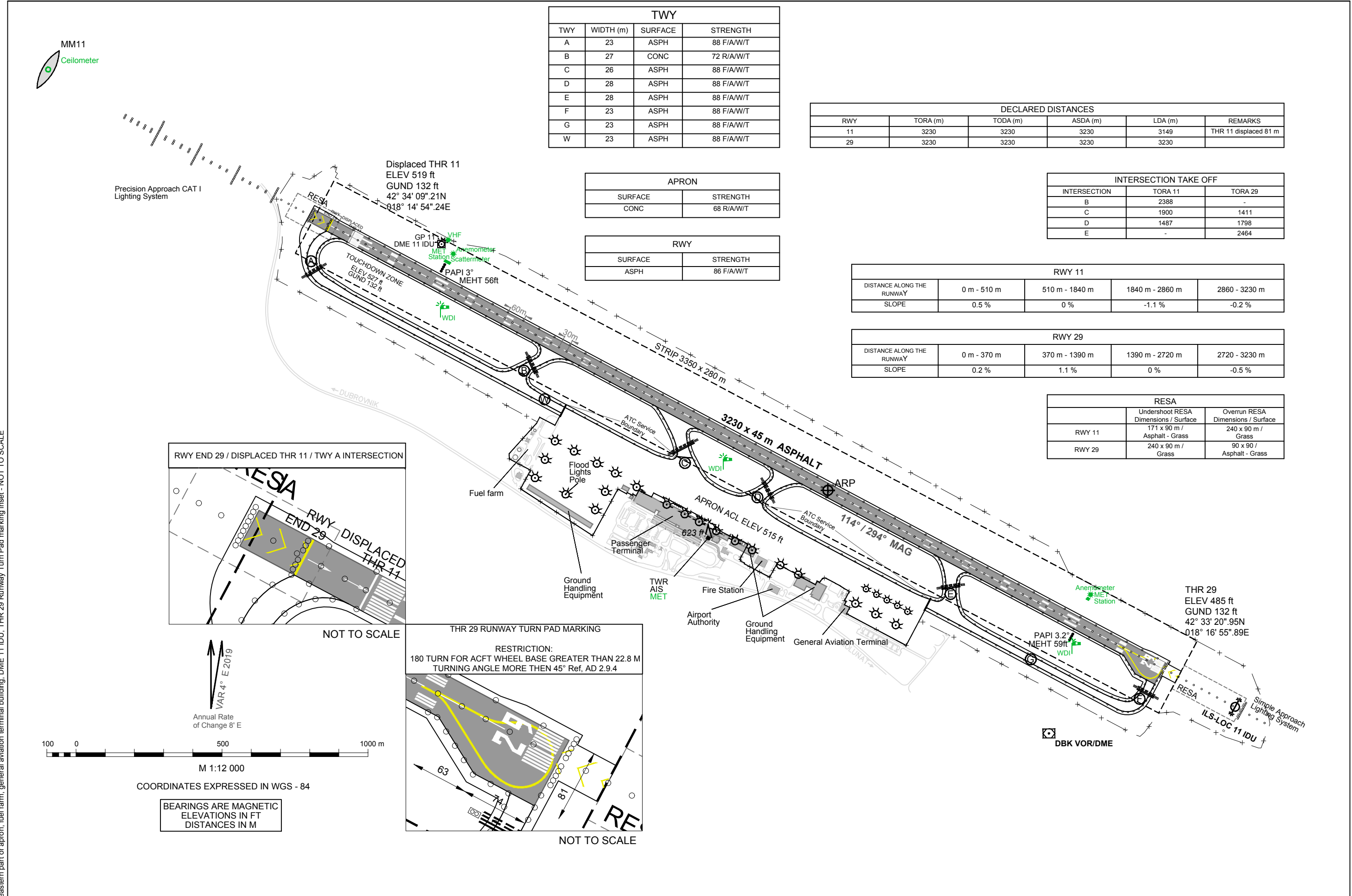
ARP
42° 33' 40,87"N
018° 16' 05,68"E

AD ELEV 527 ft
AD GUND 132 ft

DUBROVNIK ATIS 118.425

DUBROVNIK TOWER 129.500

DUBROVNIK / Čilipi
CROATIA



CHANGE: aerodrome fence layout, RWY declared distances, intersection take off distances, RWY 11 undershoot RESA dimensions/surface, RWY 29 overrun RESA dimensions/surface, RWY slope, RWY 11 undershoot RESA dimensions/surface, RWY 29 overrun RESA dimensions/surface, RWY surface, RWY edge lights distance, STRIP dimensions, RWY END 29 position, TWY A layout with RWY intersection/holding position markings/RWY guard lights position, TWY C layout with holding position markings/RWY guard lights position, TWY WIG ATC boundary service position, RWY 11 GPVHF/MET station/Anemometer/Scattermeter position, RWY 29 MET station/Anemometer position, Right PAPI 11 deleted, flood lights pole position, airport authority building position, fire station position, additional ground handling equipment, ARO to AIS, THR 29 Runway Turn Pad marking inset wording
ADDED: table RWY surface/strength, table TWY width/surface/strength, table apron surface/strength, table apron surface/strength, enlarged layout of RWY END 29/displaced THR 11/TWY A intersection, RWY 11-29 pre-threshold markings, PAPI 11-29 MEHT, RWY center line lights, western part of apron, eastern part of apron, fuel farm, general aviation terminal building, DME 11 IDU, THR 29 Runway Turn Pad marking inset - NOT TO SCALE

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AD 2 AERODROMES**LDPL AD 2****LDPL AD 2.1 AERODROME LOCATION INDICATOR AND NAME**

LDPL - AIRPORT PULA / Pula

LDPL AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	445336.72N 0135519.89E 088°/1476 M from THR 09
2	Direction and distance from (city)	067°, 6 KM from the centre of Pula
3	Elevation/Reference temperature	275 FT / 30.2°C (JUL)
4	Geoid undulation at AD ELEV PSN	142 FT
5	MAG VAR/Annual change	4°E (2019) / 0.15° increasing
6	AD Operator, address, telephone, telefax, AFS, SITA, e-mail, URL	Post: Zračna luka PULA d.o.o. Valtursko polje 210, p.p. 89 52100 Pula Phone: (+385 52) 530100 Fax: (+385 52) 550914 (+385 52) 550915 SITA: PUYAPXH Email: uprava@airport-pula.hr URL: http://www.airport-pula.hr
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	Nil

LDPL AD 2.3 OPERATIONAL HOURS

1	AD Operator	Upon NOTAM or AIP SUP
2	Customs and immigration	As AD HR SER
3	Health and sanitation	As AD HR SER
4	AIS Briefing Office	H24 - Selfbriefing
5	ATS Reporting Office (ARO)	H24 - Central ARO Split; Phone: +385 21 205-444, Fax: +385 21 895-227
6	MET Briefing Office	H24
7	ATS	H24
8	Fuelling	As AD HR SER
9	Handling	As AD HR SER
10	Security	H24
11	De-icing	As AD HR SER
12	Remarks	Nil

LDPL AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	2 cargo loader 7.5 tones/ 5.6 M 1 Fork lift 2 tones/ 3.2 M
2	Fuel/oil types	JET A1, AVGAS 100LL / Oil - Nil
3	Fuelling facilities/capacity	1 Fuel Trucks 63 000 L (A1) 1 Fuel Truck 40 000 L (A1) 1 Fuel Truck 18 000 L (A1) 1 Fuel Truck 4 000 L (AVGAS 100LL)
4	De-icing facilities	AVBL 1 truck, de/anti-icing fluid: TYPE IV
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

LDPL AD 2.5 PASSENGER FACILITIES

1	Hotels	In the city.
2	Restaurants	In the city.
3	Transportation	Bus, taxi
4	Medical facilities	First aid at AD. Hospitals in the city.
5	Bank and Post Office	In the city.
6	Tourist Office	In the city.
7	Remarks	Nil

LDPL AD 2.24 CHARTS RELATED TO AN AERODROME

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

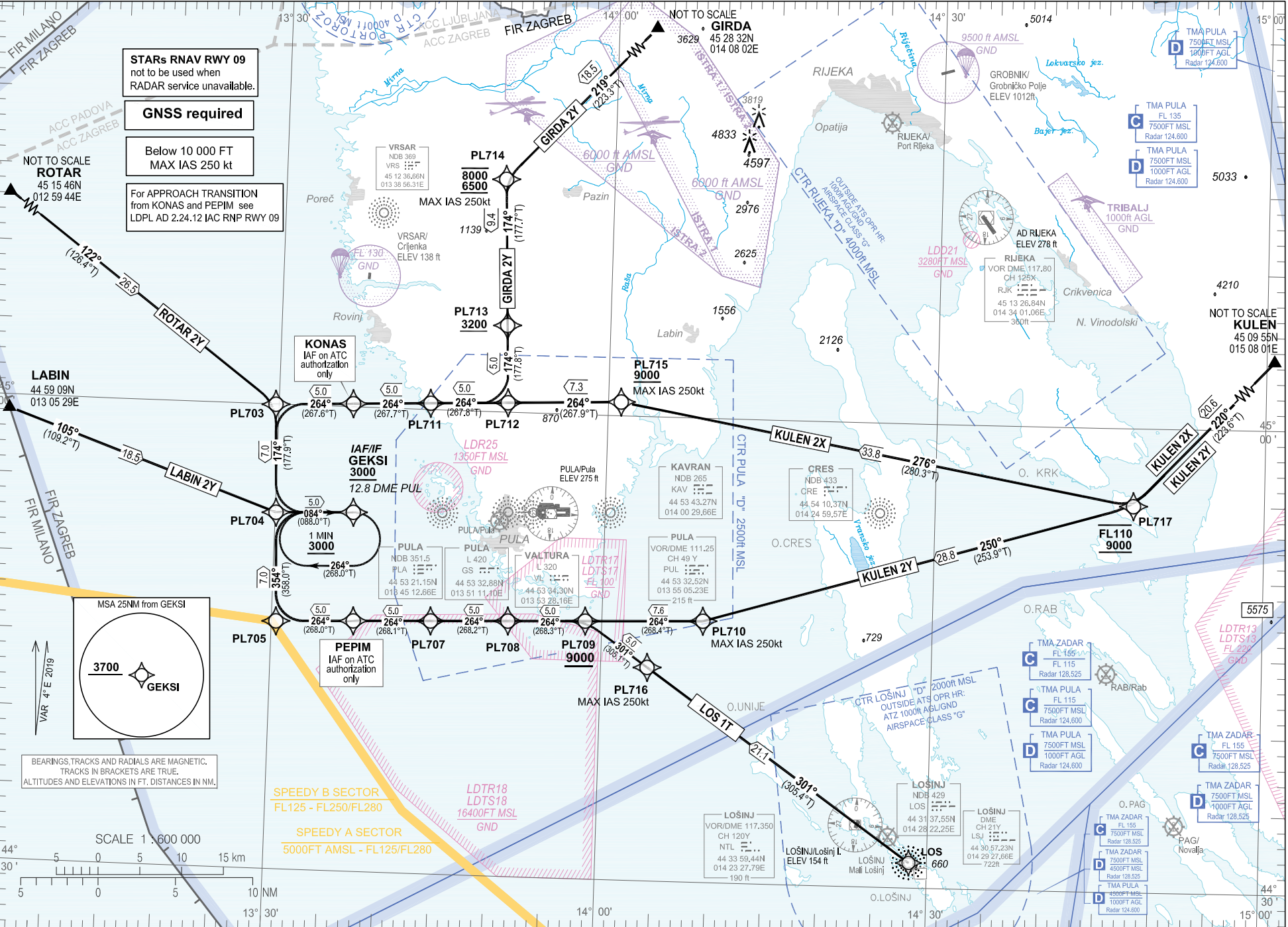
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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

PULA ATIS
129.150
PULA RADAR
124.600
PULA TOWER
132.000

PULA / Pula
CROATIA
RNAV RWY 09



STARs RNAV RWY 09
not to be used when
RADAR service unavailable.

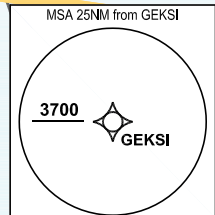
GNSS required

Below 10 000 FT
MAX IAS 250 kt

For APPROACH TRANSITION
from KONAS and PEPIM see
LDPL AD 2.24.12 IAC RNP RWY 09

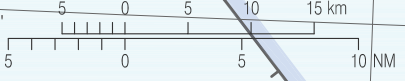
NOT TO SCALE
ROTAR
45 15 46N
012 59 44E

LABIN
44 59 09N
013 05 29E



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

SCALE 1 : 600 000



CHANGE: IAC title renamed; Editorail.

PULA/ Pula
CROATIA

RNAV RWY 09

LDPL RNAV STANDARD ARRIVAL RWY 09												
Proposed tabular description for navigation database coding												
Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	ROTAR 2Y	IF	ROTAR	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	PL703	-	122° (126.4°T)	4.00°E	26.5	-	-	-	-	
030		TF	PL704	-	174° (177.9°T)	4.00°E	7.0	-	-	-	-	
040		TF	GEKSI	-	084° (088.0°T)	4.00°E	5.0	-	+3000	-	IAF/IF	
010	GIRDA 2Y	IF	GIRDA	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	PL714	-	219° (223.3°T)	4.00°E	18.5	-	-8000 +6500	-250	-	
030		TF	PL713	-	174° (177.7°T)	4.00°E	9.4	-	+3200	-	-	
040		TF	PL712	-	174° (177.8°T)	4.00°E	5.0	-	-	-	-	
050		TF	PL711	-	264° (267.8°T)	4.00°E	5.0	-	-	-	-	
060		TF	KONAS	-	264° (267.7°T)	4.00°E	5.0	-	-	-	IAF on ATC authorization only	
070		TF	PL703	-	264° (267.6°T)	4.00°E	5.0	-	-	-	-	
080		TF	PL704	-	174° (177.9°T)	4.00°E	7.0	-	-	-	-	
090		TF	GEKSI	-	084° (088.0°T)	4.00°E	5.0	-	+3000	-	IAF/IF	
010		KULEN 2X	IF	KULEN	-	-	4.00°E	-	-	-	-	
020	TF		PL717	-	220° (223.6T)	4.00°E	20.6	-	-FL110 +9000	-	-	
030	TF		PL715	-	276° (280.3°T)	4.00°E	33.8	-	+9000	-250	-	
040	TF		PL712	-	264° (267.9°T)	4.00°E	7.3	-	-	-	-	
050	TF		PL711	-	264° (267.8°T)	4.00°E	5.0	-	-	-	-	
060	TF		KONAS	-	264° (267.7°T)	4.00°E	5.0	-	-	-	IAF on ATC authorization only	
070	TF		PL703	-	264° (267.6°T)	4.00°E	5.0	-	-	-	-	
080	TF		PL704	-	174° (177.9°T)	4.00°E	7.0	-	-	-	-	
090	TF		GEKSI	-	084° (088.0°T)	4.00°E	5.0	-	+3000	-	IAF/IF	

CHANGE: IAC title renamed; Editorial.

LDPL RNAV STANDARD ARRIVAL RWY 09

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	KULEN 2Y	IF	KULEN	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	PL717	-	220° (223.6°T)	4.00°E	20.6	-	-FL110 +9000	-	-	
030		TF	PL710	-	250° (253.9°T)	4.00°E	28.8	-	-	-250	-	
040		TF	PL709	-	264° (268.4°T)	4.00°E	7.6	-	+9000	-	-	
050		TF	PL708	-	264° (268.3°T)	4.00°E	5.0	-	-	-	-	
060		TF	PL707	-	264° (268.2°T)	4.00°E	5.0	-	-	-	-	
070		TF	PEPIM	-	264° (268.1°T)	4.00°E	5.0	-	-	-	IAF on ATC authorization only	
080		TF	PL705	-	264° (268.0°T)	4.00°E	5.0	-	-	-	-	
090		TF	PL704	-	354° (358.0°T)	4.00°E	7.0	-	-	-	-	
100		TF	GEKSI	-	084° (088.0°T)	4.00°E	5.0	-	+3000	-	IAF/IF	
010	LOS 1T	IF	LOS	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	PL716	-	301° (305.4°T)	4.00°E	21.1	-	-	-250	-	
030		TF	PL709	-	301° (305.1°T)	4.00°E	5.0	-	+9000	-	-	
040		TF	PL708	-	264° (268.3°T)	4.00°E	5.0	-	-	-	-	
050		TF	PL707	-	264° (268.2°T)	4.00°E	5.0	-	-	-	-	
060		TF	PEPIM	-	264° (268.1°T)	4.00°E	5.0	-	-	-	IAF on ATC authorization only	
070		TF	PL705	-	264° (268.0°T)	4.00°E	5.0	-	-	-	-	
080		TF	PL704	-	354° (358.0°T)	4.00°E	7.0	-	-	-	-	
090		TF	GEKSI	-	084° (088.0°T)	4.00°E	5.0	-	+3000	-	IAF/IF	
010	LABIN 2Y	IF	LABIN	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	PL704	-	105° (109.2°T)	4.00°E	18.5	-	-	-	-	
030		TF	GEKSI	-	084° (088.0°T)	4.00°E	5.0	-	+3000	-	IAF/IF	

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

CHANGE: IAC title renamed; Editorial.

PULA/ Pula
CROATIA
RNAV RWY 09

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
GEKSI	HM	084° (088.0°T)	1MIN / -	R	3000	-	-	4.00°E	-	RNAV 1

Waypoint coordinates

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

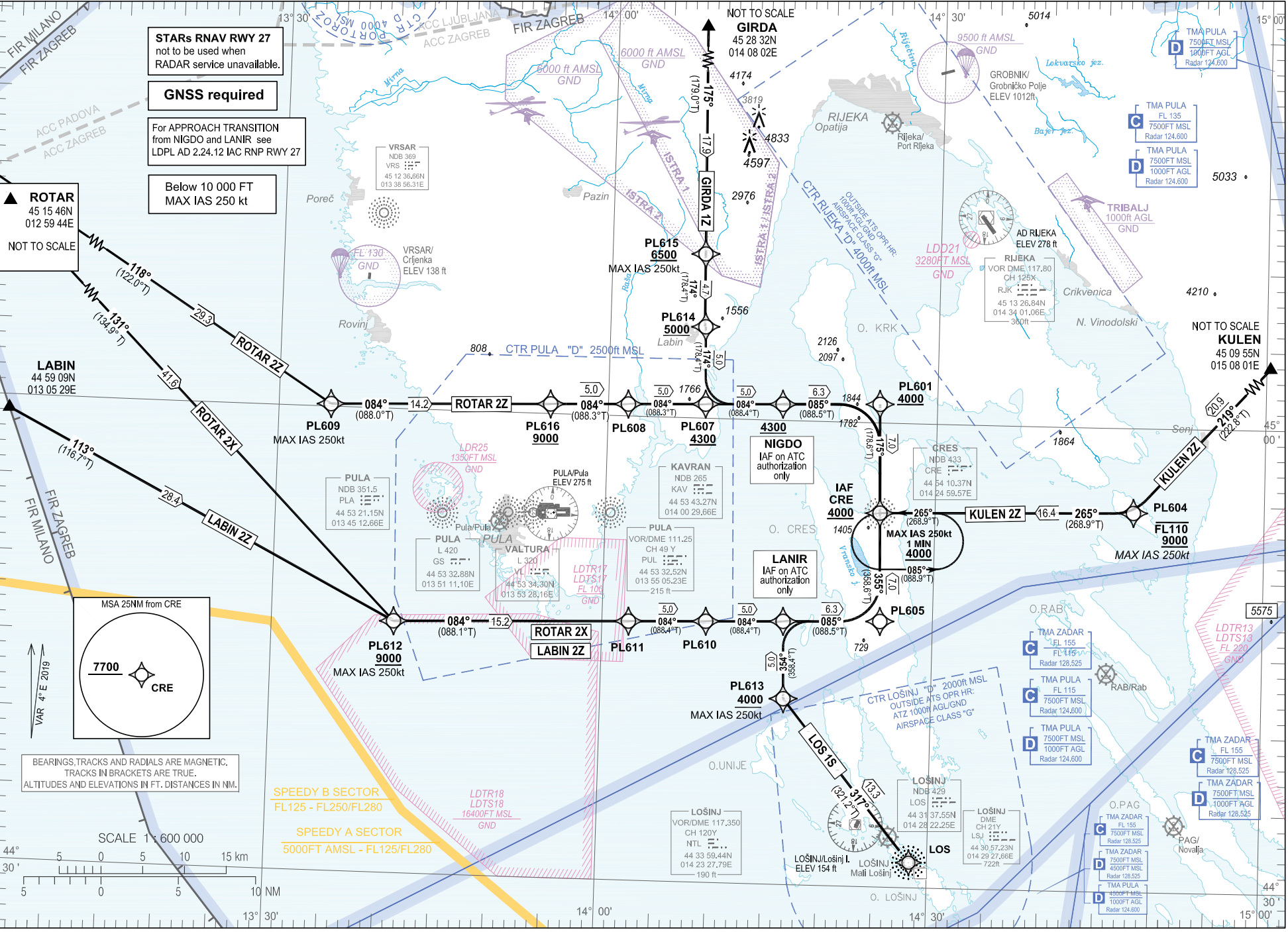
CHANGE: IAC title renamed; Editorial.

STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

PULA ATIS
PULA RADAR
PULA TOWER

PULA / Pula
CROATIA
RNAV RWY 27



CHANGE: IAC title renamed; Editorial.

PULA/ Pula
CROATIA

RNAV RWY 27

LDPL RNAV STANDARD ARRIVAL RWY 27												
Proposed tabular description for navigation database coding												
Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	ROTAR 2Z	IF	ROTAR	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	PL609	-	118° (122.0°T)	4.00°E	29.3	-	-	-250	-	
030		TF	PL616	-	084° (088.0°T)	4.00°E	14.2	-	+9000	-	-	
040		TF	PL608	-	084° (088.3°T)	4.00°E	5.0	-	-	-	-	
050		TF	PL607	-	084° (088.3°T)	4.00°E	5.0	-	+4300	-	-	
060		TF	NIGDO	-	084° (088.4°T)	4.00°E	5.0	-	+4300	-	IAF on ATC authorization only	
070		TF	PL601	-	085° (088.5°T)	4.00°E	6.3	-	+4000	-	-	
080		TF	CRE	-	175° (178.6°T)	4.00°E	7.0	-	+4000	-	IAF	
010	GIRDA 1Z	IF	GIRDA	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	PL615	-	175° (179.0°T)	4.00°E	17.9	-	+6500	-250	-	
030		TF	PL614	-	174° (178.4°T)	4.00°E	4.7	-	+5000	-	-	
040		TF	PL607	-	174° (178.4°T)	4.00°E	5.0	-	+4300	-	-	
050		TF	NIGDO	-	084° (088.4°T)	4.00°E	5.0	-	+4300	-	IAF on ATC authorization only	
060		TF	PL601	-	085° (088.5°T)	4.00°E	6.3	-	+4000	-	-	
070		TF	CRE	-	175° (178.6°T)	4.00°E	7.0	-	+4000	-	IAF	
010	KULEN 2Z	IF	KULEN	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	PL604	-	219° (222.8°T)	4.00°E	20.9	-	-FL110 +9000	-250	-	
030		TF	CRE	-	265° (268.9°T)	4.00°E	16.4	-	+4000	-	IAF	
010	LOS 1S	IF	LOS	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	PL613	-	317° (321.2°T)	4.00°E	13.3	-	+4000	-250	-	
030		TF	LANIR	-	354° (358.4°T)	4.00°E	5.0	-	-	-	IAF on ATC authorization only	
040		TF	PL605	-	085° (088.5°T)	4.00°E	6.3	-	-	-	-	
050		TF	CRE	-	355° (358.6°T)	4.00°E	7.0	-	+4000	-	IAF	

CHANGE: IAC title renamed; Editorial.

LDPL RNAV STANDARD ARRIVAL RWY 27

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	LABIN 2Z	IF	LABIN	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	PL612	-	113° (116.7°T)	4.00°E	28.4	-	+9000	-250	-	
030		TF	PL611	-	084° (088.1°T)	4.00°E	15.2	-	-	-	-	
040		TF	PL610	-	084° (088.4°T)	4.00°E	5.0	-	-	-	-	
050		TF	LANIR	-	084° (088.4°T)	4.00°E	5.0	-	-	-	IAF on ATC authorization only	
060		TF	PL605	-	085° (088.5°T)	4.00°E	6.3	-	-	-	-	
070		TF	CRE	-	355° (358.6°T)	4.00°E	7.0	-	+4000	-	IAF	
010	ROTAR 2X	IF	ROTAR	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	PL612	-	131° (134.9°T)	4.00°E	41.6	-	+9000	-250	-	
030		TF	PL611	-	084° (088.1°T)	4.00°E	15.2	-	-	-	-	
040		TF	PL610	-	084° (088.4T)	4.00°E	5.0	-	-	-	-	
050		TF	LANIR	-	084° (088.4°T)	4.00°E	5.0	-	-	-	IAF on ATC authorization only	
060		TF	PL605	-	085° (088.5°T)	4.00°E	6.3	-	-	-	-	
070		TF	CRE	-	355° (358.6°T)	4.00°E	7.0	-	+4000	-	IAF	

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

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
CRE	HM	265° (268.9°T)	1MIN / -	L	4000	-	250	4.00°E	-	RNAV 1

CHANGE: IAC title renamed; Editorial.

PULA/ Pula

CROATIA

RNAV RWY 27

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

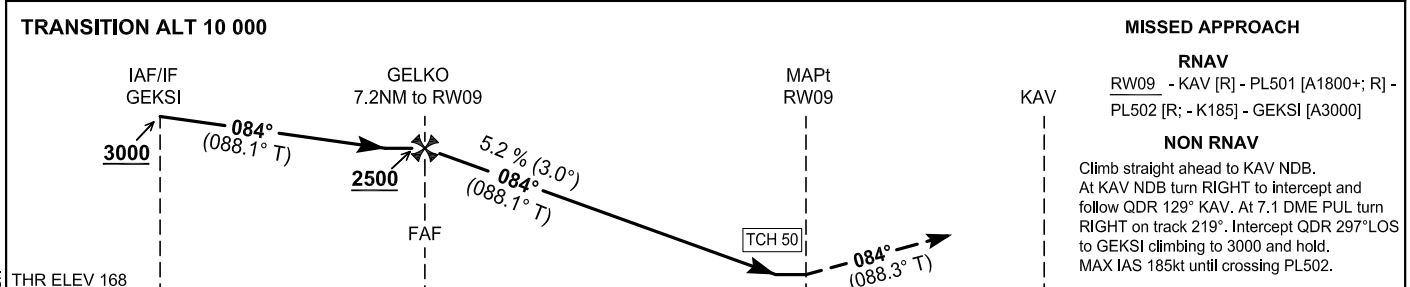
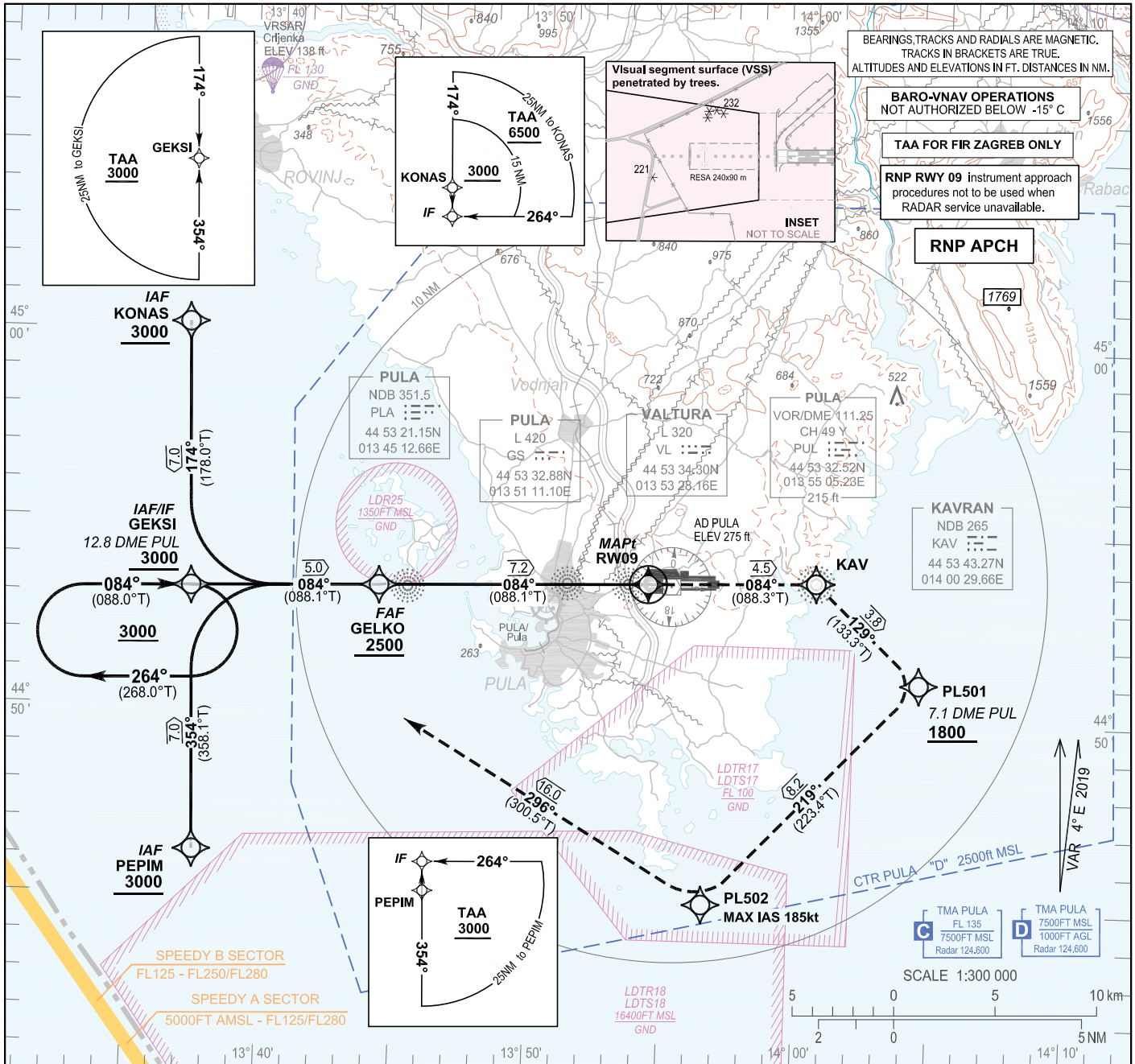
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 275
HEIGHTS RELATED
TO THR 09 ELEV 168

SBAS
CH: 87881
E09A

PULA ATIS 129.150
PULA RADAR 124.600
PULA TOWER 132.000

PULA / Pula
CROATIA
RNP RWY 09



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

DIST THR / RW09	NM	7	6	5	4	3	2	1
Altitude	ft	2450	2130	1810	1490	1170	850	540
Timing not authorized for defining the MAPt								
GS	kt	80	100	120	140	160	180	
GELKO - RW09 (7.2NM)	min:sec	5:23	4:18	3:35	3:04	2:41	2:23	
Rate of descent (5.2%)	ft/min	425	531	637	743	849	955	

CHANGE: Chart title: Page number.

PULA / Pula
CROATIA
RNP RWY 09

Coding elements for FAS Data Block

Input data

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

Output data

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

Required Additional Data

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

LDPL RNP RWY09

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	PEPIM	-	-	4.00°E	-	-	+3000	-	-	-	RNP APCH
020	IF	TF	GEKSI	-	354° (358.1°T)	4.00°E	7.0	-	+3000	-	-	-	RNP APCH
010	IAF / IF	IF	GEKSI	-	-	4.00°E	-	-	+3000	-	-	-	RNP APCH
010	IAF	IF	KONAS	-	-	4.00°E	-	-	+3000	-	-	-	RNP APCH
020	IF	TF	GEKSI	-	174° (178.0°T)	4.00°E	7.0	-	+3000	-	-	-	RNP APCH

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	GEKSI	-	-	4.00°E	-	-	+3000	-	-	-	RNP APCH
020	FAF	TF	GELKO	-	084° (088.1°T)	4.00°E	5.0	-	+2500	-	-	-	
030	MAPt	TF	RW09	Y	084° (088.1°T)	4.00°E	7.2	-	-	-	3.0 / 50.0	-	
040	-	TF	KAV	-	084° (088.3°T)	4.00°E	4.5	-	-	-	-	-	
050	-	TF	PL501	-	129° (133.3°T)	4.00°E	3.8	-	+1800	-	-	-	
060	-	TF	PL502	-	219° (223.4°T)	4.00°E	8.2	R	-	-185	-	-	
070	MAHF	TF	GEKSI	-	296° (300.5°T)	4.00°E	16.0	-	3000	-	-	-	
080	MAHF	HM	GEKSI	-	084° (088.0°T)	4.00°E	1MIN	R	3000	-	-	Holding above 3000ft 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
GEKSI	HM	084° (088.0°T)	1MIN / -	R	3000	-	-	4°E	-	RNAV 1

Waypoint coordinates

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

CHANGE: Chart title: Page number.

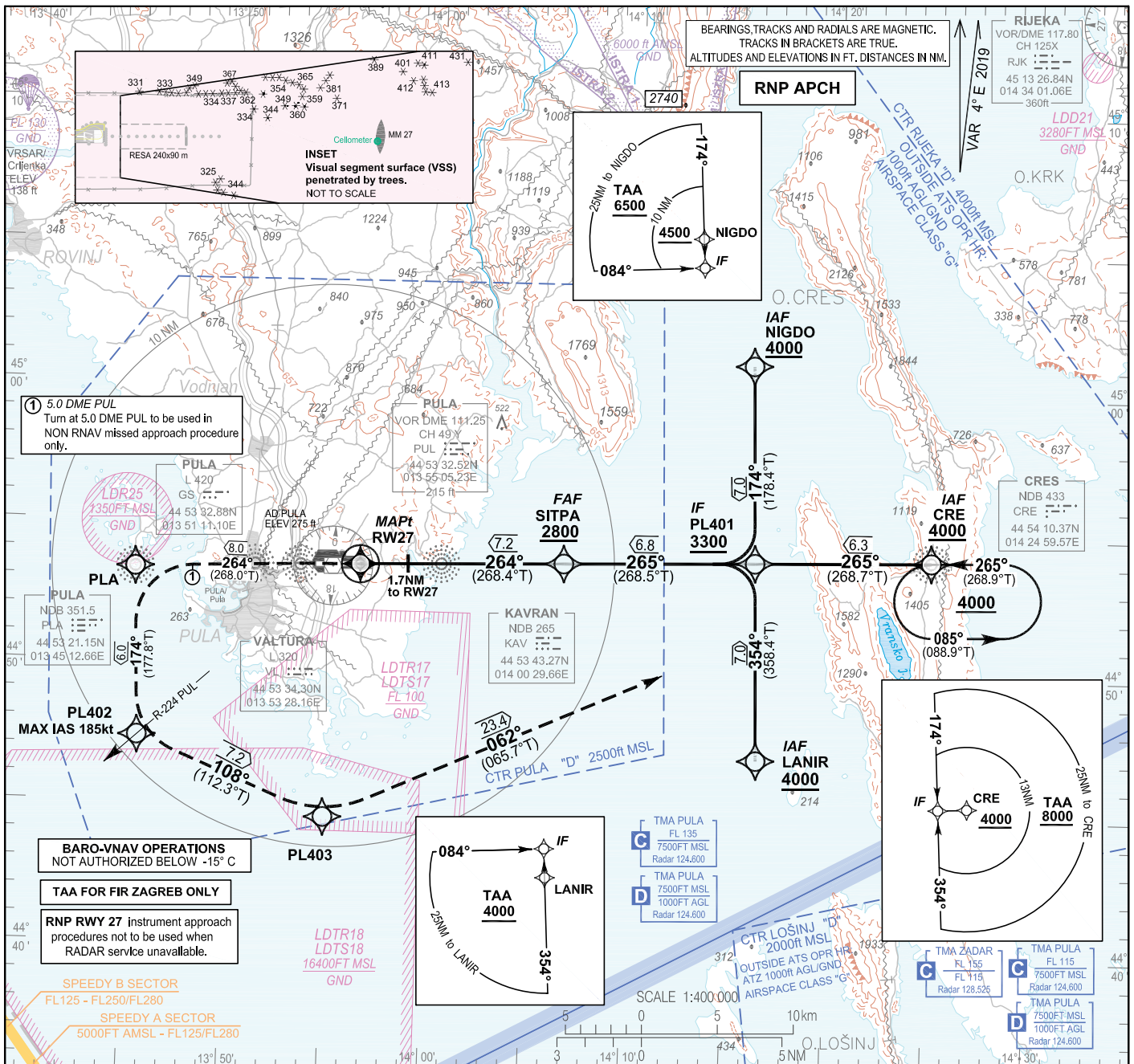
OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA
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INSTRUMENT APPROACH
CHART-ICAO

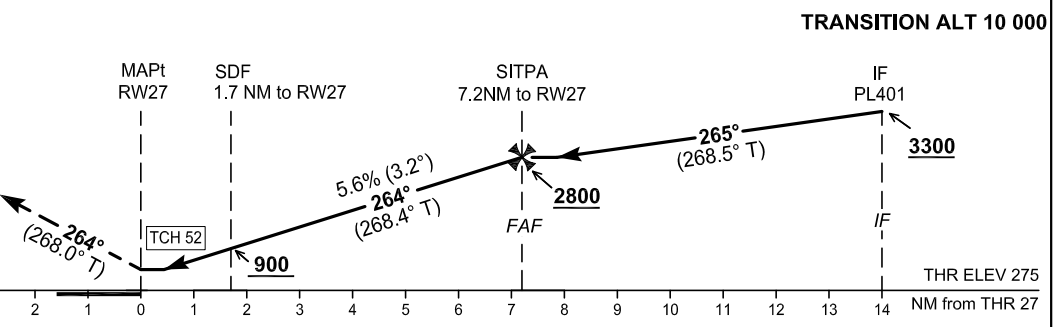
AD ELEV 275
HEIGHTS RELATED
TO THR 27 ELEV 275

SBAS	PULA ATIS	129.150
CH: 84565	PULA RADAR	124.600
E27A	PULA TOWER	132.000

PULA / Pula
CROATIA
RNP RWY 27



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



DIST THR / RW27	NM	7	6	5	4	3	2	1
Altitude	ft	2700	2360	2020	1680	1340	1000	660
Timing not authorized for defining the MAPt								
GS	kt	80	100	120	140	160	180	
SITPA - RW27 (7.2NM)	min:sec	5:24	4:19	3:36	3:05	2:42	2:24	
Rate of descent (5.6%)	ft/min	454	567	681	794	907	1021	

CHANGE: Chart title: Page number:

PULA / Pula
CROATIA
RNP RWY 27

Coding elements for FAS Data Block

Input data

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

Output data

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

Required Additional Data

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

LDPL RNP RWY27

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	NIGDO	-	-	4.00°E	-	-	+4000	-	-	-	RNP APCH
020	IF	TF	PL401	-	174° (178.4°T)	4.00°E	7.0	-	+3300	-	-	-	
010	IAF	IF	CRE	-	-	4.00°E	-	-	+4000	-	-	-	RNP APCH
020	IF	TF	PL401	-	265° (268.7°T)	4.00°E	6.3	-	+3300	-	-	-	
010	IAF	IF	LANIR	-	-	4.00°E	-	-	+4000	-	-	-	RNP APCH
020	IF	TF	PL401	-	354° (358.4°T)	4.00°E	7.0	-	+3300	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	PL401	-	-	4.00°E	-	-	+3300	-	-	-	RNP APCH
020	FAF	TF	SITPA	-	265° (268.5°T)	4.00°E	6.8	-	+2800	-	-	-	
030	MAPt	TF	RW27	Y	264° (268.4°T)	4.00°E	7.2	-	-	-	3.2 / 52.0	-	
040	-	TF	PLA	-	264° (268.0°T)	4.00°E	8.0	-	-	-	-	-	
050	-	TF	PL402	-	174° (177.8°T)	4.00°E	6.0	L	-	-185	-	-	
060	-	TF	PL403	-	108° (112.3°T)	4.00°E	7.2	-	-	-	-	-	
070	MAHF	TF	CRE	-	062° (065.7°T)	4.00°E	23.4	-	4000	-	-	-	
080	MAHF	HM	CRE	-	265° (268.9°T)	4.00°E	1MIN	L	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
CRE	HM	265° (268.9°T)	1MIN / -	L	4000	-	-	4°E	-	RNAV 1

Waypoint coordinates

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

CHANGE: Chart title: Page number.

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LDRI AD 2.24 CHARTS RELATED TO AN AERODROME

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

Remark: All instrument approach procedures and all standard instrument departures (RWY14 and RWY32) are suspended outside ATS hours of service.

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STANDARD ARRIVAL CHART -
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

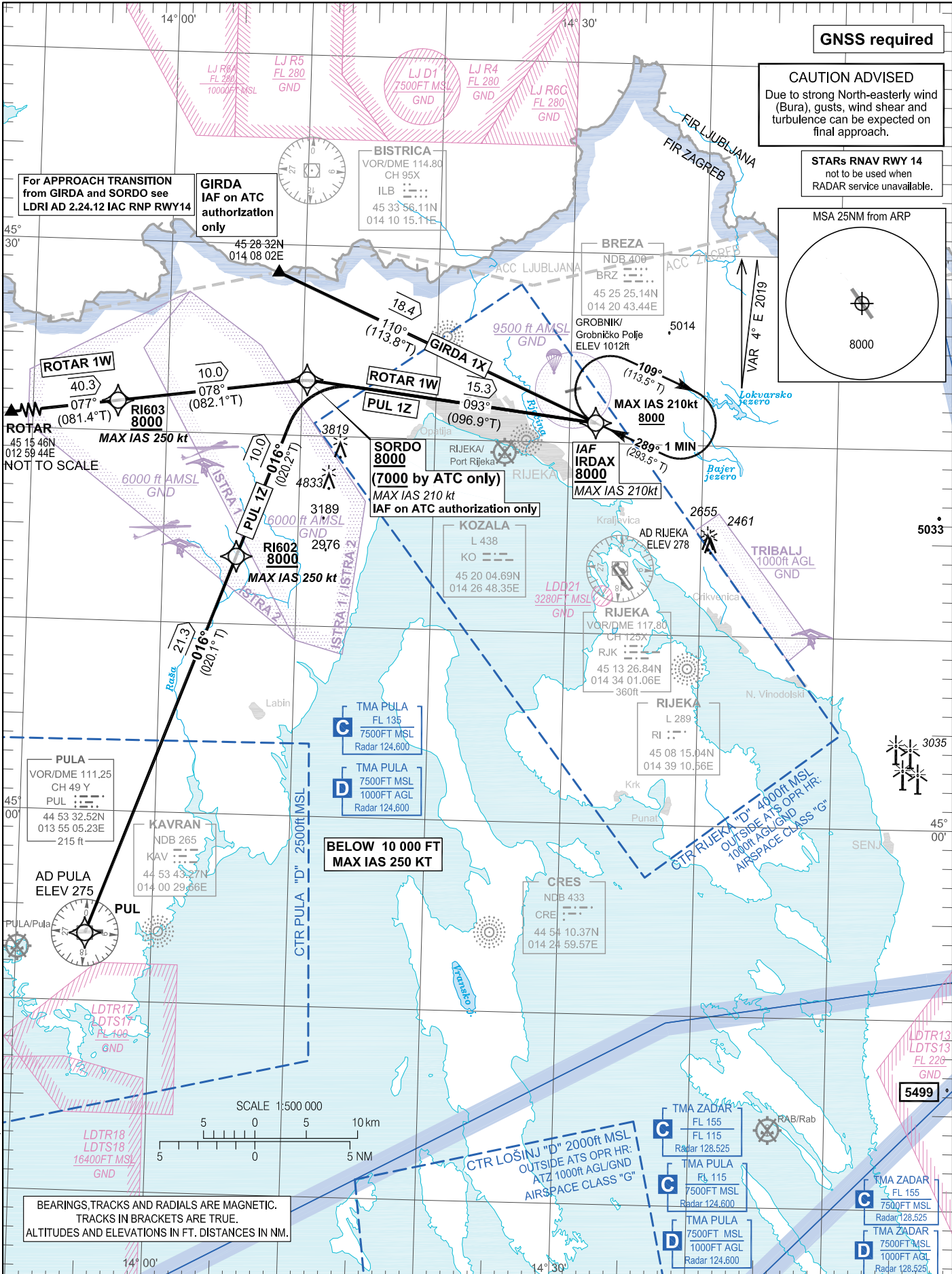
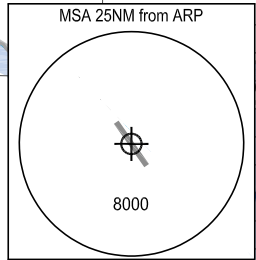
PULA RADAR 124.600
RIJEKA TOWER 119.000

RIJEKA / Krk I.
CROATIA
RNAV Rwy 14

GNSS required

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

STARs RNAV Rwy 14
not to be used when
RADAR service unavailable.



CHANGE: IAC title renamed: editorial

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

RIJEKA / Krk I.

CROATIA

RNAV RWY 14

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	ROTAR 1W	IF	ROTAR	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	RI603	-	077° (081.4°T)	4.00°E	40.3	-	+8000	-250	-	
030		TF	SORDO ⁽¹⁾	-	078° (082.1°T)	4.00°E	10.0	-	+8000 ⁽²⁾	-210	⁽¹⁾ IAF on ATC authorization only. ⁽²⁾ +7000 by ATC only.	
040		TF	IRDAX	-	093° (096.9°T)	4.00°E	15.3	-	+8000	-210	IAF	
010	GIRDA 1X	IF	GIRDA	-	-	4.00°E	-	-	-	-	IAF on ATC authorization only	RNAV 1
020		TF	IRDAX	-	110° (113.8°T)	4.00°E	18.4	-	+8000	-210	-	
010	PUL 1Z	IF	PUL	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	RI602	-	016° (020.1°T)	4.00°E	21.3	-	+8000	-250	-	
030		TF	SORDO ⁽³⁾	-	016° (020.2°T)	4.00°E	10.0	-	+8000 ⁽⁴⁾	-210	⁽³⁾ IAF on ATC authorization only. ⁽⁴⁾ +7000 by ATC only.	
040		TF	IRDAX	-	093° (096.9°T)	4.00°E	15.3	-	+8000	-210	IAF	

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

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
IRDAX	HM	289° (293.5°T)	1 MIN / -	R	8000	-	210	4.00°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
GIRDA	452832N	0140802E
ROTAR	451546N	0125944E
IRDAX	452103.8N	0143157.0E
SORDO	452255.7N	0141021.7E
PUL	445332.52N	0135505.23E
RI602	451333.0N	0140527.5E
RI603	452133.8N	0135618.7E

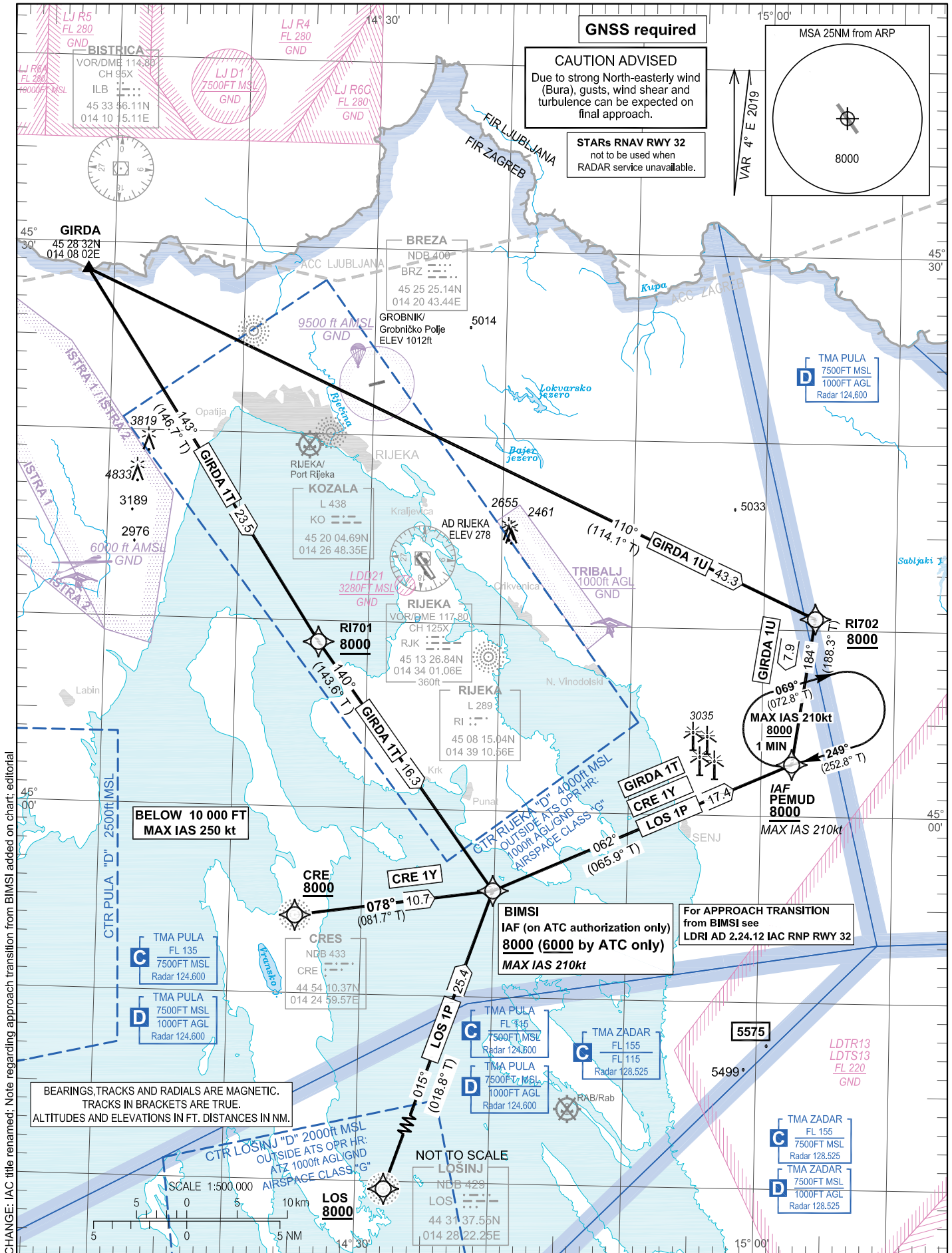
CHANGE: IAC title renamed: editorial

STANDARD ARRIVAL CHART -
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

PULA RADAR 124.600
RIJEKA TOWER 119.000

RIJEKA / Krk I.
CROATIA
RNAV RWY 32



RIJEKA / Krk I.

CROATIA

RNAV RWY 32

LDRI RNAV STANDARD ARRIVAL RWY 32

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	GIRDA 1U	IF	GIRDA	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	RI702	-	110° (114.1°T)	4.00°E	43.3	-	+8000	-	-	
030		TF	PEMUD	-	184° (188.3°T)	4.00°E	7.9	-	+8000	-210	IAF	
010	LOS 1P	IF	LOS	-	-	4.00°E	-	-	+8000	-	-	RNAV 1
020		TF	BIMSI ⁽¹⁾	-	015° (018.8°T)	4.00°E	25.4	-	+8000 ⁽²⁾	-210	⁽¹⁾ IAF on ATC authorization only. ⁽²⁾ +6000 by ATC only.	
030		TF	PEMUD	-	062° (065.9°T)	4.00°E	17.4	-	+8000	-210	IAF	
010	CRE 1Y	IF	CRE	-	-	4.00°E	-	-	+8000	-	-	RNAV 1
020		TF	BIMSI ⁽³⁾	-	078° (081.7°T)	4.00°E	10.7	-	+8000 ⁽⁴⁾	-210	⁽³⁾ IAF on ATC authorization only. ⁽⁴⁾ +6000 by ATC only.	
030		TF	PEMUD	-	062° (065.9°T)	4.00°E	17.4	-	+8000	-210	IAF	
010	GIRDA 1T	IF	GIRDA	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	RI701	-	143° (146.7°T)	4.00°E	23.5	-	+8000	-	-	
030		TF	BIMSI ⁽⁵⁾	-	140° (143.6°T)	4.00°E	16.3	-	+8000 ⁽⁶⁾	-210	⁽⁵⁾ IAF on ATC authorization only. ⁽⁶⁾ +6000 by ATC only.	
040		TF	PEMUD	-	062° (065.9°T)	4.00°E	17.4	-	+8000	-210	IAF	

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

RNAV HOLDING tabular description

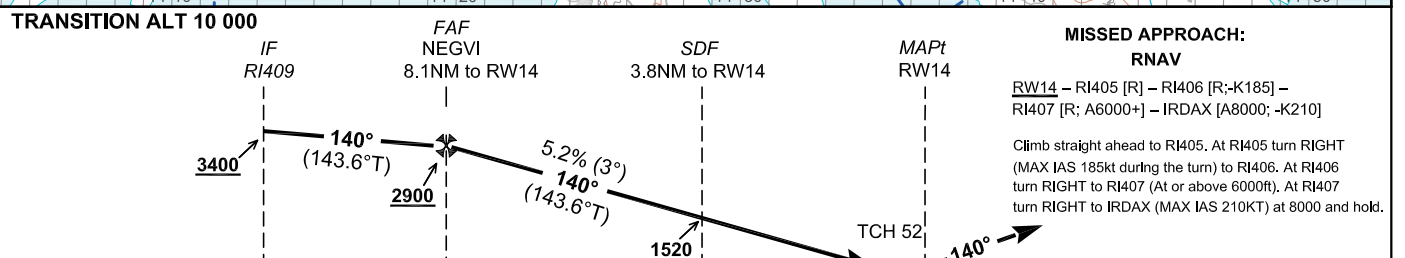
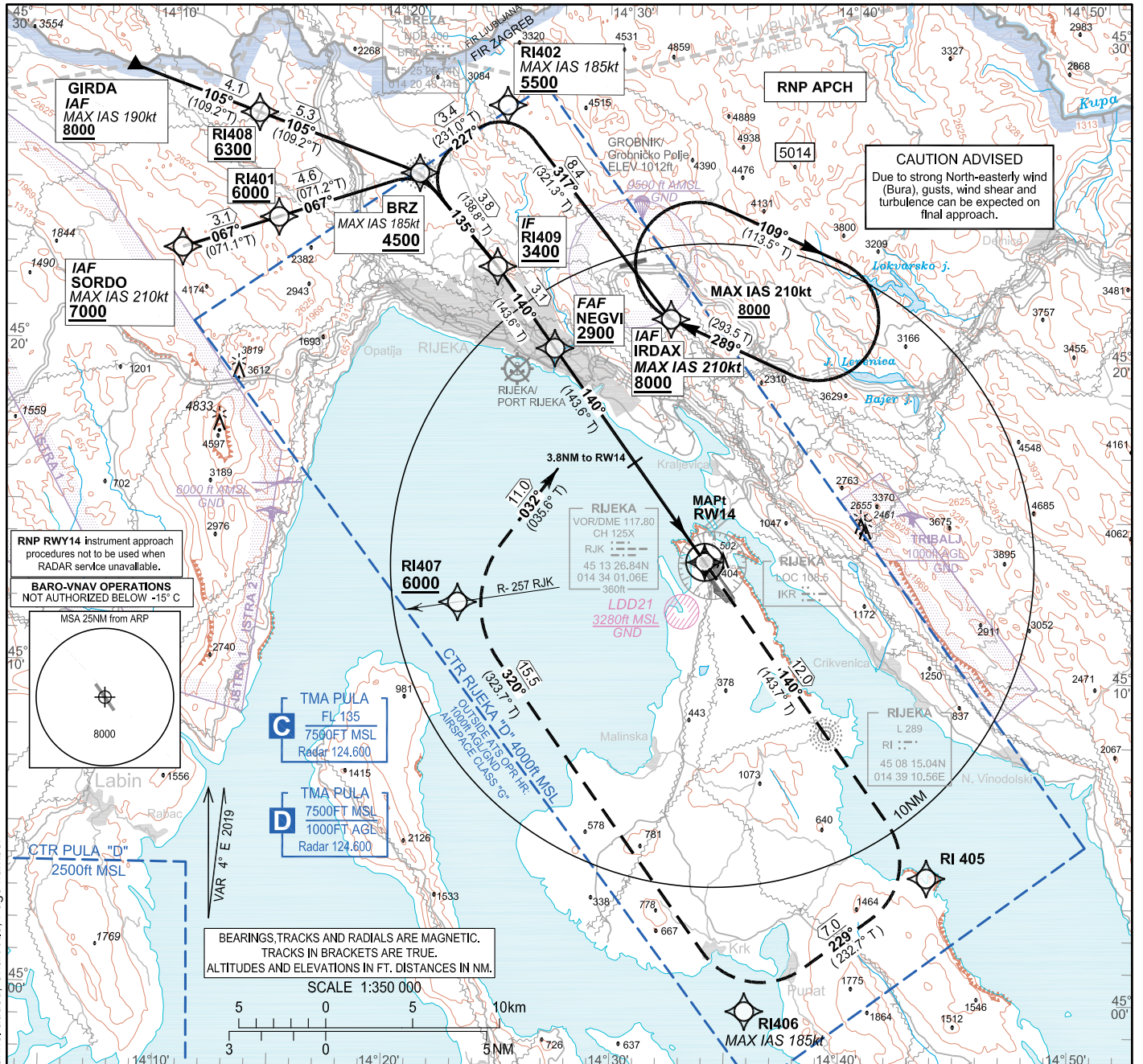
Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
PEMUD	HM	249° (252.8°T)	1 MIN / -	R	8000	-	210	4.00°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
GIRDA	452832N	0140802E
BIMSI	445542.4N	0143954.3E
PEMUD	450247.1N	0150218.3E
CRE	445410.37N	0142459.57E
LOS	443137.55N	0142822.25E
RI701	450851.5N	0142616.2E
RI702	451036.3N	0150354.7E

CHANGE: IAC title renamed. Note regarding approach transition from BIMSI added on chart; editorial

INSTRUMENT APPROACH CHART-ICAO
AD ELEV 278
HEIGHTS RELATED TO THR 14 ELEV 264
SBAS CH: 42220 E14A
PULA RADAR 124.600
RIJEKA TOWER 119.000
RIJEKA / Krk I. CROATIA RNP RWY 14



THR ELEV 264
NM to/from THR 14

OCA(H)		A	B	C	D
Straight-in approach	LNAV	730 (466)			
	LNAV/VNAV	640 (376)	650 (386)	660 (396)	670 (406)
	LPV	640 (376)	650 (386)	660 (396)	670 (406)
Circling		820 (550)	910 (640)	1320 (1050)	

Altitude related to descent gradient of 5.2%						
DIST THR / RW14	NM	7	6	5	4	3
Altitude	ft	2540	2220	1910	1590	1270
NEGVI TO RW14 DISTANCE 8.12NM						
GS (kt)	80	100	120	140	160	180
min:sec	6:05	4:52	4:04	3:29	3:03	2:42
Rate of descent (5.2%) (ft/min)	425	531	637	743	849	955

MAPt at RW14
TIMING NOT AUTHORIZED FOR DEFINING THE MAPt

NOTE: Circling for ACFT CAT B, C and D NE of aerodrome NA

CHANGE: LPV OCA(H) minima added; SBAS channel added; FAS data block added; Chart title; Page number.

RIJEKA / Krk I.
CROATIA
RNP RWY 14

Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDRI
Runway	14
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E14A
LTP/FTP Latitude	451332.3610N
LTP/FTP Longitude	0143341.1580E
LTP/FTP Ellipsoidal Height (metres)	124.9
FPAP Latitude	451227.4075N
Delta FPAP Latitude (seconds)	-64.9535
FPAP Longitude	0143448.7030E
Delta FPAP Longitude (seconds)	67.5450
Threshold Crossing Height	52.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 09 12 04 0C 0E 00 00 01 34 31 05 92 A3 68 13 4C C4 3F 06 E1 18 8D 04 FE B2 0F 02 08 02 2C 01 64 00 C8 FA 1E 38 B9 AC
Calculated CRC Value	1E38B9AC

Required Additional Data

ICAO Code	LD
LTP/FTP Orthometric Height (metres)	80.6

CHANGE: LPV OCA(H) minima added; FAS data block added; SBAS channel added; Chart title; Page number.

LDRI RNP RWY 14

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	SORDO	-	-	4.00°E	-	-	+7000	-210	-	-	RNP APCH
020	-	TF	RI401	-	067° (071.1° T)	4.00°E	3.1	-	+6000	-	-	-	
030	-	TF	BRZ	-	067° (071.2° T)	4.00°E	4.6	-	+4500	-185	-	-	
040	IF	TF	RI409	-	135° (138.8° T)	4.00°E	3.8	-	+3400	-	-	-	
010	IAF	IF	GIRDA	-	-	4.00°E	-	-	+8000	-190	-	-	RNP APCH
020	-	TF	RI408	-	105° (109.2° T)	4.00°E	4.1	-	+6300	-	-	-	
030	-	TF	BRZ	-	105° (109.2° T)	4.00°E	5.3	-	+4500	-185	-	-	
040	IF	TF	RI409	-	135° (138.8° T)	4.00°E	3.8	-	+3400	-	-	-	
010	IAF	IF	IRDAX	-	-	4.00°E	-	-	+8000	-210	-	-	RNP APCH
020	-	TF	RI402	-	317° (321.3° T)	4.00°E	8.4	-	+5500	-185	-	-	
030	-	TF	BRZ	-	227° (231.0° T)	4.00°E	3.4	L	+4500	-	-	-	
040	IF	TF	RI409	-	135° (138.8° T)	4.00°E	3.8	-	+3400	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	RI409	-	-	4.00°E	-	-	+3400	-	-	-	RNP APCH
020	FAF	TF	NEGVI	-	140° (143.6° T)	4.00°E	3.1	-	+2900	-	-	-	
030	MAPt	TF	RW14	Y	140° (143.6° T)	4.00°E	8.1	-	-	-	3.0 / 52.0	-	
040	-	CF	RI405	-	140° (143.7° T)	4.00°E	12.0	-	-	-	-	-	
050	-	TF	RI406	-	229° (232.7° T)	4.00°E	7.0	R	-	-185	-	-	
060	-	TF	RI407	-	320° (323.7° T)	4.00°E	15.5	R	+6000	-	-	-	
070	MAHF	TF	IRDAX	-	032° (035.6° T)	4.00°E	11.0	-	8000	-210	-	-	
080	MAHF	HM	IRDAX	-	289° (293.5° T)	4.00°E	1MIN	R	8000	-210	-	Holding above 8000ft 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
IRDAX	HM	289° (293.5° T)	1MIN / -	R	8000	-	210KT	4°E	-	RNAV 1

CHANGE: LPV OCA(H) minima added; FAS data block added; SBAS channel added; Chart title; Page number.

RIJEKA / Krk I.
CROATIA
RNP RWY 14

Waypoint coordinates		
Waypoint name	wgs-84 latitude	wgs-84 longitude
GIRDA	452832N	0140802E
IRDAX	452103.8N	0143157.0E
NEGVI	452004.7N	0142652.0E
SORDO	452255.7N	0141021.7E
BRZ	452525.14N	0142043.44E
RW14	451332.36N	0143341.16E
RI401	452356.5N	0141434.0E
RI402	452735.4N	0142431.6E
RI405	450351.7N	0144342.9E
RI406	445937.0N	0143552.0E
RI407	451207.2N	0142251.9E
RI408	452710.5N	0141335.3E
RI409	452234.4N	0142415.3E

CHANGE: LPV OCA(H) minima added; FAS data block added; SBAS channel added; Chart title; Page number.

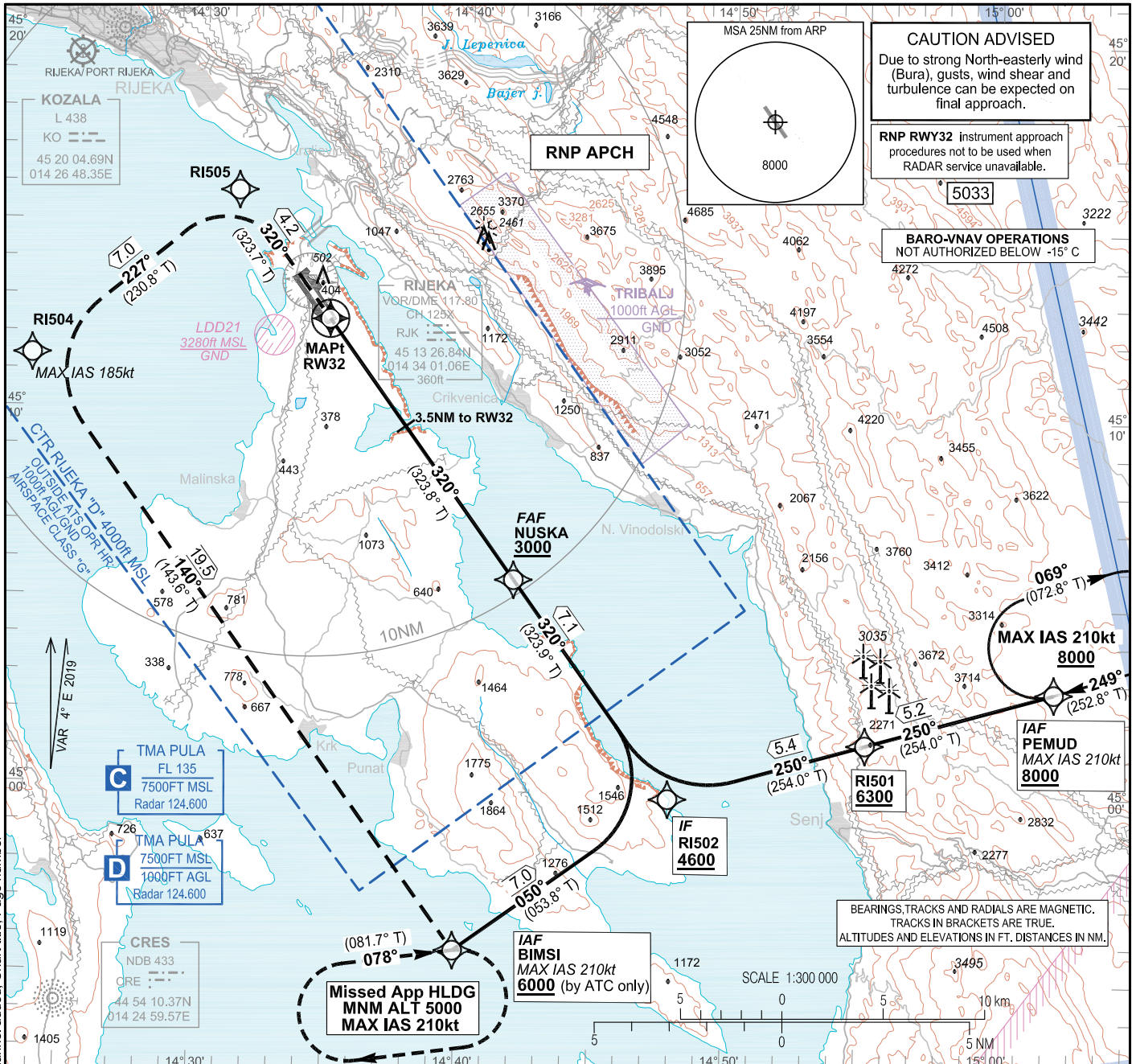
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 278
HEIGHTS RELATED
TO THR 32 ELEV 246

SBAS
CH: 44289
E32A

PULA RADAR 124.600
RIJEKA TOWER 119.000

RIJEKA / Krk I.
CROATIA
RNP RWY 32

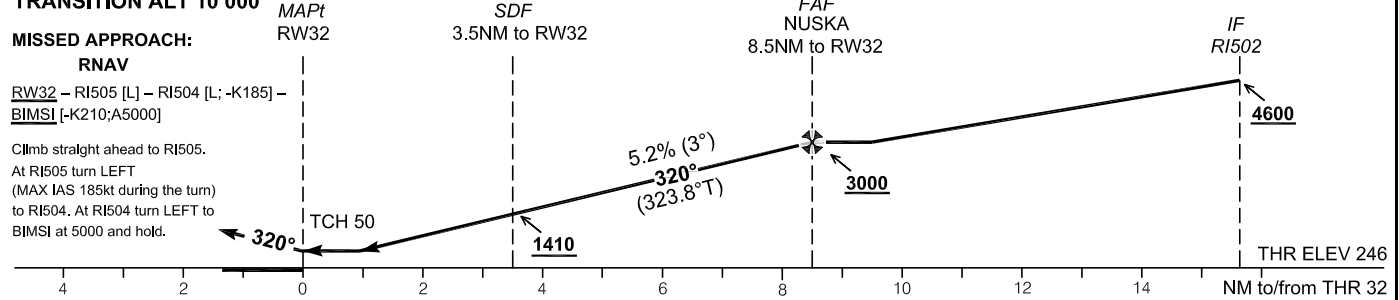


TRANSITION ALT 10 000

MISSED APPROACH:

RNAV
RW32 - RI505 [L] - RI504 [L; -K185] -
BIMSI [-K210; A5000]

Climb straight ahead to RI505.
At RI505 turn LEFT
(MAX IAS 185kt during the turn)
to RI504. At RI504 turn LEFT to
BIMSI at 5000 and hold.



OCA(H)		A	B	C	D
Straight-in approach	LNAV	680 (434)			
	LNAV/VNAV	640 (394)	650 (404)	660 (414)	670 (424)
	LPV	640 (394)	650 (404)	660 (414)	670 (424)
Circling		820 (550)	910 (640)	1320 (1050)	

Altitude related to descent gradient of 5.2%							
DIST THR / RW14	NM	8	7	6	5	4	3
Altitude	ft	2840	2520	2210	1890	1570	1250
NUSKA TO RW32 DISTANCE 8.49NM							
GS (kt)	80	100	120	140	160	180	
min:sec	6:22	5:06	4:15	3:38	3:11	2:50	
Rate of descent (5.2%) (ft/min)	425	531	637	743	849	955	
MAPt at RW32	TIMING NOT AUTHORIZED FOR DEFINING THE MAPt						

NOTE: Circling for ACFT CAT B, C and D NE of aerodrome NA

CHANGE: LPV OCA(H) minima added; SBAS data block added; SBAS channel added; Chart title; Page number

RIJEKA / Krk I.
CROATIA
RNP RWY 32

Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDRI
Runway	32
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E32A
LTP/FTP Latitude	451227.4075N
LTP/FTP Longitude	0143448.7030E
LTP/FTP Ellipsoidal Height (metres)	119.1
FPAP Latitude	451332.3610N
Delta FPAP Latitude (seconds)	64.9535
FPAP Longitude	0143341.1580E
Delta FPAP Longitude (seconds)	-67.5450
Threshold Crossing Height	50.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 09 12 04 0C 20 00 00 01 32 33 05 1F A8 66 13 FE D3 41 06 A7 18 73 FB 01 4E F0 FD F4 01 2C 01 64 00 C8 FA 17 74 39 4A
Calculated CRC Value	1774394A

Required Additional Data

ICAO Code	LD
LTP/FTP Orthometric Height (metres)	75.0

CHANGE: LPV OCA(H) minima added; FAS data block added; SBAS channel added; Chart title; Page number.

LDRI RNP RWY 32

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	PEMUD	-	-	4.00°E	-	-	+8000	-210	-	-	RNP APCH
020	-	TF	RI501	-	250° (254.0° T)	4.00°E	5.2	-	+6300	-	-	-	
030	IF	TF	RI502	-	250° (254.0° T)	4.00°E	5.4	-	+4600	-	-	-	
010	IAF	IF	BIMSI	-	-	4.00°E	-	-	+5000	-210	-	-	RNP APCH
020	IF	TF	RI502	-	050° (053.8° T)	4.00°E	7.0	-	+4600	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	RI502	-	-	4.00°E	-	-	+4600	-	-	-	RNP APCH
020	FAF	TF	NUSKA	-	320° (323.9° T)	4.00°E	7.1	-	+3000	-	-	-	
030	MAPt	TF	RW32	Y	320° (323.8° T)	4.00°E	8.5	-	-	-	3.0 / 50.0	-	
040	-	CF	RI505	-	320° (323.7° T)	4.00°E	4.2	-	-	-	-	-	
050	-	TF	RI504	-	227° (230.8° T)	4.00°E	7.0	L	-	-185	-	-	
060	MAHF	TF	BIMSI	-	140° (143.6° T)	4.00°E	19.5	L	5000	-210	-	-	
070	MAHF	HM	BIMSI	-	078° (081.7° T)	4.00°E	1MIN	R	5000	-210	-	Holding above 5000ft on ATC clearance only	

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
PEMUD	HM	249°	1MIN /	R	8000	-	210KT	4°E	-	RNAV 1
		(252.8° T)	-							
BIMSI	HM	078°	1MIN /	R	5000	-	210KT	4°E	-	RNAV 1
		(081.7° T)	-							

Waypoint coordinates

Waypoint name	wgs-84 latitude	wgs-84 longitude
BIMSI	445542.4N	0143954.3E
NUSKA	450536.6N	0144154.7E
PEMUD	450247.1N	0150218.3E
RW32	451227.41N	0143448.70E
RI501	450120.9N	0145514.1E
RI502	445950.4N	0144751.7E
RI504	451124.1N	0142337.0E
RI505	451550.4N	0143117.4E

CHANGE: LPV OCA(H) minima added; FAS data block added; SBAS channel added; Chart title; Page number.

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

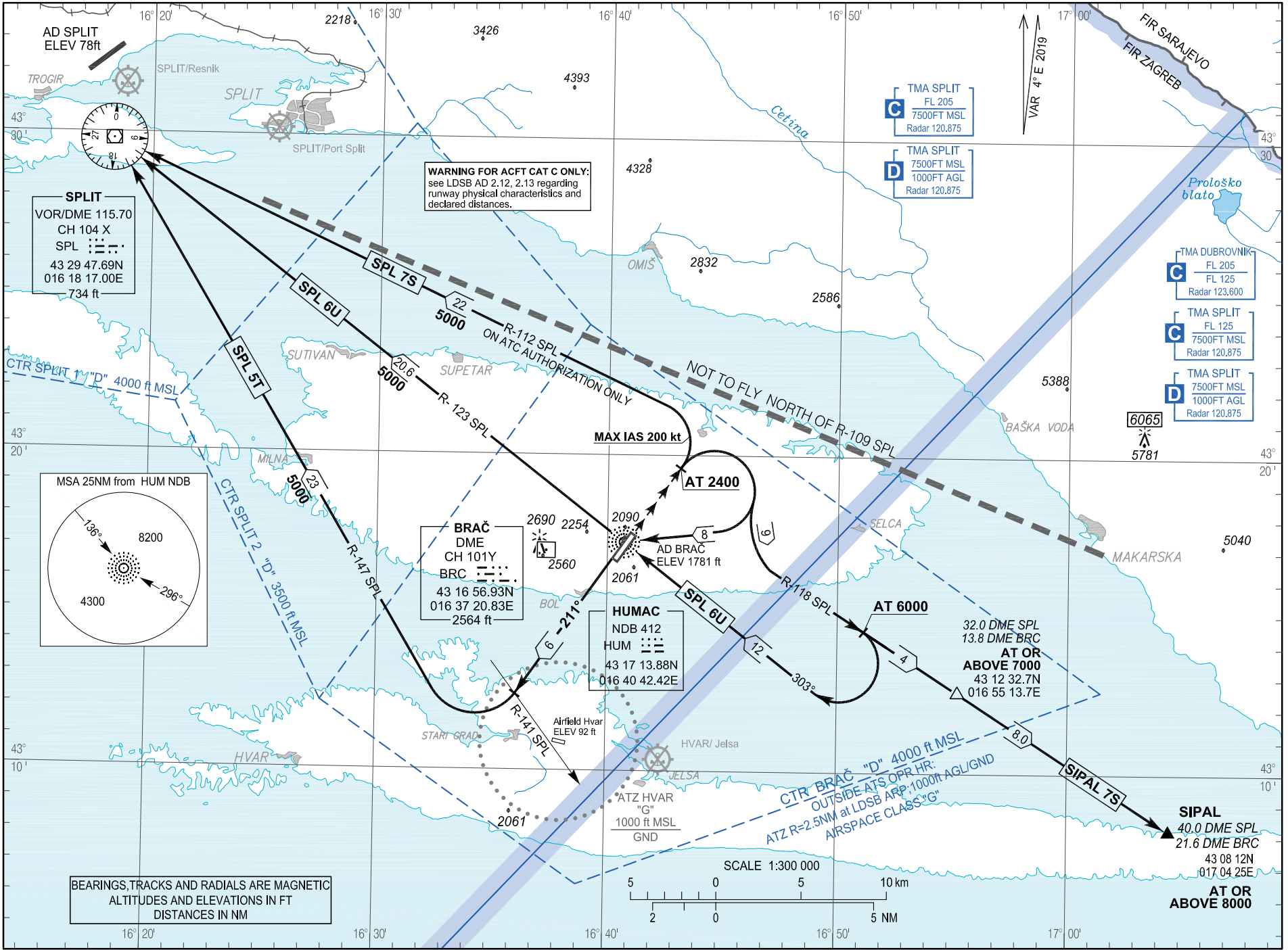
TRANSITION ALTITUDE
10 000

BRAČ TOWER
118,025

SPLIT RADAR
120,875

BRAČ / Brač I.
CROATIA
ACFT CAT A / B & C RWY04

CHANGE: Special aeras for NATO operations withdrawn; BRC DME Latitude corrected; editorial.



OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA
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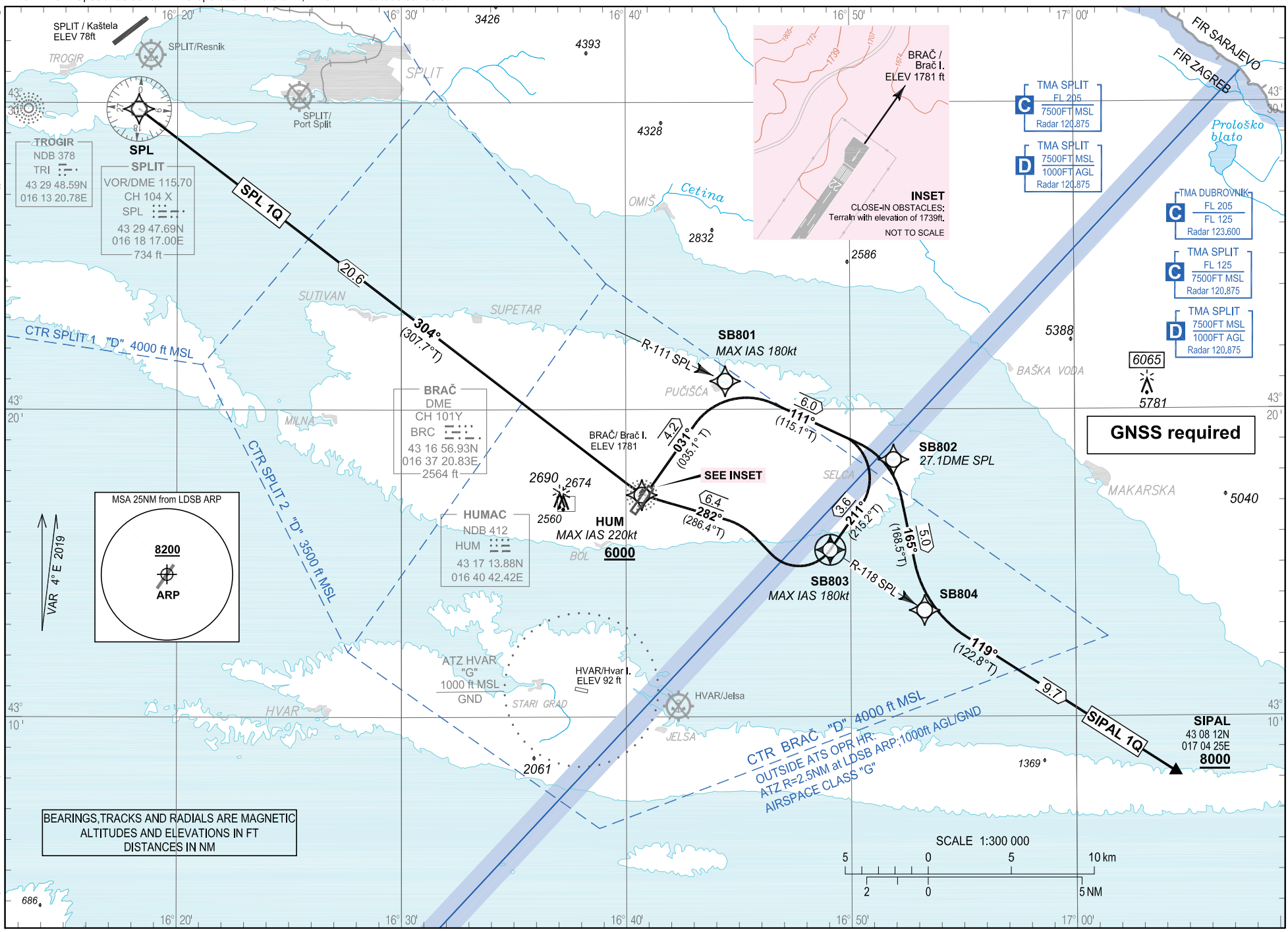
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

BRAČ
TOWER 118.025
SPLIT
RADAR 120.875

BRAČ / Brač I.
CROATIA
RNAV RMY 04

CHANGE: Special aerias for NATO operations withdrawn; BRC DME Latitude corrected.



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

**BRAČ / Brač I.
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.

CAUTION regarding close-in obstacle: terrain with elevation of 530m (1739ft) on lateral distance of approximately 150m (0.08NM) NorthWest and abeam of the departure end of the RWY04 (See inset on the SID RNAV RWY04 chart).

WARNING

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

Climb straight ahead to intercept and follow R-111 SPL. At 27.1 DME SPL turn RIGHT climbing on track 211°. When on track 211° and at or above 4300 FT AMSL proceed via RNAV SID SPL 1Q or according to ATC instruction. MNM PDG 3.8% (231 FT/NM).

LDSB RNAV STANDARD INSTRUMENT DEPARTURE RWY 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 1Q	CF	SB801	-	031° (035.1°T)	4.00°E	4.2	-	-	-	MNM PDG 3.8% (231 FT/NM) to 6000 FT AMSL	RNAV 1
020		TF	SB802	-	111° (115.1°T)	4.00°E	6.0	-	-	-		
030		TF	SB803	Y	211° (215.2°T)	4.00°E	3.6	R	-	-180		
040		TF	HUM		282° (286.4°T)	4.00°E	6.4	-	+6000	-220		
050		TF	SPL	-	304° (307.7°T)	4.00°E	20.6	-	-	-		

WARNING

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

Climb straight ahead to intercept and follow R-111 SPL. At 27.1 DME SPL turn RIGHT climbing on track 165°. When on track 165° and at or above 4300 FT AMSL proceed via RNAV SID SIPAL 1Q or according to ATC instruction. MNM PDG 3.8% (231 FT/NM).

LDSB RNAV STANDARD INSTRUMENT DEPARTURE RWY 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	SIPAL 1Q	CF	SB801	-	031° (035.1°T)	4.00°E	4.2	-	-	-180	MNM PDG 3.8% (231 FT/NM) to 6000 FT AMSL	RNAV 1
020		TF	SB802	-	111° (115.1°T)	4.00°E	6.0	-	-	-		
030		TF	SB804	-	165° (168.5°T)	4.00°E	5.0	-	-	-		
040		TF	SIPAL	-	119° (122.8°T)	4.00°E	9.7	-	+8000	-		

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
SIPAL	430812N	0170425E
HUM	431713.88N	0164042.42E
SPL	432947.69N	0161817.00E
SB801	432055.8N	0164425.8E
SB802	431821.9N	0165155.2E
SB803	431526.1N	0164905.4E
SB804	431327.8N	0165316.8E

CHANGE: Special aeras for NATO operations withdrawn; BRC DME Latitude corrected.

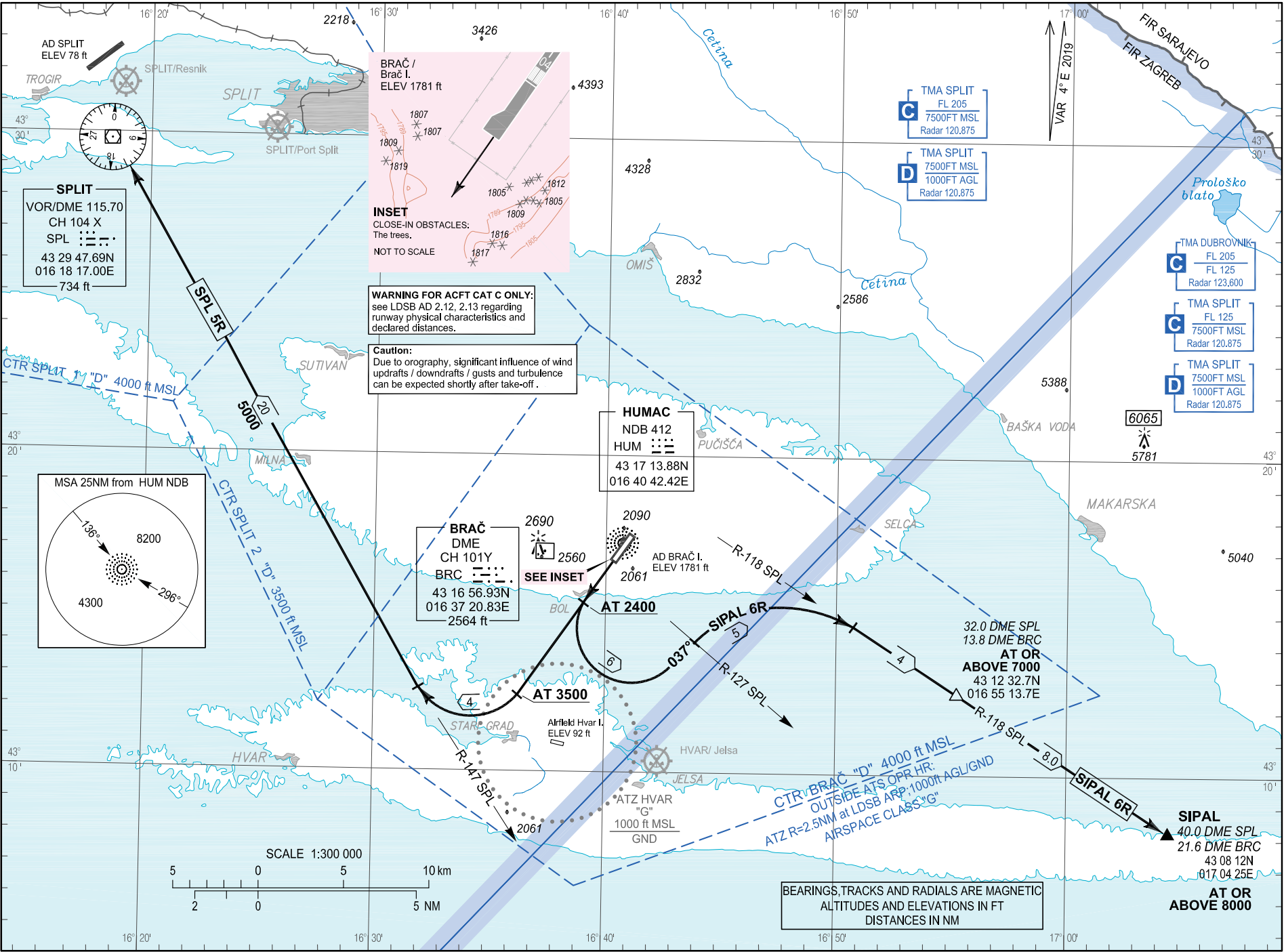
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

BRAČ TOWER
118.025
SPLIT RADAR
120.875

ACFT CAT A / B & C RWY22
BRAČ / Brač I.
CROATIA

CHANGE: Special aeras for NATO operations withdrawn; BRC DME Latitude corrected.



BRAČ / Brač I.
ELEV 1781 ft

1807
1809
1819
1805
1812
1805
1809
1816
1817

INSET
CLOSE-IN OBSTACLES:
The trees.
NOT TO SCALE

WARNING FOR ACFT CAT C ONLY:
see LDSB AD 2.12, 2.13 regarding
runway physical characteristics and
declared distances.

Caution:
Due to orography, significant influence of wind
updrafts / downdrafts / gusts and turbulence
can be expected shortly after take-off.

HUMAC
NDB 412
HUM
43 17 13.88N
016 40 42.42E

BRAČ
DME
CH 101Y
BRC
43 16 56.93N
016 37 20.83E
2564 ft

C TMA SPLIT
FL 205
7500FT MSL
Radar 120.875

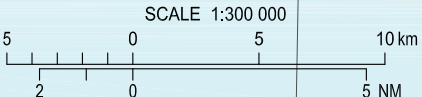
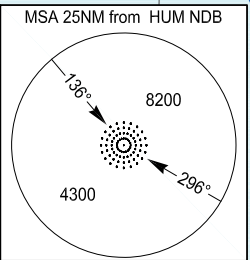
D TMA SPLIT
FL 125
7500FT MSL
1000FT AGL
Radar 120.875

C TMA DUBROVNIK
FL 205
FL 125
Radar 123.600

C TMA SPLIT
FL 125
7500FT MSL
Radar 120.875

D TMA SPLIT
7500FT MSL
1000FT AGL
Radar 120.875

6065
5781



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

OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA
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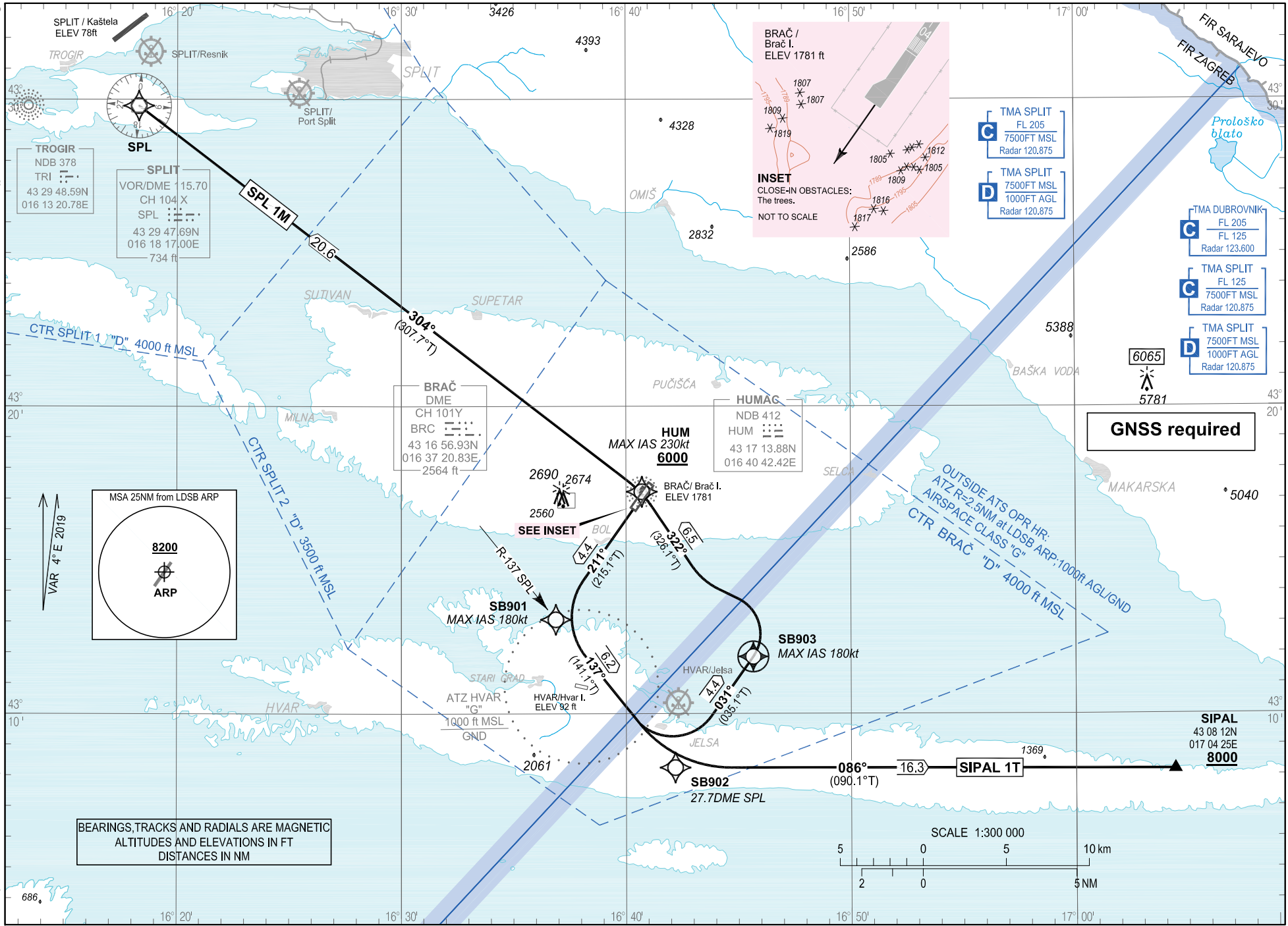
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

BRAČ
TOWER 118.025
RADAR 120.875

BRAČ / Brač I.
CROATIA
RNAV Rwy 22

CHANGE: Special areas for NATO operations withdrawn; BRC DME Latitude corrected.



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

**BRAČ / Brač I.
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.

Close-in obstacles: trees with heights up to 554.4 M (1819 FT) AMSL on both sides and abeam of the extended RWY centre line, from the DER until the distance of 190 M (0.1 NM) after passing DER. See inset on the chart.

WARNING

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

Climb straight ahead to intercept and follow R-137 SPL. At 27.7 DME SPL turn LEFT climbing on track 031°. On passing 4000 FT AMSL proceed via RNAV SID SPL 1M or according to ATC instruction.

LDSB RNAV STANDARD INSTRUMENT DEPARTURE RWY 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	SPL 1M	CF	SB901	-	211° (215.1°T)	4.00°E	4.4	-	-	-	-	RNAV 1
020		TF	SB902	-	137° (141.1°T)	4.00°E	6.2	-	-	-		
030		TF	SB903	Y	031° (035.1°T)	4.00°E	4.4	L	-	-180		
040		TF	HUM		322° (326.1°T)	4.00°E	6.5	-	+6000	-230		
050		TF	SPL	-	304° (307.7°T)	4.00°E	20.6	-	-	-		

WARNING

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

Climb straight ahead to intercept and follow R-137 SPL. At 27.7 DME SPL turn LEFT climbing on track 086°. On passing 4000 FT AMSL proceed via RNAV SID SIPAL 1T or according to ATC instruction.

LDSB RNAV STANDARD INSTRUMENT DEPARTURE RWY 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	SIPAL 1T	CF	SB901	-	211° (215.1°T)	4.00°E	4.4	-	-	-180	-	RNAV 1
020		TF	SB902	-	137° (141.1°T)	4.00°E	6.2	-	-	-		
040		TF	SIPAL	-	086° (090.1°T)	4.00°E	16.3	-	+8000	-		

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
SIPAL	430812N	0170425E
HUM	431713.88N	0164042.42E
SPL	432947.69N	0161817.00E
SB901	431304.3N	0163652.3E
SB902	430815.4N	0164210.9E
SB903	431151.9N	0164539.1E

CHANGE: Special aeras for NATO operations withdrawn; BRC DME Latitude corrected.

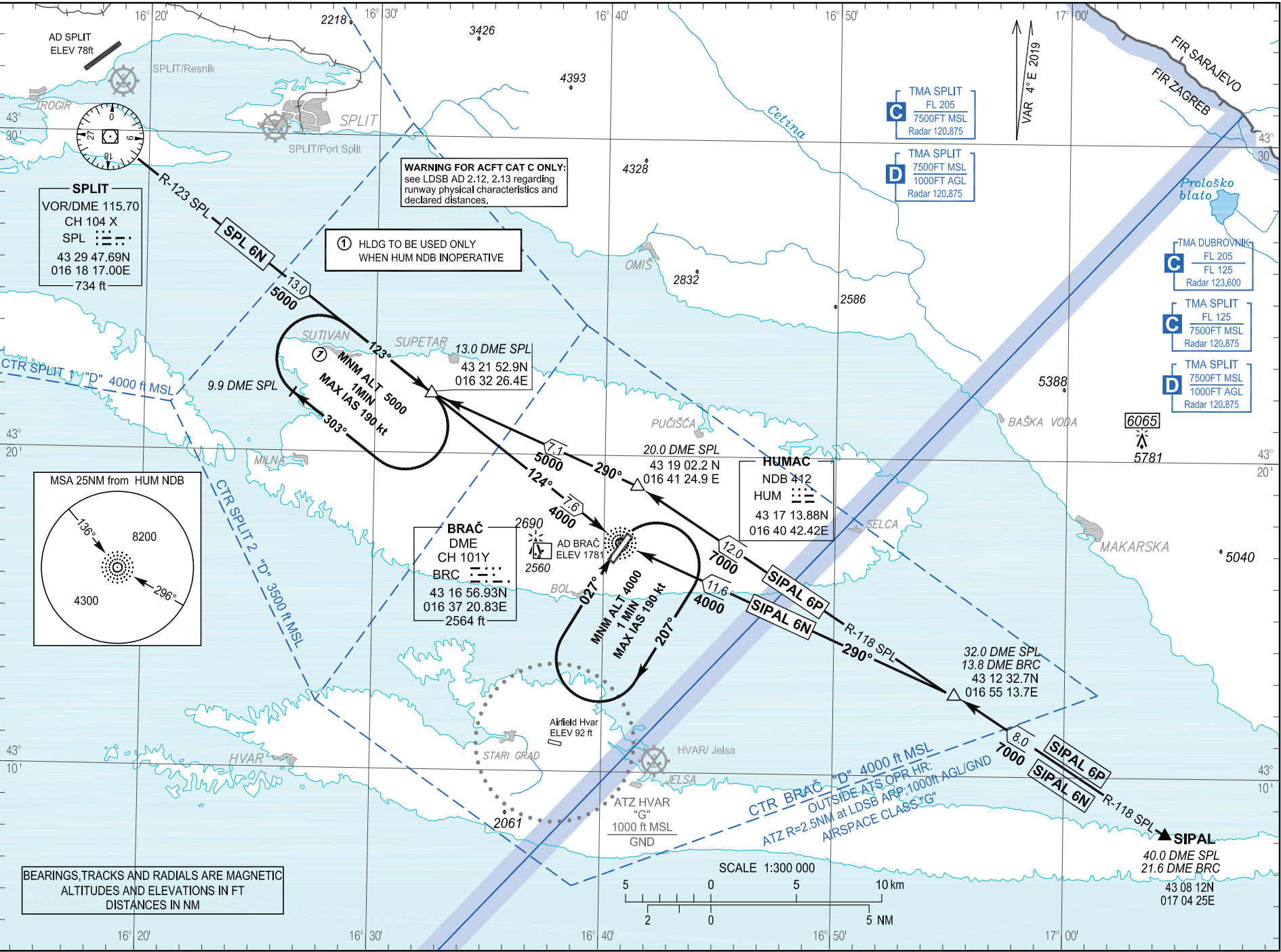
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

SPLIT
RADAR 120.875
BRAČ
TOWER 118.025

ACFT CAT A / B & C RMY04/22
BRAČ / Brač I.
CROATIA

CHANGE: Special aeras for NATO operations withdrawn; BRC DME Latitude corrected.



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AIRAC AIP AMDT 004/2020

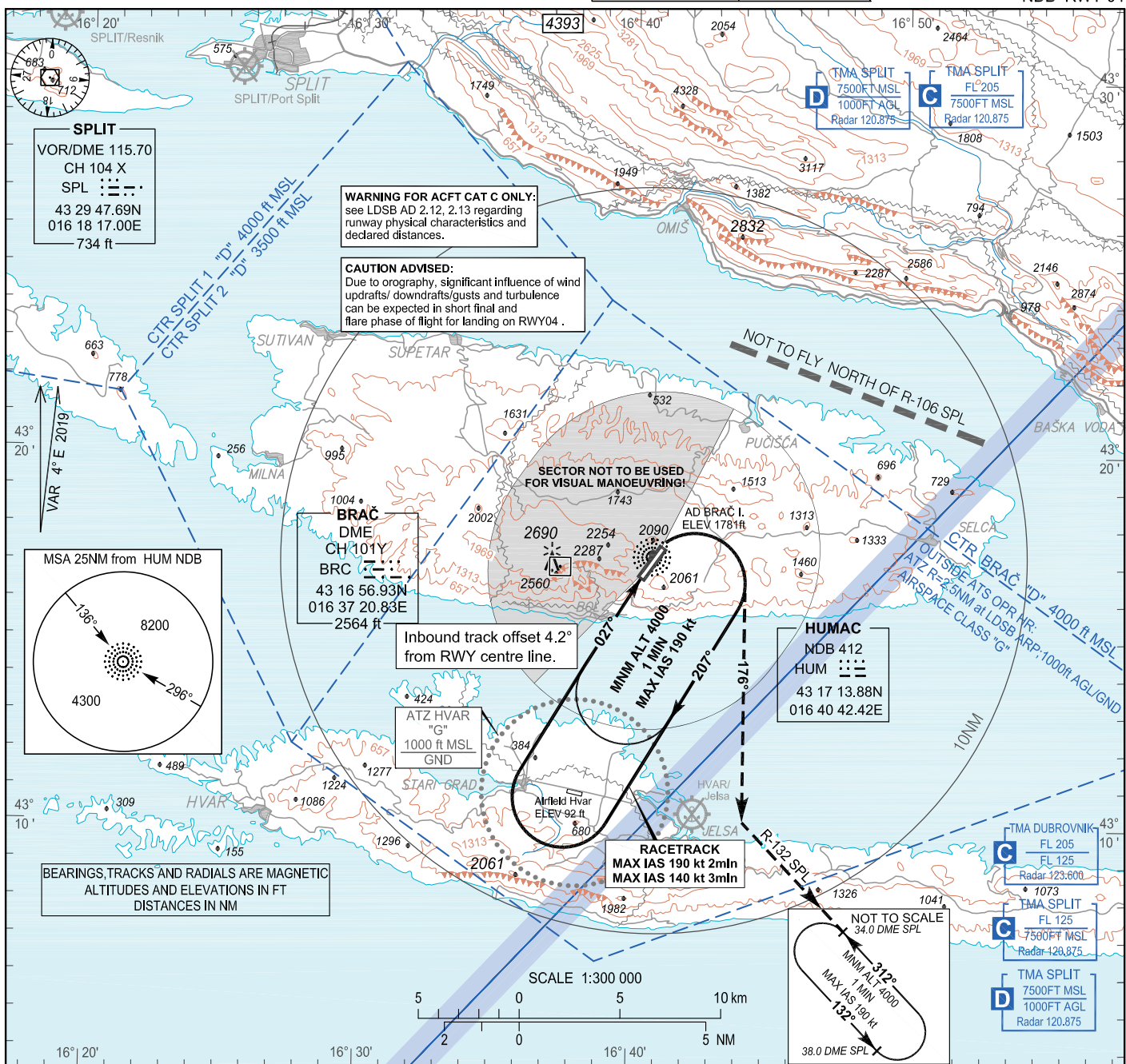
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INSTRUMENT APPROACH
CHART-ICAO

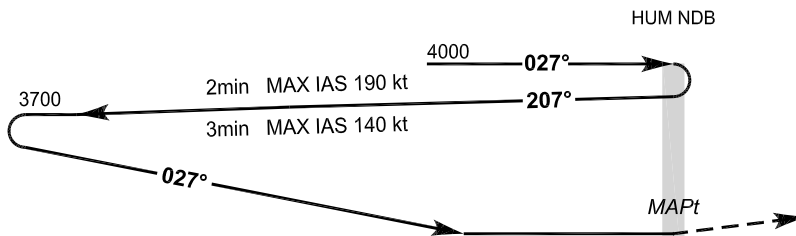
AD ELEV 1781
HEIGHTS RELATED
TO AD ELEV 1781

SPLIT RADAR 120.875	BRAČ TOWER 118.025
------------------------	-----------------------

**BRAČ/Brač I.
CROATIA**
NDB RWY 04



TRANSITION ALT 10 000



MISSED APPROACH:
At HUM NDB turn
RIGHT on track 176°,
intercept R-132 SPL
climbing to 34.0 DME SPL
at 4000 and hold.

THR ELEV 1779

NM to/from THR 04

OCA(H)	A	B	C
Straight - in Approach		2650 (870)	
Circling		2650 (870)	

Circling NW of aerodrome NA.
MAPt at HUM NDB.

WARNING FOR ACFT CAT C ONLY:
see LDSB AD 2.12, 2.13 regarding runway physical characteristics and declared distances.

CHANGE: Special areas for NATO operations withdrawn; BRC DME Latitude corrected; editorial.

AERONAUTICAL DATABASE REQUIREMENTS

Conventional procedure essential fixes/points

NDB RWY04

Final approach descent angle:

-

Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (HUM NDB)	See LDSB AD 2.19	-	-
MAPt (HUM NDB)	See LDSB AD 2.19	-	-

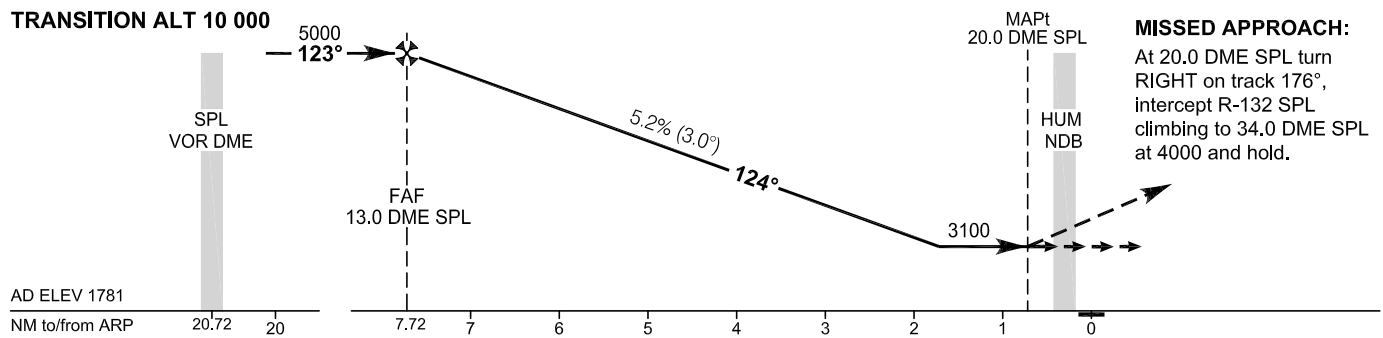
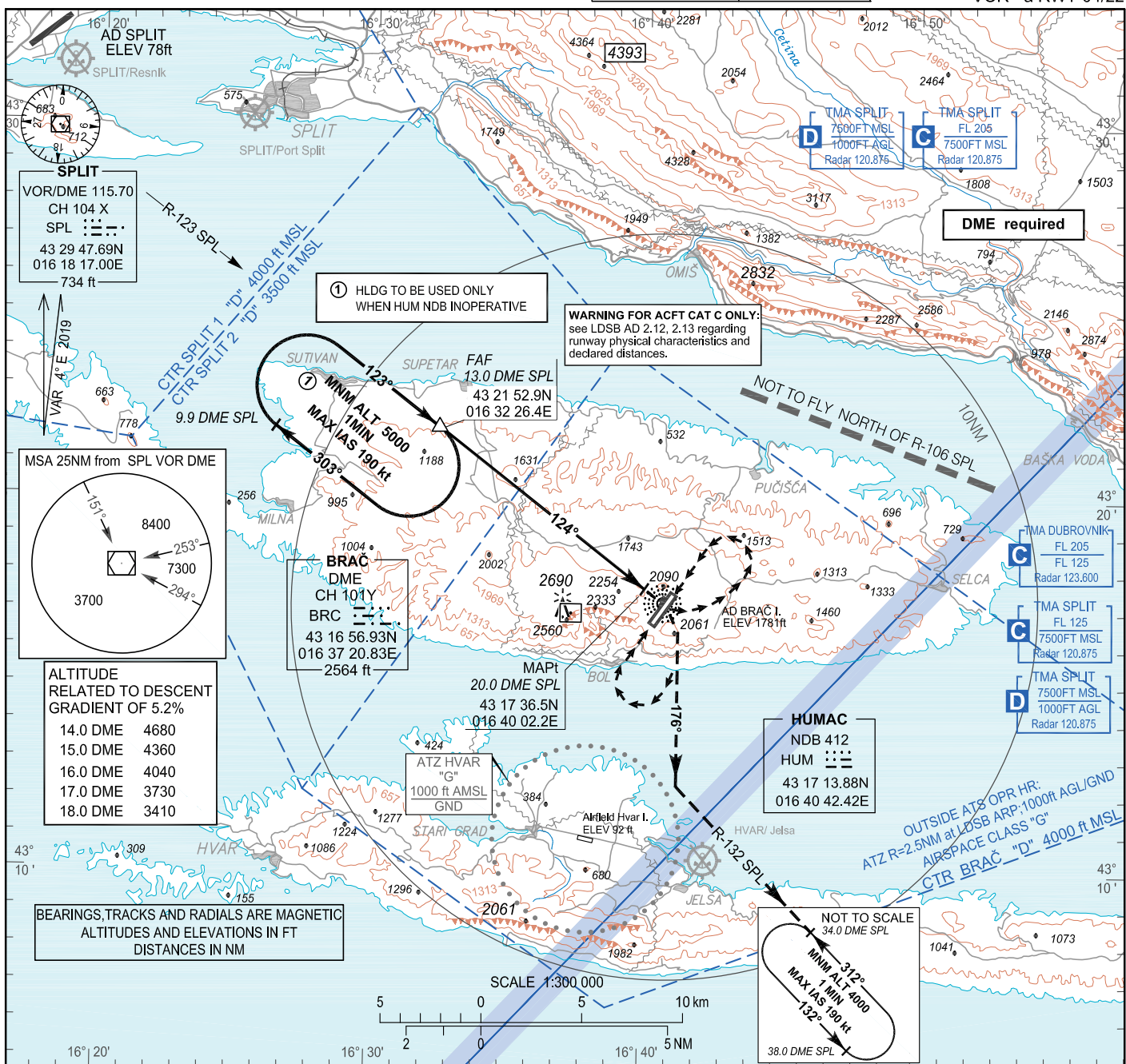
CHANGE: Special aeras for NATO operations withdrawn; BRC DME Latitude corrected; editorial.

INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 1781
HEIGHTS RELATED
TO AD ELEV 1781

BRAČ/Brač I.
CROATIA
CIRCLING
VOR - a RWY 04/22

SPLIT RADAR 120.875	BRAČ TOWER 118.025
------------------------	-----------------------



AD ELEV 1781			
NM to/from ARP			
OCA(H)	A	B	C
CIRCLING	3100 (1320)		

FAF TO MAPt - 7.0 NM							
TIMING NOT AUTHORIZED FOR DEFINING THE MAPt							
GS(KT)	70	80	90	100	120	130	140
MIN:SEC	6:00	5:15	4:40	4:12	3:30	3:14	3:00
RATE OF DESCENT (ft/min)	370	420	480	530	640	690	740

CHANGE: Special areas for NATO operations withdrawn; BRC DME Latitude corrected.

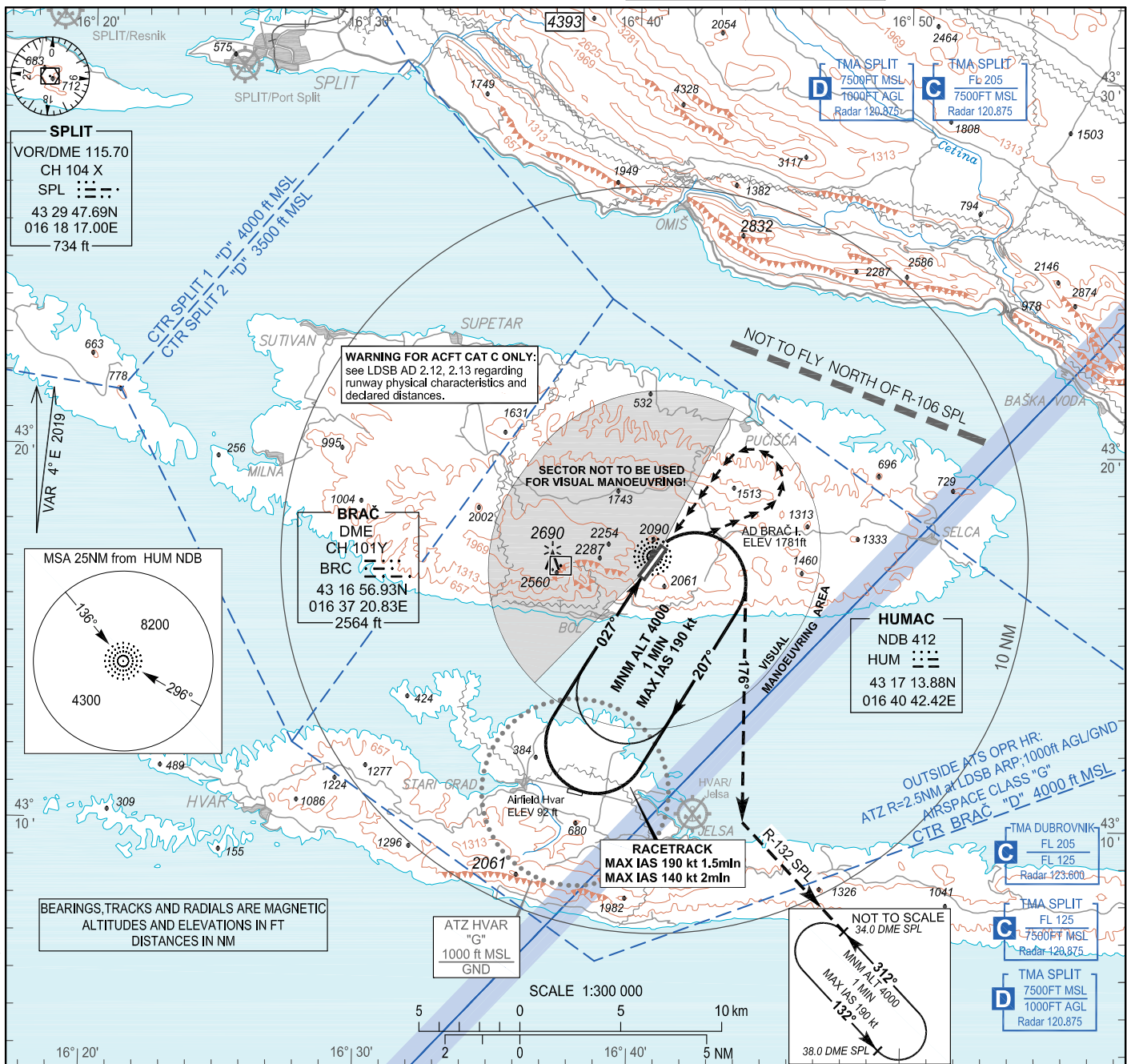
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INSTRUMENT APPROACH
CHART-ICAO

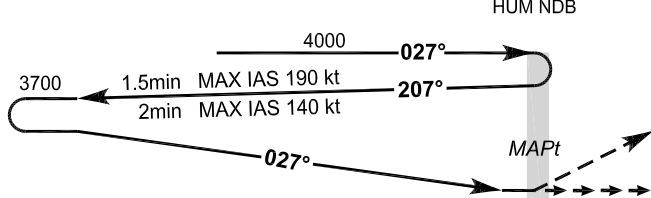
AD ELEV 1781
HEIGHTS RELATED
TO AD ELEV 1781

SPLIT RADAR 120.875	BRAČ TOWER 118.025
------------------------	-----------------------

**BRAČ/Brač I.
CROATIA**
NDB - a RWY 22



TRANSITION ALT 10 000



MISSED APPROACH:
At HUM NDB turn
RIGHT on track 176°,
intercept R-132 SPL
climbing to 34.0 DME SPL
at 4000 and hold.

AD ELEV 1781

NM to/from THR 22

OCA(H)	A	B	C
CIRCLING	2650 (870)		

Circling NW of aerodrome NA.
MAPt at HUM NDB.

WARNING FOR ACFT CAT C ONLY:
see LDSB AD 2.12, 2.13 regarding runway physical characteristics and declared distances.

CHANGE: Special areas for NATO operations withdrawn; BRC DME Latitude corrected; editorial.

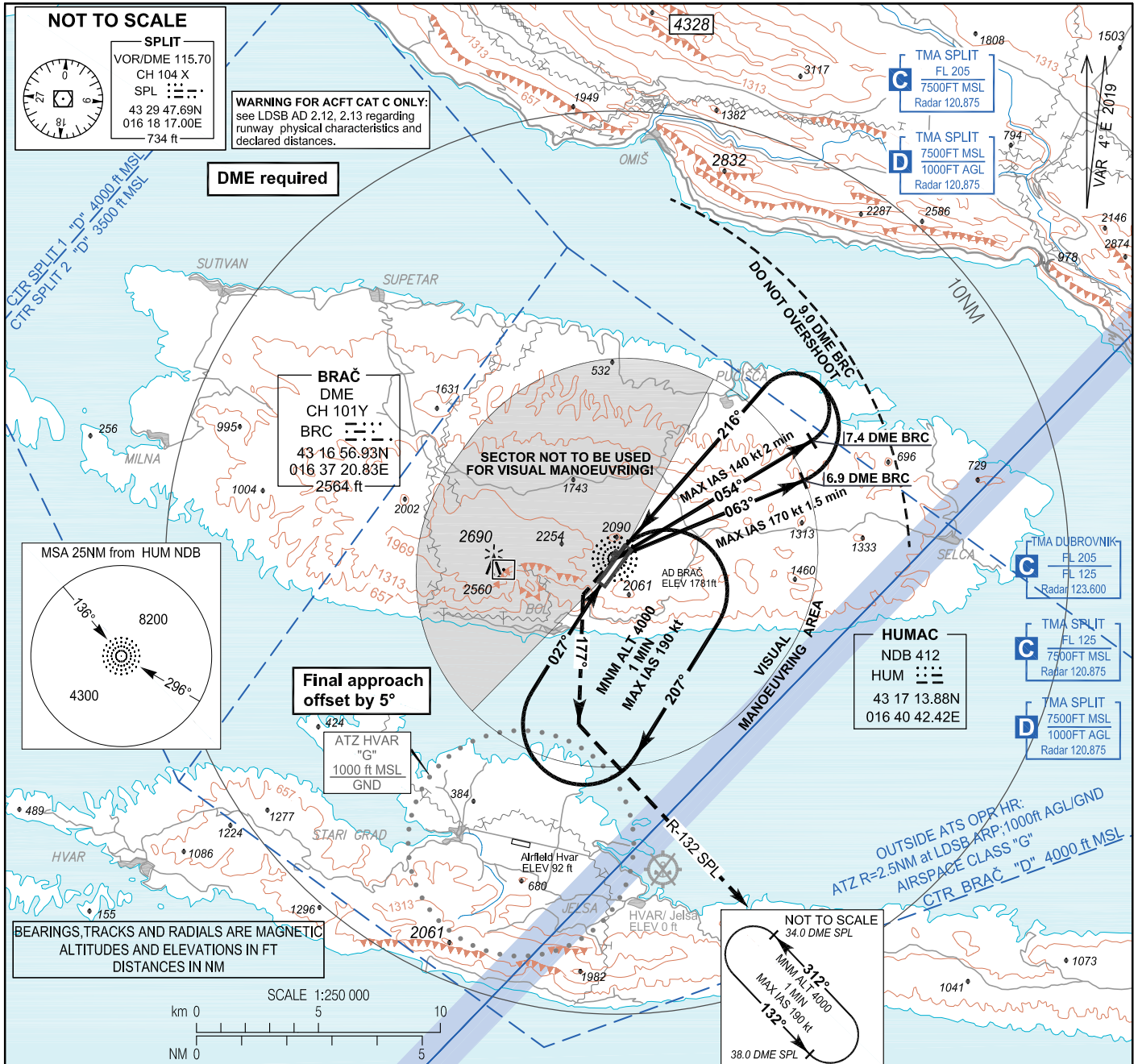
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INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 1781
HEIGHTS RELATED
TO THR 22 ELEV 1701

SPLIT RADAR 120.875	BRAČ TOWER 118.025
------------------------	-----------------------

**BRAČ/Brač I.
CROATIA
NDB RWY 22**



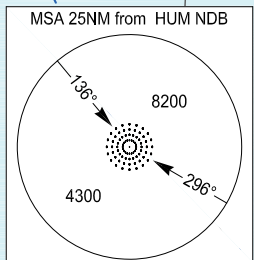
NOT TO SCALE

SPLIT
VOR/DME 115.70
CH 104 X
SPL
43 29 47.69N
016 18 17.00E
734 ft

WARNING FOR ACFT CAT C ONLY:
see LDSB AD 2.12, 2.13 regarding
runway physical characteristics and
declared distances.

DME required

BRAČ
DME
CH 101Y
BRC
43 16 56.93N
016 37 20.83E
2564 ft

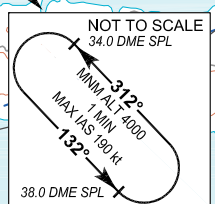
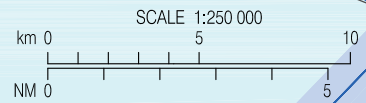


**Final approach
offset by 5°**

ATZ HVAR
"G"
1000 ft MSL
GND

HUMAC
NDB 412
HUM
43 17 13.88N
016 40 42.42E

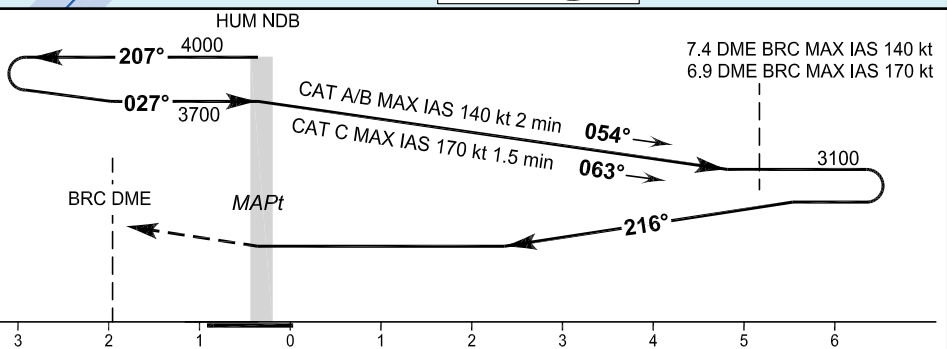
BEARINGS, TRACKS AND RADIALS ARE MAGNETIC
ALTITUDES AND ELEVATIONS IN FT
DISTANCES IN NM



TRANSITION ALT 10 000

MISSED APPROACH:

At HUM NDB turn
LEFT on track 177°,
intercept R-132 SPL
climbing to 34.0 DME SPL
at 4000 and hold. MAX IAS
190 kt during turn.



THR ELEV 1701
NM to/from THR 22

OCA(H)	A	B	C
Straight - in Approach	2500 (800)		2530 (830)
Circling	2500 (720)		2530 (750)

Circling NW of aerodrome NA.
MAPt at HUM NDB.

CHANGE: Special areas for NATO operations withdrawn; BRC DME Latitude corrected.

AERONAUTICAL DATABASE REQUIREMENTS

Conventional procedure essential fixes/points

NDB RWY 22

Final approach descent angle: -

Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (HUM NDB)	See LDSB AD 2.19	-	-
MAPt (HUM NDB)	See LDSB AD 2.19	-	-

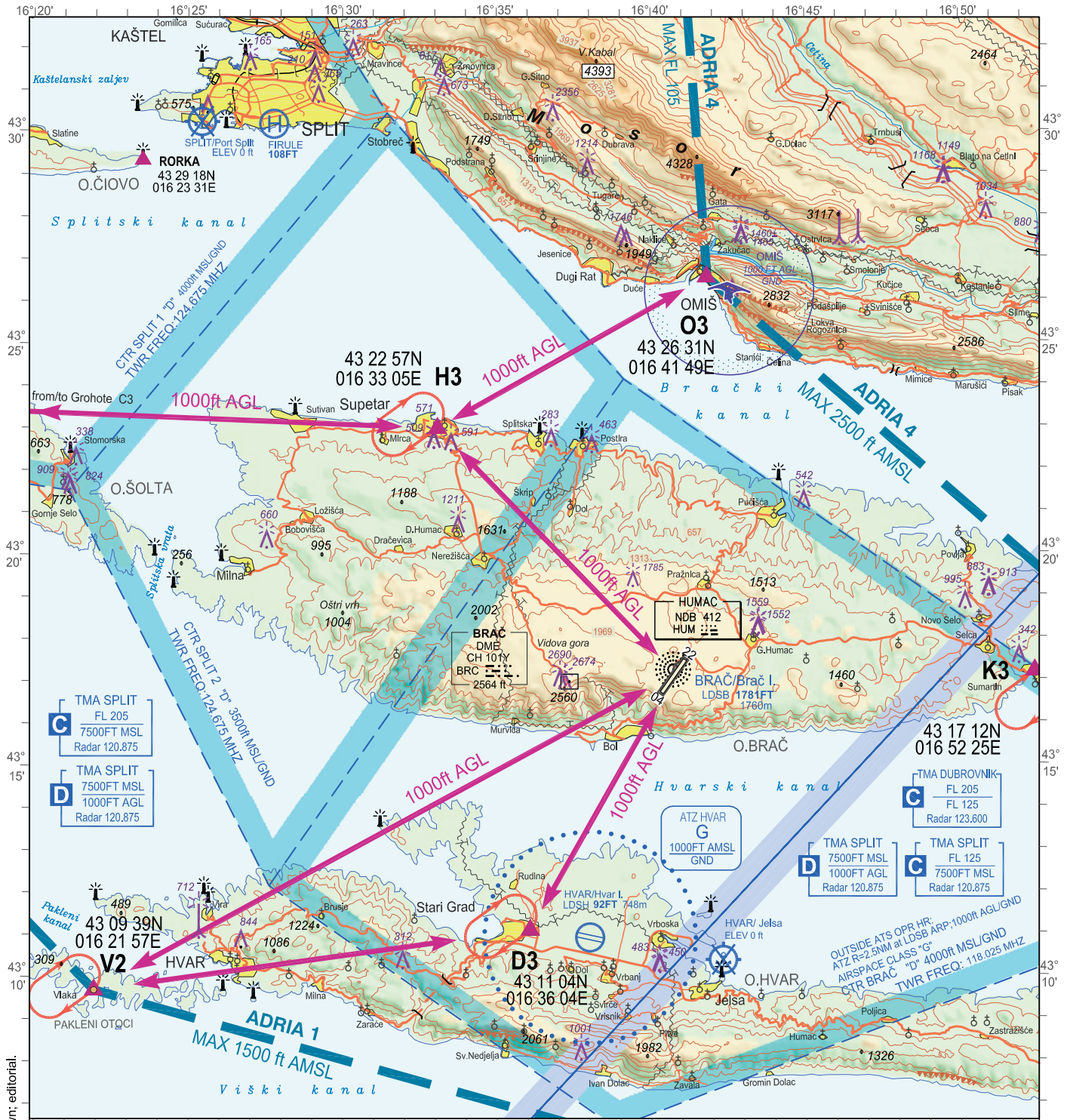
CHANGE: Special areas for NATO operations withdrawn; BRC DME Latitude corrected.

**VISUAL
OPERATION
CHART**

AD ELEV 1781ft **ARP**
43°17'08.59"N
016°40'46.99"E

SPLIT RADAR 120.875 **BRAČ TOWER 118.025**
BRAČ RADIO 118.025

**BRAČ / Brač I.
CROATIA**



C TMA SPLIT
FL 205
7500FT MSL
Radar 120.875

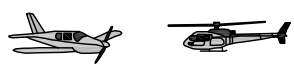
D TMA SPLIT
7500FT MSL
1000FT AGL
Radar 120.875

C TMA DUBROVNIK
FL 205
FL 125
Radar 123.600

D TMA SPLIT
7500FT MSL
1000FT AGL
Radar 120.875

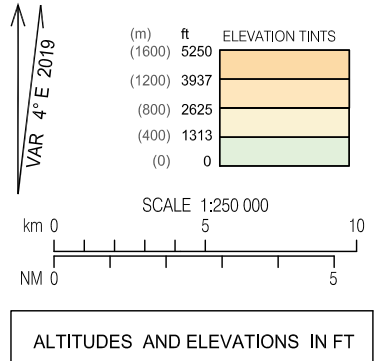
C TMA SPLIT
FL 125
7500FT MSL
Radar 120.875

Reporting Point	Definition
C3	Village Grohote
D3	Town Stari Grad
H3	Town Supetar
K3	Town Sumartin
O3	Town Omiš
V2	Village Vlaka



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

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



CHANGE: Special areas for NATO operations withdrawn; editorial.

OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA
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AD 2 AERODROMES**LDSP AD 2****LDSP AD 2.1 AERODROME LOCATION INDICATOR AND NAME**

LDSP - AIRPORT SPLIT / Kaštela

LDSP AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	433220.20N 0161752.67E 053° GEO/1260 M from THR 05
2	Direction and distance from (city)	287°, 25 KM from Split
3	Elevation/Reference temperature	78 FT / 29°C (JUL)
4	Geoid undulation at AD ELEV PSN	139 FT
5	MAG VAR/Annual change	4° E (2019) / 0.13° increasing
6	AD Operator, address, telephone, telefax, AFS, SITA, e-mail, URL	Post: Zračna luka Split-Kastela Cesta dr.Franje Tuđmana 1270, 21217 Kastel Stafilic Phone: (+385 21) 203555 Fax: (+385 21) 203422 AFS: LDSPZPZX SITA: SPUAPXH Email: mail-spu@split-airport.hr URL: http://www.split-airport.hr/
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	Nil

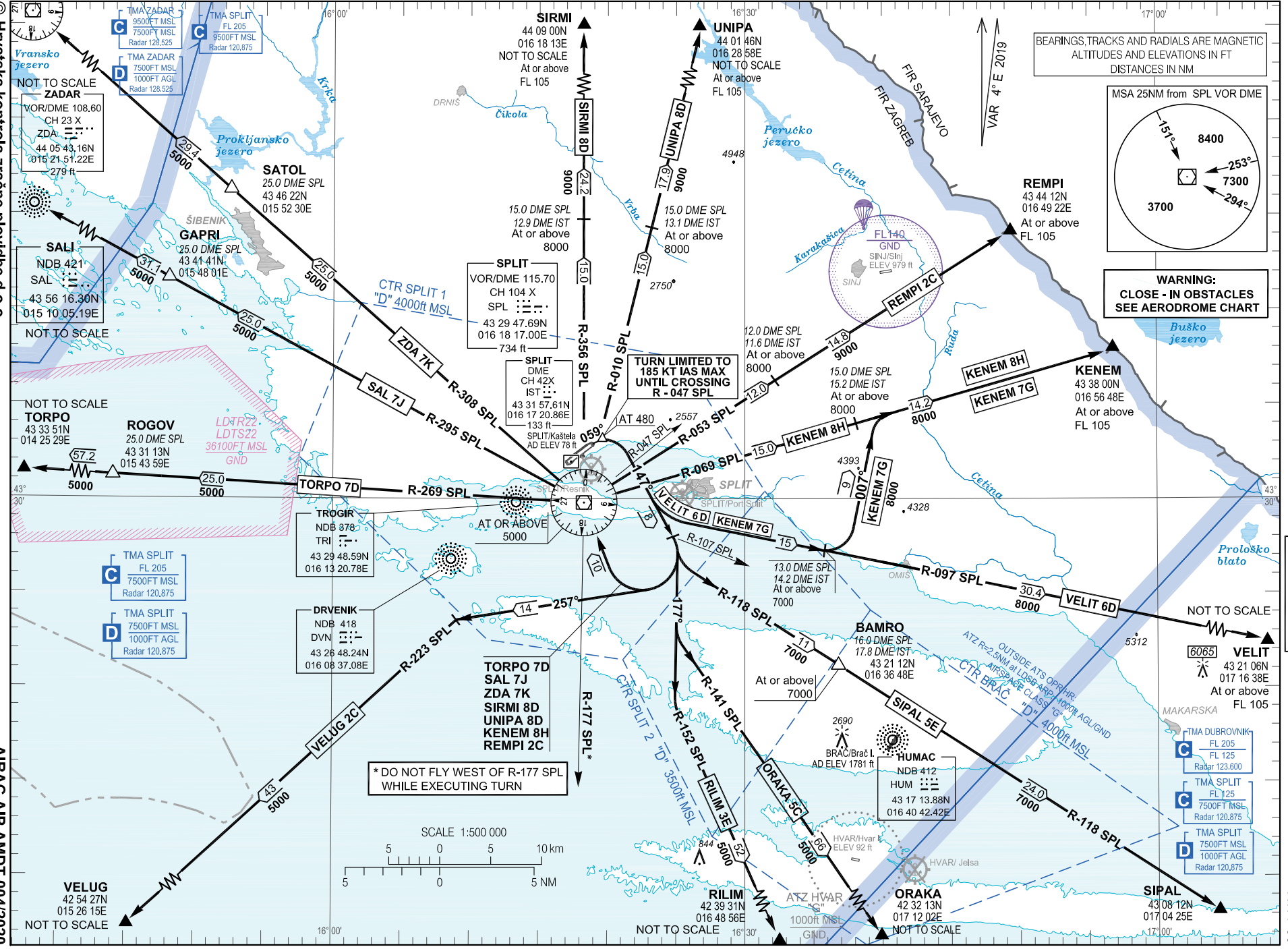
LDSP AD 2.3 OPERATIONAL HOURS

1	AD Operator	0500-2100 (0400-2000)
2	Customs and immigration	H24
3	Health and sanitation	As AD HR SER
4	AIS Briefing Office	H24
5	ATS Reporting Office (ARO)	H24
6	MET Briefing Office	H24
7	ATS	H24
8	Fuelling	H24
9	Handling	As AD HR SER
10	Security	H24
11	De-icing	As AD HR SER
12	Remarks	All flights with a schedule approved outside of AD HR SER in process of facilitation and coordination activities according to Council Regulation (EEC) 95/93 and IATA Calendar of Coordination Activities do not require AD Operator approval. Outside AD HR SER, upon AD Operator approval only, PPR sent via SITA SPUAPXH till 2000 (1900).

LDSP AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	9 self propelled conveyer belts 26 towing trucks 21 pallet dollies 144 luggage dollies 1 cargo loader "Air Marrel", max. 7 T 1 cargo transporter "Trepel", max. 3.5 T 3 forklifts: 5 T; 4.5 T; 1.5 T 4 ground power units 140KVA 1 ground power unit 90KVA 3 air start units 2 lavatory service vehicles 22 aircraft steps
2	Fuel/oil types	A1, AVGAS 100LL / Oil - Nil
3	Fuelling facilities/capacity	1 Fuel Truck 60 000 L (A1) 3 Fuel Trucks 42 000 L (A1) 1 Fuel Truck 30 000 L (A1) 1 Fuel Truck 8 000 L (AVGAS 100LL)
4	De-icing facilities	1 vehicle for de-iceing, max. working height 16 M
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

CHANGE: Special areas for NATO operations withdrawn.



STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

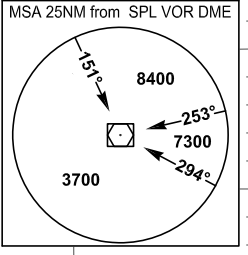
SPLIT ATIS 125.300
SPLIT TOWER 124.675
SPLIT RADAR 120.875

SPLIT / Kaštela
CROATIA
RWY 05

AIP HRVATSKA
AIP CROATIA

LDSP AD 2.24.8 SID RWY 05 -1
21 MAY 2020

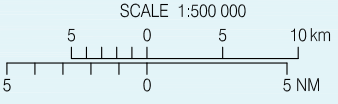
BEARINGS, TRACKS AND RADIALS ARE MAGNETIC
ALTITUDES AND ELEVATIONS IN FT
DISTANCES IN NM



WARNING:
CLOSE-IN OBSTACLES
SEE AERODROME CHART

TURN LIMITED TO
185 KT IAS MAX
UNTIL CROSSING
R-047 SPL

* DO NOT FLY WEST OF R-177 SPL
WHILE EXECUTING TURN



OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA
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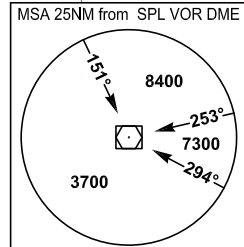
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

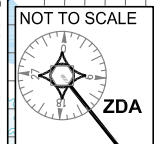
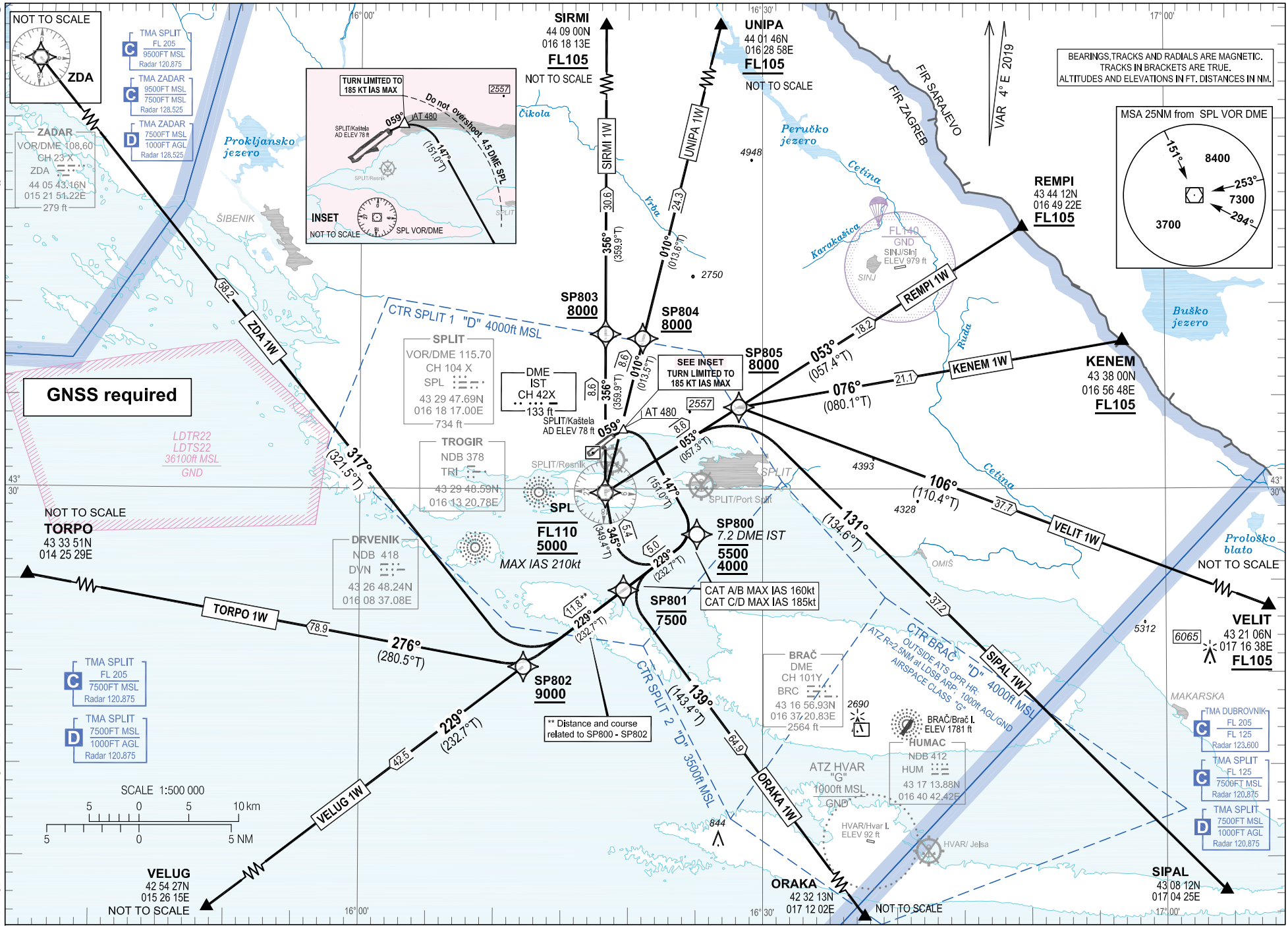
SPLIT ATIS 125.300
SPLIT TOWER 124.675
SPLIT RADAR 120.875

SPLIT / Kaštela
CROATIA
RNAV Rwy 05

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



CHANGE: Special areas for NATO operations withdrawn; BRC DME Latitude corrected; editorial

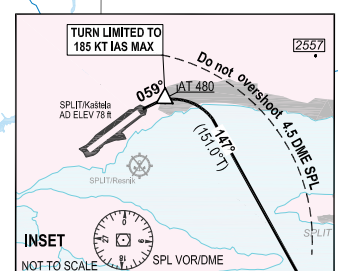


TMA SPLIT
FL 205
9500FT MSL
Radar 120.875

TMA ZADAR
9500FT MSL
7500FT MSL
Radar 128.525

TMA ZADAR
7500FT MSL
1000FT AGL
Radar 128.525

ZADAR
VOR/DME 108.60
CH 23 X
ZDA
44 05 43.16N
015 21 54.22E
279 ft



GNSS required

LDTR22
LDTS22
36100R MSL
GND

NOT TO SCALE
TORPO
43 33 51N
014 25 29E

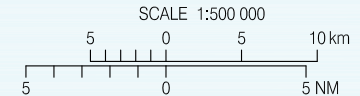
SPLIT
VOR/DME 115.70
CH 104 X
SPL
43 29 47.69N
016 18 17.00E
734 ft

TROGIR
NDB 378
TRI
43 29 48.59N
016 13 20.78E

DRVENIK
NDB 418
DVN
43 26 48.24N
016 08 37.08E

TMA SPLIT
FL 205
7500FT MSL
Radar 120.875

TMA SPLIT
7500FT MSL
1000FT AGL
Radar 120.875



VELUG
42 54 27N
015 26 15E
NOT TO SCALE

SPLIT/ Kaštela

CROATIA

RNAV RWY 05

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDS

- Calculation of the SIDs is based on all-engines operative minimum net climb gradient of 7.4 per cent (450 FT/NM). Assume minimum net climb gradient of 3.3 per cent (201 FT/NM) after passing 4000 FT.

- After take-off climb initially 5000 FT and contact Split Radar on 120.875 MHZ.

- Caution: Close-in obstacles on and left of RCL up to 148 FT AMSL.

WARNING 1: CAT C and D minimum bank angle 20°.

WARNING 2

Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID(s) SIRMI 1W, UNIPA 1W, REMPI 1W, KENEM 1W, VELIT 1W, SIPAL 1W, ORAKA 1W, VELUG 1W, TORPO 1W, ZDA 1W only:

Climb on track 059°. At 480 FT turn RIGHT (for CAT C and D, bank angle minimum 20°) on track 147° climbing to 7.2 DME IST (SP800). After crossing 7.2 DME IST (SP800) proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction.

MAX IAS 185 KT until 7.2 DME IST (SP800). Cross 7.2 DME IST (SP800) at or above 4000 FT.

LDSP RNAV STANDARD INSTRUMENT DEPARTURE RWY 05

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SIRMI 1W	CA	-	-	059° (062.6°T)	4.00°E	-	-	@480	-	See WARNING 1 & 2.	RNAV 1
020		CF	SP800	-	147° (151.0°T)	4.00°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP801	-	229° (232.7°T)	4.00°E	5.0	-	-7500	-160 (CAT A/B) -185 (CAT C/D)		
040		TF	SPL	-	345° (349.4°T)	4.00°E	5.4	R	-FL110 +5000	-210		
050		TF	SP803	-	356° (359.9°T)	4.00°E	8.6	-	+8000	-		
060		TF	SIRMI	-	356° (359.9°T)	4.00°E	30.6	-	+FL105	-		
010	UNIPA 1W	CA	-	-	059° (062.6°T)	4.00°E	-	-	@480	-	See WARNING 1 & 2.	RNAV 1
020		CF	SP800	-	147° (151.0°T)	4.00°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP801	-	229° (232.7°T)	4.00°E	5.0	-	-7500	-160 (CAT A/B) -185 (CAT C/D)		
040		TF	SPL	-	345° (349.4°T)	4.00°E	5.4	R	-FL110 +5000	-210		
050		TF	SP804	-	010° (013.5°T)	4.00°E	8.6	-	+8000	-		
060		TF	UNIPA	-	010° (013.6°T)	4.00°E	24.3	-	+FL105	-		
010	REMPI 1W	CA	-	-	059° (062.6°T)	4.00°E	-	-	@480	-	See WARNING 1 & 2.	RNAV 1
020		CF	SP800	-	147° (151.0°T)	4.00°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP801	-	229° (232.7°T)	4.00°E	5.0	-	-7500	-160 (CAT A/B) -185 (CAT C/D)		
040		TF	SPL	-	345° (349.4°T)	4.00°E	5.4	R	-FL110 +5000	-210		
050		TF	SP805	-	053° (057.3°T)	4.00°E	8.6	-	+8000	-		
060		TF	REMPI	-	053° (057.4°T)	4.00°E	18.2	-	+FL105	-		

CHANGE: Special areas for NATO operations withdrawn; BRC DME Latitude corrected; editorial.

LDSP RNAV STANDARD INSTRUMENT DEPARTURE RWY 05

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	KENEM 1W	CA	-	-	059° (062.6°T)	4.00°E	-	-	@480	-	See WARNING 1 & 2.	RNAV 1
020		CF	SP800	-	147° (151.0°T)	4.00°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP801	-	229° (232.7°T)	4.00°E	5.0	-	-7500	-160 (CAT A/B) -185 (CAT C/D)		
040		TF	SPL	-	345° (349.4°T)	4.00°E	5.4	R	-FL110 +5000	-210		
050		TF	SP805	-	053° (057.3°T)	4.00°E	8.6	-	+8000	-		
060		TF	KENEM	-	076° (080.1°T)	4.00°E	21.1	-	+FL105	-		
010	VELIT 1W	CA	-	-	059° (062.6°T)	4.00°E	-	-	@480	-	See WARNING 1 & 2.	RNAV 1
020		CF	SP800	-	147° (151.0°T)	4.00°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP801	-	229° (232.7°T)	4.00°E	5.0	-	-7500	-160 (CAT A/B) -185 (CAT C/D)		
040		TF	SPL	-	345° (349.4°T)	4.00°E	5.4	R	-FL110 +5000	-210		
050		TF	SP805	-	053° (057.3°T)	4.00°E	8.6	-	+8000	-		
060		TF	VELIT	-	106° (110.4°T)	4.00°E	37.7	-	+FL105	-		
010	SIPAL 1W	CA	-	-	059° (062.6°T)	4.00°E	-	-	@480	-	See WARNING 1 & 2.	RNAV 1
020		CF	SP800	-	147° (151.0°T)	4.00°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP801	-	229° (232.7°T)	4.00°E	5.0	-	-7500	-160 (CAT A/B) -185 (CAT C/D)		
040		TF	SPL	-	345° (349.4°T)	4.00°E	5.4	R	-FL110 +5000	-210		
050		TF	SP805	-	053° (057.3°T)	4.00°E	8.6	-	+8000	-		
060		TF	SIPAL	-	131° (134.6°T)	4.00°E	37.2	-	-	-		
010	ORAKA 1W	CA	-	-	059° (062.6°T)	4.00°E	-	-	@480	-	See WARNING 1 & 2.	RNAV 1
020		CF	SP800	-	147° (151.0°T)	4.00°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP801	-	229° (232.7°T)	4.00°E	5.0	-	-7500	-160 (CAT A/B) -185 (CAT C/D)		
040		TF	ORAKA	-	139° (143.4°T)	4.00°E	64.9	-	-	-		

CHANGE: Special areas for NATO operations withdrawn; BRC DME Latitude corrected; editorial.

SPLIT/ Kaštela
CROATIA

RNAV RWY 05

LDSP RNAV STANDARD INSTRUMENT DEPARTURE RWY 05

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	VELUG 1W	CA	-	-	059° (062.6°T)	4.00°E	-	-	@480	-	See WARNING 1 & 2.	RNAV 1
020		CF	SP800	-	147° (151.0°T)	4.00°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP802	-	229° (232.7°T)	4.00°E	11.8	-	+9000	-		
040		TF	VELUG	-	229° (232.7°T)	4.00°E	42.5	-	-	-		
010	TORPO 1W	CA	-	-	059° (062.6°T)	4.00°E	-	-	@480	-	See WARNING 1 & 2.	RNAV 1
020		CF	SP800	-	147° (151.0°T)	4.00°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP802	-	229° (232.7°T)	4.00°E	11.8	-	+9000	-		
040		TF	TORPO	-	276° (280.5°T)	4.00°E	78.9	-	-	-		
010	ZDA 1W	CA	-	-	059° (062.6°T)	4.00°E	-	-	@480	-	See WARNING 1 & 2.	RNAV 1
020		CF	SP800	-	147° (151.0°T)	4.00°E	-	R	-5500 +4000	-160 (CAT A/B) -185 (CAT C/D)		
030		TF	SP802	-	229° (232.7°T)	4.00°E	11.8	-	+9000	-		
040		TF	ZDA	-	317° (321.5°T)	4.00°E	58.2	-	-	-		

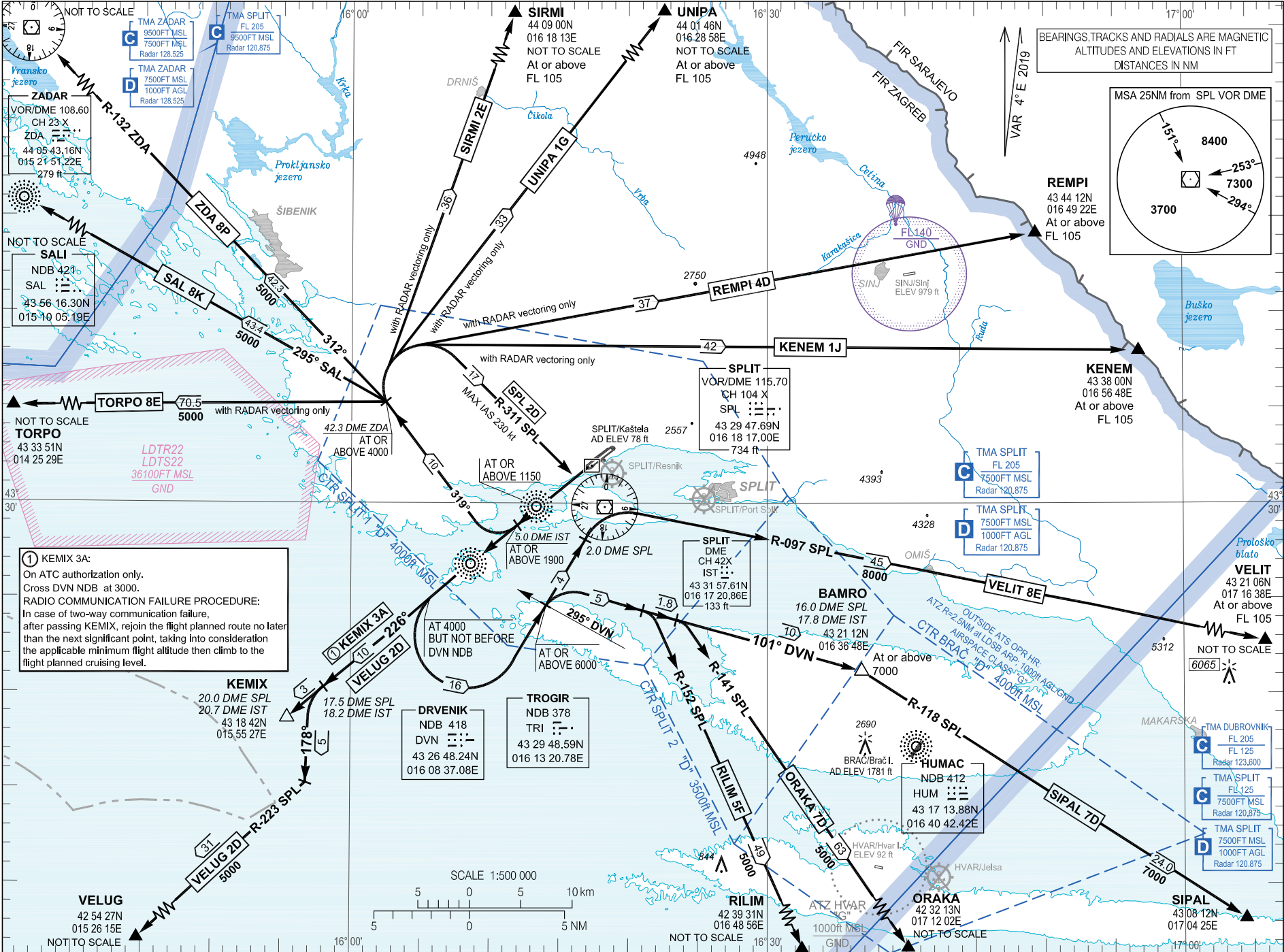
Waypoint coordinates

Waypoint name	wgs-84 latitude	wgs-84 longitude
KENEM	433800N	0165648E
ORAKA	423213N	0171202E
REMPI	434412N	0164922E
SIPAL	430812N	0170425E
SIRMI	440900N	0161813E
TORPO	433351N	0142529E
UNIPA	440146N	0162858E
VELIT	432106N	0171638E
VELUG	425427N	0152615E
SPL	432947.69N	0161817.00E
ZDA	440543.16N	0152151.22E

Waypoint name	wgs-84 latitude	wgs-84 longitude
SP800	432732.4N	0162506.3E
SP801	432430.2N	0161938.9E
SP802	432021.0N	0161212.7E
SP803	433823.5N	0161816.0E
SP804	433809.2N	0162103.3E
SP805	433425.8N	0162814.0E

CHANGE: Special areas for NATO operations withdrawn; BRC DME Latitude corrected; editorial.

CHANGE: Special areas for NATO operations withdrawn.



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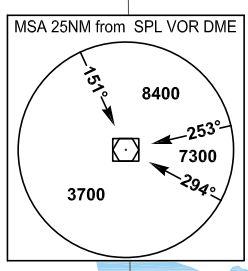
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

SPLIT ATIS 125.300
SPLIT RADAR 120.875
SPLIT TOWER 124.675

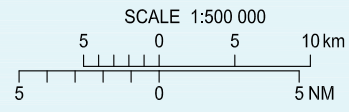
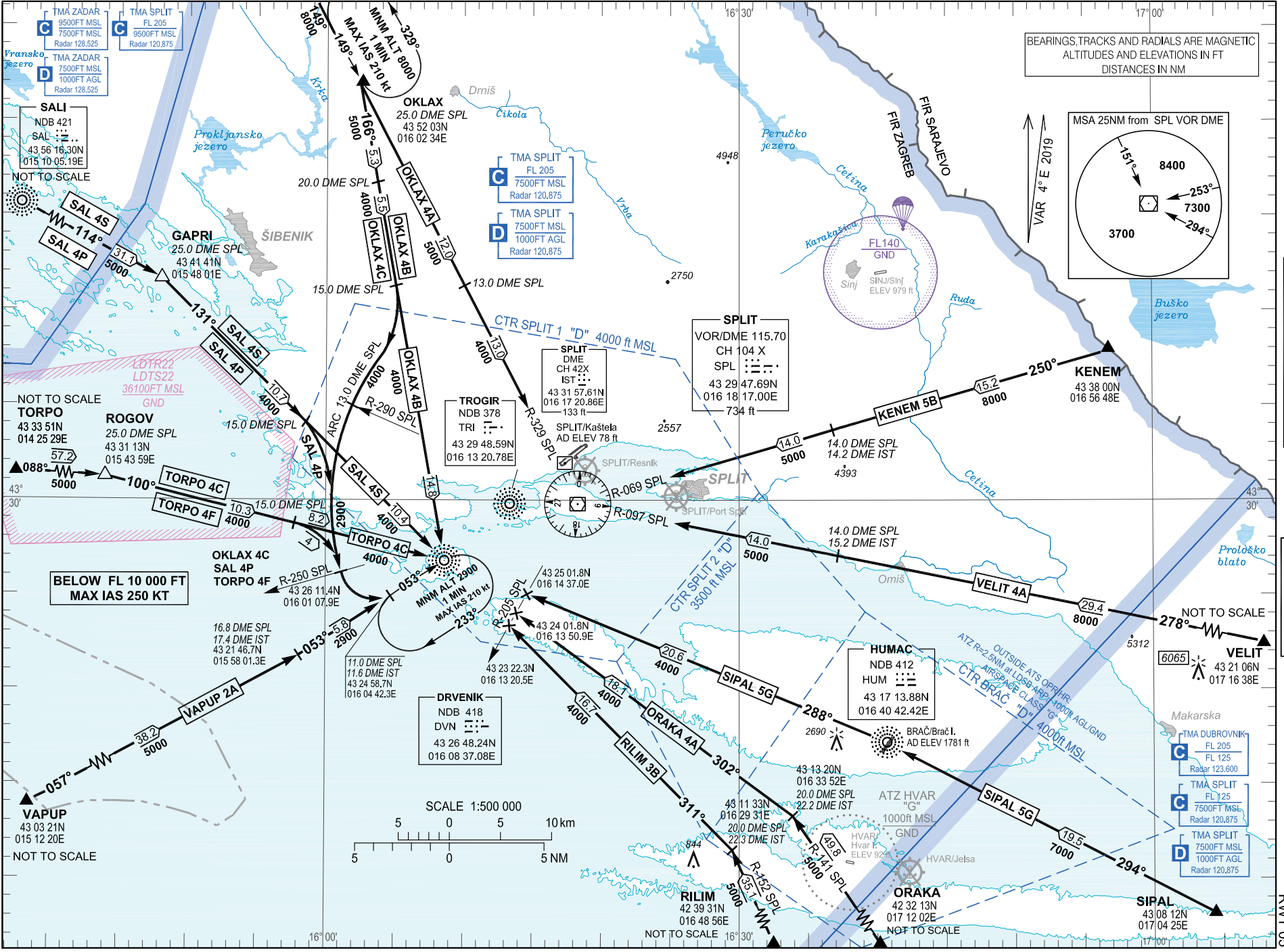
SPLIT / Kaštelja
CROATIA
RMY 05

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



VAR 4° E 2019

CHANGE: Special areas for NATO operations withdrawn.



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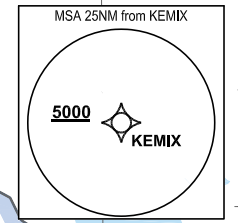
AIRAC AIP AMDT 004/2020

OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA
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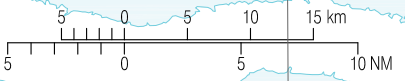
TRANSITION ALTITUDE
10 000

SPLIT ATIS
125.300
SPLIT RADAR
120.875
SPLIT TOWER
124.675

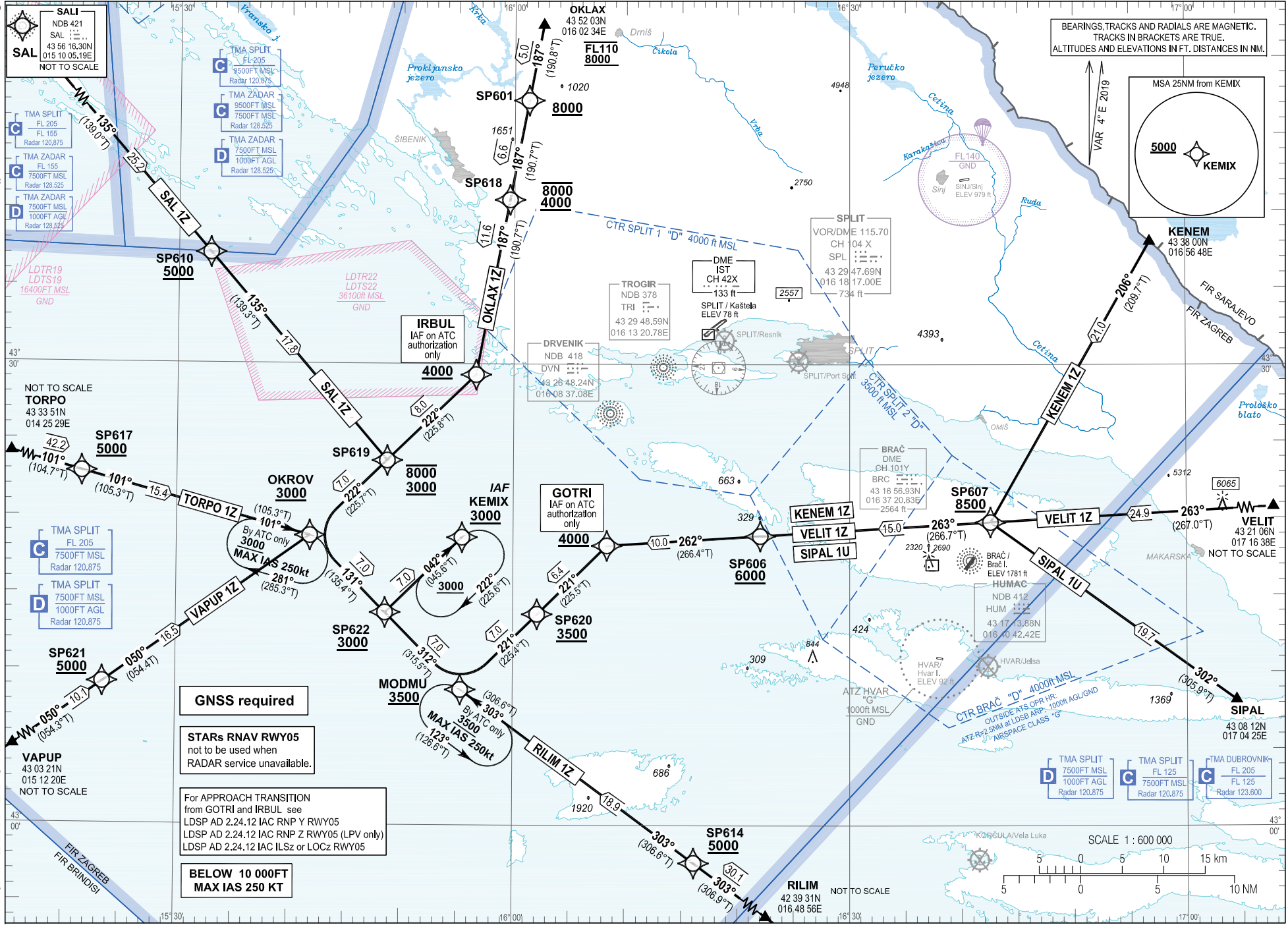
BEARINGS TRACKS AND RADIALS ARE MAGNETIC.
TRACKS IN BRACKETS ARE TRUE.
ALTITUDES AND ELEVATIONS IN FT. DISTANCES IN NM.



SCALE 1 : 600 000



CHANGE: Note regarding approach transition from GOTRI and IRBUL updated.



GNSS required

STARs RNAV Rwy05
not to be used when
RADAR service unavailable.

For APPROACH TRANSITION
from GOTRI and IRBUL see
LDSP AD 2.24.12 IAC RNP Y Rwy05
LDSP AD 2.24.12 IAC RNP Z Rwy05 (LPV only)
LDSP AD 2.24.12 IAC ILSz or LOCz Rwy05

BELOW 10 000FT
MAX IAS 250 KT

SALI
NDB 421
SAL
43 56 16.30N
015 10 05.19E
NOT TO SCALE

NOT TO SCALE
TORPO
43 33 51N
014 25 29E

NOT TO SCALE
VAPUP
43 03 21N
015 12 20E
NOT TO SCALE

SPLIT/ Kaštela

CROATIA

RNAV RWY 05

LDSP RNAV STANDARD ARRIVAL RWY 05												
Proposed tabular description for navigation database coding												
Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SAL 1Z	IF	SAL	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	SP610	-	135° (139.0°T)	4.00°E	25.2	-	+5000	-	-	
030		TF	SP619	-	135° (139.3°T)	4.00°E	17.8	-	-8000 +3000	-	-	
040		TF	OKROV	-	222° (225.7°T)	4.00°E	7.0	-	+3000	-	-	
050		TF	SP622	-	131° (135.4°T)	4.00°E	7.0	-	+3000	-	-	
060		TF	KEMIX	-	042° (045.6°T)	4.00°E	7.0	-	+3000	-	IAF	
010	OKLAX 1Z	IF	OKLAX	-	-	4.00°E	-	-	-FL110 +8000	-	-	RNAV 1
020		TF	SP601	-	187° (190.8°T)	4.00°E	5.0	-	+8000	-	-	
030		TF	SP618	-	187° (190.7°T)	4.00°E	6.6	-	-8000 +4000	-	-	
040		TF	IRBUL	-	187° (190.7°T)	4.00°E	11.6	-	+4000	-	IAF on ATC authorization only	
050		TF	SP619	-	222° (225.8°T)	4.00°E	8.0	-	-8000 +3000	-	-	
060		TF	OKROV	-	222° (225.7°T)	4.00°E	7.0	-	+3000	-	-	
070		TF	SP622	-	131° (135.4°T)	4.00°E	7.0	-	+3000	-	-	
080		TF	KEMIX	-	042° (045.6°T)	4.00°E	7.0	-	+3000	-	IAF	
010	KENEM 1Z	IF	KENEM	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	SP607	-	206° (209.7°T)	4.00°E	21.0	-	+8500	-	-	
030		TF	SP606	-	263° (266.7°T)	4.00°E	15.0	-	+6000	-	-	
040		TF	GOTRI	-	262° (266.4°T)	4.00°E	10.0	-	+4000	-	IAF on ATC authorization only	
050		TF	SP620	-	221° (225.5°T)	4.00°E	6.4	-	+3500	-	-	
060		TF	MODMU	-	221° (225.4°T)	4.00°E	7.0	-	+3500	-	-	
070		TF	SP622	-	312° (315.5°T)	4.00°E	7.0	-	+3000	-	-	
080		TF	KEMIX	-	042° (045.6°T)	4.00°E	7.0	-	+3000	-	IAF	

CHANGE: Note regarding approach transition from GOTRI and IRBUL updated.

LDSP RNAV STANDARD ARRIVAL RWY 05

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	VELIT 1Z	IF	VELIT	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	SP607	-	263° (267.0°T)	4.00°E	24.9	-	+8500	-	-	
030		TF	SP606	-	263° (266.7°T)	4.00°E	15.0	-	+6000	-	-	
040		TF	GOTRI	-	262° (266.4°T)	4.00°E	10.0	-	+4000	-	IAF on ATC authorization only	
050		TF	SP620	-	221° (225.5°T)	4.00°E	6.4	-	+3500	-	-	
060		TF	MODMU	-	221° (225.4°T)	4.00°E	7.0	-	+3500	-	-	
070		TF	SP622	-	312° (315.5°T)	4.00°E	7.0	-	+3000	-	-	
080		TF	KEMIX	-	042° (045.6°T)	4.00°E	7.0	-	+3000	-	IAF	
010	SIPAL 1U	IF	SIPAL	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	SP607	-	302° (305.9°T)	4.00°E	19.7	-	+8500	-	-	
030		TF	SP606	-	263° (266.7°T)	4.00°E	15.0	-	+6000	-	-	
040		TF	GOTRI	-	262° (266.4°T)	4.00°E	10.0	-	+4000	-	IAF on ATC authorization only	
050		TF	SP620	-	221° (225.5°T)	4.00°E	6.4	-	+3500	-	-	
060		TF	MODMU	-	221° (225.4°T)	4.00°E	7.0	-	+3500	-	-	
070		TF	SP622	-	312° (315.5°T)	4.00°E	7.0	-	+3000	-	-	
080		TF	KEMIX	-	042° (045.6°T)	4.00°E	7.0	-	+3000	-	IAF	
010	RILIM 1Z	IF	RILIM	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	SP614	-	303° (306.9°T)	4.00°E	30.1	-	+5000	-	-	
030		TF	MODMU	-	303° (306.6°T)	4.00°E	18.9	-	+3500	-	-	
040		TF	SP622	-	312° (315.5°T)	4.00°E	7.0	-	+3000	-	-	
050		TF	KEMIX	-	042° (045.6°T)	4.00°E	7.0	-	+3000	-	IAF	

CHANGE: Note regarding approach transition from GOTRI and IRBUL updated.

SPLIT/ Kaštela

CROATIA

RNAV RWY 05

LDSP RNAV STANDARD ARRIVAL RWY 05

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	VAPUP 1Z	IF	VAPUP	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	SP621	-	050° (054.3°T)	4.00°E	10.1	-	+5000	-	-	
030		TF	OKROV	-	050° (054.4°T)	4.00°E	16.5	-	+3000	-	-	
040		TF	SP622	-	131° (135.4°T)	4.00°E	7.0	-	+3000	-	-	
050		TF	KEMIX	-	042° (045.6°T)	4.00°E	7.0	-	+3000	-	IAF	
010	TORPO 1Z	IF	TORPO	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	SP617	-	101° (104.7°T)	4.00°E	42.2	-	+5000	-	-	
030		TF	OKROV	-	101° (105.3°T)	4.00°E	15.4	-	+3000	-	-	
040		TF	SP622	-	131° (135.4°T)	4.00°E	7.0	-	+3000	-	-	
050		TF	KEMIX	-	042° (045.6°T)	4.00°E	7.0	-	+3000	-	IAF	

IAF on ATC authorization only: For APPROACH TRANSITION from GOTRI and IRBUL see LDSP AD 2.24.12 IAC RNP Y RWY 05, LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only), LDSP AD 2.24.12 IAC ILSz or LOCz RWY 05.

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
KEMIX	HM	042° (045.6°T)	1MIN / -	R	3000	-	-	4.00°E	-	RNAV 1
OKROV	HM	101° (105.3°T)	1MIN / -	R	3000	-	250	4.00°E	HLDG by ATC only	RNAV 1
MODMU	HM	303° (306.6°T)	1MIN / -	L	3500	-	250	4.00°E	HLDG by ATC only	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
SAL	435616.30N	0151005.19E
GOTRI	431811.7N	0160821.4E
IRBUL	432917.5N	0155638.4E
KEMIX	431842.4N	0155526.9E
MODMU	430848.2N	0155520.2E
OKROV	431848.1N	0154153.1E
KENEM	433800N	0165648E
OKLAX	435203N	0160234E
RILIM	423931N	0164856E
SIPAL	430812N	0170425E
TORPO	433351N	0142529E

Waypoint name	WGS-84 latitude	WGS-84 longitude
VAPUP	430321N	0151220E
VELIT	432106N	0171638E
SP601	434708.0N	0160117.2E
SP606	431849.9N	0162201.7E
SP607	431944.2N	0164232.8E
SP610	433710.7N	0153251.9E
SP614	425733.3N	0161606.9E
SP617	432254.6N	0152130.4E
SP618	434040.2N	0155935.9E
SP619	432341.6N	0154845.0E
SP620	431343.4N	0160208.8E
SP621	430913.4N	0152330.6E
SP622	431348.8N	0154836.6E

CHANGE: Note regarding approach transition from GOTRI and IRBUL updated.

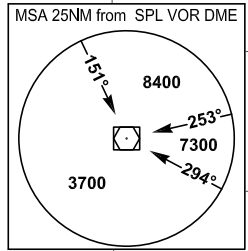
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

SPLIT ATIS 125.300
SPLIT RADAR 120.875
SPLIT TOWER 124.675

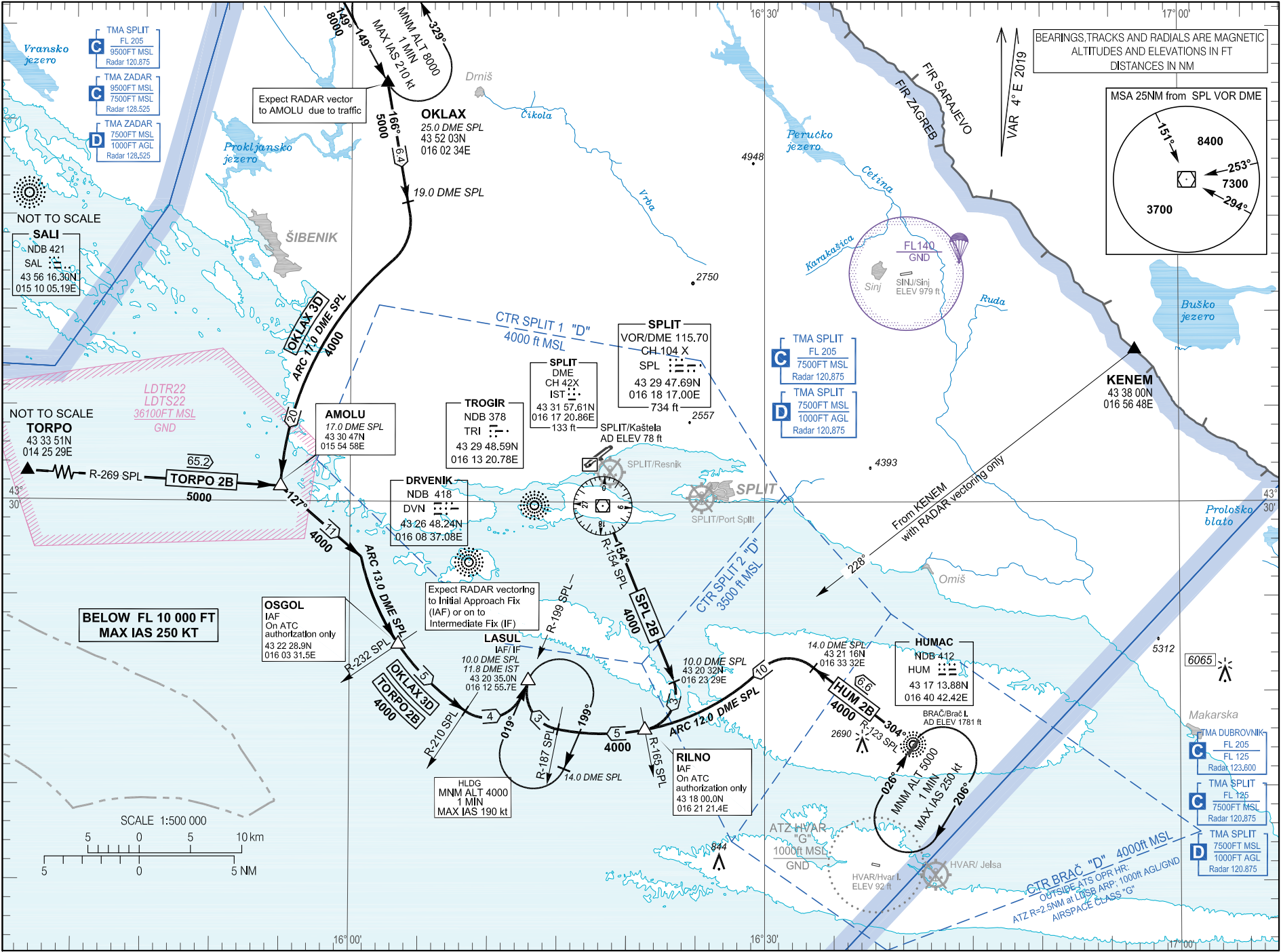
SPLIT / Kašela
CROATIA
RMY 23

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



VAR 4° E 2019

CHANGE: Special areas for NATO operations withdrawn; Editorial.



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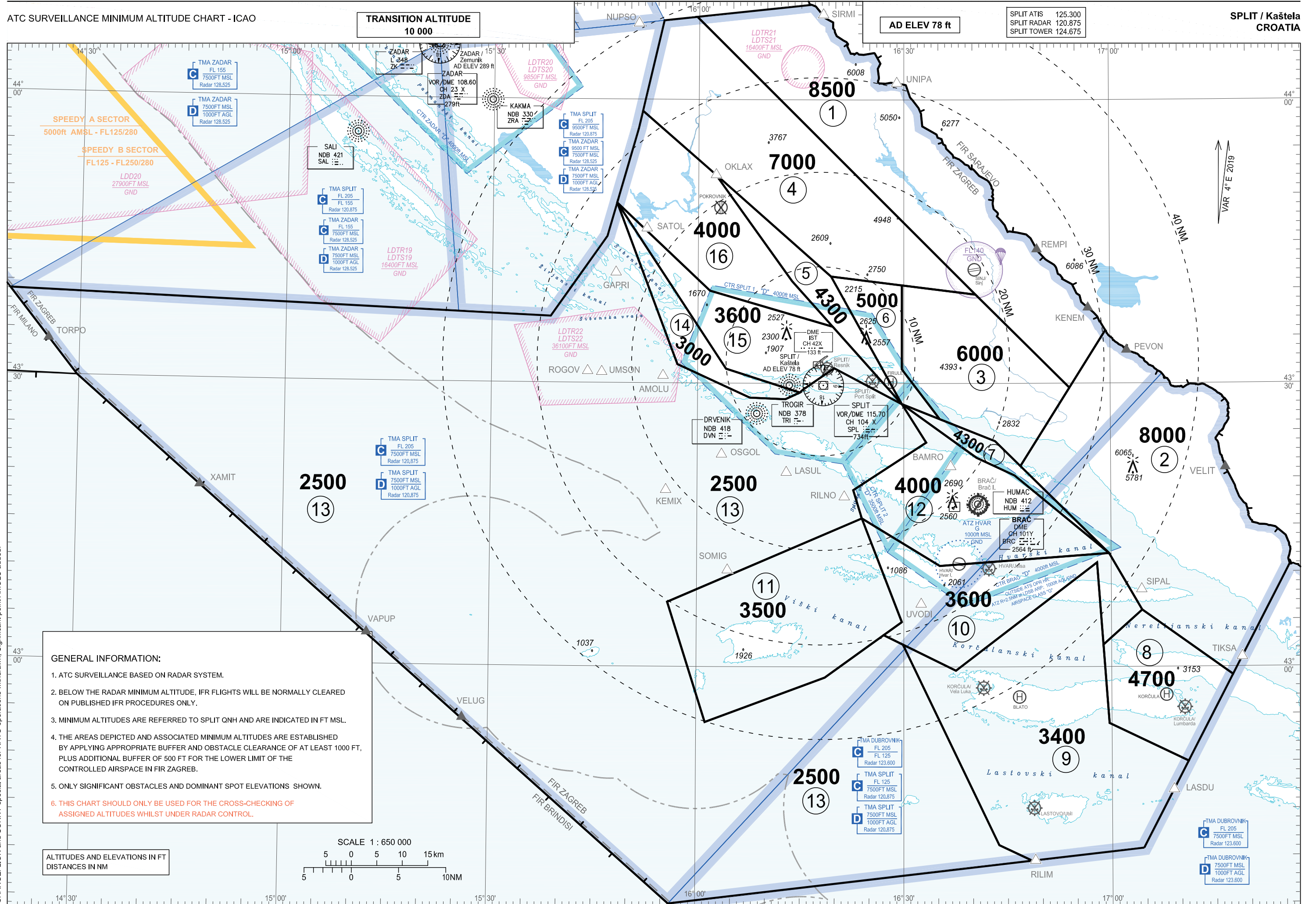
Hrvatska kontrola zračne plovidbe d.o.o.

AIRAC AIP AMDT 004/2020

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ATC SURVEILLANCE MINIMUM ALTITUDE CHART - ICAO

SPLIT / Kaštela
CROATIA



CHANGE: LION and SONNY special areas for NATO operations withdrawn; Significant point AMOLU added.

SECTOR 1	WGS-84 latitude	WGS-84 longitude
	441003N	0161628E
along FIR BDRY Zagreb-Sarajeco		
433536N	0165920E	
432932N	0165404E	
433924N	0164026E	
440844N	0155940E	
441003N	0161628E	

SECTOR 7	WGS-84 latitude	WGS-84 longitude
	432749N	0162943E
432613N	0163513E	
432353N	0164315E	
432115N	0164655E	
431200N	0165942E	
432015N	0164604E	
432208N	0164033E	
432749N	0162943E	

SECTOR 12	WGS-84 latitude	WGS-84 longitude
	432749N	0162943E
432208N	0164033E	
432015N	0164604E	
431200N	0165942E	
431041N	0163513E	
431543N	0162354E	
431843N	0162240E	
432345N	0163315E	
432749N	0162943E	

SECTOR 15	WGS-84 latitude	WGS-84 longitude
	434902N	0154806E
433946N	0160144E	
433600N	0161938E	
432749N	0162943E	
433137N	0161951E	
432917N	0161515E	
432902N	0161453E	
433131N	0160407E	
434902N	0154806E	

SECTOR 2	WGS-84 latitude	WGS-84 longitude
	433536N	0165920E
along FIR BDRY Zagreb-Sarajeco		
431049N	0172551E	
425908N	0171730E	
430600N	0170427E	
431200N	0165942E	
432115N	0164655E	
432932N	0165404E	
433536N	0165920E	

SECTOR 8	WGS-84 latitude	WGS-84 longitude
	430600N	0170427E
425908N	0171730E	
425500N	0171433E	
425256N	0171305E	
425000N	0171101E	
425401N	0165939E	
430220N	0165850E	
430600N	0170427E	

SECTOR 13	WGS-84 latitude	WGS-84 longitude
	434902N	0154806E
433159N	0155703E	
432828N	0160736E	
432819N	0161246E	
432902N	0161453E	
432917N	0161515E	
433137N	0161951E	
432749N	0162943E	
432345N	0163315E	
431843N	0162240E	
431543N	0162354E	
430650N	0155546E	
425407N	0160118E	
425852N	0161835E	
430322N	0162705E	
430222N	0162952E	
424108N	0164343E	
423929N	0164827E	
423454N	0155610E	
along FIR BDRY Zagreb-Bridisi		
along FIR BDRY Zagreb-Milano		
433902N	0141944E	
433700N	0153833E	
434530N	0154643E	
434902N	0154806E	

SECTOR 16	WGS-84 latitude	WGS-84 longitude
	435846N	0155146E
435205N	0160228E	
434048N	0161343E	
433600N	0161938E	
433946N	0160144E	
434902N	0154806E	
435700N	0155113E	
435846N	0155146E	

SECTOR 3	WGS-84 latitude	WGS-84 longitude
	434023N	0162943E
433924N	0164026E	
432932N	0165404E	
432115N	0164655E	
432353N	0164315E	
432613N	0163513E	
433130N	0162943E	
434023N	0162943E	

SECTOR 9	WGS-84 latitude	WGS-84 longitude
	425000N	0171101E
424048N	0170431E	
423929N	0164827E	
424108N	0164343E	
430222N	0162952E	
425936N	0163731E	
431101N	0165758E	
430220N	0165850E	
425401N	0165939E	
425000N	0171101E	

SECTOR 4	WGS-84 latitude	WGS-84 longitude
	440844N	0155940E
433924N	0164026E	
434023N	0162943E	
434118N	0161923E	
435205N	0160228E	
435846N	0155146E	
440821N	0155450E	
440844N	0155940E	

SECTOR 10	WGS-84 latitude	WGS-84 longitude
	430322N	0162705E
430445N	0162943E	
431543N	0162354E	
431041N	0163513E	
431200N	0165942E	
430600N	0170427E	
430220N	0165850E	
431101N	0165758E	
425936N	0163731E	
430222N	0162952E	
430322N	0162705E	

SECTOR 14	WGS-84 latitude	WGS-84 longitude
	434902N	0154806E
433131N	0160407E	
432902N	0161453E	
432819N	0161246E	
432828N	0160736E	
433159N	0155703E	
434902N	0154806E	

SECTOR 5	WGS-84 latitude	WGS-84 longitude
	435205N	0160228E
434118N	0161923E	
432749N	0162943E	
433600N	0161938E	
434048N	0161343E	
435205N	0160228E	

SECTOR 11	WGS-84 latitude	WGS-84 longitude
	431543N	0162354E
430445N	0162943E	
430322N	0162705E	
425852N	0161835E	
425407N	0160118E	
430650N	0155546E	
431543N	0162354E	

SECTOR 6	WGS-84 latitude	WGS-84 longitude
	434118N	0161923E
434023N	0162943E	
433130N	0162943E	
432613N	0163513E	
432749N	0162943E	
434118N	0161923E	

CHANGE: LION and SONNY special areas for NATO operations withdrawn. Significant point AMOLU added.

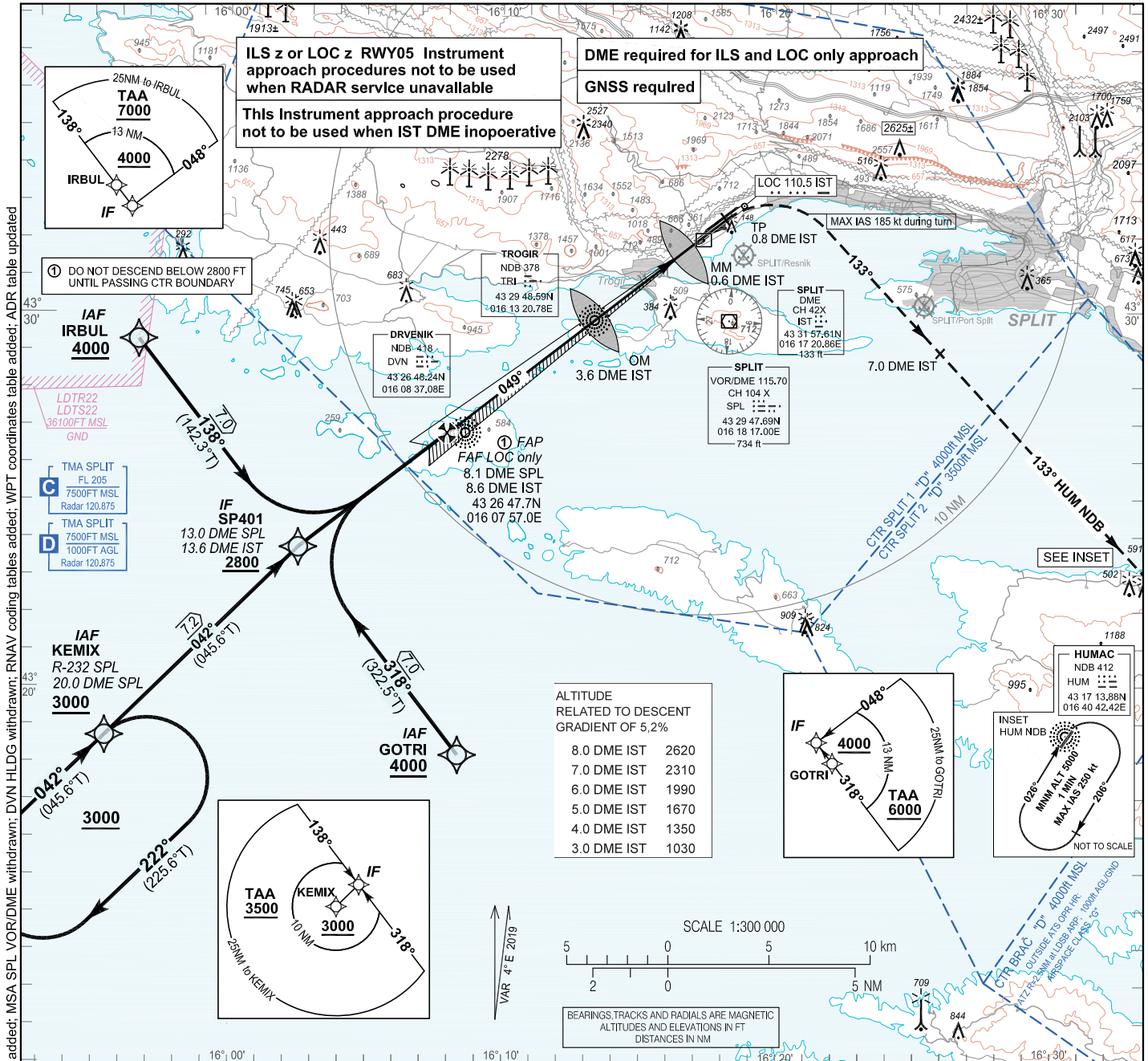
INSTRUMENT APPROACH
CHART - ICAO

AD ELEV 78
HEIGHTS RELATED
TO THR 05 ELEV 70

SPLIT ATIS 125.300
SPLIT RADAR 120.875
SPLIT TOWER 124.675

SPLIT/ Kaštela
CROATIA

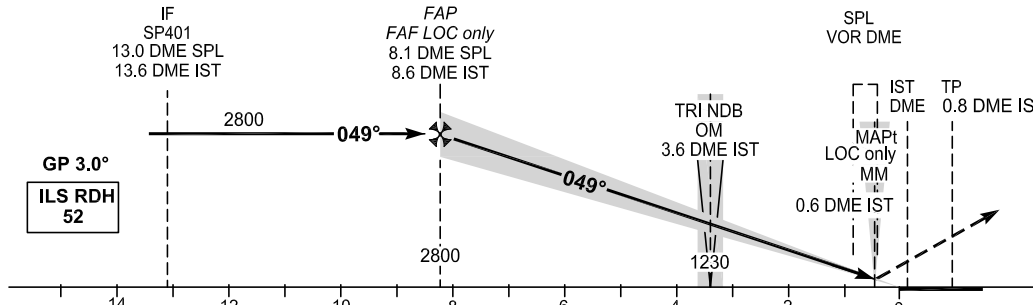
ILS z or LOC z RWY 05
(RNAV 1 to ILS or LOC transition)



ALTITUDE RELATED TO DESCENT GRADIENT OF 5.2%

8.0 DME IST	2620
7.0 DME IST	2310
6.0 DME IST	1990
5.0 DME IST	1670
4.0 DME IST	1350
3.0 DME IST	1030

TRANSITION ALT 10 000



MISSED APPROACH:
Climb straight ahead. At 0.8 DME IST (after passing THR 05) turn RIGHT climbing on track 133°. From 7.0 DME IST intercept and follow QDM 133° HUM climbing to HUM NDB at 5000 and HOLD. MAX IAS 185 kt during turn.

OCA(H)		A	B	C	D
Straight-in Approach	ILS CAT I press. altim.	420 (350)	430 (360)	440 (370)	450 (380)
	LOC only	870 (800)			

GS(kt)	70	100	120	140	160	180
Rate of descent (ft/min)	369	527	632	737	843	948

CHANGE: Initial and intermediate segments; KEMIX HLDG added; TAA added; MSA SPL VOR/DME withdrawn; DVN HLDG withdrawn; RNAV coding tables added; WPT coordinates table added; ADR table updated

LDSP ILS z or LOC z RWY05 (RNAV 1 to ILS OR LOC transition)

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	GOTRI	-	-	4.00°E	-	-	+4000	-	-	-	RNAV 1
020	IF	TF	SP401	-	318° (322.5° T)	4.00°E	7.0	-	+2800	-	-	-	
010	IAF	IF	KEMIX	-	-	4.00°E	-	-	+3000	-	-	-	RNAV 1
020	IF	TF	SP401	-	042° (045.6° T)	4.00°E	7.2	-	+2800	-	-	-	
010	IAF	IF	IRBUL	-	-	4.00°E	-	-	+4000	-	-	-	RNAV 1
020	IF	TF	SP401	-	138° (142.3° T)	4.00°E	7.0	-	+2800	-	-	-	

AERONAUTICAL DATABASE REQUIREMENTS

Conventional procedure essential fixes/points

ILS z or LOC z RWY05

LOC only - final approach descent angle: 3.00°

Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IF (SP401)	43 23 44.7N 016 02 30.4E	-	-
FAF LOC only	43 26 47.7N 016 07 57.0E	052.57° (IST LOC)	8.10 DME SPL 8.57 DME IST
SDF LOC only (OM05)	See LDSP AD 2.19	052.57° (IST LOC)	3.62 DME IST
MAPt	See LDSP AD 2.19	052.57° (IST LOC)	0.62 DME IST
TP	43 32 29.8N 016 18 09.9E	052.57° (IST LOC)	0.80 DME IST

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
KEMIX	HM	042° (045.6°T)	1MIN / -	R	3000	-	-	4°E	-	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 Latitude	WGS-84 Longitude
GOTRI	431811.7N	0160821.4E
IRBUL	432917.5N	0155638.4E
KEMIX	431842.4N	0155526.9E
SP401	432344.7N	0160230.4E

CHANGE: Initial and intermediate segments: KEMIX HLDG added; TAA added; MSA SPL VOR/DME withdrawn; DVN HLDG withdrawn; RNAV coding tables added; WPT coordinates table added; ADR table updated