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AIRAC AIP AMDT 013/2024
Effective Date: 23 JAN 2025
Publication Date: 12 DEC 2024

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 - corrected and updated
- **GEN 0.6** - Table of contents to Part 1 - updated
- **GEN 3.2.4** - Aeronautical charts series available - editorial change

ENR

- **ENR 0.6** - Table of contents to Part 2 - updated
- **ENR 5.4** - Air navigation obstacles - updated

AD

- **AD 0.6** - Table of contents to Part 3 - updated
- **AD 1.1.3** - Low visibility procedures (LVP) - updated (AD LDOS added)
- **LDDU AD 2** - New Charts:
  - Standard Departure Chart - Instrument - ICAO RNAV RWY 11 (LDDU AD 2.24.8 SID RNAV RWY 11 -1/4)
  - Standard Departure Chart - Instrument - ICAO RNAV RWY 29 (LDDU AD 2.24.8 SID RNAV RWY 29 -1/2)
  - Standard Arrival Chart - Instrument - ICAO RNAV RWY 11 (LDDU AD 2.24.10 STAR RNAV RWY 11 -1/6)
  - Standard Arrival Chart - Instrument - ICAO RNAV RWY 29 (LDDU AD 2.24.10 STAR RNAV RWY 29 -1/6)
- **LDLO AD 2** - New Charts:
  - Standard Departure Chart - Instrument - ICAO RWY 02 (LDLO AD 2.24.8 SID RWY 02 -1/2)
  - Standard Departure Chart - Instrument - ICAO RNAV RWY 02 CAT A&B (LDLO AD 2.24.8 SID RNAV RWY 02 CAT A&B -1/2)
  - Standard Departure Chart - Instrument - ICAO RWY 20 (LDLO AD 2.24.8 SID RWY 20 -1/2)
  - Standard Departure Chart - Instrument - ICAO RNAV RWY 20 CAT A&B (LDLO AD 2.24.8 SID RNAV RWY 20 CAT A&B -1/2)
  - Standard Arrival Chart - Instrument - ICAO RWY 02/20 (LDLO AD 2.24.10 STAR RWY 02/20 -1/2)
  - Standard Arrival Chart - Instrument - ICAO RNAV RWY 02 CAT A&B (LDLO AD 2.24.10 STAR RNAV RWY 02 CAT A&B -1/2)
  - Standard Arrival Chart - Instrument - ICAO RNAV RWY 20 CAT A&B (LDLO AD 2.24.10 STAR RNAV RWY 20 CAT A&B -1/2)
  - Instrument Approach Chart - ICAO NDB-a RWY 02/20 CAT A&B (LDLO AD 2.24.12 IAC NDB-a RWY 02/20 CAT A&B -1/2)
  - Instrument Approach Chart - ICAO VOR RWY 02 CAT A&B (LDLO AD 2.24.12 IAC VOR RWY 02 CAT A&B -1/2)
  - Instrument Approach Chart - ICAO RNP RWY 02 (LDLO AD 2.24.12 IAC RNP RWY 02 -1/4)
  - Instrument Approach Chart - ICAO RNP RWY 20 (LPV & LNAV/VNAV only) (LDLO AD 2.24.12 IAC RNP RWY 20 (LPV & LNAV/VNAV only) -1/4)
  - Visual Operation Chart (LDLO AD 2.24.13 VOC -1/2)
- **LDOS AD 2.9, 2.10, 2.15, 2.20, 2.22** - RWY guard lights added; editorial change; secondary power supply data changed; LVP added (updated), and other editorial changes

- **LDOS AD 2** - New Chart:
  - Aerodrome Chart - ICAO (LDOS AD 2.24.1 ADC -1/2)
- **LDZD AD 2.10** - Aerodrome obstacles - editorial change

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: A2985/24 and A3223/24

NOTAMs incorporated in this amendment will be cancelled by NOTAMC

SUP: NIL

AIC: NIL

5. Insert / remove the pages as shown in list on the next page:

Insert the following pages

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LDOS AD 2.24.1 ADC - 1/2	02 DEC 2021 / 02 DEC 2021
LDZD AD 2 - 5/6	13 JUN 2024 / 08 AUG 2024

AIRAC AIP AMENDMENT			
NR/Year	*Publication date*	*Effective date*	*Inserted by*
013/2024	12 DEC 2024	23 JAN 2025	

AIP AMENDMENT			
NR/Year	*Publication date*	*Date inserted*	*Inserted by*
002/2012	13-Apr-2012	13-Apr-2012	
001/2014	22-Aug-2014	22-Aug-2014	
001/2015	01-Feb-2015	01-Feb-2015	
002/2015	01-Jun-2015	01-Jun-2015	
003/2015	11-Jun-2015	23-Jul-2015	
004/2015	26-Oct-2015	26-Oct-2015	
001/2016	22-Jan-2016	22-Jan-2016	
002/2016	15-Mar-2016	15-Mar-2016	
003/2016	02-Aug-2016	02-Aug-2016	
001/2017	06-Jan-2017	06-Jan-2017	
002/2017	06-Jul-2017	21-Jul-2017	
001/2019	02-Jul-2019	19-Jul-2019	
002/2019	20-Nov-2019	06-Dec-2019	
001/2020	31-Aug-2020	14-Sep-2020	

GEN 0.3 RECORD OF AIP SUPPLEMENTS

NR/Year	Subject	AIP Section(s) Affected	Period of Validity	Cancellation Record
014/2023	LDZA - ZAGREB/Franjo Tudjman Airport - Construction works at military area	LDZA AD 2	16-Nov-2023 - UFN	
005/2024	Ad-hoc established TRA/TSA flexible structures (for MIL use only) - Zagreb FIR lower airspace	ENR 5	02-May-2024 - UFN	
006/2024	Ad-hoc established D (Danger area) flexible structures	ENR 1 ENR 5	29-May-2024 - UFN	
010/2024	LDZA — ZAGREB/Franjo Tudjman Airport — Announcement of works on the RWY (THR 04) and TWY A	LDZA AD 2	26-Dec-2024 - UFN	
001/2025	LDZD - ZADAR/Zemunik Airport - Apron current status and planned expansion of Main passenger terminal building	LDZD AD 2	23-Jan-2025 - UFN	
002/2025	LDDU - DUBROVNIK/Rudjer Boskovic Airport- Supplementary flight procedures during VOR/ DME DBK relocation WIP	LDDU AD 2	23-Jan-2025 - UFN	

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GEN 0.4 - 5	23 JAN 2025
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LDZA AD 2 - 23	05 SEP 2024
LDZA AD 2 - 24	05 SEP 2024
LDZA AD 2.24.1 ADC - 1	28 NOV 2024
LDZA AD 2.24.1 ADC - 2	28 NOV 2024
LDZA AD 2.24.2 APDC EAST - 1	06 OCT 2022
LDZA AD 2.24.2 APDC EAST - 2	06 OCT 2022
LDZA AD 2.24.2 APDC WEST - 1	18 MAY 2023
LDZA AD 2.24.2 APDC WEST - 2	18 MAY 2023
LDZA AD 2.24.4 AOC RWY 04/22 - 1	26 MAR 2020
LDZA AD 2.24.6 PATC RWY 04 - 1	26 MAR 2020
LDZA AD 2.24.6 PATC RWY 04 - 2	26 MAR 2020
LDZA AD 2.24.8 SID RWY 04 - 1	05 SEP 2024
LDZA AD 2.24.8 SID RWY 04 - 2	05 SEP 2024
LDZA AD 2.24.8 SID RNAV RWY 04 - 1	05 SEP 2024
LDZA AD 2.24.8 SID RNAV RWY 04 - 2	05 SEP 2024
LDZA AD 2.24.8 SID RNAV RWY 04 - 3	05 SEP 2024
LDZA AD 2.24.8 SID RNAV RWY 04 - 4	05 SEP 2024
LDZA AD 2.24.8 SID RWY 22 - 1	05 SEP 2024
LDZA AD 2.24.8 SID RWY 22 - 2	05 SEP 2024
LDZA AD 2.24.8 SID RNAV RWY 22 - 1	05 SEP 2024
LDZA AD 2.24.8 SID RNAV RWY 22 - 2	05 SEP 2024
LDZA AD 2.24.8 SID RNAV RWY 22 - 3	05 SEP 2024
LDZA AD 2.24.8 SID RNAV RWY 22 - 4	05 SEP 2024
LDZA AD 2.24.10 STAR RWY 04 - 1	05 SEP 2024
LDZA AD 2.24.10 STAR RWY 04 - 2	05 SEP 2024
LDZA AD 2.24.10 STAR RNAV RWY 04 - 1	05 SEP 2024
LDZA AD 2.24.10 STAR RNAV RWY 04 - 2	05 SEP 2024
LDZA AD 2.24.10 STAR RNAV RWY 04 - 3	05 SEP 2024
LDZA AD 2.24.10 STAR RNAV RWY 04 - 4	05 SEP 2024
LDZA AD 2.24.10 STAR RWY 22 - 1	05 SEP 2024
LDZA AD 2.24.10 STAR RWY 22 - 2	05 SEP 2024
LDZA AD 2.24.10 STAR RNAV RWY 22 - 1	05 SEP 2024
LDZA AD 2.24.10 STAR RNAV RWY 22 - 2	05 SEP 2024
LDZA AD 2.24.10 STAR RNAV RWY 22 - 3	05 SEP 2024
LDZA AD 2.24.10 STAR RNAV RWY 22 - 4	05 SEP 2024
LDZA AD 2.24.11 ATCSMAC - 1	05 SEP 2024
LDZA AD 2.24.11 ATCSMAC - 2	05 SEP 2024
LDZA AD 2.24.12 IAC L RWY 04 - 1	05 SEP 2024
LDZA AD 2.24.12 IAC L RWY 04 - 2	05 SEP 2024
LDZA AD 2.24.12 IAC ILS y or LOC y RWY 04 - 1	05 SEP 2024
LDZA AD 2.24.12 IAC ILS y or LOC y RWY 04 - 2	05 SEP 2024
LDZA AD 2.24.12 IAC ILS z or LOC z RWY 04 - 1	05 SEP 2024
LDZA AD 2.24.12 IAC ILS z or LOC z RWY 04 - 2	05 SEP 2024
LDZA AD 2.24.12 IAC L RWY 22 - 1	05 SEP 2024
LDZA AD 2.24.12 IAC L RWY 22 - 2	05 SEP 2024
LDZA AD 2.24.12 IAC ILS y or LOC y RWY 22 - 1	05 SEP 2024
LDZA AD 2.24.12 IAC ILS y or LOC y RWY 22 - 2	05 SEP 2024
LDZA AD 2.24.12 IAC ILS z or LOC z RWY 22 - 1	05 SEP 2024
LDZA AD 2.24.12 IAC ILS z or LOC z RWY 22 - 2	05 SEP 2024
LDZA AD 2.24.12 IAC RNP RWY 04 - 1	05 SEP 2024
LDZA AD 2.24.12 IAC RNP RWY 04 - 2	05 SEP 2024
LDZA AD 2.24.12 IAC RNP RWY 04 - 3	05 SEP 2024
LDZA AD 2.24.12 IAC RNP RWY 04 - 4	05 SEP 2024
LDZA AD 2.24.12 IAC RNP RWY 22 - 1	05 SEP 2024
LDZA AD 2.24.12 IAC RNP RWY 22 - 2	05 SEP 2024
LDZA AD 2.24.12 IAC RNP RWY 22 - 3	05 SEP 2024
LDZA AD 2.24.12 IAC RNP RWY 22 - 4	05 SEP 2024
LDZA AD 2.24.13 VOC - 1	05 SEP 2024
LDZA AD 2.24.13 VOC - 2	05 SEP 2024
LDZA AD 2.24.14 BC - 1	23 APR 2020
LDZA AD 2.24.14 BC - 2	23 APR 2020
LDZD AD 2 - 1	30 NOV 2023
LDZD AD 2 - 2	16 MAY 2024
LDZD AD 2 - 3	08 AUG 2024
LDZD AD 2 - 4	13 JUN 2024
LDZD AD 2 - 5	23 JAN 2025
LDZD AD 2 - 6	23 JAN 2025
LDZD AD 2 - 7	30 NOV 2023
LDZD AD 2 - 8	30 NOV 2023
LDZD AD 2 - 9	08 AUG 2024
LDZD AD 2 - 10	25 JAN 2024
LDZD AD 2 - 11	13 JUL 2024
LDZD AD 2 - 12	13 JUN 2024
LDZD AD 2 - 13	13 JUN 2024
LDZD AD 2 - 14	13 JUN 2024
LDZD AD 2 - 15	13 JUN 2024
LDZD AD 2 - 16	03 NOV 2022
LDZD AD 2 - 17	03 NOV 2022
LDZD AD 2 - 18	08 AUG 2024
LDZD AD 2.24.1 ADC - 1	23 MAY 2019
LDZD AD 2.24.1 ADC - 2	23 MAY 2019
LDZD AD 2.24.2 APDC - 1	10 OCT 2019
LDZD AD 2.24.2 APDC - 2	10 OCT 2019
LDZD AD 2.24.4 AOC RWY 04/22 - 1	05 OCT 2023
LDZD AD 2.24.4 AOC RWY 13/31 - 1	05 OCT 2023
LDZD AD 2.24.8 SID RWY 04 - 1	16 MAY 2024
LDZD AD 2.24.8 SID RWY 04 - 2	16 MAY 2024
LDZD AD 2.24.8 SID RNAV RWY 04 - 1	16 MAY 2024
LDZD AD 2.24.8 SID RNAV RWY 04 - 2	16 MAY 2024
LDZD AD 2.24.8 SID RNAV RWY 04 - 3	16 MAY 2024
LDZD AD 2.24.8 SID RNAV RWY 04 - 4	16 MAY 2024
LDZD AD 2.24.8 SID RWY 13 - 1	18 APR 2024
LDZD AD 2.24.8 SID RWY 13 - 2	18 APR 2024
LDZD AD 2.24.8 SID RNAV RWY 13 - 1	18 APR 2024
LDZD AD 2.24.8 SID RNAV RWY 13 - 2	18 APR 2024
LDZD AD 2.24.8 SID RNAV RWY 13 - 3	18 APR 2024
LDZD AD 2.24.8 SID RNAV RWY 13 - 4	18 APR 2024
LDZD AD 2.24.8 SID RWY 22 - 1	16 MAY 2024
LDZD AD 2.24.8 SID RWY 22 - 2	16 MAY 2024
LDZD AD 2.24.8 SID RNAV RWY 22 - 1	16 MAY 2024
LDZD AD 2.24.8 SID RNAV RWY 22 - 2	16 MAY 2024
LDZD AD 2.24.8 SID RWY 31 - 1	18 APR 2024
LDZD AD 2.24.8 SID RWY 31 - 2	18 APR 2024
LDZD AD 2.24.8 SID RNAV RWY 31 - 1	18 APR 2024
LDZD AD 2.24.8 SID RNAV RWY 31 - 2	18 APR 2024
LDZD AD 2.24.8 SID RNAV RWY 31 - 3	18 APR 2024
LDZD AD 2.24.8 SID RNAV RWY 31 - 4	18 APR 2024
LDZD AD 2.24.10 STAR RWY 04 & 13/31 - 1	18 APR 2024
LDZD AD 2.24.10 STAR RWY 04 & 13/31 - 2	18 APR 2024
LDZD AD 2.24.10 STAR RNAV RWY 04 - 1	16 MAY 2024
LDZD AD 2.24.10 STAR RNAV RWY 04 - 2	16 MAY 2024
LDZD AD 2.24.10 STAR RNAV RWY 04 - 3	16 MAY 2024
LDZD AD 2.24.10 STAR RNAV RWY 04 - 4	16 MAY 2024
LDZD AD 2.24.10 STAR RNAV RWY 13 - 1	18 APR 2024
LDZD AD 2.24.10 STAR RNAV RWY 13 - 2	18 APR 2024
LDZD AD 2.24.10 STAR RNAV RWY 13 - 3	18 APR 2024
LDZD AD 2.24.10 STAR RNAV RWY 13 - 4	18 APR 2024
LDZD AD 2.24.10 STAR RNAV RWY 31 - 1	18 APR 2024
LDZD AD 2.24.10 STAR RNAV RWY 31 - 2	18 APR 2024
LDZD AD 2.24.10 STAR RNAV RWY 31 - 3	18 APR 2024
LDZD AD 2.24.10 STAR RNAV RWY 31 - 4	18 APR 2024
LDZD AD 2.24.11 ATCSMAC - 1	18 APR 2024
LDZD AD 2.24.11 ATCSMAC - 2	18 APR 2024
LDZD AD 2.24.12 IAC VOR RWY 04 - 1	16 MAY 2024
LDZD AD 2.24.12 IAC VOR RWY 04 - 2	16 MAY 2024
LDZD AD 2.24.12 IAC Ly RWY 13 - 1	18 APR 2024
LDZD AD 2.24.12 IAC Ly RWY 13 - 2	18 APR 2024
LDZD AD 2.24.12 IAC Lz RWY 13 - 1	18 APR 2024
LDZD AD 2.24.12 IAC Lz RWY 13 - 2	18 APR 2024
LDZD AD 2.24.12 IAC VOR RWY 13 - 1	18 APR 2024
LDZD AD 2.24.12 IAC VOR RWY 13 - 2	18 APR 2024
LDZD AD 2.24.12 IAC ILS or LOC RWY 13 - 1	18 APR 2024
LDZD AD 2.24.12 IAC ILS or LOC RWY 13 - 2	18 APR 2024
LDZD AD 2.24.12 IAC RNP RWY 04 - 1	16 MAY 2024
LDZD AD 2.24.12 IAC RNP RWY 04 - 2	16 MAY 2024

Page	Date	Page	Date
LDZD AD 2.24.12 IAC RNP RWY 04 - 3	16 MAY 2024		
LDZD AD 2.24.12 IAC RNP RWY 04 - 4	16 MAY 2024		
LDZD AD 2.24.12 IAC RNP Y RWY 13 - 1	18 APR 2024		
LDZD AD 2.24.12 IAC RNP Y RWY 13 - 2	18 APR 2024		
LDZD AD 2.24.12 IAC RNP Y RWY 13 - 3	18 APR 2024		
LDZD AD 2.24.12 IAC RNP Y RWY 13 - 4	18 APR 2024		
LDZD AD 2.24.12 IAC RNP Z RWY 13 - 1	18 APR 2024		
LDZD AD 2.24.12 IAC RNP Z RWY 13 - 2	18 APR 2024		
LDZD AD 2.24.12 IAC RNP Z RWY 13 - 3	18 APR 2024		
LDZD AD 2.24.12 IAC RNP Z RWY 13 - 4	18 APR 2024		
LDZD AD 2.24.12 IAC RNP RWY 31 - 1	16 MAY 2024		
LDZD AD 2.24.12 IAC RNP RWY 31 - 2	16 MAY 2024		
LDZD AD 2.24.12 IAC RNP RWY 31 - 3	16 MAY 2024		
LDZD AD 2.24.12 IAC RNP RWY 31 - 4	16 MAY 2024		
LDZD AD 2.24.12 IAC L RWY 31 - 1	16 MAY 2024		
LDZD AD 2.24.12 IAC L RWY 31 - 2	16 MAY 2024		
LDZD AD 2.24.12 IAC VOR RWY 31 - 1	16 MAY 2024		
LDZD AD 2.24.12 IAC VOR RWY 31 - 2	16 MAY 2024		
LDZD AD 2.24.13 VOC - 1	18 APR 2024		
LDZD AD 2.24.13 VOC - 2	18 APR 2024		

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GEN 0.5 LIST OF HAND AMENDMENTS TO THE AIP

AIP page(s) affected	Amendment text	Introduced by AIP AMDT number:
1	2	3
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)
LDSB AD 2.24.2 APDC -1	ACL ELEV is 1736 FT.	AIRAC AIP AMDT 007/2021 (12 AUG 2021)
LDDU AD 2.24.1 ADC -1	Use of TWY B by ACFT code letter E only if approved by ATC and strictly guided by FOLLOW ME vehicle.	AIRAC AIP AMDT 008/2021 (09 SEP 2021)
LDZA AD 2.24.6 PATC RWY 04 -1	GP 04 RDH is changed to 54 FT.	AIRAC AIP AMDT 010/2021 (04 NOV 2021)
LDZD AD 2.24.1 ADC -1 LDZD AD 2.24.2 APDC -1	ZADAR DELIVERY FREQ 132.975 MHZ.	AIRAC AIP AMDT 005/2022 (16 JUN 2022)
LDZD AD 2.24.1 ADC -1	TWY A strength changed to 55/R/B/W/T. TWY H strength changed to 50/R/B/W/T.	AIRAC AIP AMDT 008/2022 (08 SEP 2022)
LDZD AD 2.24.2 APDC -1	S5 PCN 63/R/A/W/T S6 PCN 132/F/B/X/T	AIRAC AIP AMDT 008/2022 (08 SEP 2022)
LDZA AD 2.24.2 APDC EAST -1	PSN number E8L equipped with Visual Docking Guidance System	AIRAC AIP AMDT 009/2022 (06 OCT 2022)
LDDU AD 2.24.4 AOC RWY 11 -1	RWY 11: TORA, TODA and ASDA should read 3230 M. RWY 29: TORA, TODA, ASDA and LDA should read 3230 M.	AIRAC AIP AMDT 005/2023 (15 JUN 2023)
LDDU AD 2.24.1 ADC -1	RWY 11 TODA/ASDA is 2388 M at intersection TWY B. RWY 11 TODA/ASDA is 1900 M at intersection TWY C. RWY 11 TODA/ASDA is 1487 M at intersection TWY D. RWY 29 TODA/ASDA is 2464 M at intersection TWY E. RWY 29 TODA/ASDA is 1798 M at intersection TWY D. RWY 29 TODA/ASDA is 1411 M at intersection TWY C.	AIRAC AIP AMDT 007/2023 (10 AUG 2023)
LDDU AD 2.24.1 ADC -1	Dubrovnik Delivery Service established, FREQ 125.400 MHZ.	AIRAC AIP AMDT 007/2023 (10 AUG 2023)
LDPL AD 2.24.1 ADC -1	RWY 09 TODA/ASDA is 1692 M at intersection TWY C. RWY 27 TODA/ASDA is 1992 M at intersection TWY D. RWY 27 TODA/ASDA is 2491 M at intersection TWY E.	AIRAC AIP AMDT 007/2023 (10 AUG 2023)

AIP page(s) affected	Amendment text	Introduced by AIP AMDT number:
1	2	3
LDDU AD 2.24.1 ADC -1	Add the following note: During taxi on TWY B by code letter E ACFT with 4 engines, outer engines shall be used on idle power only.	AIRAC AIP AMDT 008/2023 (07 SEP 2023)
LDSB AD 2.24.2 APDC -1	RWY 03/21 strip length should read 1880 M.	AIRAC AIP AMDT 008/2023 (07 SEP 2023)
LDDU AD 2 - all charts to which it is applicable ENR 6 - all charts to which it is applicable	Airport name is changed to “DUBROVNIK/Rudjer Boskovic”.	AIRAC AIP AMDT 010/2023 (02 NOV 2023)
LDRI AD 2.24.1 ADC -1 LDRI AD 2.24.2 APDC -1	MET Station relocated to a new position: 451313N 0143415E.	AIRAC AIP AMDT 013/2023 (25 JAN 2024)
LDSP AD 2.24.4 AOC RWY 05 -1	RWY 05 OBST ID 14 is replaced with OBST ID 14a (COORD - 433251.59N, 0161848.49E; ELEV - 28.0 M (91.9 FT); Type - ANTENNA) and OBST ID 14b (COORD - 433251.18N, 0161848.97E; ELEV - 28.0 M (91.9 FT); Type - ANTENNA), REF LDSP AD 2.10.	AIRAC AIP AMDT 002/2024 (21 MAR 2024)
LDZD AD 2.24.11 ATCSMAC - 1 LDZD AD 2.24.13 VOC - 1	25 Air navigation obstacles erected, type windmill (designation group VE ZD2P and VE ZD3P) - see AIP ENR 5.4.	AIRAC AIP AMDT 004/2024 (16 MAY 2024)
LDZD AD 2.24.1 ADC - 1	TWY L withdrawn.	AIRAC AIP AMDT 005/2024 (13 JUN 2024)
ENR 6.2 - 1, ENR 6.4 - 1, ENR 6.5 -1, ENR 6.5 -3, ENR 6.8 - 1 LDSP AD 2.24.1 ADC -1, LDSP AD 2.24.2 APDC -1, LDSP AD 2.24.4 AOC RWY 05 -1, LDSP AD 2.24.4 AOC RWY 23 -1, LDSP AD 2.24.14 BC -1 ENR 1.6 -3	LDSP Airport name is changed to “Split/Saint Jerome” - all charts to which it is applicable.	AIRAC AIP AMDT 007/2024 (08 AUG 2024)
LDPL AD 2: ATCSMAC and VOC	Glider activity zones LDAI1 / ISTRA ZONA 1 and LDAI2 / ISTRA ZONA 2 withdrawn.	AIRAC AIP AMDT 008/2024 (05 SEP 2024)
ENR 6.1 - 1, ENR 6.12 - 1, LDSP AD 2.24.12. IAC NDB RWY 05 -1, LDSP AD 2.24.12 IAC ILSy or LOCy RWY 05 -1, LDSP AD 2.24.12 IAC ILSz or LOCz RWY 05 -1, LDSP AD 2.24.12 IAC RNP Y RWY 05 -1, LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only) - 1, LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 -1, LDSB AD 2.24.12 IAC VOR-a RWY 03/21 -1	Heliport name “Firule” changed to “SPLIT-Firule”.	AIRAC AIP AMDT 009/2024 (03 OCT 2024)

AIP page(s) affected	Amendment text	Introduced by AIP AMDT number:
1	2	3
ENR 6.12 - 1, LDSP AD 2.24.12. IAC NDB RWY 05 -1, LDSP AD 2.24.12 IAC ILSy or LOCy RWY 05 -1, LDSP AD 2.24.12 IAC ILSz or LOCz RWY 05 -1, LDSP AD 2.24.12 IAC RNP Y RWY 05 -1, LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only) - 1, LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 -1, LDSB AD 2.24.12 IAC VOR-a RWY 03/21 -1	Water aerodrome “SPLIT/Resnik” withdrawn.	AIRAC AIP AMDT 009/2024 (03 OCT 2024)
ENR 6 - all charts to which it is applicable	New Heliport „LDRD - RIJEKA/Delta" added.	AIRAC AIP AMDT 009/2024 (03 OCT 2024)
LDLO AD 2.24.1 ADC -1	RWY 02/20 Strip dimensions should read 1020x140 (M). RWY 02 and RWY 20 RESA dimensions should read Length 90M, Width 60M. Type of RWY should read Instrument-non precision. RWY lighting according to AD 2.14, other lighting according to AD 2.15. RWY 02 PAPI (41ft) 3° Left.	AIRAC AIP AMDT 011/2024 (28 NOV 2024)
LDLO AD 2.24.2 APDC -1	Helicopter takeoff and landings only on RWY 02/20. Parking positions are determined by airport operator. RWY 02/20 Strip dimensions should read 1020x140 (M). RWY lighting according to AD 2.14, other lighting according to AD 2.15.	AIRAC AIP AMDT 011/2024 (28 NOV 2024)
ENR 6.8. -1 LDDU AD 2.24.12 IAC ILS y or LOC y RWY 11 -1 LDDU AD 2.24.12 IAC ILS z or LOC z RWY 11 -1 LDDU AD 2.24.13 VOC -1	Add FREQ 110.1 MHZ for DME 11 IDU	AIRAC AIP AMDT 011/2024 (28 NOV 2024)
LDDU AD 2.24.12 IAC ILS y or LOC y RWY 11 -1 LDDU AD 2.24.12 IAC ILS z or LOC z RWY 11 -1	OCA (H) changed from 870 (351) to 880 (361).	AIRAC AIP AMDT 013/2024 (23 JAN 2025)
LDRI AD 2.24.13 VOC -1	Air navigation obstacles erected within area ("RIJEKA GATEWAY (AREA)") - see AIP ENR 5.4.	AIRAC AIP AMDT 013/2024 (23 JAN 2025)

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GEN 0.6 TABLE OF CONTENTS TO PART 1

GEN 2 Tables and codes 1

GEN 3 Services 1

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GEN 3.2 AERONAUTICAL CHARTS

GEN 3.2.1. RESPONSIBLE SERVICES

GEN 3.2.1.1 The aeronautical charts for the territory of the Republic of Croatia are produced and published by Croatia Control Ltd.

The aeronautical charts published in AIP Croatia are produced in accordance with the provisions contained in ICAO Annex 4 - Aeronautical charts, and conform with the provisions set forth in ICAO Aeronautical Charts Manual (Doc 8697).

GEN 3.2.2. MAINTENANCE OF CHARTS

GEN 3.2.2.1 The aeronautical charts included in the AIP are kept up to date by amendments to the AIP.

GEN 3.2.2.2 If incorrect information detected on published charts is of operational significance, it is corrected by NOTAM or AIP SUP.

GEN 3.2.3. PURCHASE ARRANGEMENTS

The charts as listed under GEN 3.2.5 of this subsection may be obtained from the:

Post: CROATIA CONTROL LTD.
AIM/AIS Service
Rudolfa Fizira 2
10410 Velika Gorica, P.O. Box 103
Croatia

Phone: +385 1 6259376

Fax: +385 1 6259374

Email: ais.subscription@crocontrol.hr

GEN 3.2.4. AERONAUTICAL CHARTS SERIES AVAILABLE

The following series of aeronautical charts are produced:

- Aerodrome Obstacle Chart - ICAO - Type A
- Precision Approach Terrain Chart - ICAO
- Enroute Chart - ICAO
- Standard Departure Chart - Instrument (SID) - ICAO
- Standard Arrival Chart - Instrument (STAR) - ICAO
- Instrument Approach Chart - ICAO
- Visual Approach Chart - ICAO
- Visual Operation Chart
- Aerodrome Chart - ICAO
- Aircraft Parking/Docking Chart - ICAO
- ATC Surveillance Minimum Altitude Chart - ICAO
- Instrument Approach Chart - ICAO (Circling with Prescribed Tracks)

- VFR Chart with recommended VFR routes 1:500 000
- Bird Concentrations Chart
- Index Charts

The charts currently available for separate sale are listed under GEN 3.2.5 of this subsection.

Aeronautical charts that are not available are listed in section AD 2.24 for each AD, in PDF format.

GEN 3.2.4.1 General description of each series

a. *Aerodrome Obstacle Chart - ICAO - Type A (operating limitations)*

This chart contains detailed information on obstacles in take-off flight path areas of aerodromes. It is shown in plan and profile view. This obstacles information provides the data necessary to enable an operator to comply with the operating limitations of ICAO Annex 6, Parts I and II, Chapter 5.

b. *Precision Approach Terrain Chart - ICAO*

This chart provides detailed terrain profile information within a defined portion of the final approach so as to enable aircraft operating agencies to assess the effect of the terrain on decision height determination by the use of radio altimeters. This chart is published for RWY 04 Zagreb.

c. *Enroute Chart - ICAO*

The chart covers the entire territory of Croatia (FIR Zagreb) and shows:

- the ATS routes including bearings, distances, radio navigation aids together with the assigned frequencies and identifications
- the airspace structure including lower and upper limit
- restricted, prohibited and danger areas

d. *Standard Departure Chart - Instrument (SID) - ICAO*

This chart provides flight crew with information to enable them to comply with designed standard instrument departure route from the take-off to the en-route phase of flight. Each chart includes the relevant aeronautical information such as radio navigation facilities, significant points, bearings, distances and IFR minimum flight altitudes.

e. *Standard Arrival Chart - Instrument (STAR) - ICAO*

This chart provides flight crew with information to enable them to comply with designed standard instrument arrival route from en-route phase to the approach phase of flight. Each chart includes the relevant aeronautical information such as radio navigation facilities, significant points, bearings, distances and IFR minimum flight altitudes.

f. *Instrument Approach Chart - ICAO*

This chart is produced for all aerodromes used by civil aviation where instrument approach procedures have been established. A separate Instrument Approach Chart - ICAO has been provided for each approach procedure.

The aeronautical data shown include information on aerodromes, prohibited, restricted and danger areas, radio communication facilities and navigation aids, minimum sector altitude, procedure track portrayed in plan and profile view, aerodrome operating minima, etc.

This chart provides the flight crew with information that will enable them to perform an approved instrument approach procedure to the runway of intended landing including the missed approach procedure and where applicable, associated holding patterns.

g. *Visual Approach Chart - ICAO*

ENR 0.6 TABLE OF CONTENTS TO PART 2

ENR 5 Navigation warnings

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ENR 5.4 AIR NAVIGATION OBSTACLES

Designation	Type of obstacle	Coordinates	ELEV/HGT GND	OBST LGT Type/Colour
1	2	3	4	5
BELJE	ANTENNA MAST	454746N 0184128E	1513FT / 722FT	MEDIUM-INTENSITY TYPE C/RED
BORINCI	ANTENNA MAST	451814N 0184426E	898FT / 562FT	MEDIUM-INTENSITY TYPE C/RED
JOSIPOVAC	ANTENNA MAST	453332N 0183515E	656FT / 362FT	NIL/RED
MS VISOKA	WIND SPEED MEASURING PILLAR	434055N 0163617E	3272FT / 361FT	NIL
PSUNJ	ANTENNA MAST	452308N 0171956E	3645FT / 417FT	NIL/RED
RIJEKA GATEWAY (AREA) A1 A2 A3 A4 A1	CRANE	451947.5N 0142458.9E - 451942.5N 0142515.9E - 451948.4N 0142519.3E - 451953.3N 0142502.3E - 451947.5N 0142458.9E	466FT / 453FT	MEDIUM-INTENSITY TYPE B/RED FLASHING
TOPLANA FOLNEGOVICEVO	CHIMNEY	454652N 0160100E	1038FT / Nil	MEDIUM-INTENSITY TYPE C/RED LOW-INTENSITY TYPE B/RED
TOPLANA OSIJEK	CHIMNEY	453232N 0184444E	689FT / 393FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
TOPLANA TRESNJEVKA	CHIMNEY	454822N 0155659E	1044FT / Nil	NIL/RED
TORANJ SLJEME	ANTENNA MAST	455358N 0155653E	3929FT / 561FT	MEDIUM-INTENSITY TYPE C/RED
VA4 (BRUVNO)	WINDMILL	442501N 0155354E	3124FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE E/RED
VA1 (OPOR)	WINDMILL	433543N 0161556E	2281FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE E/RED

Designation	Type of obstacle	Coordinates	ELEV/HGT GND	OBST LGT Type/Colour
1	2	3	4	5
VA2 (OPOR)	WINDMILL	433541N 0161612E	2427FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE E/RED
VA3 (OPOR)	WINDMILL	433534N 0161629E	2505FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE E/RED
VA4 (OPOR)	WINDMILL	433527N 0161654E	2584FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE E/RED
VA5 (OPOR)	WINDMILL	433518N 0161711E	2620FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE E/RED
VA6 (OPOR)	WINDMILL	433509N 0161729E	2689FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE E/RED
VA7 (BRUVNO)	WINDMILL	442459N 0155410E	3126FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE E/RED
VA10 (BRUVNO)	WINDMILL	442512N 0155438E	3062FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE E/RED
VA11 (BRUVNO)	WINDMILL	442441N 0155421E	3087FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE E/RED
VA12 (BRUVNO)	WINDMILL	442453N 0155440E	3085FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE E/RED
VA13 (BRUVNO)	WINDMILL	442502N 0155458E	3083FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE E/RED

Designation	Type of obstacle	Coordinates	ELEV/HGT GND	OBST LGT Type/Colour
1	2	3	4	5
VA14 (BRUVNO)	WINDMILL	442424N 0155412E	3152FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE E/RED
VA15 (BRUVNO)	WINDMILL	442429N 0155430E	3054FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE E/RED
VA16 (BRUVNO)	WINDMILL	442431N 0155456E	3100FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE E/RED
VA17 (BRUVNO)	WINDMILL	442444N 0155458E	3093FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE E/RED
VA11 (VE ZD2P)	WINDMILL	440551N 0154346E	2596FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA12 (VE ZD2P)	WINDMILL	440604N 0154323E	2550FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA13 (VE ZD2P)	WINDMILL	440529N 0154440E	2475FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA14 (VE ZD2P)	WINDMILL	440516N 0154441E	2543FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA21 (VE ZD2P)	WINDMILL	440739N 0154129E	2714FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA22 (VE ZD2P)	WINDMILL	440723N 0154146E	2636FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED

Designation	Type of obstacle	Coordinates	ELEV/HGT GND	OBST LGT Type/Colour
1	2	3	4	5
VA23 (VE ZD2P)	WINDMILL	440715N 0154153E	2737FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA24 (VE ZD2P)	WINDMILL	440521N 0154424E	2647FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA31 (VE ZD2P)	WINDMILL	440705N 0154218E	2650FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA32 (VE ZD2P)	WINDMILL	440648N 0154230E	2550FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA33 (VE ZD2P)	WINDMILL	440640N 0154246E	2576FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA35 (VE ZD2P)	WINDMILL	440729N 0154135E	2610FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA36 (VE ZD2P)	WINDMILL	440554N 0154402E	2515FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA37 (VE ZD2P)	WINDMILL	440549N 0154419E	2438FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA38 (VE ZD2P)	WINDMILL	440539N 0154432E	2489FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA11 (VE ZD3P)	WINDMILL	440359N 0154555E	2334FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED

Designation	Type of obstacle	Coordinates	ELEV/HGT GND	OBST LGT Type/Colour
1	2	3	4	5
VA12 (VE ZD3P)	WINDMILL	440422N 0154542E	2334FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA13 (VE ZD3P)	WINDMILL	440355N 0154642E	2073FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA14 (VE ZD3P)	WINDMILL	440408N 0154714E	1969FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA15 (VE ZD3P)	WINDMILL	440331N 0154801E	2153FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA21 (VE ZD3P)	WINDMILL	440432N 0154539E	2314FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA22 (VE ZD3P)	WINDMILL	440329N 0154717E	1930FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA23 (VE ZD3P)	WINDMILL	440336N 0154701E	2002FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA25 (VE ZD3P)	WINDMILL	440349N 0154806E	1984FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
VA26 (VE ZD3P)	WINDMILL	440308N 0154825E	2096FT / 589FT	MEDIUM-INTENSITY TYPE B/RED LOW-INTENSITY TYPE B/RED
ZADAR 1200 STUP 2	ANTENNA MAST	441352N 0151415E	529FT / 447FT	NIL/RED

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AD 0.6 TABLE OF CONTENTS TO PART 3

LDLO - AERODROME LOŠINJ/Lošinj I.

LDOS - AIRPORT OSIJEK / Klisa

LDPL - AIRPORT PULA / Pula

LDZA - AIRPORT ZAGREB / Franjo Tuđman

LDZD AD 2.24.12 IAC L RWY 31 - 1
LDZD AD 2.24.12 IAC VOR RWY 31 - 1
LDZD AD 2.24.13 VOC - 1

AD 1 AERODROMES/HELIPORTS INTRODUCTION

AD 1.1 AERODROME/HELIPORT AVAILABILITY AND CONDITIONS OF USE

AD 1.1.1 GENERAL CONDITIONS

The competent authority responsible for aerodromes and heliports in Croatia is Croatian Civil Aviation Agency (CCAA).

Aerodromes available for use in the Republic of Croatia are certified according to Regulation (EU) 139/2014 or national regulations (according to ICAO Annex 14, Vol 1.). Significant differences from ICAO SARPs are listed in section GEN 1.7.
The data for all nine international aerodromes in the Republic of Croatia which are open for public use, which serve commercial air transport, where operations using instrument approach or departure procedures are provided and having a paved RWY of 800 M or above, are published in AIP Republic of Croatia.

Information on other certified airports in the Republic of Croatia are available in VFR Manual of the Republic of Croatia.

Civil aircraft are not permitted to land at aerodromes in Republic of Croatia outside working hours published in section AD 2.3., except in cases of genuine emergency in flight or where special permission has been obtained from the aerodrome operator.

Landings from non EU countries made other than at an international aerodrome/heliport or a designated alternate aerodrome/heliport

If a landing from non EU countries is made other than at an international aerodrome/heliport or a designated alternate aerodrome/heliport, the pilot-in-command shall report the landing as soon as practicable to the health, customs and immigration authorities at the international aerodrome/heliport at which the landing was scheduled to take place. This notification may be made through any available communication link.

Traffic of persons and vehicles on aerodromes

Demarcation of zones
The grounds of each aerodrome are divided into two zones:

a. a public zone comprising the part of the aerodrome open to the public; and

b. a restricted zone comprising the rest of the aerodrome/heliport.

Movement of persons
Access to the restricted zone is authorized only under the conditions prescribed by the aerodrome operator. The customs, police, and health inspection offices and the premises assigned to transit traffic are normally accessible only to passengers, to staff of the public authorities and airlines, and to authorized persons in pursuit of their duty. The movement of persons having access to the restricted zone of the aerodrome/heliport is subject to the conditions prescribed by the air navigation regulations and by the special rules laid down by the aerodrome operator.

Movement of vehicles
The movement of vehicles in the restricted zone is strictly limited to vehicles driven or used by persons carrying an authorisation of vehicle driver or a temporary permission, issued by the aerodrome operator. Drivers of vehicles, of whatever type, operating within the confines of the aerodrome/heliport must respect the rules prescribed by aerodrome operator.

Use of the heliports

Unless other permission has been granted by the Civil Aviation Administration, the heliports may be used only for flights in accordance with Visual Flight Rules (VFR).

Pilots shall, before using a heliport, ensure that a clear approach and departure can be carried out and, in case of an emergency, that suitable landing sites are available along the planned track, taking into consideration the performance of the helicopter.

AD 1.1.2 USE OF MILITARY AIR BASES

Military aerodromes are those aerodromes that are managed by Croatian Ministry of Defence (MoD) (The Air Traffic Law, Article 31.).

For the use of military aerodrome or part of military aerodrome for civil operations aircraft operator shall obtain approval directly from Ministry of Defence (The Air Traffic Law, Article 33.).

For each arrival of foreign military aircraft to Airport ZADAR/Zemunik (LDZD), it is necessary to submit the completed Prior Permission Required (PPR) Request Form for LDZD at least 72 hours before the planned flight.
Prior Permission Required (PPR) Request Form for LDZD is published in AIC A series.

AD 1.1.3 LOW VISIBILITY PROCEDURES (LVP)

Airports with Low Visibility Procedures (LVP) in use:

- ZAGREB / Franjo Tudjman
- OSIJEK / Klisa

Criteria for their preparation, initiation and termination are implemented in cooperation with the air traffic services provider and based on RVR and cloud ceiling values.

The details are provided in section AD 2.20 for each airport.

AD 1.1.4 AERODROME OPERATING MINIMA

All flight operations by aircraft within Croatia FIR are to operate with Aerodrome Operating Minima (AOM) no lower than calculated using EASA OPS.

It should be noted that the privileges of pilot licences, Rules of the Air and limitations in the aircraft Flight Manual can be more restrictive than the AOM. In establishing the AOM that will apply, full account must be taken of:

a. the type and handling characteristics of the aircraft,

b. the composition of the flight crew and their competence and experience,

c. the dimensions and characteristics of the runway which may be selected for use

d. the adequacy and performance of the available visual and non-visual ground aids,

e. the equipment available on the aircraft for the purpose of navigation and/or control of the flight path, as appropriate, during the take-off, the approach, the flare, the landing, roll-out and missed approach,

f. the obstacles in the approach, and missed approach and climb-out areas required for the execution of contingency procedures and necessary clearance,

g. the obstacle clearance altitude/height for the instrument approach procedures and

h. the means to determine and report meteorological conditions.

AD 1.1.5 OTHER INFORMATION

NIL

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

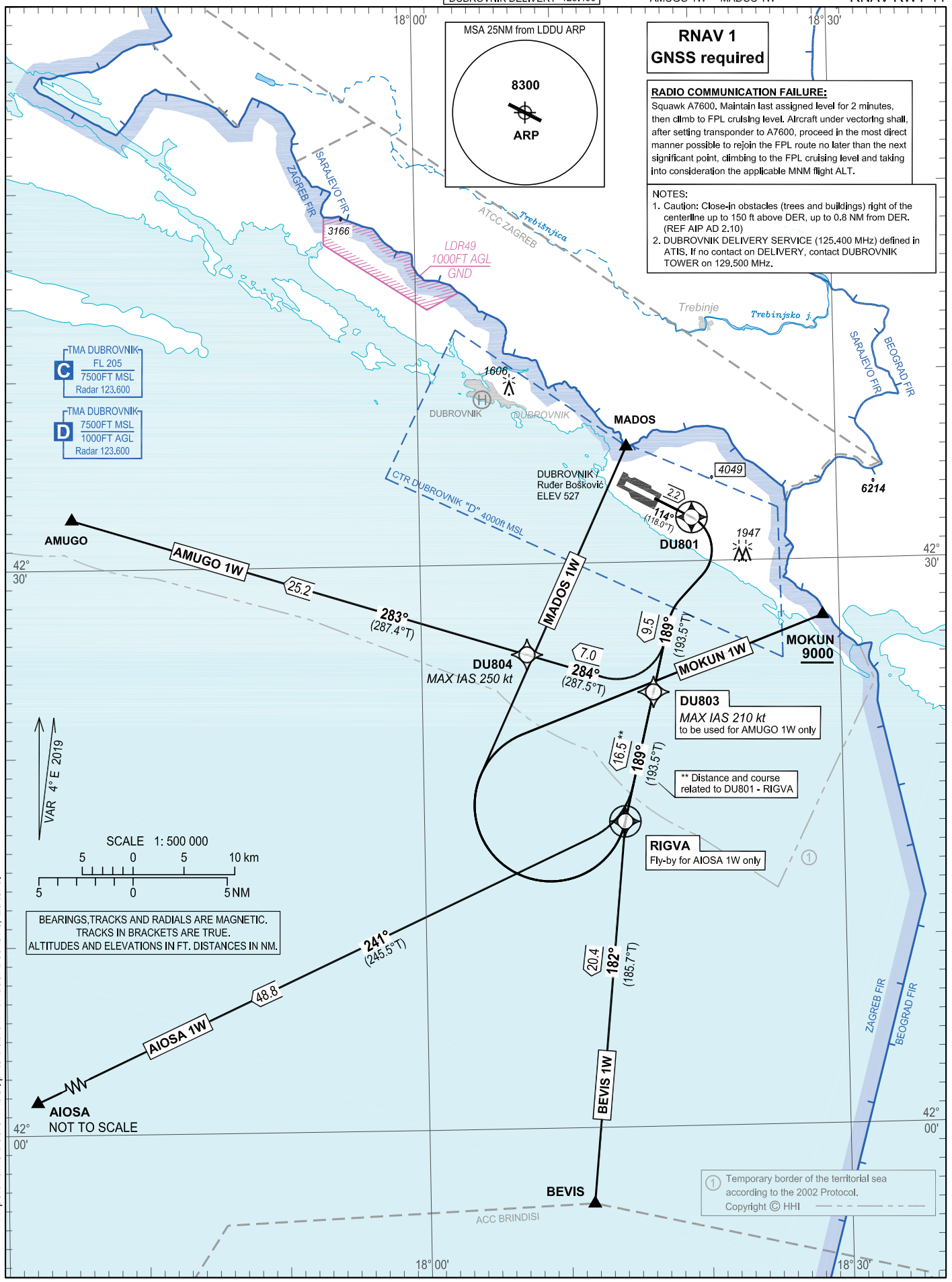
TRANSITION ALTITUDE
10 000

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

DUBROVNIK / Ruđer Bošković (LDDU)

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

RNAV RWY 11



CHANGE: New: MOKUN 1W, BEVIS 1W, AIOSA 1W, AMUGO 1W, MADOS 1W; withdrawn: RIGVA 2W; MSA; PBN Box: Notes added; DUBROVNIK DELIVERY frequency added; Radio communication failure procedure added; Airport name Dubrovnik/Čilipi to Dubrovnik/Ruđer Bošković; Editorial.

DUBROVNIK / Ruđer Bošković (LDDU)

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

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

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

LDDU RNAV STANDARD INSTRUMENT DEPARTURE RWY 11

Proposed tabular description for navigation database coding

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

CHANGE: New: MOKUN 1W, BEVIS 1W, AIOSA 1W, AMUGO 1W, MADOS 1W; withdrawn: RIGVA 2W; MSA; PBN Box; Notes added; DUBROVNIK DELIVERY frequency added; Radio communication failure procedure added; Airport name Dubrovnik/Čilipi to Dubrovnik/Ruđer Bošković; Editorial.

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

CHANGE: New: MOKUN 1W, BEVIS 1W, AIOSA 1W, AMUGO 1W, MADOS 1W; withdrawn: RIGVA 2W; MSA; PBN Box: Notes added; DUBROVNIK DELIVERY frequency added; Radio communication failure procedure added; Airport name Dubrovnik/Čilipi to Dubrovnik/Ruđer Bošković; Editorial.

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

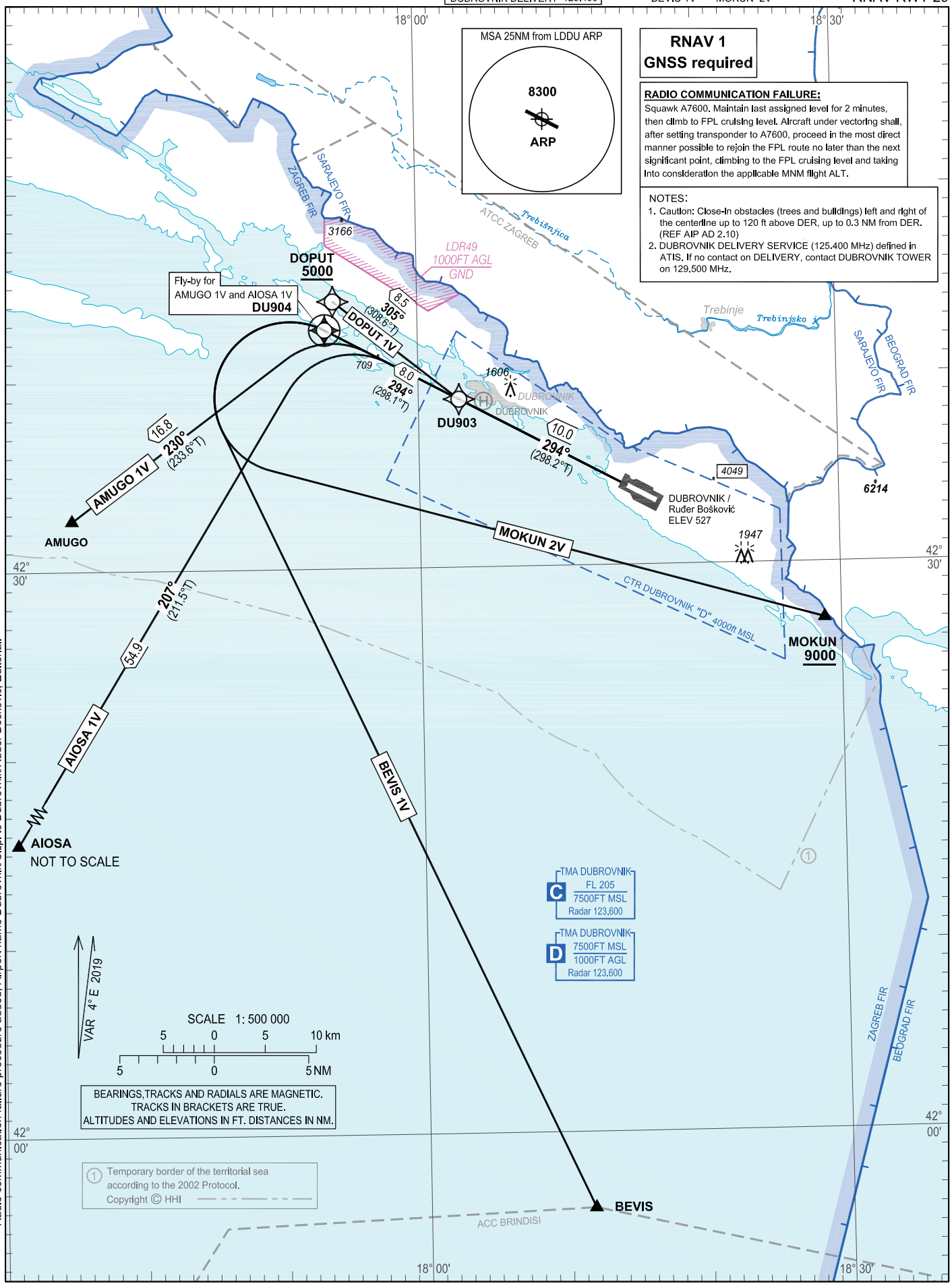
TRANSITION ALTITUDE
10 000

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

DUBROVNIK / Ruđer Bošković (LDDU)

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

RNAV RWY 29



CHANGE: New: DOPUT 1V, AMUGO 1V, AIOSA 1V, BEVIS 1V; changed: MOKUN 2V; withdrawn: NERRA 1V, LASDU 1V, ORAKA 1V; MSA; PBN Box; Notes added; DUBROVNIK DELIVERY frequency added; Radio communication failure procedure added; Airport name Dubrovnik/Čilipi to Dubrovnik/Ruđer Bošković; Editorial.

DUBROVNIK / Ruđer Bošković (LDDU)

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

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

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

LDDU RNAV STANDARD INSTRUMENT DEPARTURE RWY 29

Proposed tabular description for navigation database coding

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

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

CHANGE: New: DOPUT 1V, AMUGO 1V, AIOSA 1V, BEVIS 1V; changed: MOKUN 2V; withdrawn: NERRA 1V, LASDU 1V, ORAKA 1V; MSA; PBN Box; Notes added; DUBROVNIK DELIVERY frequency added; Radio communication failure procedure added; Airport name Dubrovnik/Čilipi to Dubrovnik/Ruđer Bošković; Editorial.

STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

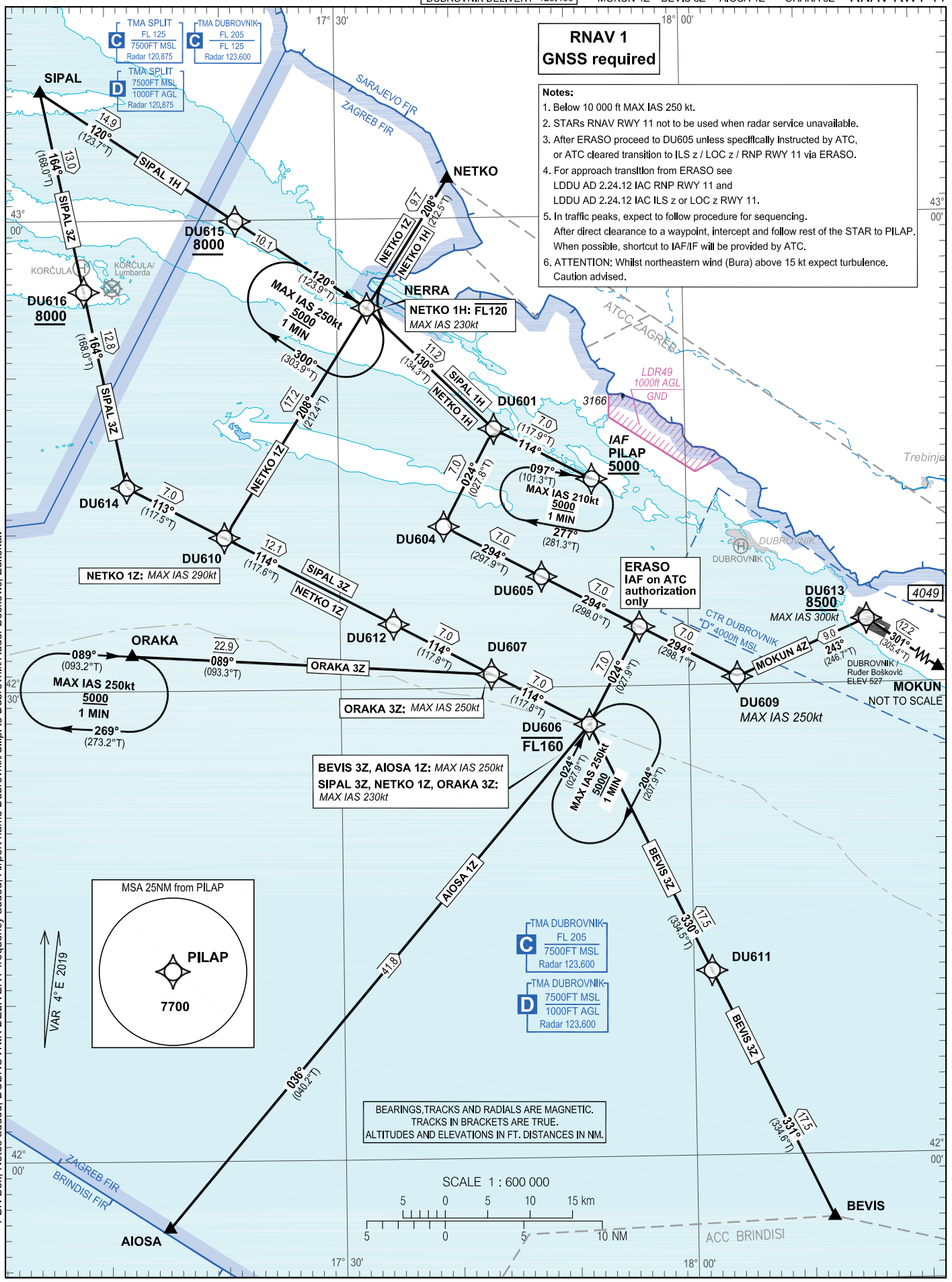
TRANSITION ALTITUDE
10 000

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

DUBROVNIK / Ruđer Bošković (LDDU)

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

RNAV RWY 11



CHANGE: New: SIPAL 1H, NETKO 1H, NETKO 1Z, AIOSA 1Z, DU606 HLDG; changed: SIPAL 3Z, MOKUN 4Z, BEVIS 3Z, ORAKA 3Z, NERRA HLDG; withdrawn: TIKSA 2Z, NERRA 2X, NERRA 2Z, LOKRU 2Z; coding tables updated PBN Box; Notes added; DUBROVNIK DELIVERY frequency added; Airport name Dubrovnik/Čilipi to Dubrovnik/Ruđer Bošković; Editorial.

DUBROVNIK / Ruđer Bošković (LDDU)

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

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

LDDU RNAV STANDARD ARRIVAL RWY 11

Proposed tabular description for navigation database coding

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

CHANGE: New: SIPAL 1H, NETKO 1H, NETKO 1Z, AIOSA 1Z, DU606 HLDG; changed: SIPAL 3Z, MOKUN 4Z, BEVIS 3Z, ORAKA 3Z, NERRA HLDG; withdrawn: TIKSA 2Z, NERRA 2X, NERRA 2Z, LOKRU 2Z; coding tables updated PBN Box; Notes added; DUBROVNIK DELIVERY frequency added; Airport name Dubrovnik/Čilipi to Dubrovnik/Ruđer Bošković; Editorial.

DUBROVNIK / Ruđer Bošković (LDDU)

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

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

CHANGE: New: SIPAL 1H, NETKO 1H, NETKO 1Z, AIOSA 1Z, DU606 HLDG; changed: SIPAL 3Z, MOKUN 4Z, BEVIS 3Z, ORAKA 3Z, NERRA HLDG; withdrawn: TIKSA 2Z, NERRA 2X, NERRA 2Z, LOKRU 2Z; coding tables updated
PBN Box: Notes added: DUBROVNIK DELIVERY frequency added; Airport name Dubrovnik/Čilipi to Dubrovnik/Ruđer Bošković; Editorial.

DUBROVNIK / Ruđer Bošković (LDDU)

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

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

CHANGE: New: SIPAL 1H, NETKO 1H, NETKO 1Z, AIOSA 1Z, DU606 HLDG; changed: SIPAL 3Z, MOKUN 4Z, BEVIS 3Z, ORAKA 3Z, NERRA HLDG; withdrawn: TIKSA 2Z, NERRA 2X, NERRA 2Z, LOKRU 2Z; coding tables updated
PBN Box; Notes added; DUBROVNIK DELIVERY frequency added; Airport name Dubrovnik/Čilipi to Dubrovnik/Ruđer Bošković; Editorial.

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

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

CHANGE: New: SIPAL 1H, NETKO 1H, NETKO 1Z, AIOSA 1Z, DU606 HLDG; changed: SIPAL 3Z, MOKUN 4Z, BEVIS 3Z, ORAKA 3Z, NERRA HLDG; withdrawn: TIKSA 2Z, NERRA 2X, NERRA 2Z, LOKRU 2Z; coding tables updated PBN Box; Notes added; DUBROVNIK DELIVERY frequency added; Airport name Dubrovnik/Čilipi to Dubrovnik/Ruđer Bošković; Editorial.

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STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

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

DUBROVNIK / Ruđer Bošković (LDDU)

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

RNAV RWY 29

RNAV 1
GNSS required

Notes:
1. Below 10 000 ft MAX IAS 250 kt.
2. STARs RNAV RWY 29 not to be used when radar service unavailable.
3. In traffic peaks, expect to follow procedure for sequencing.
   After direct clearance to a waypoint, intercept and follow rest of the STAR to OLEGU.
   When possible, shortcut to OLEGU or DU701 will be provided by ATC.
4. ATTENTION: Whilst northeastern wind (Bura) above 15 kt expect turbulence.
   Caution advised.

VAR 4°E 2019

MSA 25NM from OLEGU
OLEGU
8300

BEOGRAD FIR
SARAJEVO FIR
ZAGREB FIR
ATCC ZAGREB
Trebinjsko j.
Trebinje
4049
DUBROVNIK / Ruđer Bošković ELEV 527
CTR DUBROVNIK "D" 4000ft MSL
LDR49 1000ft AGL GND
3166
DUBROVNIK
DUBROVNIK
MOKUN
MAX IAS 250 kt
IAF OLEGU 4000
MOKUN 2Y
DU720 8500
DU719
DU712
DU713 MAX IAS 230 kt FL160
DU714
DU715
AIOSA 2Y: MAX IAS 250 kt
AIOSA 2Y
NOT TO SCALE
AIOSA
BEVIS 2Y
BEVIS
NOT TO SCALE
DU701
DU709
DU710
MOKUN 2Y: MAX IAS 230 kt
DU711
SIPAL 1L
NETKO 1L
SIPAL 2Y
NETKO 1Y
NETKO
NETKO 1L: MAX IAS 250 kt
NERRA 5000
DU718
DU716
ORAKA 2Y
ORAKA 5000
DU721 8000
DU717 8000
SIPAL
KORČULA
KORČULA Luka
TMA DUBROVNIK FL 205 / FL 125 Radar 123.600
TMA SPLIT FL 125 / 7500FT MSL Radar 120.875
TMA SPLIT 7500FT MSL / 1000FT AGL Radar 120.875
TMA DUBROVNIK FL 205 / 7500FT MSL Radar 123.600
TMA DUBROVNIK 7500FT MSL / 1000FT AGL Radar 123.600
Temporary border of the territorial sea according to the 2002 Protocol.
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BEARINGS, TRACKS AND RADIALS ARE MAGNETIC.
TRACKS IN BRACKETS ARE TRUE.
ALTITUDES AND ELEVATIONS IN FT. DISTANCES IN NM.
SCALE 1 : 600 000
10 NM
15 km

CHANGE: New: SIPAL 1L, NETKO 1Y, NETKO 1L, DU718 HLDG, ORAKA HLDG, DU713 HLDG; changed: SIPAL 2Y, ORAKA 2Y, AIOSA 2Y, BEVIS 2Y, MOKUN 2Y; withdrawn: TIKSA 1Y, NERRA 1Y; coding tables updated;
PBN Box; Notes added; DUBROVNIK DELIVERY frequency added; Airport name Dubrovnik/Čilipi to Dubrovnik/Ruđer Bošković; Editorial.

DUBROVNIK / Ruđer Bošković (LDDU)

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

LDDU RNAV STANDARD ARRIVAL RWY 29

Proposed tabular description for navigation database coding

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

CHANGE: New: SIPAL 1L, NETKO 1Y, NETKO 1L, DU718 HLDG, ORAKA HLDG, DU713 HLDG; changed: SIPAL 2Y, ORAKA 2Y, AIOSA 2Y, BEVIS 2Y, MOKUN 2Y; withdrawn: TIKSA 1Y, NERRA 1Y; coding tables updated; PBN Box; Notes added; DUBROVNIK DELIVERY frequency added; Airport name Dubrovnik/Čilipi to Dubrovnik/Ruđer Bošković; Editorial.

DUBROVNIK / Ruđer Bošković (LDDU)

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

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

CHANGE: New: SIPAL 1L, NETKO 1Y, NETKO 1L, DU718 HLDG, ORAKA HLDG, DU713 HLDG; changed: SIPAL 2Y, ORAKA 2Y, AIOSA 2Y, BEVIS 2Y, MOKUN 2Y; withdrawn: TIKSA 1Y, NERRA 1Y; coding tables updated; PBN Box; Notes added; DUBROVNIK DELIVERY frequency added; Airport name Dubrovnik/Čilipi to Dubrovnik/Ruđer Bošković; Editorial.

DUBROVNIK / Ruđer Bošković (LDDU)

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

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

CHANGE: New: SIPAL 1L, NETKO 1Y, NETKO 1L, DU718 HLDG, ORAKA HLDG, DU713 HLDG; changed: SIPAL 2Y, ORAKA 2Y, AIOSA 2Y, BEVIS 2Y, MOKUN 2Y; withdrawn: TIKSA 1Y, NERRA 1Y; coding tables updated; PBN Box; Notes added; DUBROVNIK DELIVERY frequency added; Airport name Dubrovnik/Čilipi to Dubrovnik/Ruđer Bošković; Editorial.

DUBROVNIK / Ruđer Bošković (LDDU)

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

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

CHANGE: New: SIPAL 1L, NETKO 1Y, NETKO 1L, DU718 HLDG, ORAKA HLDG, DU713 HLDG; changed: SIPAL 2Y, ORAKA 2Y, AIOSA 2Y, BEVIS 2Y, MOKUN 2Y; withdrawn: TIKSA 1Y, NERRA 1Y; coding tables updated; PBN Box; Notes added; DUBROVNIK DELIVERY frequency added; Airport name Dubrovnik/Čilipi to Dubrovnik/Ruđer Bošković; Editorial.

DUBROVNIK / Ruđer Bošković (LDDU)

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

RNAV HOLDING tabular description

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

Waypoint coordinates

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

CHANGE: New: SIPAL 1L, NETKO 1Y, NETKO 1L, DU718 HLDG, ORAKA HLDG, DU713 HLDG; changed: SIPAL 2Y, ORAKA 2Y, AIOSA 2Y, BEVIS 2Y, MOKUN 2Y; withdrawn: TIKSA 1Y, NERRA 1Y; coding tables updated; PBN Box; Notes added; DUBROVNIK DELIVERY frequency added; Airport name Dubrovnik/Čilipi to Dubrovnik/Ruđer Bošković; Editorial.

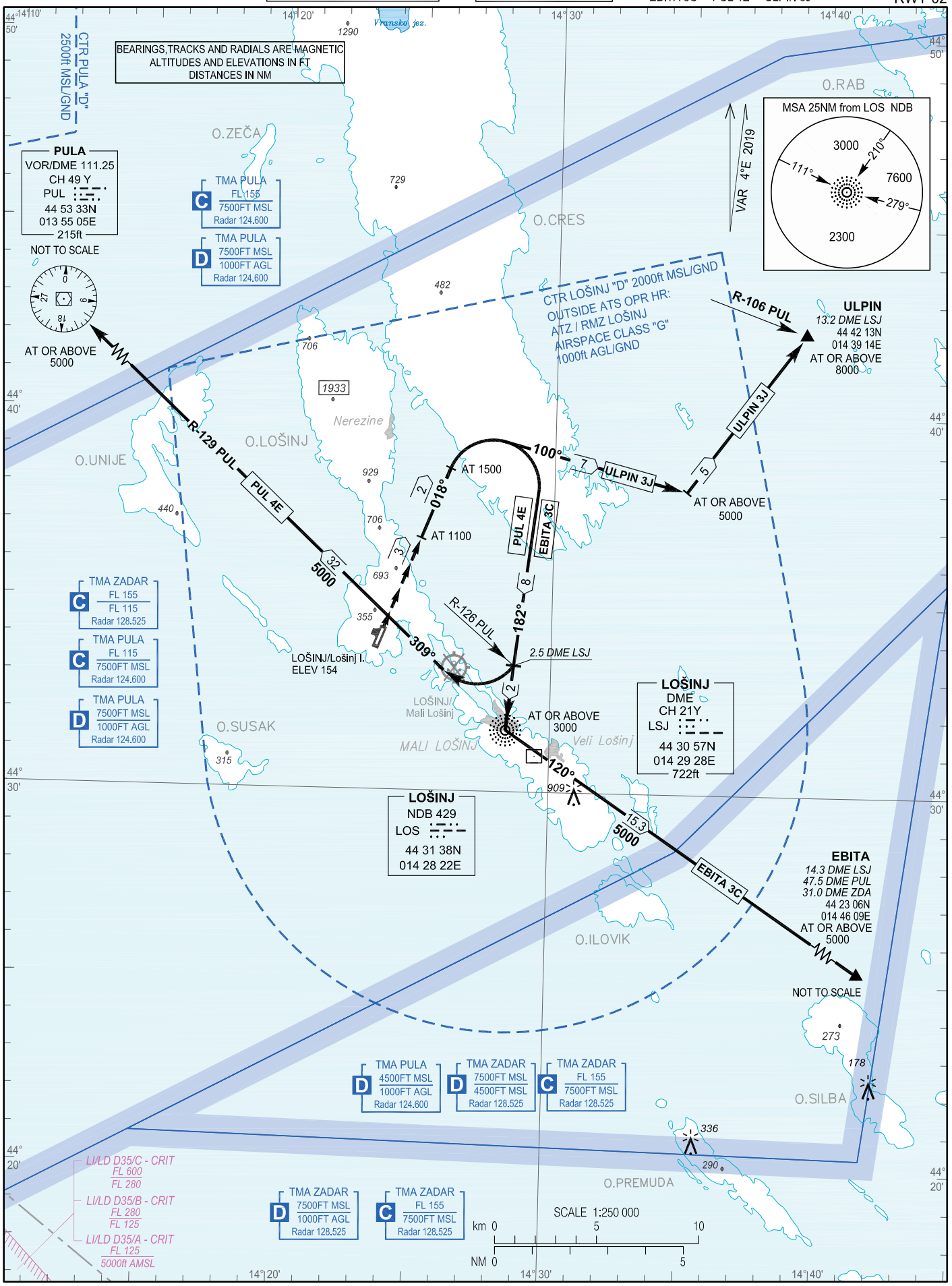
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

LOSINJ TOWER 120.300
PULA RADAR 124.600
127.675

LOŠINJ / Lošinj I. (LDLO)

EBITA 3C PUL 4E ULPIN 3J RWY 02



CHANGE: TMA PULA vertical limits changed; Editorial.

OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA
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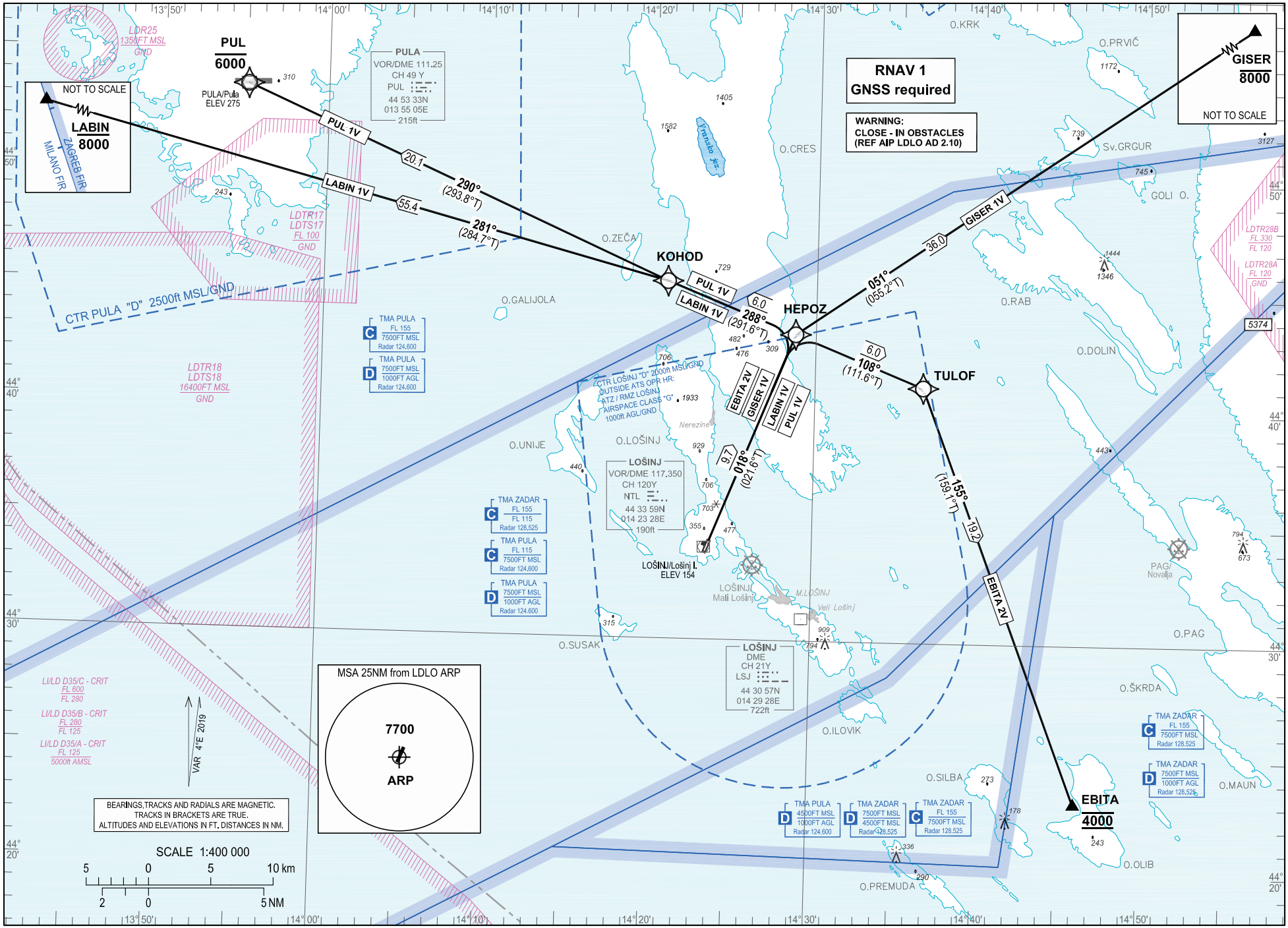
CHANGE: TMA PULA vertical limits changed; PBN box updated; Water aerodromes PULA/Pula and RAB/Rab deleted; LDTR28A and LDTR28B zones added; Editorial.



LOŠINJ / Lošinj I. (LDLO)

RNAV RWY 02 CAT A & B

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

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

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

LDLO RNAV STANDARD INSTRUMENT DEPARTURE RWY 02

Proposed tabular description for navigation database coding

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

Waypoint coordinates

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

CHANGE: TMA PULA vertical limits changed; PBN box updated; Water aerodromes PULA/Pula and RAB/Rab deleted; LDTR28A and LDTR28B zones added; Editorial.

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

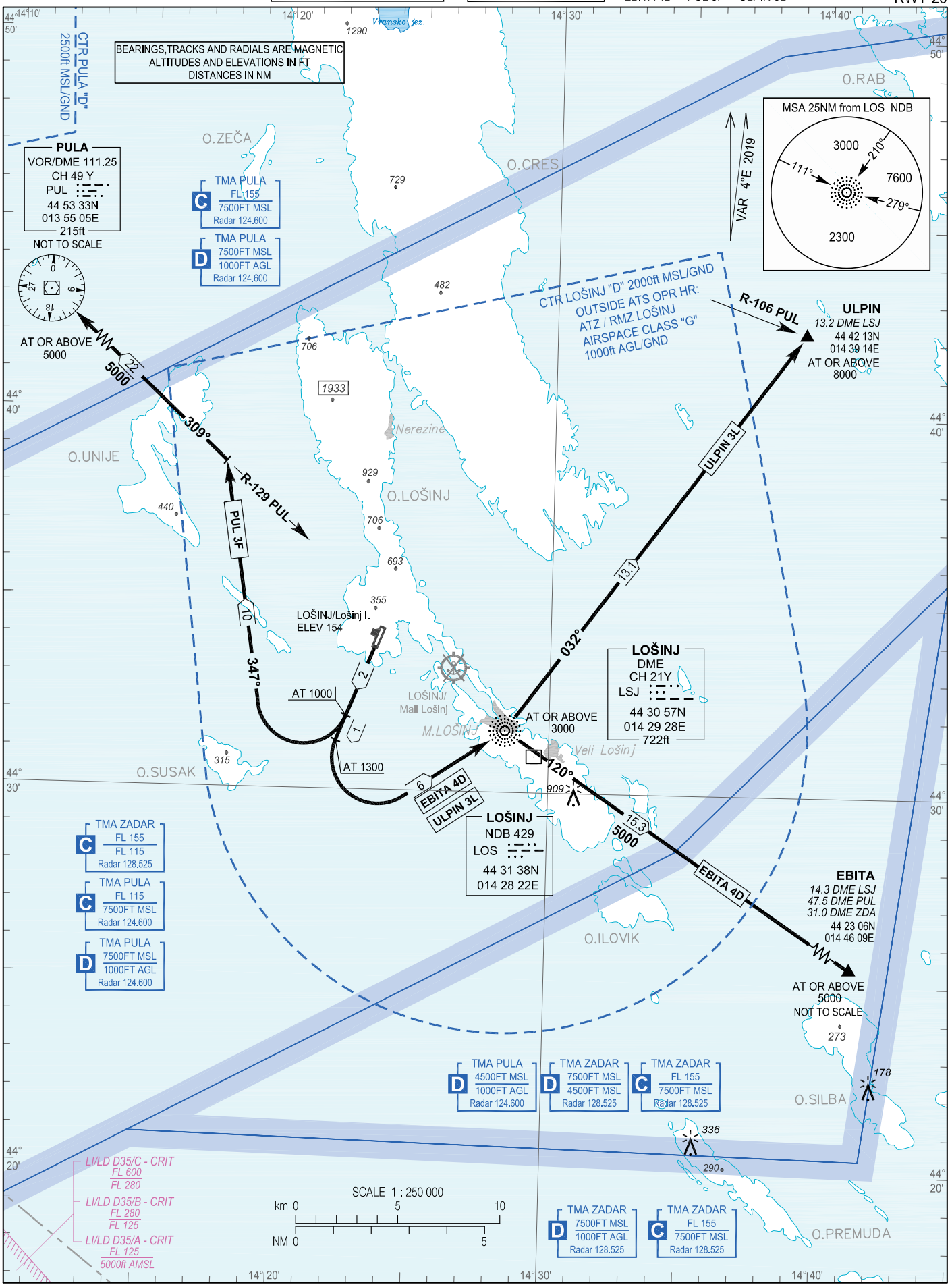
TRANSITION ALTITUDE
10 000

LOSINJ TOWER	120.300
PULA RADAR	124.600
	127.675

LOŠINJ / Lošinj I. (LDLO)

EBITA 4D PUL 3F ULPIN 3L

RWY 20



CHANGE: TMA PULA vertical limits changed; Editorial.

OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA
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CHANGE: TMA PULA vertical limits changed; PBN box updated; Water aerodromes PULA/Pula and RAB/Rab deleted; Editorial.

LDLO AD 2.24.8 SID RNAV RWY 20 CAT A & B -1
23 JAN 2025

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

LOSINJ TOWER 120.300
PULA RADAR 124.600
127.675

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

LOŠINJ / Lošinj I. (LDLO)

RNAV RWY 20 CAT A & B

RNAV 1
GNSS required

PUL
6000

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

PULA/Pula
ELEV 275

LDR25
1350FT MSL
GND

LDTR17
LDTS17
FL 100
GND

CTR PULA "D" 2500ft MSL/GND

PUL 1U

18.3

354°
(358.2°T)

LABIN 1U

21.7

306°
(310.1°T)

LO803

LDTR18
LDTS18
16400FT MSL
GND

NOT TO SCALE
LABIN
8000

LABIN 1U

21.7

293°
(297.5°T)

LO804

NOT TO SCALE

ZAGREB FIR

MILANO FIR

TMA PULA
C FL 155
7500FT MSL
Radar 124,600

TMA PULA
D 7500FT MSL
1000FT AGL
Radar 124,600

CTR LOŠINJ "D" 2000ft MSL/GND
OUTSIDE ATS OPR HR:
ATZ / RMZ LOŠINJ
AIRSPACE CLASS "G"
1000ft AGL/GND

LOŠINJ
VOR/DME 117.350
CH 120Y
NTL
44 33 59N
014 23 28E
190ft

LOŠINJ/Lošinj I.
ELEV 154

LOŠINJ
DME
CH 21Y
LSJ
44 30 57N
014 29 28E
722ft

PUL 1U
LABIN 1U

19.2

297°
(300,9°T)

BURQE

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

9.0

198°
(201.6°T)

3.5

108°
(111.5°T)

LO802

GISER 1U

51.8

036°
(040.0°T)

090°
(093.6°T)

16.3

EBITA 2U

EBITA
4000

NOT TO SCALE
GISER
8000

LI/LD D35/C - CRIT
FL 600
FL 280

LI/LD D35/B - CRIT
FL 280
FL 125

LI/LD D35/A - CRIT
FL 125
5000ft AMSL

MSA 25NM from LDLO ARP
7700
ARP

VAR 4°E 2019

TMA ZADAR
C FL 155
FL 115
Radar 128,525

TMA PULA
C FL 115
7500FT MSL
Radar 124,600

TMA ZADAR
C FL 155
7500FT MSL
Radar 128,525

TMA ZADAR
D 7500FT MSL
4500FT MSL
Radar 128,525

TMA PULA
D 4500FT MSL
1000FT AGL
Radar 124,600

TMA ZADAR
C FL 155
7500FT MSL
Radar 128,525

TMA ZADAR
D 7500FT MSL
1000FT AGL
Radar 128,525

SCALE 1:400 000
5 0 5 10 km
2 0 5 NM

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

O.KRK
O.PRVIĆ
Sv.GRGUR
GOLI O.
O.RAB
O.CRES
O.ZEČA
O.GALIJOLA
O.DOLIN
O.UNIJE
O.LOŠINJ
Nerezine
M.LOŠINJ
LOŠINJ/ Mali Lošinj
V.Lošinj
PAG/ Novalja
O.PAG
O.SUSAK
O.ILOVIK
O.ŠKRDA
O.MAUN
O.SILBA
O.OLIB
O.PREMUDA
Vrnsko jez.

LOŠINJ / Lošinj I. (LDLO)

RNAV RWY 20 CAT A & B

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

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

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

LDLO RNAV STANDARD INSTRUMENT DEPARTURE RWY 20

Proposed tabular description for navigation database coding

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

Waypoint coordinates

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

CHANGE: TMA PULA vertical limits changed; PBN box updated; Water aerodromes PULA/Pula and RAB/Rab deleted; Editorial.

STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

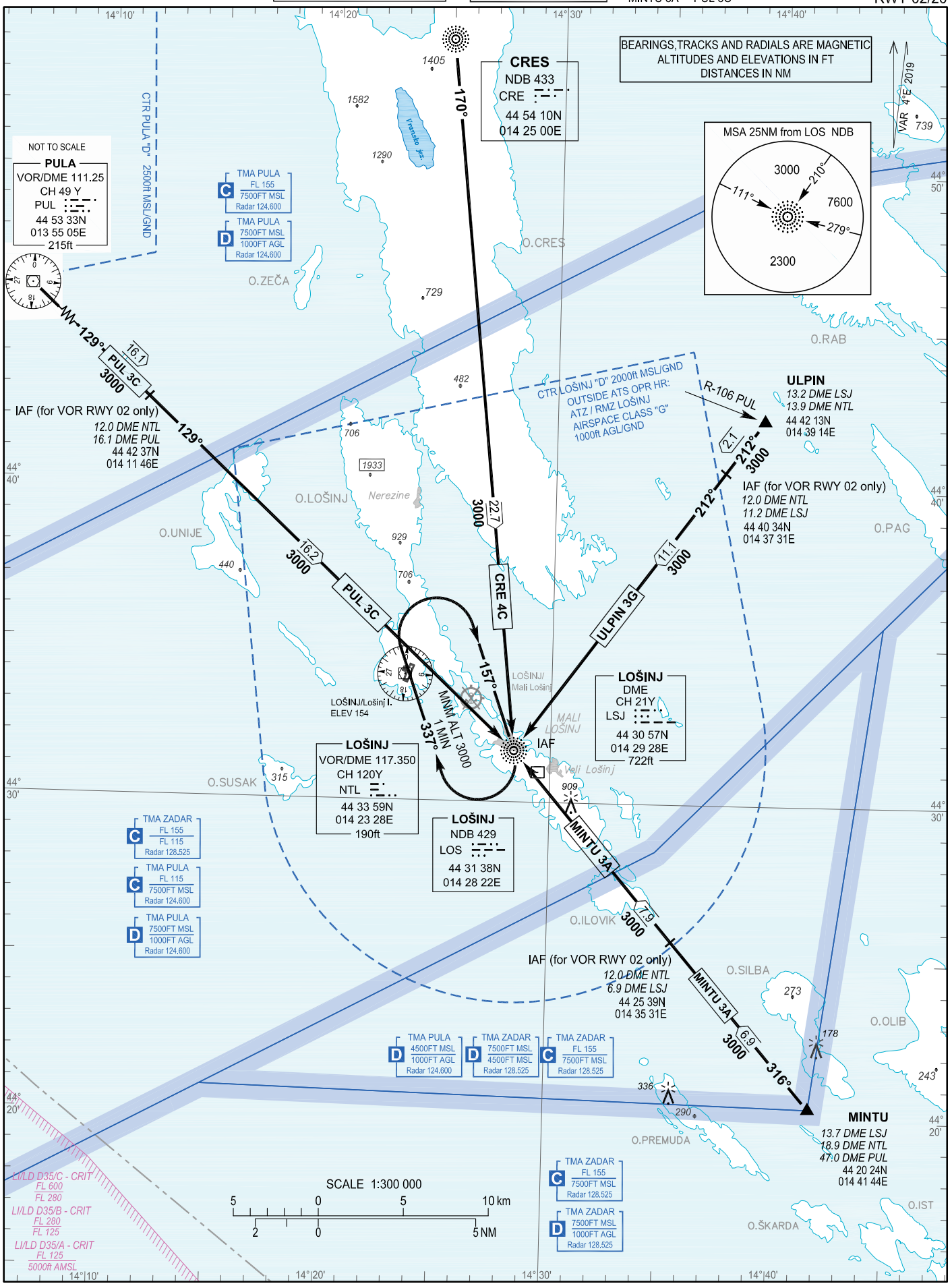
TRANSITION ALTITUDE
10 000

PULA RADAR	124.600
	127.675
LOSINJ TOWER	120.300

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

LOŠINJ / Lošinj I. (LDLO)

RWY 02/20



CHANGE: TMA PULA vertical limits changed; Water aerodrome RAB/Rab deleted; Editorial.

OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA
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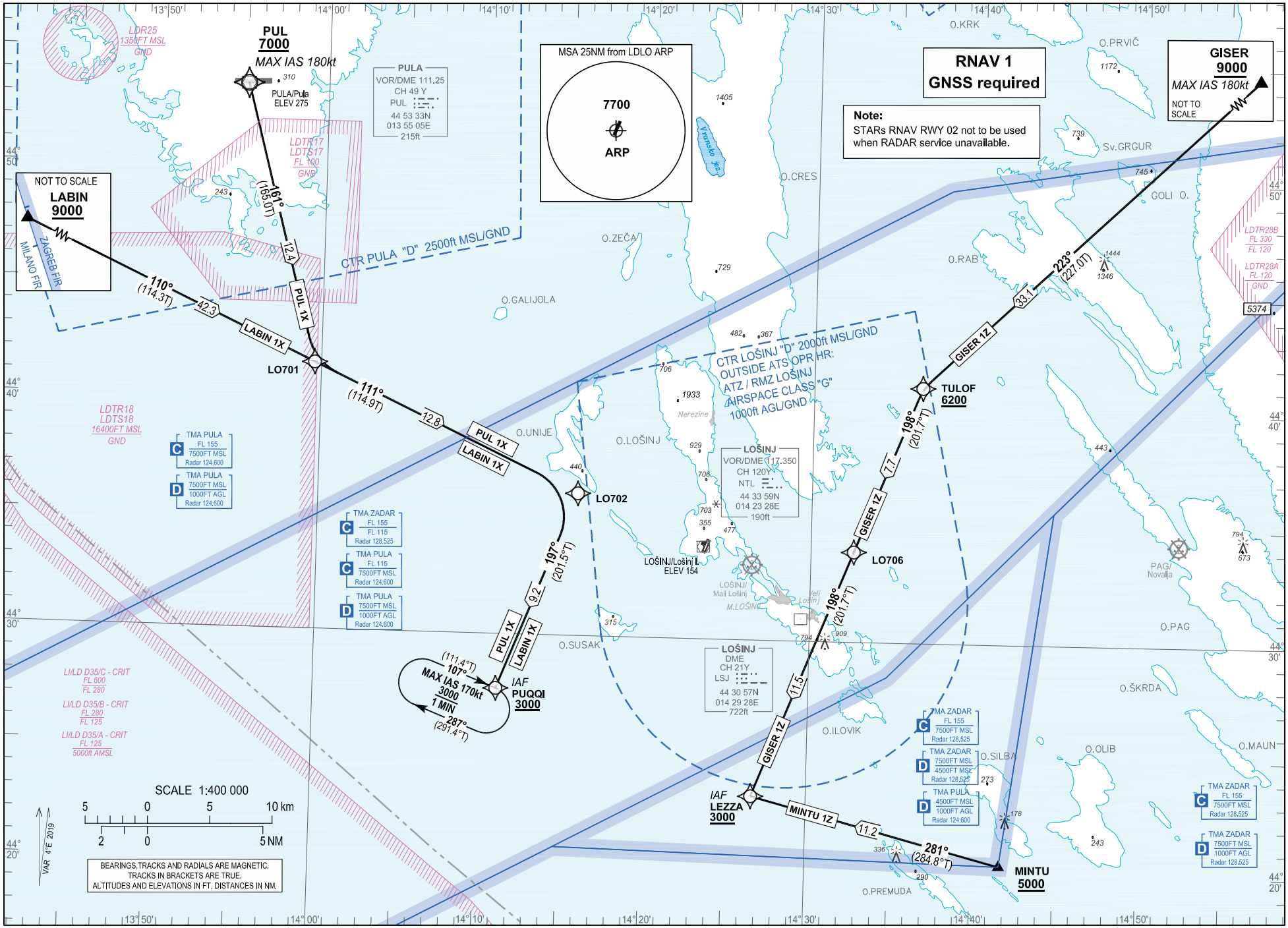
CHANGE: PBN box updated; Water aerodromes PULA/Pula and RAB/Rab deleted; Editorial.



STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

PULA RADAR	124.600
LOSINJ TOWER	127.675
	120.300

LABIN 1X
GISER 1Z
PUL 1X
MINTU 1Z

LOŠINJ / Lošinj I. (LDLO)
RNAV RWY 02 CAT A & B

LOŠINJ / Lošinj I. (LDLO)

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

LDLO RNAV STANDARD ARRIVAL RWY 02

Proposed tabular description for navigation database coding

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

RNAV HOLDING tabular description

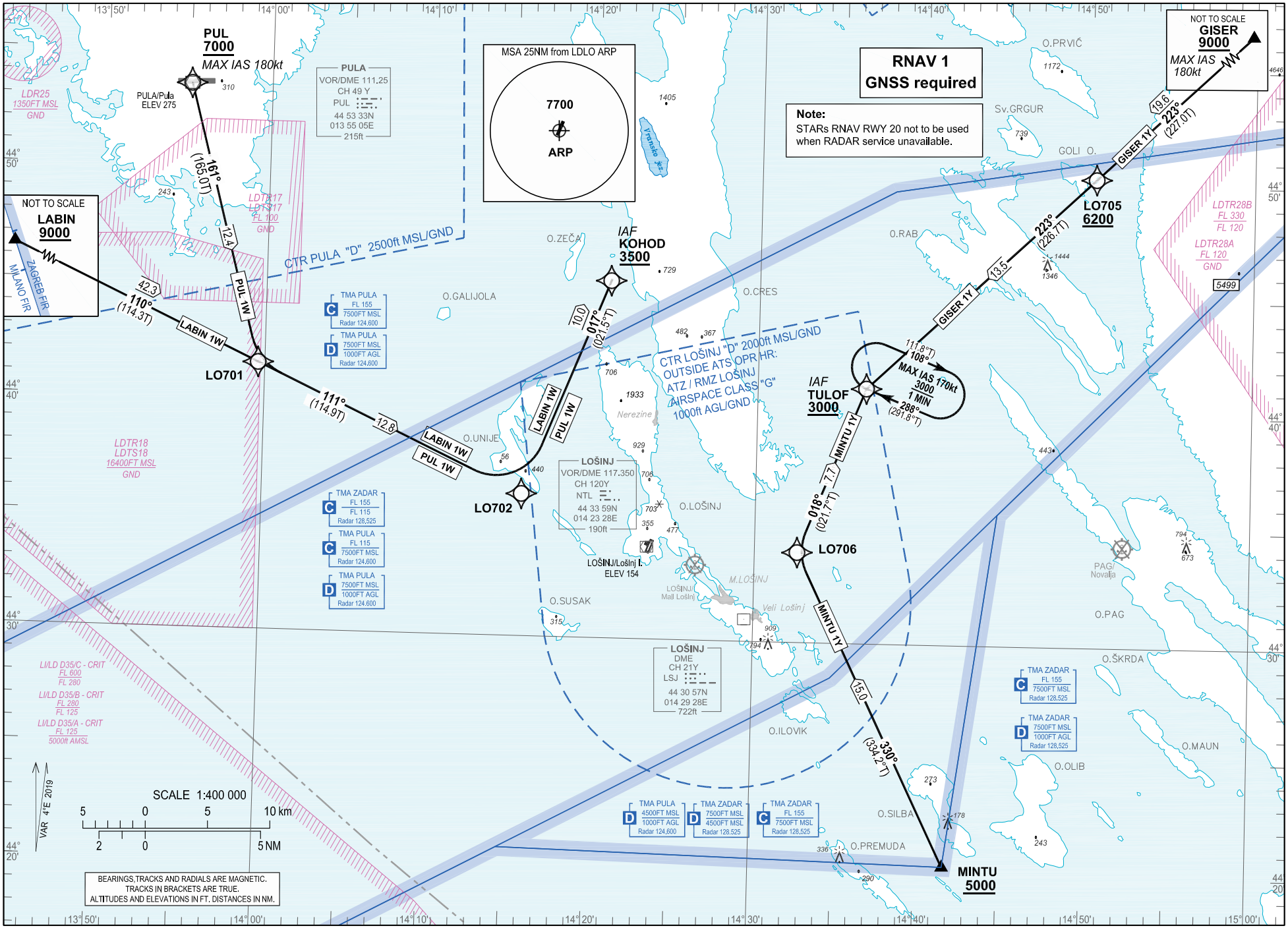
Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
PUQQI	HM	107° (111.4°T)	1 MIN -	R	3000	-	170	4°E		RNAV 1

Waypoint coordinates

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

CHANGE: PBN box updated; Water aerodromes PULA/Pula and RAB/Rab deleted; Editorial.

CHANGE: PBN box updated; Water aerodromes PULA/Pula and RAB/Rab deleted; Editorial.



STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

PULA RADAR	124.600
LOSINJ TOWER	127.675
	120.300

LABIN 1W
GISER 1Y
PUL 1W
MINTU 1Y

LDLO AD 2.24.10 STAR RNAV RWY 20 CAT A & B -1
23 JAN 2025

LOŠINJ / Lošinj I. (LDLO)
RNAV RWY 20 CAT A & B

LOŠINJ / Lošinj I. (LDLO)

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

LDLO RNAV STANDARD ARRIVAL RWY 20

Proposed tabular description for navigation database coding

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

RNAV HOLDING tabular description

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

Waypoint coordinates

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

CHANGE: PBN box updated; Water aerodromes PULA/Pula and RAB/Rab deleted; Editorial.

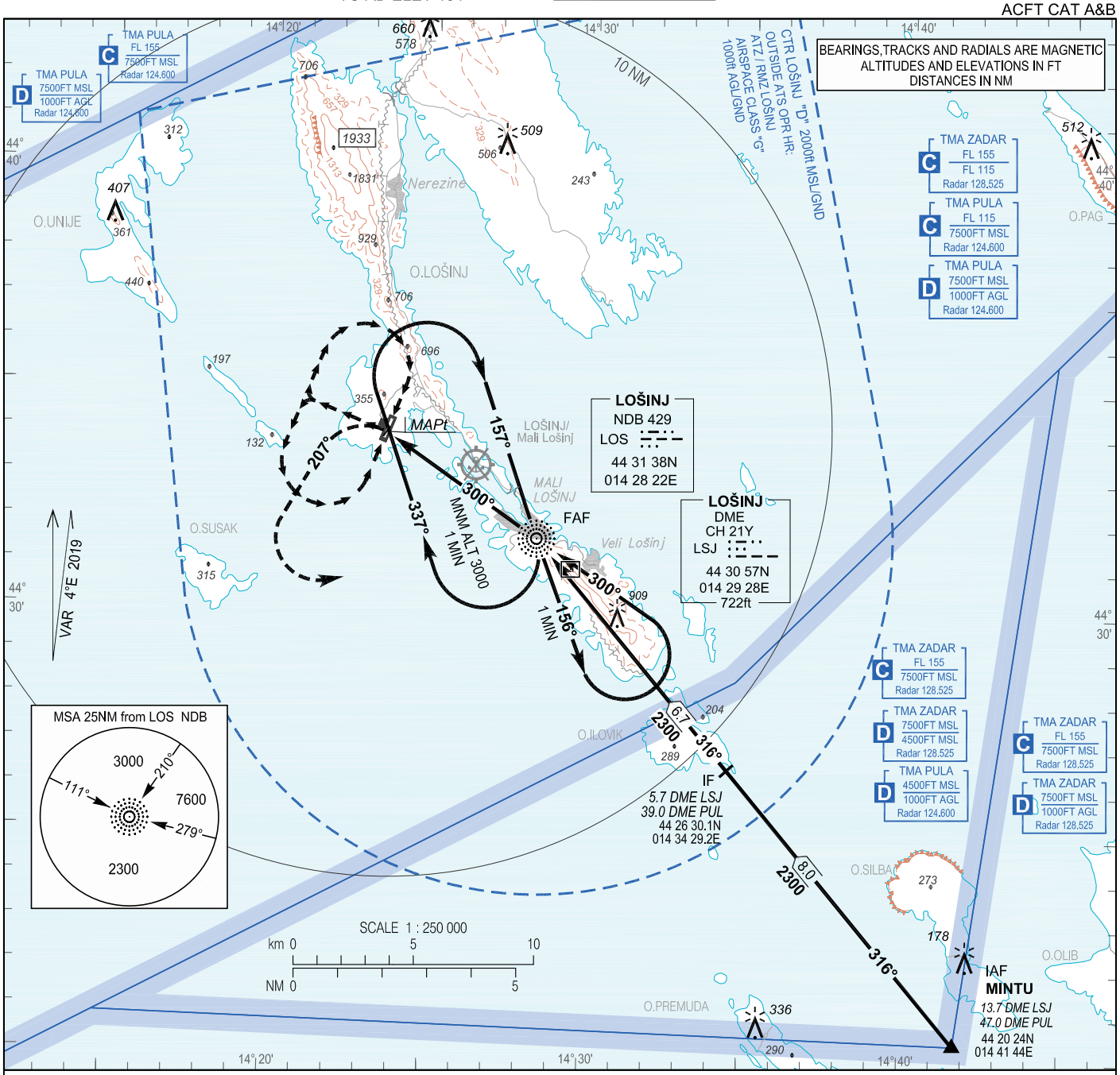
INSTRUMENT APPROACH CHART - ICAO

AD ELEV 154
HEIGHTS RELATED TO AD ELEV 154

PULA RADAR	124.600
	127.675
LOSINJ TOWER	120.300

LOŠINJ / Lošinj I. (LDLO)

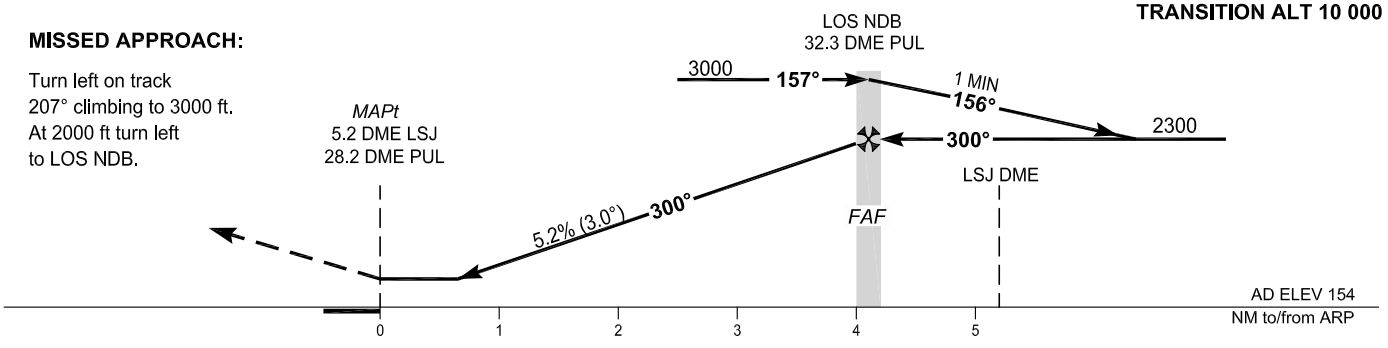
NDB-a RWY 02/20
ACFT CAT A&B



TRANSITION ALT 10 000

MISSED APPROACH:

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



OCA(H)	A	B
CIRCLING	1070 (916)	

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

CHANGE: TMA PULA vertical limits changed; Editorial.

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

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

CHANGE: TMA PULA vertical limits changed; Editorial.

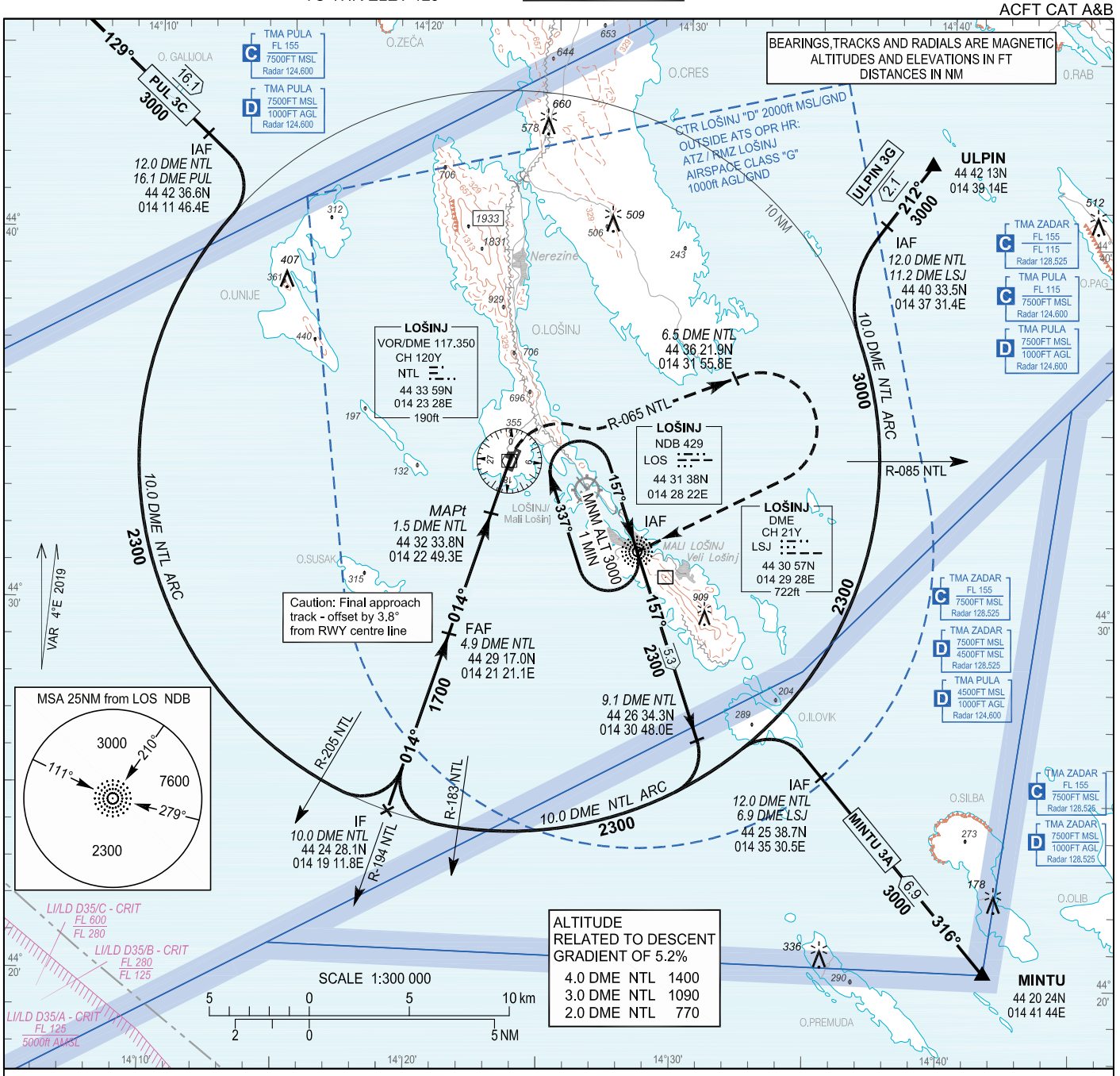
INSTRUMENT APPROACH CHART - ICAO

AD ELEV 154
HEIGHTS RELATED TO THR ELEV 129

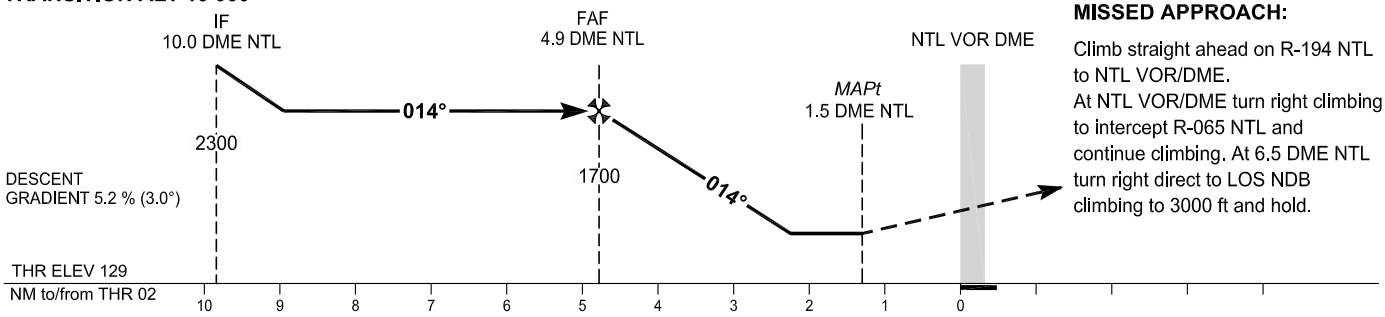
PULA RADAR	124.600
	127.675
LOSINJ TOWER	120.300

LOŠINJ / Lošinj I. (LDLO)

VOR RWY 02
ACFT CAT A&B



TRANSITION ALT 10 000



MISSED APPROACH:

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

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

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

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

CHANGE: TMA PULA vertical limits changed; LI/LD D35/A - CRIT, LI/LD D35/B, LI/LD D35/C - CRIT zones added; Editorial.

VOR RWY 02
ACFT CAT A&B

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

CHANGE: TMA PULA vertical limits changed; LI/LD D35/A - CRIT, LI/LD D35/B, LI/LD D35/C - CRIT zones added; Editorial.

INSTRUMENT APPROACH CHART-ICAO

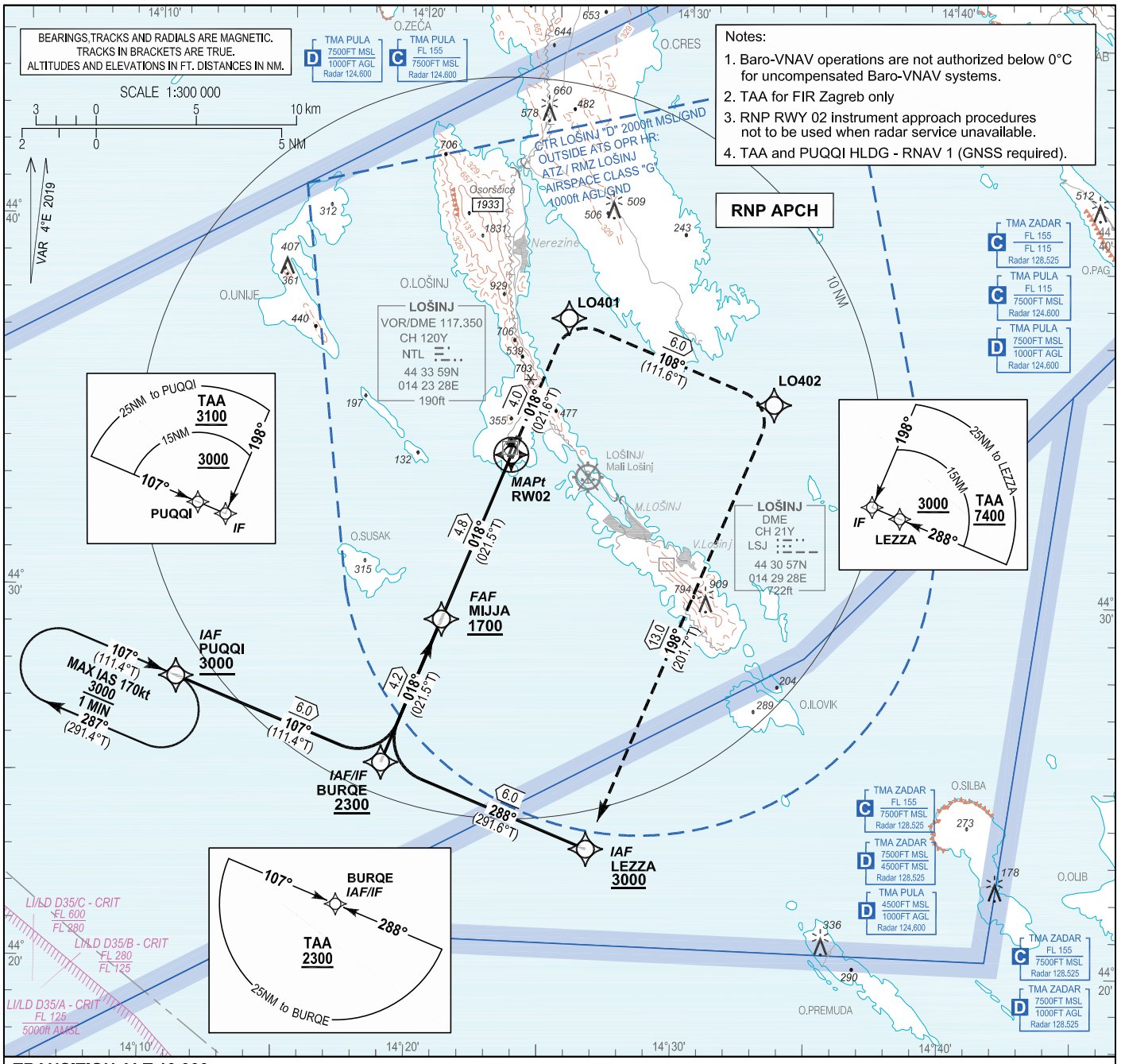
AD ELEV 154
HEIGHTS RELATED TO THR 02 ELEV 129

SBAS
CH: 91500
E02A

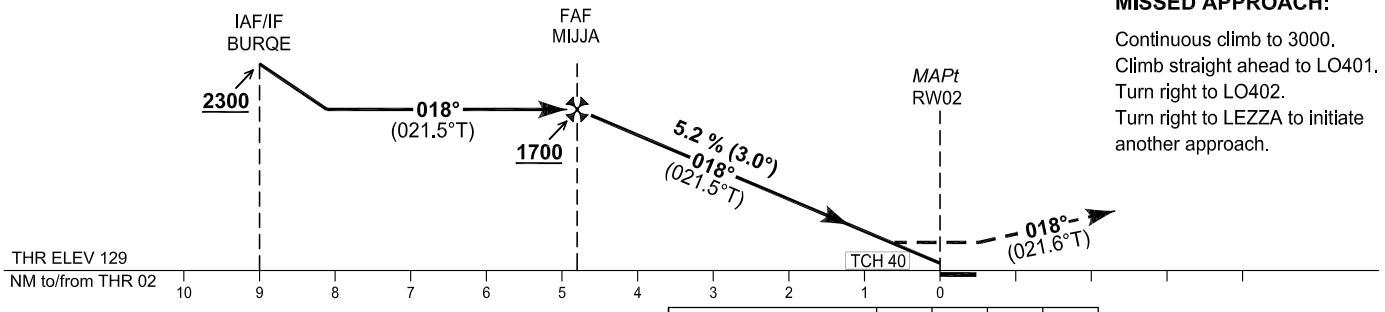
PULA RADAR	124.600
	127.675
LOSINJ TOWER	120.300

LOŠINJ / Lošinj I. (LDLO)

RNP RWY 02



TRANSITION ALT 10 000



MISSED APPROACH:

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

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

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

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

CHANGE: TMA PULA vertical limits changed; Notes updated; Editorial.

RNP RWY 02

Coding elements for FAS Data Block

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

CHANGE: TMA PULA vertical limits changed; Notes updated; Editorial.

RNP RWY 02

LDLO RNP RWY 02

Proposed tabular description for navigation database coding - APPROACH TRANSITION

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

Proposed tabular description for navigation database coding - FINAL TRANSITION

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

RNAV HOLDING tabular description

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

Waypoint coordinates

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

CHANGE: TMA PULA vertical limits changed; Notes updated; Editorial.

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INSTRUMENT APPROACH CHART-ICAO

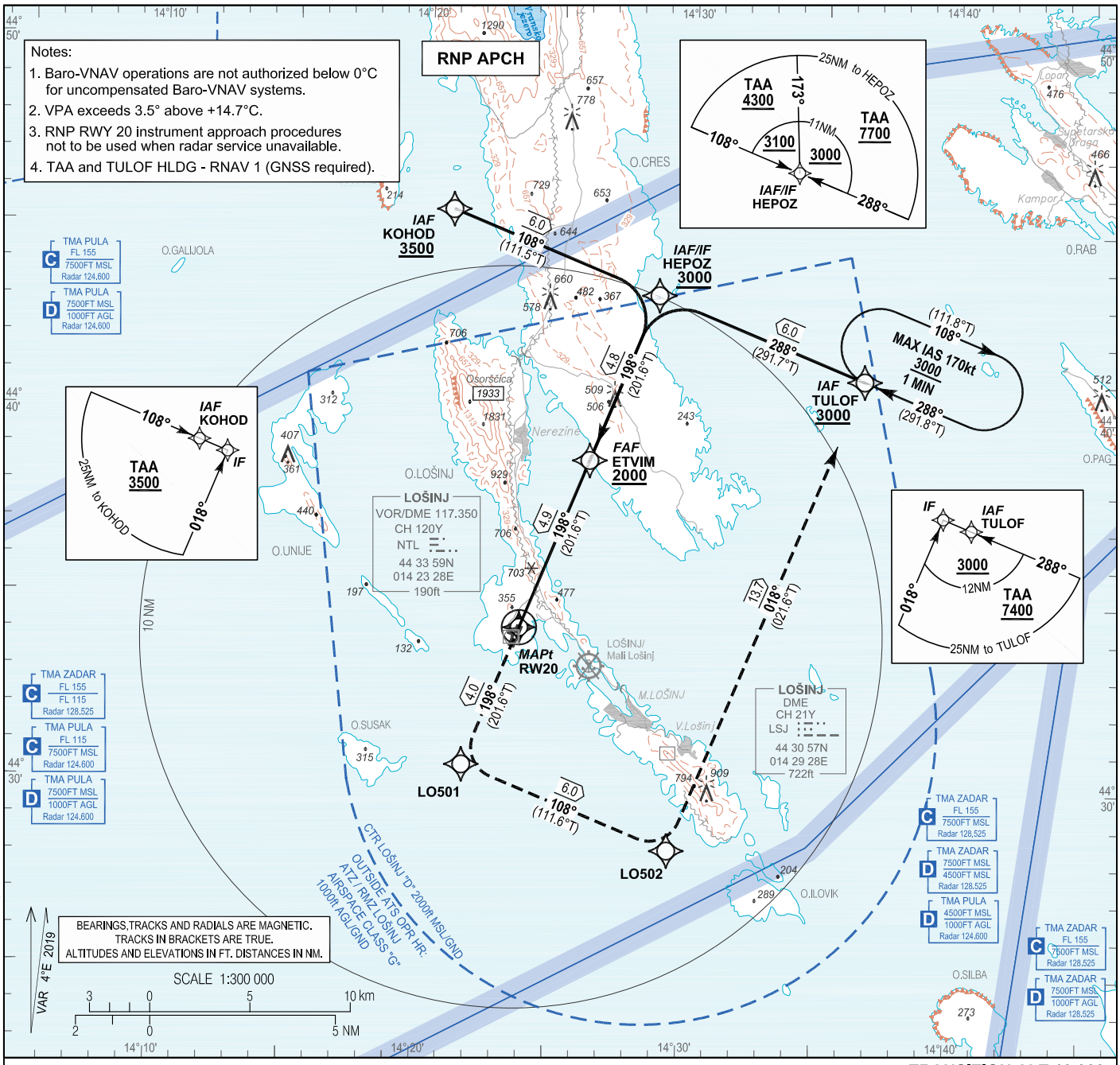
AD ELEV 154
HEIGHTS RELATED TO THR 20 ELEV 146

SBAS
CH: 83074
E20A

PULA RADAR	124.600
	127.675
LOSINJ TOWER	120.300

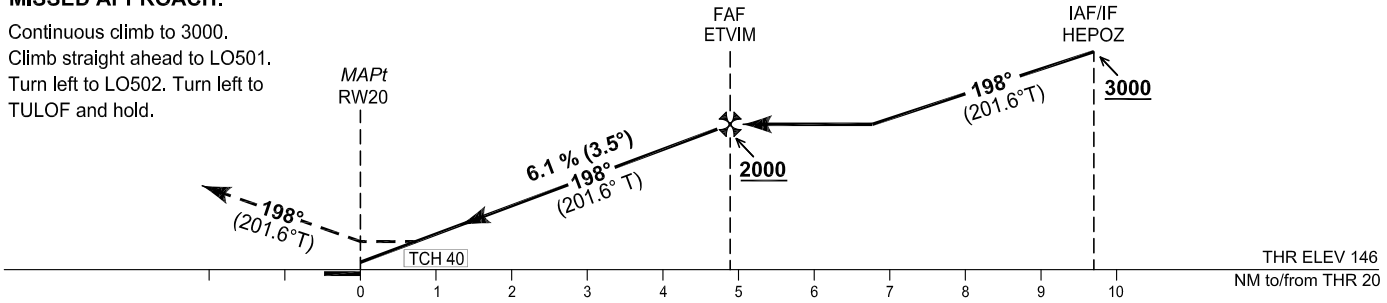
LOŠINJ / Lošinj I. (LDLO)

RNP RWY 20 (LPV, LNAV/VNAV only)



MISSED APPROACH:

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



TRANSITION ALT 10 000

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

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

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

CHANGE: TMA PULA vertical limits changed; Notes updated; Water aerodrome RAB/Rab deleted; Editorial.

RNP RWY 20 (LPV, LNAV/VNAV only)

Coding elements for FAS Data Block

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

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

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

CHANGE: TMA PULA vertical limits changed; Notes updated; Water aerodrome RAB/Rab deleted; Editorial.

RNP RWY 20 (LPV, LNAV/VNAV only)

LDLO RNP RWY 20

Proposed tabular description for navigation database coding - APPROACH TRANSITION

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

Proposed tabular description for navigation database coding - FINAL TRANSITION

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

RNAV HOLDING tabular description

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

Waypoint coordinates

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

CHANGE: TMA PULA vertical limits changed; Notes updated; Water aerodrome RAB/Rab deleted; Editorial.

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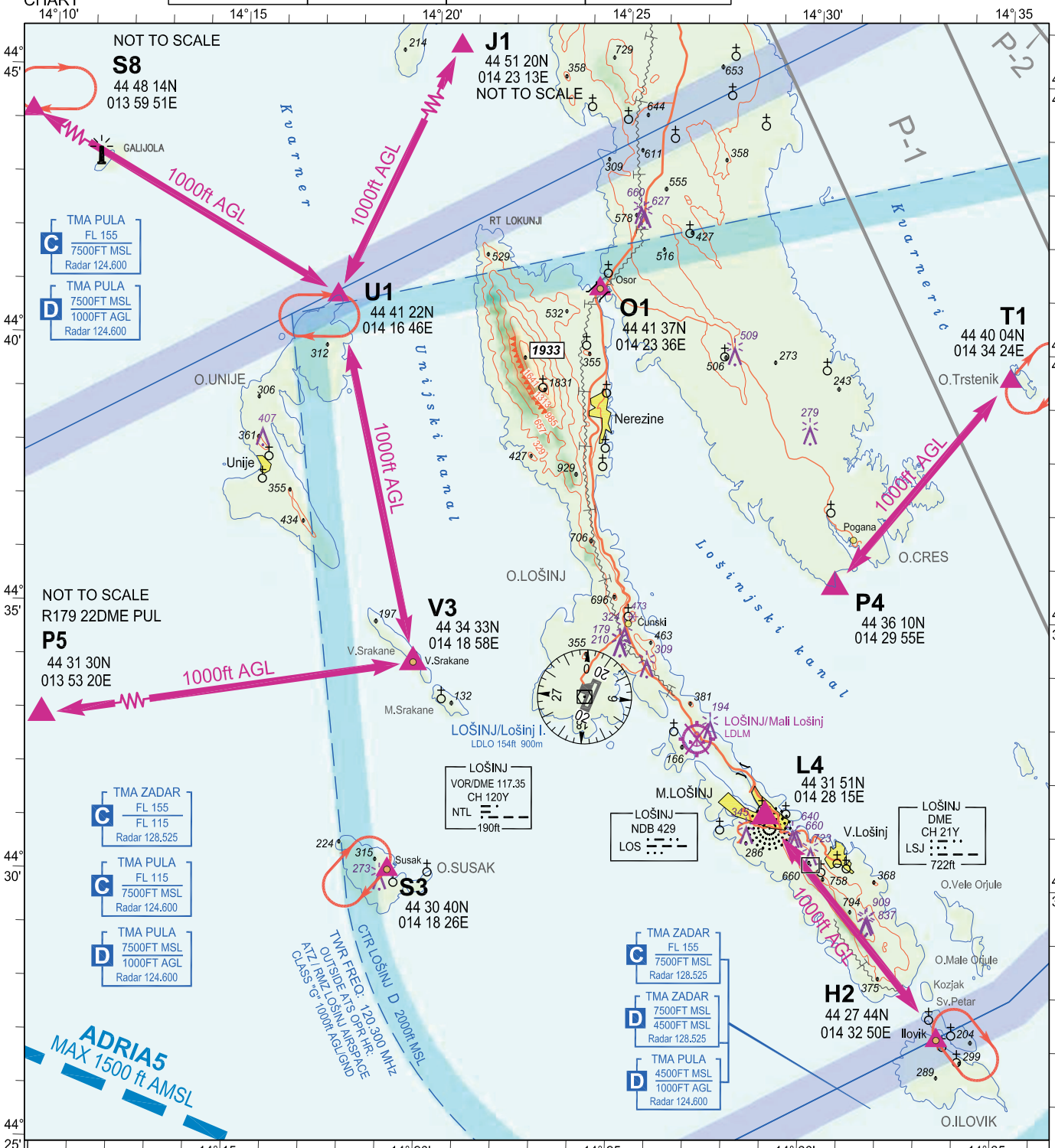
VISUAL OPERATION CHART

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

LOŠINJ / Lošinj I. (LDLO)



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

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

SCALE 1:200 000

2 0 5 km
1 0 3 NM

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

VAR 4° E 2019

ALTITUDES AND ELEVATIONS IN FT

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

LEGEND

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

CHANGE: TMA PULA vertical limits changed.

OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA
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LDOS AD 2.5 PASSENGER FACILITIES

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

LDOS AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 7 See Remarks
2	Rescue equipment	1 heavy fire fighting vehicle Mercedes (Rosenbauer): 9000 L water, 1000 L foam 1 heavy fire fighting vehicle MAN (ZIEGLER): 9100 L water, 1100 L foam 1 command vehicle Mazda BT50, 100 L water, 5 L foam
3	Capability for removal of disabled aircraft	Special equipment for removal of disabled aircraft is not available at Osijek Airport, possible cooperation with external companies. Contact: Tel: +385 (31) 514 451 e-mail: opc@osijek-airport.hr
4	Remarks	CAT 4 during operational hours of AD, up to CAT 7 for ACFT at scheduled flights and O/R 24 HR earlier during operational hours of AD.

LDOS AD 2.7 RUNWAY SURFACE CONDITION ASSESSMENT AND REPORTING, AND SNOW PLAN

1	Types of clearing equipment	2 snow blower 2 snow brushes 3 snow ploughs 2 urea spreaders
2	Clearance priorities	1. RWY 2. TWY 3. APRON
3	Use of material for movement area surface treatment	Urea
4	Specially prepared winter runways	NIL
5	Remarks	Surface friction testers (high pressure tire): MOVENTOR SKIDDOMETER BV11 REF AD 1.2.2 for additional information.

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

1	Apron surface and strength	**SURFACE**		**STRENGTH**	
		ASPH		PCN 95/F/B/W/T	
2	Designation, width, surface and strength of taxiways	**DESIGNATION**	**WIDTH (M)**	**SURFACE**	**STRENGTH**
		A	23	ASPH	PCN 91/F/BW//T
		B	23	ASPH	PCN 91/F/B/W/T
		APRON TWY	23	ASPH	PCN 95/F/B/W/T
3	ACL location and elevation	Location: At Apron Elevation: 291 FT			
4	Location of VOR checkpoints	Nil			
5	Position of INS checkpoints	**RAMP/STAND**	**INS COORDINATES**		
		PSN 1	452755.31N 0184831.13E		
		PSN 2	452755.99N 0184828.57E		
		PSN 3	452756.66N 0184826.00E		
		PSN 4	452757.34N 0184823.44E		
		PSN 5	452757.31N 0184820.33E		
		PSN 6	452757.78N 0184820.58E		
		PSN 7	452758.26N 0184820.83E		
		PSN 8	452758.57N 0184819.62E		
		PSN 9	452758.07N 0184819.35E		
		PSN 10	452757.48N 0184818.69E		
		PSN A	452755.81N 0184829.72E		
		PSN B1	452757.53N 0184820.50E		
		PSN B2	452757.37N 0184820.83E		
6	Remarks	TWY A: Paved shoulders, width 7.5 M. TWY B: Paved shoulders, width 7.5 M. APRON: Paved shoulders, width 7.5 M			

LDOS 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. Vehicle-Follow me, Marshaller.
2	RWY and TWY markings and LGT	RWY-11/29: Designations, THR, Centre line, edges, TDZ, aiming point, RWY turn pad. TWY A: Centre line, Holding positions, RWY guard lights. TWY B: Centre line, Holding positions, RWY guard lights. APRON TWY: Centre line
3	Stop bars	Nil
4	Remarks	Nil

LDOS AD 2.10 AERODROME OBSTACLES

Obstacles in Area 2:
See LDOS AD 2.24.4 AOC RWY 11/29 -1

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking / LGT type and colour**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
LDOS 01	ANTENNA	452720.27N 0185015.79E	101/15 M	Yes LGT Type B/red	NIL
LDOS 02	ANTENNA	452718.76N 0185014.99E	101/14 M	Yes LGT Type B/red	NIL

Detailed description of obstacles that penetrate the obstacle limitation surfaces currently not available.
Detailed description of obstacles that penetrate the take-off flight path area obstacle identification surface currently not available.
Detailed description of obstacles assessed as being hazardous to air navigation currently not available.
Area 2 data set for the aerodrome currently not available.

Obstacles in Area 3:
NIL

LDOS AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	OSIJEK
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	MWO ZAGREB TAF (24HR)
4	Trend Forecast Interval of issuance	NIL
5	Briefing/consultation provided	Selfbriefing (URL: https://ib.crocontrol.hr) or by phone: +385 1 6259 240
6	Flight documentation Language(s) used	• Selfbriefing (URL: https://ib.crocontrol.hr) or request by phone: +385 31 226 803 • Croatian, English
7	Charts and other information available for briefing or consultation	• ICE, TURB and CB forecasts • Lightning data • Satelite images • Radar images
8	Supplementary equipment available for providing information	URL:https://met.crocontrol.hr
9	ATS units provided with information	Osijek TWR, Osijek APP
10	Additional information (limitation of service, etc.)	NIL

LDOS AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

RWY Designations	**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	110.52°	2500 x 45 M	PCN 82/F/B/W/T ASPH	452758.68N 0184746.96E 452730.26N 0184934.68E 144.0 FT	THR 291 FT TDZ 289 FT
29	290.54°			452730.26N 0184934.67E 452758.68N 0184746.95E 144.0 FT	THR 290 FT TDZ 289 FT

RWY Designations	Slope of **RWY-SWY**	**SWY dimensions (M)**	**CWY** dimensions (**M**)	**Strip dimensions (M)**	**RESA dimensions (M)**
1	**7**	**8**	**9**	**10**	**11**
11	Slope of RWY 11/29: 0°	Nil	Nil	2620 x 300	Length: 240 M Width: 90 M
29		Nil	Nil		Length: 240 M Width: 90 M

RWY Designations	**Location and description of arresting system**	**OFZ**	**Remarks**
1	**12**	**13**	**14**
11	Nil	Nil	Paved shoulders, width 7.5 M
29	Nil	Nil	Paved shoulders, width 7.5 M

LDOS AD 2.13 DECLARED DISTANCES

RWY Designator	**TORA** (**M**)	**TODA** (**M**)	**ASDA** (**M**)	**LDA** (**M**)	**Remarks**
1	**2**	**3**	**4**	**5**	**6**
11	2500	2500	2500	2500	Nil
	1850	1850	Nil	Nil	Intersection TWY A
	1573	1573	Nil	Nil	Intersection TWY B
29	2500	2500	2500	2500	Nil
	673	673	Nil	Nil	Intersection TWY A
	950	950	Nil	Nil	Intersection TWY B

LDOS AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type / LEN / INTST	THR LGT colour / WBAR	VASIS type (MEHT)	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	SALS (E) 420 M W VRB LIH	G VRB LIH	PAPI (52 FT) LEFT, 3°	Nil	Nil	2500 M 60 M W VRB LIH YCZ 600 M	R VRB LIH	Nil	Nil
29	CAT I (A) 900 M W VRB LIH	G VRB LIH	PAPI (52 FT) LEFT, 3°	Nil	Nil	2500 M 60 M W VRB LIH YCZ 600 M	R VRB LIH	Nil	Nil

LDOS 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	Nil Anemometer RWY11: position 115 M right of RCL, distance 374 M from (after) THR11, ICAO marked and lighted. Anemometer RWY29: position 137 M left of RCL, distance 301 M from (after) THR29, ICAO marked and lighted. WDI Position: 1151 M from THR11 and 91 M left from RCL, 1349 M from THR29 and 91 M right from RCL. Lighted.
3	TWY edge and centre line lighting	TWY A EDGE: B VRB LIL TWY B EDGE: B VRB LIL APRON TWY EDGE: B VRB LIL
4	Secondary power supply/switch-over time	Available/ 1 SEC: RWY lights (THR 11, THR 29, RWY End, RWY Edge, Vertical signs), TWY lights (Edge, Vertical signs), Vertical Airport Marking aids and Signs, Approach lighting, PAPI units; 8 SEC: all other lighting at AD
5	Remarks	RWY turn pad marking lights on turn pad THR 11 and on turn pad THR 29 are not available.

LDOS 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 to be used in accordance with the aerodrome operator instructions.

LDOS AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	CTR Osijek 453642N 0183557E 453027N 0185943E 452853N 0185922E Along the FIR boundary Zagreb/Beograd. 452140N 0185952E 451714N 0185645E 452614N 0183019E 453642N 0183557E
2	Vertical limits	3000 FT ALT / GND
3	Airspace classification	D
4	ATS unit call sign Language(s)	OSIJEK TOWER / OSIJEK TORANJ Croatian, English
5	Transition altitude	10000 FT MSL
6	Remarks	For airspace description outside LDOS ATS operational hours see AIP ENR 2.1 (Uncontrolled Airspace and CTA Zagreb). Outside LDOS ATS operating hours, RMZ Osijek activated within same lateral limits as CTR Osijek, 1000 FT AGL/GND. Outside LDOS ATS operating hours, ATZ Osijek is active. ATZ Osijek is defined as a circle of R=2.5 NM centered at LDOS ARP, 1000 FT AGL/GND, classified as G class airspace. REF AD 2.22

LDOS AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
APP	OSIJEK PRILAZNA KONTROLA / OSIJEK APPROACH	128.350 MHZ	Upon NOTAM or AIP SUP	PRIMARY FREQ
		125.850 MHZ	Upon NOTAM or AIP SUP	ALTN FREQ
		121.500 MHZ	Upon NOTAM or AIP SUP	EMERG FREQ
TWR	OSIJEK TOWER / OSIJEK TORANJ	128.350 MHZ	Upon NOTAM or AIP SUP	PRIMARY FREQ
		125.850 MHZ	Upon NOTAM or AIP SUP	ALTN FREQ

LDOS AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid **CAT** of **ILS/MLS** (**VOR/ILS/MLS VAR**)	ID	Frequency	Hours of operation	Site of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
VOR/DME (4°E/2019)	VBA	117.4 MHZ CH121X	H24	454452.08N 0170848.29E	576 FT	Range 80 NM,except in QDR 114°-159°. Unsatisfactory DME power density due to terrain (Flight profile: Orbit flight, radius 40NM, 5000FT QNH).
DME	KLS	CH29Y	H24	452758.26N 0184732.16E	314 FT	Range 150 NM
DME 11	ISJ	CH48Y	H24	452751.96N 0184759.67E	325 FT	Coverage 80 NM Collocated with GP 11
NDB	OSJ	422 KHZ	H24	452719.51N 0185015.39E		Range 30 NM
L	CE	372 KHZ	H24	453142.33N 0183336.18E		Range 25 NM
LOC 11	ISJ	111.150 MHZ	H24	452726.88N 0184947.52E		ILS CAT I
LOC 29	IOS	111.5 MHZ	H24	452802.05N 0184734.19E		ILS CAT I
GP 11		331.550 MHZ	H24	452751.88N 0184759.63E		3°, RDH 15.4 M
GP 29		332.9 MHZ	H24	452730.64N 0184920.29E		3°, RDH 50 FT
MM29	Dots-Dashes	75 MHZ	H24	452719.64N 0185014.90E		

LDOS AD 2.20 LOCAL AERODROME REGULATIONS

2.20.1 GENERAL

Arriving aircraft shall in due time before entering the RMZ make an initial call on the RMZ frequency, according to SERA.6005 (a) (2).

Engines start up is not allowed without TWR approval, including VFR flights.

Taxiing and parking restriction:

1. For taxiing and parking restrictions adhere strictly to TWR directions and marshaller guidance.

2. A slow taxi speed and minimum power on the apron is required.

3. Follow-me guidelines are mandatory for all arriving ACFT entering the apron taxilane from TWY A or TWY B for all parking stands.

2.20.1.1 LOW VISIBILITY PROCEDURES (LVP)

ATC applies Low Visibility Procedures (LVP) to ensure the safety of operations during aircraft take-offs in low visibility conditions, Low Visibility Take-Off (LVTO).

At Osijek Airport, LVTO is applied for aircraft take-offs when visibility conditions are below RVR 550 M up to and including RVR 400 M.

When LVP procedures are in effect, pilots are informed via RTF. Only RWY29 is used during LVP.

Only one aircraft or vehicle is permitted to move on operational surfaces during LVP, with the exception of “Follow me” vehicle following the aircraft.

“Follow me” guidance:

“Follow me” guidance is provided at the request of the pilot or TWR.

During LVP, intersection take-offs are not possible.

LDOS AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

LDOS AD 2.22 FLIGHT PROCEDURES

2.22.1 Low visibility procedures

2.22.1.1 RWY and associated equipment authorized for use under LVP

During LVP runway in use is RWY 29.

If RWY 29 not available LVP shall be suspended.

A change in operational status, if caused by a failure expected to last more than one hour, will be promulgated by NOTAM. Pilots shall be informed of deficiencies that are expected to last less than one hour by RTF.

Failures of Aerodrome Lighting System associated with LVO (Low Visibility Operations) will be promulgated via RTF and/or NOTAM together with operation degradation (if any).

2.22.1.2 Criteria for the initiation, use and termination of Low Visibility Procedure (LVP)

The initiation of LVP will be implemented in two phases:

- The preparation phase (phase 1) will be implemented when the RVR falls at/below 800 M with downwards tendency.
- The operations phase (phase 2) will be activated when the RVR falls at/below 550.

LVP will be terminated when the RVR is at/greater than 800 M and a continuing improvement of these conditions is expected. Pilots will be informed by RTF.

All airport operations shall be terminated when RVR falls below 400 M.

During LVP in force pilots will be informed by RTF on first contact by the following standard message: **"Low Visibility Procedures in operation."**

2.22.1.3 Description of ATC procedures during LVP

During LVP, RWY guard lights, TWY edge lights, RWY edge lights and RWY End lights are in use.

2.22.1.4 NIL

2.22.2 SID RWY 11

All instrument approach procedures and all standard instrument departures (RWY11 and RWY29) are suspended outside ATS hours of service.
CALCULATION of SIDs is based on all-engines operative minimum net climb gradient of 3.3% (201 FT/NM).
Where a greater climb gradient for specific SID is necessary this is indicated in the description of the route.
CAUTION: Departure turn is limited to 240 KT IAS MAX, due to state boundary.

SID RWY 11				
Designator	**Route**	**After take off**		**Remarks**
		Climb initially	**Contact**	
BAREB3E	**BAREB THREE ECHO DEPARTURE** Climb straight ahead. At 700 FT turn RIGHT, intercept QDM 303° CE to CE L. Cross CE L, intercept QDR 330° CE, climbing to BAREB.			Cross BAREB at or above 6000 FT.
TUVAR6C	**TUVAR SIX CHARLIE DEPARTURE** Climb straight ahead. At 700 FT turn RIGHT, climbing on track 225°, intercept QDR 182° OSJ. At QDR 143° CE or 12.7 DME KLS, turn LEFT, to intercept R- 110 VBA, climbing to TUVAR.			Cross TUVAR at or above 6000 FT.
ADULA4C	**ADULA FOUR CHARLIE DEPARTURE** Climb straight ahead. At 700 FT turn RIGHT, climbing on track 252°, intercept QDR 212° OSJ, climbing to ADULA.			Cross ADULA at or above 5000 FT. (For flights via NASSY cross ADULA at or above 6000 FT).
PEROT3C	**PEROT THREE CHARLIE DEPARTURE** Climb straight ahead. At 700 FT turn RIGHT, intercept QDM 303° CE to CE L. At 3000 FT turn RIGHT to OSJ NDB. Cross OSJ NDB, intercept QDR 109° OSJ, climbing to PEROT.			Cross PEROT at or above 5000 FT.

2.22.3 SID RWY 29

All instrument approach procedures and all standard instrument departures (RWY11 and RWY29) are suspended outside ATS hours of service.
CALCULATION of SIDs is based on all-engines operative minimum net climb gradient of 3.3 % (201 FT/NM).
Where a greater climb gradient for specific SID is necessary this is indicated in the description of the route.

SID RWY 29				
Designator	Route	After take off		Remarks
		Climb initially	Contact	
LAKIK4K	**LAKIK FOUR KILO DEPARTURE** Climb straight ahead. At CE L proceed on QDR 278° CE, then intercept R-098 VBA climbing to LAKIK.			Cross LAKIK at or above 5000 FT.
BAREB3F	**BAREB THREE FOXTROT DEPARTURE** Climb straight ahead. At CE L turn RIGHT, intercept QDR 330° CE, climbing to BAREB.			Cross BAREB at or above 6000 FT.
TUVAR4D	**TUVAR FOUR DELTA DEPARTURE** Climb straight ahead. At 700 FT turn LEFT climbing on track 196°, at QDR 135° CE turn LEFT, intercept QDR 143° CE and proceed to intercept R-110 VBA, climbing to TUVAR.			Cross TUVAR at or above 6000 FT.
ADULA3D	**ADULA THREE DELTA DEPARTURE** Climb straight ahead. At 700 FT turn LEFT climbing on track 252°, at QDR 135° CE turn LEFT and intercept QDR 162° CE climbing to ADULA.			Cross ADULA at or above 5000 FT.
PEROT3D	**PEROT THREE DELTA DEPARTURE** Climb straight ahead. At 700 FT turn LEFT, climbing to OSJ NDB. Cross OSJ NDB, intercept QDR 109° OSJ, climbing to PEROT.			Cross PEROT at or above 5000 FT.

2.22.4 STAR RWY 11

All instrument approach procedures and all standard instrument departures (RWY11 and RWY29) are suspended outside ATS hours of service.

STAR RWY 11				
Designator	Route	Descend	Contact	Remarks
LAKIK4G	**LAKIK FOUR GOLF ARRIVAL** From LAKIK proceed on QDM 098° CE to CE L (MNM ALT 3800 FT) and hold.	As cleared by ATC		
ADULA3A	**ADULA THREE ALPHA ARRIVAL** From ADULA proceed on QDM 342° CE to CE L (MNM ALT 3800 FT) and hold.	As cleared by ATC		

2.22.5 STAR RWY 29

All instrument approach procedures and all standard instrument departures (RWY11 and RWY29) are suspended outside ATS hours of service.

STAR RWY 29				
Designator	**Route**	**Descend**	**Contact**	**Remarks**
CE3A	**CEPIN THREE ALPHA ARRIVAL** From CE L proceed on QDM 105° OSJ to OSJ NDB (MNM ALT 2000 FT).	As cleared by ATC		
ADULA5E	**ADULA FIVE ECHO ARRIVAL** From ADULA proceed on QDM 032° OSJ to ASPUN (MNM ALT 2500 FT).	As cleared by ATC		STAR to be used only for transition to ILS z or LOC z RWY 29 and ILS y or LOC y RWY 29.
NASSY4H	**NASSY FOUR HOTEL ARRIVAL** From NASSY proceed on QDM 084° OSJ (MNM ALT 4000 FT). After crossing 8.9 DME KLS (9.2 DME ISJ) proceed on QDM 084° OSJ to OSJ NDB (MNM ALT 2000 FT).	As cleared by ATC		IAF at QDM 084° OSJ / 8.9 DME KLS (9.2 DME ISJ) for ILS y or LOC y RWY 29 and ILS z or LOC z RWY 29 only.

Backup device on TWR in case of a complete communication failure

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

LDOS AD 2.23 ADDITIONAL INFORMATION

Possible bird concentration on and in the vicinity of the RWY.

LDOS AD 2.24 CHARTS RELATED TO AN AERODROME

Name	Page
Aerodrome Chart - ICAO	LDOS AD 2.24.1 ADC -1
Aircraft Parking/Docking Chart - ICAO	LDOS AD 2.24.2 APDC -1
Aerodrome Ground Movement Chart – ICAO	*NOT AVBL*
Aerodrome Obstacle Chart – ICAO Type A RWY 11-29	LDOS AD 2.24.4 AOC RWY 11/29 -1
Aerodrome Terrain and Obstacle Chart – ICAO (Electronic)	*NOT AVBL*
Precision Approach Terrain Chart – ICAO	*NOT AVBL*
Area Chart – ICAO (departure and transit routes)	*NOT AVBL*
Standard Departure Chart – Instrument – ICAO RWY 11	LDOS AD 2.24.8 SID RWY 11 -1
Standard Departure Chart – Instrument – ICAO RNP RWY 11	LDOS AD 2.24.8 SID RNP RWY 11 -1
Standard Departure Chart – Instrument – ICAO RWY 29	LDOS AD 2.24.8 SID RWY 29 -1
Standard Departure Chart – Instrument – ICAO RNP RWY 29	LDOS AD 2.24.8 SID RNP RWY 29 -1
Area Chart – ICAO (arrival and transit routes)	*NOT AVBL*
Standard Arrival Chart – Instrument – ICAO RWY 11	LDOS AD 2.24.10 STAR RWY 11 -1
Standard Arrival Chart – Instrument – ICAO RNP RWY 11	LDOS AD 2.24.10 STAR RNP RWY 11 -1
Standard Arrival Chart – Instrument – ICAO RWY 29	LDOS AD 2.24.10 STAR RWY 29 -1
Standard Arrival Chart - Instrument - ICAO RNP RWY 29	LDOS AD 2.24.10 STAR RNP RWY 29 -1
ATC Surveillance Minimum Altitude Chart - ICAO	LDOS AD 2.24.11 ATCSMAC -1
Instrument Approach Chart – ICAO L RWY 11	LDOS AD 2.24.12 IAC L RWY 11 -1
Instrument Approach Chart – ICAO ILS or LOC RWY 11	LDOS AD 2.24.12 IAC ILS or LOC RWY 11
Instrument Approach Chart – ICAO NDB RWY 11	LDOS AD 2.24.12 IAC NDB RWY 11 -1
Instrument Approach Chart – ICAO NDB RWY 29	LDOS AD 2.24.12 IAC NDB RWY 29 -1
Instrument Approach Chart – ICAO ILSx or LOCx RWY 29 ACFT CAT A&B	LDOS AD 2.24.12 IAC ILSx or LOCx RWY 29 CAT A&B -1
Instrument Approach Chart – ICAO ILS y or LOC y RWY 29	LDOS AD 2.24.12 IAC ILSy or LOCy RWY 29 -1
Instrument Approach Chart – ICAO ILS z or LOC z RWY 29	LDOS AD 2.24.12 IAC ILS z or LOC z RWY 29 -1
Instrument Approach Chart – ICAO RNP RWY 11	LDOS AD 2.24.12 IAC RNP RWY 11 -1
Instrument Approach Chart – ICAO RNP-a RWY 29	LDOS AD 2.24.12 IAC RNP-a RWY 29 -1
Visual Approach Chart - ICAO	*NOT AVBL*
Visual Operation Chart	LDOS AD 2.24.13 VOC -1
Bird concentrations	*NOT AVBL*

Remark: All instrument approach procedures and all standard instrument departures (RWY11 and RWY29) are suspended outside ATS hours of service.

AERODROME CHART - ICAO

ARP
45°27' 45.60"N
018°48' 36.56"E

AD ELEV 291 ft
AD GUND 144 ft

OSIJEK TOWER 128.350

OSIJEK / Klisa
CROATIA

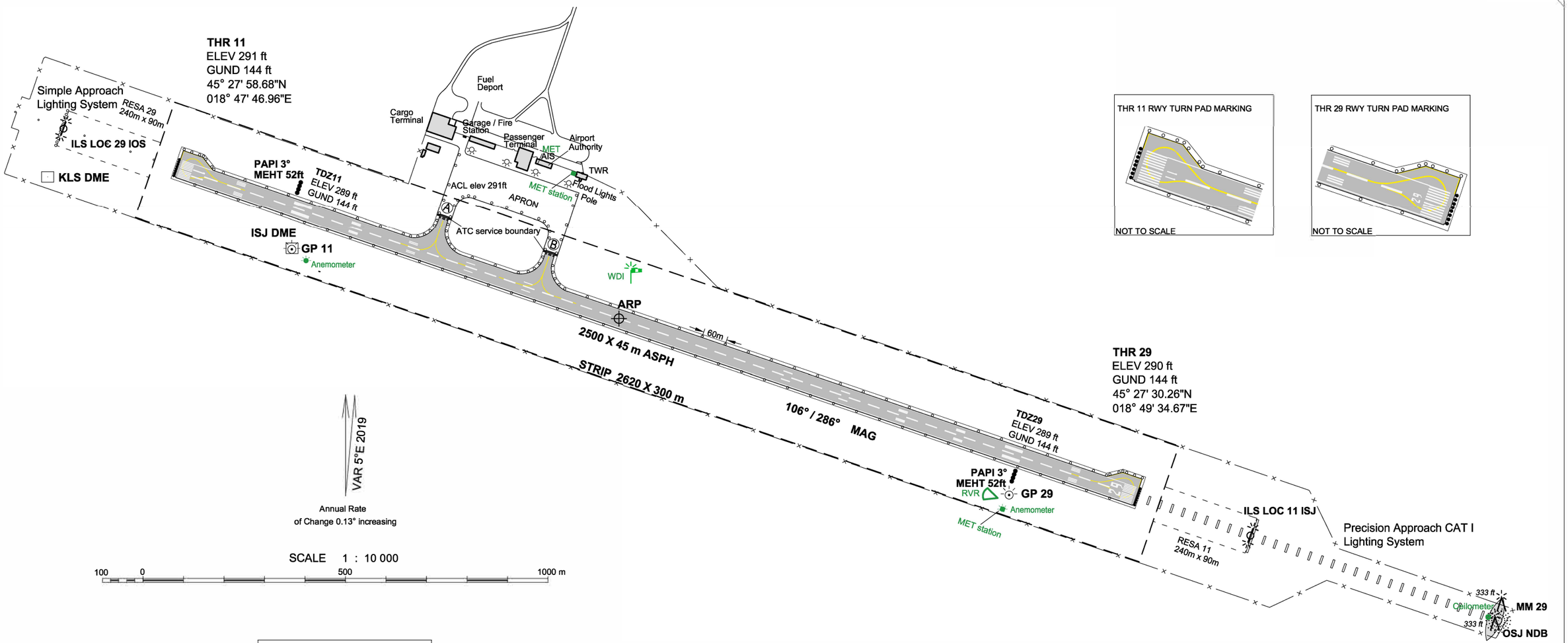
RWY	SURFACE	STRENGTH
11	ASPH	PCN 82/F/B/W/T
29	ASPH	PCN 82/F/B/W/T

TWY	WIDTH (m)	SURFACE	STRENGTH
A	23	ASPH	PCN 91/F/B/W/T
B	23	ASPH	PCN 91/F/B/W/T
APRON	23	ASPH	PCN 95/F/B/W/T

APRON	
SURFACE	STRENGTH
ASPH	PCN 95/F/B/W/T

DECLARED DISTANCES				
RWY	TORA	TODA	ASDA	LDA
11	2500	2500	2500	2500
29	2500	2500	2500	2500

INTERSECTION TAKE - OFFs			
RWY	INTERSECTION	TORA	TODA
11	A	1850	1850
	B	1573	1573
29	A	673	673
	B	950	950



THR 11 RWY TURN PAD MARKING

NOT TO SCALE

THR 29 RWY TURN PAD MARKING

NOT TO SCALE

BEARINGS ARE MAGNETIC
ELEVATIONS IN FEET
DISTANCE IN M

CHANGE: RWY guard lights installed, CEILOMETER installed, RVR installed, TWR FREQ changed, Editorial

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LDZD 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, "Follow me" vehicle.
2	RWY and TWY markings and LGT	RWY-04/22 RWY designation, THR markings, TDZ markings, Centre line markings, edges, aiming point markings, RWY 04 turning bay marking*. RWY-13/31 RWY designation, THR markings, TDZ markings, centre line markings, edges, aiming point markings. TWYA Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY markings: centre line, holding positions TWYB Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY markings: centre line, holding positions TWY C Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY markings: centre line, holding positions TWY D Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY markings: centre line, holding positions TWY E Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY markings: centre line, holding positions TWY F Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY markings: centre line, holding positions TWY G Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY markings: centre line, holding positions TWY H Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY markings: centre line, holding positions TWY K Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY markings: centre line, holding positions RWY designation, THR markings, TDZ markings, Centre line markings, edges, aiming point markings
3	Stop bars	Nil
4	Remarks	*RWY 04 turning bay closed for civil traffic. TWY A - RWY guard lights TWY G - RWY guard lights TWY K - RWY guard lights

LDZD AD 2.10 AERODROME OBSTACLES

Obstacles in area 2:
See LDZD AD 2.24.4 AOC RWY 04/22 -1

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/ LGT type and colour**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
LDZD 1	FENCE	440440.97N 0152014.95E	97.4/3.9 M	NIL	NIL
LDZD 2	NATURAL HIGHPOINT	440437.92N 0152010.09E	99.3/0 M	NIL	NIL
LDZD 3	NATURAL HIGHPOINT	440430.96N 0151958.95E	99.9/0 M	NIL	NIL

Detailed description of obstacles that penetrate the obstacle limitation surfaces currently not available.
Detailed description of obstacles that penetrate the take-off flight path area obstacle identification surface currently not available.
Detailed description of obstacles assessed as being hazardous to air navigation currently not available.
Area 2 data set for the aerodrome currently not available.

Obstacles in area 3:
NIL

LDZD AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	ZADAR
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	MWO ZAGREB TAF (24HR)
4	Trend Forecast Interval of issuance	TREND 30 MIN
5	Briefing/consultation provided	Selfbriefing (URL:https://ib.crocontrol.hr) or by phone: +385 1 6259224
6	Flight documentation Language(s) used	• Selfbriefing (URL: https://ib.crocontrol.hr) or request by phone.: +385 23 203438 • Croatian, English
7	Charts and other information available for briefing or consultation	• ICE, TURB and CB forecasts • Lightning data • Satelite images • Radar images
8	Supplementary equipment available for providing information	URL:https://met.crocontrol.hr
9	ATS units provided with information	Zadar TWR, Zadar APP
10	Additional information (limitation of service, etc.)	NIL