REPUBLIC OF CROATIA

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AIRAC AIP AMDT 011/2019
Effective Date: 30 JAN 2020
Publication Date: 19 DEC 2019

1. Amendment contents:

GEN

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

ENR

- ENR 2.1.1 - Zagreb FIR/UIR - Zagreb ACC FREQ- changed
- ENR 3.1 - Lower ATS Routes - A48 - new point RIGVA added
- ENR 3.3 - Area Navigation Routes - M986 - new point RUGOG added
- ENR 4.1 - Radio Navigation Aids - EN-route - various changes
- ENR 4.4 - Name-code Designators for Significant Points - new points added; various changes
- ENR 6 - New chart:
  - Free route airspace - Index chart SECSI FRA (ENR 6.11-1/2)

AD

- AD 0.6 - Table of contents to Part three - updated
- LDDU, LDLO, LDOS, LDPL, LDRI, LDSB, LDSP, LDZA and LDZD AD 2.11 - Meteorological information provided - - changed
- LDPL AD 2.24 - Charts related to an aerodrome - New charts added on the list
- LDPL - New charts:
  - Standard Departure Chart - Instrument - ICAO RNAV RWY 09 (LDPL AD 2.24.8 SID RNAV RWY 09 -1/4)
  - Standard Departure Chart - Instrument - ICAO RNAV RWY 27 (LDPL AD 2.24.8 SID RNAV RWY 27 -1/4)
  - Standard Arrival Chart - Instrument - ICAO RWY 09/27 (LDPL AD 2.24.10 STAR RWY 09/27 -1/2)
  - Standard Arrival Chart - Instrument - ICAO RNAV RWY 09 (LDPL AD 2.24.10 STAR RNAV RWY 09 -1/4)
  - Standard Arrival Chart - Instrument - ICAO RNAV RWY 27 (LDPL AD 2.24.10 STAR RNAV RWY 27 -1/4)
  - Instrument Approach Chart - ICAO NDBy RWY 27 (LDPL AD 2.24.12 IAC NDBy RWY 27 -1/2)
  - Instrument Approach Chart - ICAO VOR RWY 27 (LDPL AD 2.24.12 IAC VOR RWY 27 -1/2)
  - Instrument Approach Chart - ICAO ILS or LOC RWY 27 (LDPL AD 2.24.12 IAC ILS or LOC RWY 27 -1/2)
  - Instrument Approach Chart - ICAO RNAV (GNSS) RWY 09 (LDPL AD 2.24.12 IAC RNAV (GNSS) RWY 09 -1/4)
  - Instrument Approach Chart - ICAO RNAV (GNSS) RWY 27 (LDPL AD 2.24.12 IAC RNAV (GNSS) RWY 27 -1/4)
- LDRI AD 2.22 - Flight procedures - SID-s KULEN 3C and KULEN 3D withdrawn, RUGOG 1C and RUGOG 1D added; STAR-s ARMIX 3A and ARMIX 3B withdrawn, GIRDA 1G and GIRDA 1H added
- LDRI AD 2.24 - Charts related to an aerodrome - New charts added on the list
- LDRI - New charts:
  - Standard Departure Chart - Instrument - ICAO RWY 14 (LDRI AD 2.24.8 SID RWY 14 -1/2)
  - Standard Departure Chart - Instrument - ICAO RNAV RWY 14 (LDRI AD 2.24.8 SID RNAV RWY 14 -1/4)
  - Standard Departure Chart - Instrument - ICAO RWY 32 (LDRI AD 2.24.8 SID RWY 32 -1/2)
  - Standard Departure Chart - Instrument - ICAO RNAV RWY 32 (LDRI AD 2.24.8 SID RNAV RWY 32 -1/4)
  - Standard Arrival Chart - Instrument - ICAO RWY 14/32 (LDRI AD 2.24.10 STAR RWY 14/32 -1/2)

- Standard Arrival Chart - Instrument - ICAO RNAV RWY 14 (LDRI AD 2.24.10 STAR RNAV RWY 14 -1/2)
- Standard Arrival Chart - Instrument - ICAO RNAV RWY 32 (LDRI AD 2.24.10 STAR RNAV RWY 32 -1/2)

• LDSP - New chart:
- Standard Arrival Chart - Instrument - ICAO RNAV RWY 23 (LDSP AD 2.24.10 STAR RNAV RWY 23 -1/6)

• LDZA AD 2.6 - Rescue equipment - various changes
• LDZA AD 2.21 - Noise abatement procedures - various changes

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: A6612/19
NOTAM incorporated in this AMDT will be cancelled by NOTAMC

SUP: Nil

AIC: Nil

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

Insert the following pages	Remove the following pages
GEN 0.2 - 3/4 30 JAN 2020 / 06 DEC 2019	GEN 0.2 - 3/4 05 DEC 2019 / 06 DEC 2019
GEN 0.3 - 1/2 30 JAN 2020 / 01 FEB 2018	GEN 0.3 - 1/2 06 DEC 2019 / 01 FEB 2018
GEN 0.4 - 1/2 30 JAN 2020 / 30 JAN 2020	GEN 0.4 - 1/2 06 DEC 2019 / 06 DEC 2019
GEN 0.4 - 3/4 30 JAN 2020 / 30 JAN 2020	GEN 0.4 - 3/4 06 DEC 2019 / 06 DEC 2019
GEN 0.4 - 5/6 30 JAN 2020 / 30 JAN 2020	GEN 0.4 - 5/6 06 DEC 2019 / 06 DEC 2019
GEN 0.4 - 7/8 30 JAN 2020 / 30 JAN 2020	GEN 0.4 - 7/8 06 DEC 2019 / 06 DEC 2019
GEN 0.5 - 1/2 10 OCT 2019 / 30 JAN 2020	GEN 0.5 - 1/2 10 OCT 2019 / 06 DEC 2019
ENR 2.1 - 1/2 30 JAN 2020 / 04 APR 2013	ENR 2.1 - 1/2 08 DEC 2016 / 04 APR 2013
ENR 3.1 - 1/2 30 JAN 2020 / 25 APR 2019	ENR 3.1 - 1/2 25 APR 2019 / 25 APR 2019
ENR 3.3 - 19/20 24 MAY 2018 / 30 JAN 2020	ENR 3.3 - 19/20 24 MAY 2018 / 01 FEB 2018
ENR 4.1 - 1/2 30 JAN 2020 / 30 JAN 2020	ENR 4.1 - 1/2 20 JUN 2019 / 23 MAY 2019
ENR 4.4 - 1/2 30 JAN 2020 / 30 JAN 2020	ENR 4.4 - 1/2 25 APR 2019 / 25 APR 2019
ENR 4.4 - 3/4 30 JAN 2020 / 30 JAN 2020	ENR 4.4 - 3/4 25 APR 2019 / 25 APR 2019
ENR 4.4 - 5/6 30 JAN 2020 / 30 JAN 2020	ENR 4.4 - 5/6 26 APR 2018 / 01 FEB 2018
ENR 4.4 - 7/8 30 JAN 2020 / 30 JAN 2020	ENR 4.4 - 7/8 01 FEB 2018 / 08 DEC 2016
ENR 4.4 - 9/10 30 JAN 2020 / 30 JAN 2020	Nil
ENR 6.11 - 1/2 30 JAN 2020 / 30 JAN 2020	ENR 6.11 - 1/2 05 DEC 2019 / 05 DEC 2019
AD 0.6 - 1/2 30 JAN 2020 / 30 JAN 2020	AD 0.6 - 1/2 05 DEC 2019 / 05 DEC 2019
AD 0.6 - 3/4 30 JAN 2020 / 30 JAN 2020	AD 0.6 - 3/4 05 DEC 2019 / 05 DEC 2019
AD 0.6 - 5/6 30 JAN 2020 / 30 JAN 2020	AD 0.6 - 5/6 05 DEC 2019 / 05 DEC 2019
AD 0.6 - 7/8 30 JAN 2020 / 30 JAN 2020	AD 0.6 - 7/8 05 DEC 2019 / 05 DEC 2019
AD 0.6 - 9/10 30 JAN 2020 / 30 JAN 2020	AD 0.6 - 9/10 05 DEC 2019 / 05 DEC 2019
LDDU AD 2 - 5/6 30 JAN 2020 / 20 JUN 2019	LDDU AD 2 - 5/6 28 MAR 2019 / 20 JUN 2019
LDLO AD 2 - 3/4 25 APR 2019 / 30 JAN 2020	LDLO AD 2 - 3/4 25 APR 2019 / 06 DEC 2019
LDOS AD 2 - 5/6 30 JAN 2020 / 20 JUN 2019	LDOS AD 2 - 5/6 07 NOV 2019 / 20 JUN 2019
LDPL AD 2 - 5/6 28 MAR 2019 / 30 JAN 2020	LDPL AD 2 - 5/6 28 MAR 2019 / 21 JUN 2018
LDPL AD 2 - 15/16 28 MAR 2019 / 30 JAN 2020	LDPL AD 2 - 15/16 28 MAR 2019 / 28 MAR 2019
LDPL AD 2.24.8 SID RNAV RWY09 - 1/2 30 JAN 2020 / 30 JAN 2020	Nil
LDPL AD 2.24.8 SID RNAV RWY09 - 3/4 30 JAN 2020 / 30 JAN 2020	Nil
LDPL AD 2.24.8 SID RNAV RWY27 - 1/2 30 JAN 2020 / 30 JAN 2020	Nil
LDPL AD 2.24.8 SID RNAV RWY27 - 3/4 30 JAN 2020 / 30 JAN 2020	Nil
LDPL AD 2.24.10 STAR RWY09/27 - 1/2 30 JAN 2020 / 30 JAN 2020	LDPL AD 2.24.10 STAR RWY 09/27 - 1/2 28 MAR 2019 / 28 MAR 2019
LDPL AD 2.24.10 STAR RNAV RWY09 - 1/2 30 JAN 2020 / 30 JAN 2020	Nil
LDPL AD 2.24.10 STAR RNAV RWY 09 - 3/4 30 JAN 2020 / 30 JAN 2020	Nil
LDPL AD 2.24.10 STAR RNAV RWY 27 1/2 30 JAN 2020 / 30 JAN 2020	Nil
LDPL AD 2.24.10 STAR RNAV RWY 27 3/4 30 JAN 2020 / 30 JAN 2020	Nil
LDPL AD 2.24.12 IAC NDBy RWY 27 - 1/2 30 JAN 2020 / 30 JAN 2020	LDPL AD 2.24.12 IAC NDBy RWY 27 - 1/2 28 MAR 2019 / 28 MAR 2019
LDPL AD 2.24.12 IAC VOR RWY 27 - 1/2 30 JAN 2020 / 30 JAN 2020	LDPL AD 2.24.12 IAC VOR RWY 27 - 1/2 28 MAR 2019 / 28 MAR 2019
LDPL AD 2.24.12 IAC ILS or LOC RWY 27 - 1/2 30 JAN 2020 / 30 JAN 2020	LDPL AD 2.24.12 IAC ILS or LOC RWY27 - 1/2 28 MAR 2019 / 28 MAR 2019
LDPL AD 2.24.12 IAC RNAV (GNSS) RWY 09 - 1/2 30 JAN 2020 / 30 JAN 2020	LDPL AD 2.24.12 IAC RNAV (GNSS) RWY09 - 1/2 28 MAR 2019 / 28 MAR 2019
LDPL AD 2.24.12 IAC RNAV (GNSS) RWY 09 - 3/4 30 JAN 2020 / 30 JAN 2020	LDPL AD 2.24.12 IAC RNAV (GNSS) RWY09 - 3/4 28 MAR 2019 / 28 MAR 2019
LDPL AD 2.24.12 IAC RNAV (GNSS) RWY 27 - 1/2 30 JAN 2020 / 30 JAN 2020	LDPL AD 2.24.12 IAC RNAV (GNSS) RWY27 - 1/2 28 MAR 2019 / 28 MAR 2019
LDPL AD 2.24.12 IAC RNAV (GNSS) RWY 27 - 3/4 30 JAN 2020 / 30 JAN 2020	LDPL AD 2.24.12 IAC RNAV (GNSS) RWY27 - 3/4 28 MAR 2019 / 28 MAR 2019
LDRI AD 2 - 3/4 26 APR 2018 / 30 JAN 2020	LDRI AD 2 - 3/4 26 APR 2018 / 09 NOV 2017
LDRI AD 2 - 9/10 30 JAN 2020 / 30 JAN 2020	LDRI AD 2 - 9/10 28 MAR 2019 / 28 MAR 2019
LDRI AD 2 - 11/12 30 JAN 2020 / 30 JAN 2020	LDRI AD 2 - 11/12 28 MAR 2019 / 05 DEC 2019
LDRI AD 2 - 13/14 30 JAN 2020 / 30 JAN 2020	Nil
LDRI AD 2.24.8 SID RWY 14 - 1/2 30 JAN 2020 / 30 JAN 2020	LDRI AD 2.24.8 SID RWY14 - 1/2 28 MAR 2019 / 28 MAR 2019
LDRI AD 2.24.8 SID RNAV RWY14 - 1/2 30 JAN 2020 / 30 JAN 2020	Nil
LDRI AD 2.24.8 SID RNAV RWY14 - 3/4 30 JAN 2020 / 30 JAN 2020	Nil
LDRI AD 2.24.8 SID RWY32 - 1/2 30 JAN 2020 / 30 JAN 2020	LDRI AD 2.24.8 SID RWY32 - 1/2 28 MAR 2019 / 28 MAR 2019
LDRI AD 2.24.8 SID RNAV RWY32 - 1/2 30 JAN 2020 / 30 JAN 2020	Nil
LDRI AD 2.24.8 SID RNAV RWY32 - 3/4 30 JAN 2020 / 30 JAN 2020	Nil
LDRI AD 2.24.10 STAR RWY14/32 - 1/2 30 JAN 2020 / 30 JAN 2020	LDRI AD 2.24.10 STAR RWY14/32 - 1/2 28 MAR 2019 / 28 MAR 2019
LDRI AD 2.24.10 STAR RNAV RWY14 - 1/2 30 JAN 2020 / 30 JAN 2020	Nil
LDRI AD 2.24.10 STAR RNAV RWY 32 - 1/2 30 JAN 2020 / 30 JAN 2020	Nil
LDSB AD 2 - 3/4 20 JUN 2019 / 30 JAN 2020	LDSB AD 2- 3/4 20 JUN 2019 / 05 DEC 2019
LDSP AD 2 - 5/6 30 JAN 2020 / 21 JUN 2018	LDSP AD 2- 5/6 21 JUN 2018 / 21 JUN 2018
LDSP AD 2.24.10 STAR RNAV RWY 23 - 1/2 30 JAN 2020 / 30 JAN 2020	LDSP AD 2.24.10 STAR RNAV RWY 23 - 1/2 05 DEC 2019 / 05 DEC 2019
LDSP AD 2.24.10 STAR RNAV RWY 23 - 3/4 30 JAN 2020 / 30 JAN 2020	LDSP AD 2.24.10 STAR RNAV RWY 23 - 3/4 05 DEC 2019 / 05 DEC 2019

Insert the following pages		Remove the following pages	
LDSP AD 2.24.10 STAR RNAV RWY 23 - 5/6	30 JAN 2020 / 30 JAN 2020	LDSP AD 2.24.10 STAR RNAV RWY 23 - 5/6	05 DEC 2019 / 05 DEC 2019
LDZA AD 2 - 3/4	30 JAN 2020 / 30 JAN 2020	LDZA AD 2 - 3/4	18 JUL 2019 / 18 JUL 2019
LDZA AD 2 - 5/6	18 JUL 2019 / 30 JAN 2020	LDZA AD 2 - 5/6	18 JUL 2019 / 02 AUG 2016
LDZA AD 2 - 13/14	23 MAY 2019 / 30 JAN 2020	LDZA AD 2 - 13/14	23 MAY 2019 / 23 MAY 2019
LDZD AD 2 - 5/6	23 MAY 2019 / 30 JAN 2020	LDZD AD 2 - 5/6	23 MAY 2019 / 23 MAY 2019

AIRAC AIP AMENDMENT			
NR/Year	*Publication date*	*Effective date*	*Inserted by*
010/2018	27-Sep-2018	08-Nov-2018	
011/2018	25-Oct-2018	06-Dec-2018	
012/2018	22-Nov-2018	03-Jan-2019	
013/2018	20-Dec-2018	31-Jan-2019	
001/2019	17-Jan-2019	28-Feb-2019	
002/2019	14-Feb-2019	28-Mar-2019	
003/2019	14-Mar-2019	25-Apr-2019	
004/2019	11-Apr-2019	23-May-2019	
005/2019	09-May-2019	20-Jun-2019	
006/2019	06-Jun-2019	18-Jul-2019	
007/2019	01-Aug-2019	12-Sep-2019	
008/2019	29-Aug-2019	10-Oct-2019	
009/2019	26-Sep-2019	07-Nov-2019	
010/2019	24-Oct-2019	05-Dec-2019	
011/2019	19-Dec-2019	30-Jan-2020	

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	

GEN 0.3 RECORD OF AIP SUPPLEMENTS

NR/Year	Subject	AIP Section(s) Affected	Period of Validity	Cancellation Record
010/2018	DME “JAP” CH123Y is not available due to testing	GEN 2 ENR 4 ENR 6 LDZA AD 2	27-Sep-2018 - UFN	
005/2019	LDZD - ZADAR/Zemunik Airport - Construction works North-East from the main apron	LDZD AD 2	23-May-2019 - UFN	
012/2019	LDDU - Airport DUBROVNIK/Cilipi - Replacement instrument flight procedures during works on DBK VOR/DME	LDDU AD 2	10-Oct-2019 - UFN	
013/2019	LDZD - Airport ZADAR/Zemunik - Temporary suspension of RNAV (GNSS) RWY 13 and publication of trial PBN instrument flight procedures	LDZD AD 2	07-Nov-2019 - UFN	
014/2019	Replacement of RJK VOR/DME, its impact on existing LDRI and LDPL instrument flight procedures and publication of temporary LDRI instrument flight procedures	ENR 3 ENR 4 LDPL AD 2 LDRI AD 2	05-Dec-2019 - UFN	
015/2019	LDZA - Airport ZAGREB/Franjo Tuđman - Snow plan for the winter season 2019/2020	LDZA AD 2	20-Nov-2019 - 31-Mar-2020	
016/2019	AD and ATS HR SER - LDDU/LDLO/LDOS/LDPL/ LDRI/LDSB/LDZD	LDDU/LDLO/ LDOS/LDPL/ LDRI/LDSB/ LDZD AD 2	20-Nov-2019 - 28-Mar-2020	

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GEN 0.4 CHECKLIST OF AIP PAGES

PART 1 - GENERAL (GEN)

Page	Date
GEN 0.1 - 1	08 MAR 2012
GEN 0.1 - 2	08 MAR 2012
GEN 0.1 - 3	06 DEC 2019
GEN 0.1 - 4	08 MAR 2012
GEN 0.2 - 1	20 JUL 2017
GEN 0.2 - 2	11 OCT 2018
GEN 0.2 - 3	30 JAN 2020
GEN 0.2 - 4	06 DEC 2019
GEN 0.3 - 1	30 JAN 2020
GEN 0.3 - 2	01 FEB 2018
GEN 0.4 - 1	30 JAN 2020
GEN 0.4 - 2	30 JAN 2020
GEN 0.4 - 3	30 JAN 2020
GEN 0.4 - 4	30 JAN 2020
GEN 0.4 - 5	30 JAN 2020
GEN 0.4 - 6	30 JAN 2020
GEN 0.4 - 7	30 JAN 2020
GEN 0.4 - 8	30 JAN 2020
GEN 0.5 - 1	10 OCT 2019
GEN 0.5 - 2	30 JAN 2020
GEN 0.6 - 1	06 DEC 2019
GEN 0.6 - 2	06 DEC 2019
GEN 0.6 - 3	06 DEC 2019
GEN 0.6 - 4	06 DEC 2019
GEN 1.1 - 1	09 NOV 2017
GEN 1.1 - 2	09 NOV 2017
GEN 1.1 - 3	09 NOV 2017
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GEN 1.2 - 1	21 JUL 2017
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GEN 1.2 - 3	19 JUL 2019
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GEN 1.4 - 1	12 DEC 2013
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GEN 1.5 - 1	19 JUL 2019
GEN 1.5 - 2	19 JUL 2019
GEN 1.5 - 3	26 OCT 2015
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GEN 1.6 - 1	07 MAR 2013
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GEN 1.7 - 1	12 OCT 2017
GEN 1.7 - 2	12 OCT 2017
GEN 1.7 - 3	12 OCT 2017
GEN 1.7 - 4	12 OCT 2017
GEN 1.7 - 5	12 OCT 2017
GEN 1.7 - 6	25 APR 2019
GEN 1.7 - 7	12 OCT 2017
GEN 1.7 - 8	12 OCT 2017
GEN 1.7 - 9	12 OCT 2017
GEN 1.7 - 10	12 OCT 2017
GEN 1.7 - 11	12 OCT 2017
GEN 1.7 - 12	12 OCT 2017
GEN 1.7 - 13	12 OCT 2017
GEN 1.7 - 14	12 OCT 2017
GEN 1.7 - 15	12 OCT 2017
GEN 1.7 - 16	12 OCT 2017
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GEN 2.3 - 8	01 FEB 2018
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GEN 2.7 - 3	08 MAR 2012
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GEN 2.7 - 6	08 MAR 2012
GEN 2.7 - 7	08 MAR 2012
GEN 2.7 - 8	08 MAR 2012
GEN 2.7 - 9	08 MAR 2012
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GEN 2.7 - 11	08 MAR 2012
GEN 2.7 - 12	08 MAR 2012
GEN 2.7 - 13	08 MAR 2012
GEN 2.7 - 14	08 MAR 2012
GEN 3.1 - 1	06 DEC 2019
GEN 3.1 - 2	06 DEC 2019
GEN 3.1 - 3	10 OCT 2019
GEN 3.1 - 4	10 OCT 2019
GEN 3.1 - 5	06 DEC 2019
GEN 3.1 - 6	06 DEC 2019
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GEN 3.2 - 2	27 APR 2017
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GEN 3.2 - 4	27 APR 2017
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GEN 3.4 - 6	08 MAR 2012
GEN 3.5 - 1	10 OCT 2019
GEN 3.5 - 2	22 JUN 2017
GEN 3.5 - 3	05 DEC 2019
GEN 3.5 - 4	05 DEC 2019
GEN 3.5 - 5	07 NOV 2019
GEN 3.5 - 6	07 NOV 2019
GEN 3.5 - 7	12 OCT 2017
GEN 3.5 - 8	12 OCT 2017
GEN 3.5 - 9	10 OCT 2019
GEN 3.5 - 10	14 SEP 2017
GEN 3.5 - 11	07 DEC 2017
GEN 3.5 - 12	14 SEP 2017
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GEN 4.1 - 9	08 MAR 2012
GEN 4.1 - 10	18 JUL 2019
GEN 4.1 - 11	18 JUL 2019
GEN 4.1 - 12	18 JUL 2019
GEN 4.1 - 13	18 JUL 2019
GEN 4.1 - 14	10 OCT 2019
GEN 4.1 - 15	18 JUL 2019
GEN 4.1 - 16	10 OCT 2019
GEN 4.1 - 17	10 OCT 2019
GEN 4.1 - 18	18 JUL 2019
GEN 4.1 - 19	10 OCT 2019
GEN 4.1 - 20	18 JUL 2019
GEN 4.1 - 21	10 OCT 2019
GEN 4.1 - 22	18 JUL 2019
GEN 4.1 - 23	10 OCT 2019
GEN 4.1 - 24	18 JUL 2019
GEN 4.1 - 25	07 NOV 2019
GEN 4.1 - 26	18 JUL 2019
GEN 4.1 - 27	18 JUL 2019
GEN 4.1 - 28	18 JUL 2019
GEN 4.1 - 29	18 JUL 2019
GEN 4.1 - 30	18 JUL 2019
GEN 4.1 - 31	18 JUL 2019
GEN 4.1 - 32	10 OCT 2019
GEN 4.1 - 33	18 JUL 2019
GEN 4.1 - 34	18 JUL 2019
GEN 4.1 - 35	10 OCT 2019
GEN 4.1 - 36	18 JUL 2019
GEN 4.1 - 37	18 JUL 2019
GEN 4.1 - 38	18 JUL 2019
GEN 4.1 - 39	10 OCT 2019
GEN 4.1 - 40	18 JUL 2019
GEN 4.1 - 41	18 JUL 2019
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GEN 4.2 - 4	28 FEB 2019

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PART 2 - EN-ROUTE (ENR)	
ENR 0.1 - 1	08 MAR 2012
ENR 0.1 - 2	08 MAR 2012
ENR 0.2 - 1	08 MAR 2012
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ENR 0.3 - 1	08 MAR 2012
ENR 0.3 - 2	08 MAR 2012
ENR 0.4 - 1	08 MAR 2012
ENR 0.4 - 2	08 MAR 2012
ENR 0.5 - 1	08 MAR 2012
ENR 0.5 - 2	08 MAR 2012
ENR 0.6 - 1	19 JUL 2019
ENR 0.6 - 2	19 JUL 2019
ENR 0.6 - 3	19 JUL 2019
ENR 0.6 - 4	19 JUL 2019
ENR 1.1 - 1	19 JUL 2019
ENR 1.1 - 2	19 JUL 2019
ENR 1.1 - 3	19 JUL 2019
ENR 1.1 - 4	19 JUL 2019
ENR 1.1 - 5	19 JUL 2019
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ENR 1.2 - 1	26 OCT 2015
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ENR 1.3 - 4	01 FEB 2018
ENR 1.4 - 1	25 APR 2019
ENR 1.4 - 2	13 SEP 2018
ENR 1.5 - 1	08 MAR 2012
ENR 1.5 - 2	28 MAR 2019
ENR 1.6 - 1	30 MAR 2017
ENR 1.6 - 2	19 JUL 2018
ENR 1.7 - 1	25 APR 2019
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ENR 1.7 - 3	08 MAR 2012
ENR 1.7 - 4	08 MAR 2012
ENR 1.8 - 1	13 SEP 2018
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ENR 1.8 - 6	03 JAN 2019
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ENR 1.9 - 1	22 JUN 2017
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ENR 1.9 - 6	22 JUN 2017
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ENR 1.9 - 18	22 JUN 2017
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ENR 1.9 - 22	27 JUN 2013
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ENR 1.9 - 26	22 JUN 2017
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ENR 1.10 - 19	25 APR 2019
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ENR 1.11 - 2	23 MAY 2019
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PART 3 - AERODROMES (AD)

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AD 1.1 - 3	07 DEC 2017
AD 1.1 - 4	07 DEC 2017
AD 1.1 - 5	07 DEC 2017
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LDDU AD 2 - 2	14 SEP 2017
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LDZD AD 2.24.2 APDC - 1	10 OCT 2019
LDZD AD 2.24.2 APDC - 2	10 OCT 2019
LDZD AD 2.24.4 AOC RWY 04/22 - 1	05 APR 2012
LDZD AD 2.24.4 AOC RWY 13/31 - 1	05 APR 2012
LDZD AD 2.24.8 SID RWY 04 - 1	23 MAY 2019
LDZD AD 2.24.8 SID RWY 04 - 2	23 MAY 2019
LDZD AD 2.24.8 SID RWY 13 - 1	23 MAY 2019
LDZD AD 2.24.8 SID RWY 13 - 2	23 MAY 2019
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LDZD AD 2.24.8 SID RWY 22 - 2	23 MAY 2019
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LDZD AD 2.24.10 STAR RWY 04 & 13/31 - 1	23 MAY 2019
LDZD AD 2.24.10 STAR RWY 04 & 13/31 - 2	23 MAY 2019
LDZD AD 2.24.11 ATCSMAC - 1	23 MAY 2019
LDZD AD 2.24.11 ATCSMAC - 2	23 MAY 2019
LDZD AD 2.24.12 IAC VOR RWY 04 - 1	23 MAY 2019
LDZD AD 2.24.12 IAC VOR RWY 04 - 2	23 MAY 2019
LDZD AD 2.24.12 IAC Ly RWY 13 - 1	23 MAY 2019
LDZD AD 2.24.12 IAC Ly RWY 13 - 2	23 MAY 2019
LDZD AD 2.24.12 IAC Lz RWY 13 - 1	23 MAY 2019
LDZD AD 2.24.12 IAC Lz RWY 13 - 2	23 MAY 2019
LDZD AD 2.24.12 IAC VOR RWY 13 - 1	23 MAY 2019
LDZD AD 2.24.12 IAC VOR RWY 13 - 2	23 MAY 2019
LDZD AD 2.24.12 IAC ILS or LOC RWY 13 - 1	23 MAY 2019
LDZD AD 2.24.12 IAC ILS or LOC RWY 13 - 2	23 MAY 2019
LDZD AD 2.24.12 IAC RNAV (GNSS) RWY 04 - 1	23 MAY 2019
LDZD AD 2.24.12 IAC RNAV (GNSS) RWY 04 - 2	23 MAY 2019
LDZD AD 2.24.12 IAC RNAV (GNSS) RWY 04 - 3	23 MAY 2019
LDZD AD 2.24.12 IAC RNAV (GNSS) RWY 04 - 4	23 MAY 2019
LDZD AD 2.24.12 IAC RNAV (GNSS) RWY 13 - 1	23 MAY 2019
LDZD AD 2.24.12 IAC RNAV (GNSS) RWY 13 - 2	23 MAY 2019
LDZD AD 2.24.12 IAC RNAV (GNSS) RWY 13 - 3	23 MAY 2019
LDZD AD 2.24.12 IAC RNAV (GNSS) RWY 13 - 4	23 MAY 2019
LDZD AD 2.24.12 IAC RNAV (GNSS) RWY 31 - 1	23 MAY 2019
LDZD AD 2.24.12 IAC RNAV (GNSS) RWY 31 - 2	23 MAY 2019
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LDZD AD 2.24.12 IAC RNAV (GNSS) RWY 31 - 4	23 MAY 2019
LDZD AD 2.24.12 IAC L RWY 31 - 1	23 MAY 2019
LDZD AD 2.24.12 IAC L RWY 31 - 2	23 MAY 2019
LDZD AD 2.24.12 IAC VOR RWY 31 - 1	23 MAY 2019
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LDZD AD 2.24.13 VOC - 1	23 MAY 2019
LDZD AD 2.24.13 VOC - 2	23 MAY 2019

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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
LDZA AD 2.24.1 ADC -1	ACL elevation at Apron West is 350 FT.	AIRAC AIP AMDT 013/2018 (31 JAN 2019)
LDDU AD 2.24.1 ADC -1	Use of TWY B is prohibited to ACFT code letter E due to infrastructure restrictions.	AIRAC AIP AMDT 002/2019 (28 MAR 2019)
LDZA AD 2.24.1 ADC -1 LDZA AD 2.24.2 APDC WEST-1 LDZA AD 2.24.4 AOC RWY 05/23 -1	MAG VAR / Annual rate of change is 4°E (2019) / 0.15° increasing.	AIRAC AIP AMDT 003/2019 (25 APR 2019)
LDZD AD 2.24.4 AOC RWY04/22 -1 LDZD AD 2.24.4 AOC RWY13/31 -1	MAG VAR / Annual rate of change is 4°E (2019) / 0.13° increasing. RWY designator 14/32 is 13/31.	AIRAC AIP AMDT 008/2019 (10 OCT 2019)
LDZA AD 2.24.8 SID RWY 05 -1 LDZA AD 2.24.8 SID RWY 23 -1 LDZA AD all STAR, IAC charts LDZA AD 2.24.12 IAC L RWY 05 -1 LDZA AD 2.24.12 IAC Ly RWY 23 -1 LDZA AD 2.24.12 IAC Lz RWY 23 -1 LDZA AD 2.24.12 IAC ILS or LOC RWY 23 -1 LDZA AD 2.24.12 IAC RNAV (GNSS) RWY 05 -1 LDZA AD 2.24.12 IAC RNAV (GNSS) RWY 23 -1 and ATCSMAC	Prohibited area LDP39 withdrawn.	AIRAC AIP AMDT 008/2019 (10 OCT 2019)
LDDU AD 2.24.1 ADC -1	RWY11/29 physical characteristics changed to: - strength (PCN) and surface of RWY and SWY is: 86 F/A/W/T ASPH - RWY dimensions are: 3230x45 M - RWY 11 slopes are: 0.5% (0 M - 510 M) 0% (510 M - 1840 M) -1.1% (1840 M - 2860 M) -0.2% (2860 M - 3230 M) - RWY 29 slopes are: 0.2% (0 M - 370 M) 1.1% (370 M - 1390 M) 0% (1390 M - 2720 M) -0.5% (2720 M - 3230 M)	AIRAC AIP AMDT 005/2019 (20 JUN 2019)
LDZA AD 2.24.1 ADC -1 LDZA AD 2.24.2 APDC WEST -1	TWY F width is 23 M. Marshaller for all stands. Taxiing and parking restrictions and notes - APRON WEST, under point 3.- instead of the word “marshaller” write the word: “Follow me”.	AIRAC AIP AMDT 005/2019 (20 JUN 2019)

AIP page(s) affected	Amendment text	Introduced by AIP AMDT number:
1	2	3
LDDU AD 2.24.1 ADC -1	GP 11 transmitting antenna repositioned - new coordinates are: 423408.19N 0181507.94E New radio navigation aid DME IDU.	AIRAC AIP AMDT 007/2019 (12 SEP 2019)
ENR 6.4-1, ENR 6.5-1, ENR 6.7-1, ENR 6.8-1, ENR 6.9-1 and LDZA AD: all charts except LDZA AD 2.24.12 IAC ILS or LOC RWY 05 -1 and LDZA AD 2.24.13 VOC -1	Airport name is changed to “Zagreb/Franjo Tuđman”	AIRAC AIP AMDT 010/2019 (05 DEC 2019)
LDZA AD all SID, STAR, ATCSMAC and IAC charts except LDZA AD 2.24.12 IAC ILS or LOC RWY 05 -1	ATZ Bratina added.	AIRAC AIP AMDT 008/2019 (10 OCT 2019)
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 2.24.4 AOC RWY 04/22 -1	Obstacles NR 2, 3 and 5 removed.	AIRAC AIP AMDT 009/2019 (07 NOV 2019)
LDDU AD 2.24.1 ADC -1	Anemometer RWY 11 repositioned. Location changed to: 111 M left of RCL, distance 341 M from (after) THR 11, ICAO marked and lighted. Anemometer RWY 29 repositioned. Location changed to: 111 M right of RCL, distance 341 M from (after) THR 29, ICAO marked and lighted.	AIP AMDT 002/2019 (06 DEC 2019)
LDLO AD 2.24.1 ADC -1 LDLO AD 2.24.2 APDC -1	ARO Losinj withdrawn.	AIP AMDT 002/2019 (06 DEC 2019)
LDPL AD 2.24.1 ADC -1 LDPL AD 2.24.2 APDC -1	ARO Pula withdrawn.	AIP AMDT 002/2019 (06 DEC 2019)
ENR 6.1 -1	Route designator M986 RUGOG point added BTW KULEN and KOTOR Route designator A48 RIGVA point added BTW BEVIS and DBK VOR/DME	AIRAC AIP AMDT 011/2019 (30 JAN 2020)

ENR 2 AIR TRAFFIC SERVICES AIRSPACE

ENR 2.1 FIR, UIR, TMA AND CTA

ENR 2.1.1. ZAGREB FIR/UIR

Name Lateral limits Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	Frequency / Purpose	Remarks
1	2	3	4	5
ZAGREB FIR/UIR 4212N 01836E - 4125N 01819E - 4221N 01621E - along on arc of circle of 5 NM radius, clockwise centred on 4224N 01616E - 4226N 01610E - 4330N 01430E - 4432N 01320E - 4510N 01300E - 4518N 01300E - 453329N 0132314E - along the FIR BDRY ZAGREB/ LJUBLJANA to 452833N 0133505E - along the FIR BDRY ZAGREB/ LJUBLJANA - along the FIR BDRY ZAGREB/ BUDAPEST - along the FIR BDRY ZAGREB/ BEOGRAD - along the FIR BDRY ZAGREB/ SARAJEVO - along the FIR BDRY ZAGREB/ BEOGRAD to 4212N 01836E. Upper limit: UNL Lower limit: GND *Note: Portion between the points 453329N 0132314E and 452833N 0133505E not yet defined, and is subject to negotiations.*	ZAGREB ACC	ZAGREB CONTROL / ZAGREB RADAR EN, HR		Nil
		H24	122.53 MHZ / 8.33 CH	
		H24	127.11 MHZ / 8.33 CH	
		H24	124.375 MHZ	
		H24	125.78 MHZ / 8.33 CH	
		H24	132.34 MHZ 8.33 CH	
		H24	133.635 MHZ / 8.33 CH	
		H24	136.3 MHZ	
		H24	129.65 MHZ	
		H24	132.125 MHZ	
		H24	129.425 MHZ / ALTN FREQ	
		H24	130.215MHZ / 8.33 CH	
		H24	135.8 MHZ	
		H24	122.575 MHZ	
		H24	128.275 MHZ	
		H24	131.275 MHZ	
		H24	339.175 MHZ / UHF FREQ FOR STATE AIRCRAFT	
		H24	121.5 MHZ / EMERG FREQ	
		H24	243.0 MHZ / EMERG FREQ	
		H24	123.1 MHZ / SAR	
		H24	292.6 MHZ / MILITARY	
		H24	266.075 MHZ / MILITARY	
		H24	125.225 MHZ	
		H24	127.365 MHZ / 8.33 CH	
		H24	127.875 MHZ	
	ZAGREB FIC	ZAGREB INFORMATION EN, HR H24	135.05 MHZ / FIC	

ENR 2.1.2. CONTROL AREA (CTA) ZAGREB

Name Lateral limits Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	Frequency / Purpose	Remarks
1	2	3	4	5
CONTROL AREA ZAGREB CTA ZAGREB covers the airspace within the following limits: Lateral: FIR Zagreb (See remarks) Vertical: • Upper limit: FL 660 • Lower limit: 1000 FT AGL (Outside TCAs nad CTRs) CLASS OF AIRSPACE OUTSIDE OTHER REGULATED AIRSPACE: • C - above FL 115 • D - BTN FL 115 and 1000 FT AGL **UNCONTROLLED AIRSPACE** UNCONTROLLED AIRSPACE covers the airspace within the following limits: Lateral: FIR Zagreb Vertical: Above FL 660 unclassified	ZAGREB ACC	ZAGREB CONTROL / ZAGREB RADAR EN, HR H24		RVSM airspace: FL 290 - FL 410 both inclusive *The airspace where the ATS has been delegated to both Padova and Brindisi ACCs is classified according to Italian classification for the rest of the route segments. See route description - ENR 3* Outside notified hours of operation of aerodrome control tower, airspace classification of the associated control zone reverts to the classification of surrounding airspace (Uncontrolled Airspace and TMA) within which the control zone is established unless otherwise promulgated in AIP AD 2.17.
Upper limit: 1000 FT AGL Lower limit: GND Class of airspace: G (with exemption of CTRs)				

ENR 3 ATS ROUTES

ENR 3.1 LOWER ATS ROUTES

Route Designator {RNAV Type}	[Route Usage Notes]								
Significant Point Name	Significant Point Coordinates								Remarks
{RNAV Type}	Track MAG	Dist (NM)	(COP)	Upper limit / Lower limit	MOCA	Lateral limits (NM)	Direction of crusing levels ↓	Direction of crusing levels ↑	Controlling unit {Airspace classification} Remarks
A48									
▲ CRAYE (FIR BDRY)	413010N 0180745E								For continuation see AIP Italy.
(RNAV 5)	002° 183°	26.0NM		FL 305 6000 FT ALT	6000 FT ALT	10NM	Even(2)	Odd(1)	(1) NONFUA (2) NONFUA ATS has been temporary delegated to Brindisi ACC
▲ BEVIS TCP	415558N 0181140E								
(RNAV 5)	002° 182°	20.4NM		FL 205 6000 FT ALT	6000 FT ALT	10NM	Even(4)	Odd(3)	{Class D/C} (3) NONFUA (4) NONFUA
△ RIGVA	421614N 0181422E								
(RNAV 5)	002° 182°	17.1NM		FL 205 6000 FT ALT	6000 FT ALT	10NM	Even(6)	Odd(5)	{Class D/C} (5) NONFUA (6) NONFUA
△ DUBROVNIK VOR/DME (DBK)	423313.82N 0181638.76E								
Route remarks: Controlling unit(s): Zagreb ACC 135.8 MHZ; Dubrovnik APP 123.6 MHZ									

Route Designator {RNAV Type}	[Route Usage Notes]								
Significant Point Name	Significant Point Coordinates								Remarks
{RNAV Type}	Track MAG	Dist (NM)	(COP)	Upper limit / Lower limit	MOCA	Lateral limits (NM)	Direction of crusing levels ↓	Direction of crusing levels ↑	Controlling unit {Airspace classification} Remarks
A482									
▲ LOKDI (FIR BDRY)	412942N 0182022E								For continuation see AIP Serbia and Montenegro.
(RNAV 5)	269°/ 089°	9.5NM		FL 305 6000 FT ALT	6000 FT ALT	10NM	Even(2)	Odd(1)	(1) NONFUA (2) NONFUA ATS has been temporary delegated to Brindisi ACC.
▲ CRAYE (FIR BDRY)	413010N 0180745E								For continuation see AIP Italy.

Route Designator {RNAV Type}	[Route Usage Notes]				
Significant Point Name	Significant Point Coordinates				Remarks
{RNAV Type}	Dist (NM)	Upper limit / Lower limit	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace classification} Remarks
M859					
△ MONFA (FIR BDRY)	452914N 0131645E				For continuation see AIP Italy
(RNAV 5)	6.9 NM	FL 305 FL 135	Even(2)	Odd(1)	(1) NONFUA (2) NONFUA ATS has been temporary delegated to Padua ACC.
△ UMBEK (FIR BDRY)	453240N 0132511E*				For continuation see AIP Slovenia
Route remarks: *See AIP ENR 2.1 (3) ATS has been temporary delegated to Padua ACC.					

Route Designator {RNAV Type}	[Route Usage Notes]				
Significant Point Name	Significant Point Coordinates				Remarks
{RNAV Type}	Dist (NM)	Upper limit / Lower limit	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace classification} Remarks
M986					
▲ IBENI (FIR BDRY)	440051N 0135518E				For continuation see AIP Italy.
(RNAV 5)	26.8 NM	FL 205 / 5000 FT ALT	Even(2)	Odd(1)	{Class D/C} (1) NONFUA (2) NONFUA
△ IPKIS	442206N 0141803E				
(RNAV 5)	12.1 NM	FL 205 / 5000 FT ALT	Even(4)	Odd(3)	{Class D/C} (3) NONFUA (4) NONFUA
△ LOSINJ NDB (LOS)	443137.55N 0142822.25E				
(RNAV 5)	13.1 NM	FL 205 / 8000 FT ALT	Even(6)	Odd(5)	{Class D/C} (5) NONFUA (6) NONFUA
△ ULPIN	444213N 0143914E				
(RNAV 5)	23.6 NM	FL 205 / 8000 FT ALT	Even(8)	Odd(7)	{Class C} (7) NONFUA (8) NONFUA
△ EVINI	450112N 0145854E				
(RNAV 5)	10.8 NM	FL 205 / 8000 FT ALT	Even(10)	Odd(9)	{Class C} (9) NONFUA (10) NONFUA
△ KULEN	450955N 0150801E				
(RNAV 5)	10.2 NM	FL 205 / 8000 FT ALT	Odd(12)	Even(11)	{Class C} (11) NONFUA (12) NONFUA Unsatisfactory ZAG VOR/DME coverage below FL 100.
△ RUGOG	451641N 0151845E				
(RNAV 5)	14.7 NM	FL 205 8000 FT ALT	Odd(14)	Even(13)	{Class D/C} (13) NONFUA (14) NONFUA
△ KOTOR	452628N 0153420E				
(RNAV 5)	41.2 NM	FL 205 / 7500 FT ALT	Odd(16)	Even(15)	{Class C} (15) NONFUA (16) NONFUA
△ ZAGREB VOR/DME (ZAG)	455344.01N 0161824.11E				
(RNAV 5)	19.4 NM	FL 205 / 5000 FT ALT	Odd(18)	Even(17)	{Class C} (17) NONFUA (18) NONFUA
△ RASIN	460525N 0164031E				
(RNAV 5)	15.0 NM	FL 205 / 5000 FT ALT	Odd(20)	Even(19)	{Class C} (19) NONFUA (20) NONFUA
▲ KOPRY (FIR BDRY)	461425N 0165746E				For continuation see AIP Hungary.

Route remarks:
Controlling unit(s): Zagreb ACC 135.8 MHZ; Zagreb APP 120.7 MHZ
Unsatisfactory ZAG VOR/DME coverage below FL 100.

ENR 4 RADIO NAVIGATION AIDS/SYSTEMS

ENR 4.1 RADIO NAVIGATION AIDS - EN-ROUTE

Name of station (VOR/VAR)	ID	Frequency (CH)	Hours of operation	Coordinates	ELEV DME antenna	Remarks
1	2	3	4	5	6	7
BARNA VOR/DME (4°E/2019)	VBA	117.4 MHZ (CH 121X)	H24	454452.08N 0170848.29E	576 FT	Coverage 80 NM, except in QDR 114°-159°. Unsatisfactory DME power density due to terrain (Flight profile: Orbit flight, radius 40NM, 5000FT QNH). FRA (AD): LDZA; FRA (I)
BRAC DME	BRC	(CH 101Y)	H24	431656.93N 0163720.83E	2564 FT	Coverage 80 NM
CEPIN L	CE	372 KHZ	H24	453142.33N 0183336.18E		Coverage 25 NM
CRES NDB	CRE	433 KHZ	H24	445410.37N 0142459.57E		Coverage 50 NM FRA (A): LDLO, LDRI; FRA (D): LDLO, LDPL, LDRI; FRA (I)
DUBROVNIK VOR/DME (4°E/2019)	DBK	115.4 MHZ (CH101X)	H24	423313.82N 0181638.76E	547 FT	Coverage 80 NM - unusable between QDR 057°- 073° FRA (I)
JAPETIC DME	JAP	(CH 123Y)	H24	454440.18N 0153629.45E	2927 FT	Coverage 80 NM
LOSINJ DME	LSJ	(CH 21Y)	H24	443057.23N 0142927.66E	722 FT	Coverage 80 NM
LOSINJ NDB	LOS	429 KHZ	H24	443137.55N 0142822.25E		Range 50 NM FRA (A): LDPL, LDRI, LDZD; FRA (D): LDPL; FRA (I)
LUKAVEC DME	LUK	(CH35Y)	H24	454125.96N 0155932.90E	471 FT	Coverage 80 NM, except for reduced coverage between QDR 341°-357°
OSIJEK DME	KLS	(CH 30Y)	H24	452758.26N 0184732.16E	314 FT	Coverage 80 NM
LOSINJ VOR/DME (4° E/2019)	NTL	117.350 FT (CH 120Y)	H24	443359.44N 0142327.79E	190 FT	Coverage 80 NM, except between QDR 330°-120° where coverage is 40 NM. MRA at 40 NM: QDR 020°-120° 10000 FT QDR 120°-330° 5000 FT QDR 330°-020° 12000 FT
PISAROVINA NDB	PIS	424 KHZ	H24	453618.10N 0155038.39E		Coverage 50 NM, except between QDR 339°-049° where coverage is 40 NM

Name of station (VOR/VAR)	ID	Frequency (CH)	Hours of operation	Coordinates	ELEV DME antenna	Remarks
1	2	3	4	5	6	7
PULA VOR/DME (4°E/2019)	PUL	111.25 MHZ (CH 49Y)	H24	445332.52N 0135505.23E	215 FT	Coverage 100 NM except in QDR 309°-024°: Unsatisfactory VOR/DME PUL power density due to terrain (Flight profile: orbit flight, radius 40 NM, 3000 FT to 6500 FT QNH). FRA (A): LDLO, LDPL, LDRI; FRA (D): LDLO, LDRI; FRA (I)
RIJEKA VOR/DME (4°E/2019)	RJK	117.8 MHZ (CH 125X)	H24	451326.84N 0143401.06E	360 FT	Coverage 60 NM FRA (D): LDPL; FRA (I)
SALI NDB	SAL	421 KHZ	H24	435616.30N 0151005.19E		Coverage 30 NM FRA(A,D):LDSP; FRA (D): LDZD; FRA (I)
SPLIT VOR/DME (4°E/2019)	SPL	115.7 MHZ (CH 104X)	H24	432947.69N 0161817.00E	734 FT	Coverage 100 NM FRA (A) LDSB, LDZD; FRA (D): LDSB, LDSP, LDZD; FRA (I)
SPLIT DME	IST	(CH42X)	H24	433157.61N 0161720.86E	133 FT	Coverage 75 NM
TOUNJ NDB	TNJ	316 KHZ	H24	451453.23N 0152101.26E		Coverage 21 NM Military use.
VRSAR NDB	VRS	369 KHZ	H24	451236.66N 0133856.31E		Range 25 NM
ZADAR VOR/DME (4°E/2019)	ZDA	108.6 MHZ (CH 23X)	H24	440543.16N 0152151.22E	279 FT	Range 100 NM except in sectors QDR 334°-044° clockwise and QDR 124°-274° clockwise where coverage is reduced due to terrain FRA (D): LDSP; FRA (I)
ZAGREB VOR/DME (4°E/2019)	ZAG	113.7 MHZ (CH 84X)	H24	455344.01N 0161824.11E	420 FT	Range 100 NM FRA (D): LDZA; FRA (I)

ENR 4.4 NAME-CODE DESIGNATORS FOR SIGNIFICANT POINTS

Name-code designator	Coordinates	ATS route or other route	Remarks
1	2	3	4
ABLAT	452326N 0133734E	P28	FRA (AD):LJPZ
ADULA	451614N 0183831E	M19, P10	LDOS SID/STAR 11/29 FRA (AD): LDOS; FRA (I)
AIOSA	415542N 0171454E	L862, P748	LDDU STAR FRA (EX) - Even FLs for all entering aircraft; Odd FLs for all exiting aircraft
ALANU	443129N 0151650E	L868	LDZD SID/STAR FRA (AD): LDZD; FRA (I)
ALIVO	453124N 0144421E	P151	LDRI SID 14 LDRI SID 32 FRA (D): LDRI; FRA (I) FRA(EX): 7500 ft AMSL - FL 205
AMOLU	433047N 0155458E		LDSP STAR
AMUGO	423239N 0173502E	L611, M169	LDDU SID 11 LDDU SID 29 LDDU STAR 11/29 FRA (AD): LDDU; FRA (I)
ARMIX	452857N 0141604E	Y560	FRA (I) FRA (X): 7500 ft AMSL - FL 205
BABAG	452313N 0130737E	N606	
BAMRO	432112N 0163648E		LDSP SID
BAPEK	453820.0N 0155439.7E		LDZA IAP 05
BAREB	454446N 0182448E	P10, Q571	LDOS SID 11/29 FRA (EX) - Even FLs for all exiting aircraft; Odd FLs for all entering aircraft
BAXON	442459N 0132747E		FRA (X) - Odd FLs for all exiting aircraft
BEDOX	461558N 0154934E		FRA (I)
BEVIS	415558N 0181140E	A48	LDDU SID 11 LDDU SID 29 LDDU STAR 11/29 FRA (EX) - Even FLs for all enternig aircraft, Odd FLs for all exiting aircraft
BIMSI	445542.4N 0143954.3E		LDRI IAP LDRI STAR 32
BUGEV	452756N 0134624E	M167	FRA (EX): 7500 ft AMSL - FL 135

Name-code designator	Coordinates	ATS route or other route	Remarks
1	2	3	4
BUSET	453006N 0141327E		FRA (I)
CRAYE	413010N 0180745E	A48, A482, N138, W36	
DABAR	445556N 0151613E	L862, P11	FRA (I)
DAFRO	431226.9N 0163616.5E		LDSB IAP
DARZA	452942N 0150026E	L868	FRA (AD): LJLJ; FRA (I) FRA (EX): 7500 ft AMSL - FL 205
DEPET	444044N 0155810E	N748	FRA (I)
DEVUL	450749N 0162628E		FRA (I)
DEXIS	432647.7N 0160757.0E		LDSP IAP
DIDEX	455147.3N 0161508.0E		LDZA IAP 23
DIGOT	442324N 0154004E	L862, N748	FRA (I)
DIXUM	432945N 0171158E		FRA (I)
DOPUT	424410N 0175357E		LDDU SID 29
EBITA	442306N 0144609E	N606	LDLO SID/STAR/IAP LDZD SID/STAR FRA (AD): LDLO, LDZD; FRA (I)
EDUGI	434727.78N 0141020.30E		FRA (X)
EKSON	453227.7N 0154548.4E		LDZA IAP 05 LDZA STAR 05
ELGUS	433252N 0145800E	M730, N748,	FRA (I)
ERASO	423345.7N 0175547.1E		LDDU IAP LDDU STAR 11
EVINI	450112N 0145854E	M986	FRA (I)
EVUGA	431541.3N 0162030.1E		LDSP IAP LDSP STAR 23
GAPRI	434141N 0154801E		LDSP SID/STAR
GEKSI	445311.7N 0133706.9E		LDPL IAP LDPL STAR 09
GELKO	445321.7N 0134408.5E		LDPL IAP

Name-code designator	Coordinates	ATS route or other route	Remarks
1	2	3	4
GEMKA	452813N 0141215E	L607	LDPL SID/STAR FRA (AD): LDPL; FRA (I) FRA (EX): 7500 ft AMSL - FL 205
GIRDA	452832N 0140802E	M178	LDPL SID/STAR LDRI STAR 14 LDRI STAR 32 FRA (AD): LDPL; FRA (A): LDRI, FRA (I) FRA (EX): 7500 ft AMSL - FL 205
GISAM	415507N 0174531E	N138	FRA (EX) - Even FLs for all entering aircraft; Odd FLs for all exiting aircraft
GISER	450342N 0151026E	L862, L868	FRA (I)
GODLA	454142.4N 0154308.3E		LDZA IAP 05 LDZA STAR 05
GORPA	454623N 0152112E		FRA (A): LJLJ; FRA (I)
GOTRI	431811.7N 0160821.4E		LDSP IAP LDSP STAR 05
GUBOK	450241N 0175142E	N131, Q571	FRA (I)
IBENI	440051N 0135518E	M986	FRA (E) - Even FLs for all entering aircraft
IDNUM	432307.4N 0160358.2E		LDSP IAP
IRBUL	432917.5N 0155638.4E		LDSP IAP LDSP STAR 05
IPKIS	442206N 0141803E	M986	LDLO SID/STAR FRA (AD): LDLO; FRA (I)
IRDAX	452103.8N 0143157.0E		LDRI IAP LDRI STAR 14
IXONA	445044N 0133256E		FRA (I)
KATTI	423028N 0160256E	M169	FRA (EX) - Odd FLs for all entering aircraft, Even FLs for all exiting aircraft
KEMIX	431842N 0155527E		LDSP IAP LDSP SID LDSP STAR
KENEM	433800N 0165648E	Y88	LDSP SID 05 LDSP STAR 05 LDSP STAR 23 FRA (AD): LDSP; FRA (I)
KOFER	415538N 0183949E	L611	FRA (D): LYTV; FRA (I)
KONAS	450012.5N 0133646.7E		LDPL IAP LDPL STAR 09
KONUV	422609N 0182612E		FRA (I)

Name-code designator	Coordinates	ATS route or other route	Remarks
1	2	3	4
KOPRY	461425N 0165746E	M986	LDZA SID 05/23 FRA (EX) - Even FLs for all entering aircraft, Odd FLs for all exiting aircraft
KOREX	444616N 0154609E	L615	FRA (I)
KOTOR	452628N 0153420E	M986, T742	LDZA SID/STAR 05/23 FRA (AD): LDZA; FRA (I)
KULEN	450955N 0150801E	L868, M986, W45	LDPL STAR 09/27 LDRI STAR 14/32 FRA (A): LDPL, LDRI; FRA (I)
KUSIB	450853N 0162818E		FRA (I)
KUTIG	452605.5N 0183035.9E		LDOS IAP 11 LDOS STAR 11
LABIN	445909N 0130529E	L614	LDPL SID/STAR FRA (EX) - Odd FLs for all entering aircraft, Even FLs for all exiting aircraft
LAKIK	453608N 0180551E	P735, Q571	LDOS STAR 11 LDOS SID 29 FRA (AD): LDOS; FRA (I)
LANIR	444700.8N 0141626.9E		LDPL IAP LDPL STAR 27
LAPOV	450015N 0190544E	B54	
LASDU	424701N 0170854E	L611	LDDU SID 29 FRA (D): LDDU; FRA (I)
LASUL	432035N 0161256E		LDSP IAP LDSP STAR 23
LOKDI	412942N 0182022E	A482	
LOKRU	422055N 0175608E	L611, P748	LDDU SID 11 LDDU SID 29 LDDU STAR 11/29 FRA (D): LDDU; FRA (I)
LORVI	452948.1N 0184050.9E		LDOS IAP 11
LUKAV	442126N 0150027E		LDZD STAR/IAP
LULUD	455033.13N 0154059.73E		LDZA STAR FRA (A): LDZA FRA (X): 7500 FT AMSL - FL 205
LURID	450806N 0172358E	L603	FRA (I)
MADOS	423609N 0181457E	L187	LDDU SID 11 LDDU SID 29 FRA (D): LDDU FRA (I)

Name-code designator	Coordinates	ATS route or other route	Remarks
1	2	3	4
MAGAM	455822N 0154211E	P735	FRA (AD): LJLJ; FRA (I) FRA (EX): 7500 ft AMSL - FL 205
MINTU	442024N 0144144E	W45	LDLO SID/STAR/IAP FRA (A): LDLO, LDZD; (D): LDLO; FRA (I)
MODMU	430848.2N 0155520.2E		LDSP STAR 05
MOKUN	422701N 0182848E	L187	LDDU SID 11 LDDU SID 29 LDDU STAR 11/29 FRA (AD): LDDU; FRA (I)
MONFA	452914N 0131645E	M859	
MOSAV	453331N 0165557E	N131	LDZA SID 05/23 FRA (D): LDZA; FRA (I)
NAKIT	451117N 0132652E	L615, T742	LDRI SID 14 LDRI SID 32 FRA (D): LDRI; FRA (I)
NASSY	452648N 0180559E	M19, Q571	LDOS STAR 11/29 FRA (A): LDOS; FRA (I)
NEGVI	452004.7N 0142652.0E		LDRI IAP
NEKIN	462425.80N 0164212.15E		LDZA STAR
NEMEK	453429N 0151753E		FRA (I)
NERRA	425419N 0173236E	L607, P10	LDDU SID 29 LDDU STAR 11/29 FRA (A): LDDU; FRA (I)
NETKO	430230N 0173942E	P10	FRA (AD): LQMO; FRA (I)
NIGDO	450102.6N 0141554.4E		LDPL IAP LDPL STAR 27
NIKOL	441319N 0134110E	M178	LDLO SID/STAR FRA (E) - Even FLs for all entering aircraft
NIVES	451326N 0155427E	Y137	LDZA SID 05/23 FRA (D): LDZA; FRA (I)
NOVLO	451346N 0165711E	L196, L604	FRA (I)
NUPSO	440803N 0155108E	L862	LDSP STAR 23 FRA (A): LDSP FRA (I)
NURAT	432640.8N 0162019.6E		LDSP IAP
NUSKA	450536.6N 0144154.7E		LDRI IAP

Name-code designator	Coordinates	ATS route or other route	Remarks
1	2	3	4
OBALA	445513N 0145821E	L615, P11	LDPL SID 27 FRA (D): LDPL; FRA (I)
OBUTI	462242N 0161627E	L187, M19	LDZA SID 05/23 FRA (A): LOWW; FRA (D): LDZA; FRA (I) FRA (EX): 4500 ft AMSL - FL 205
ODOKA	455801.1N 0161340.1E		LDZA IAP 23 LDZA STAR 23
OKLAX	435203N 0160234E	L862	LDSP STAR 05 FRA (A): LDSP; FRA (I)
OKROV	431848.1N 0154153.1E		LDSP STAR 05
OLEGU	422906.1N 0180754.0E		LDDU IAP LDDU STAR 29
ORAKA	423213N 0171202E	M169, N138	LDDU STAR 11/29 LDDU SID 29 LDSB STAR 04/22 LDSP SID 05/23 LDSP STAR 05 FRA (A): LDSB FRA (AD): LDDU, LDSP; FRA (I)
ORVAT	432948N 0171256E	Y128	FRA (I)
OSDUK	454714.91N 0180800.97E		LDOS STAR 11
OSGOL	432229N 0160332E		LDSP STAR/IAP
PALEZ	443430N 0153159E	L614, L862, Y137	FRA (I)
PEMUD	450247.1N 0150218.3E		LDRI IAP LDRI STAR 32
PEPIM	444611.0N 0133727.0E		LDPL IAP LDPL STAR 09
PERIP	430515.3N 0165031.1E		LDSB IAP LDSB STAR 04/22
PEROT	452402N 0190046E	P735	LDOS SID 11/29 FRA (D): LDOS; FRA (I)
PETOV	461835N 0155834E	L604, M725	LDZA SID/STAR 05/23 FRA (A): LDZA, LJMB; FRA (D): LJMB; FRA (I) FRA (EX): 5500 ft AMSL - FL 205
PEVAL	451841N 0131451E	N606	LDPL SID 09 LDPL SID 27 FRA (EX) - Odd FLs for all entering aircraft; Even FLs for all exiting aircraft
PEVON	433331N 0170224E	Z924	FRA (I)
PILAP	424313.8N 0175151.5E		LDDU IAP LDDU STAR 11

Name-code designator	Coordinates	ATS route or other route	Remarks
1	2	3	4
PIXAL	451318N 0163316E		FRA (I)
PODET	461017N 0153736E	L603	LDZA SID 05/23 FRA (D): LDZA; FRA (I) FRA (EX): 7500 ft AMSL - FL 205
RASIN	460525N 0164031E	M19, M986	LDZA SID/STAR FRA (AD): LDZA; FRA (I)
RASTU	445632N 0154436E	P11, Y137	FRA (I)
REMPI	434412N 0164922E	L5	LDSP SID 05 LDSP SID 23 FRA (D): LDSP; FRA (I)
RERNA	455735.6N 0162402.7E		LDZA IAP 23 LDZA STAR 23
RIGVA	421614N 0181422E	A48	LDDU SID 11
RILIM	423931N 0164856E	L862	LDSB STAR 04/22 LDSP SID 05 LDSP STAR 05 LDSP STAR 23 FRA (A): LDSB FRA (AD): LDSP; FRA (I)
RILNO	431800N 0162121E		LDSP STAR/IAP
ROGOV	433113N 0154359E		LDSP SID/STAR
ROLBA	455025N 0153918E		FRA (I)
RORKA	432918.0N 0162331.0E		LDSP IAP 23 LDSP VAC
ROTAR	451546N 0125944E	L615, M167, P11	LDPL STAR LDRI STAR 14 FRA (EX) - Odd FLs for all entering aircraft, Even FLs for all exiting aircraft
RUDIK	445948N 0161818E	M725	LDZA STAR 05/23 FRA (A): LDZA; FRA (I)
RUGOG	451641N 0151845E	M986	LDRI SID 14 LDRI SID 32 FRA (D): LDRI; FRA (I)
SABAD	452757N 0145203E	L862	FRA (AD): LJLJ; FRA (I) FRA (EX): 7500 ft AMSL - FL 205
SAJLO	432005.0N 0164336.8E		LDSB IAP
SATOL	434622N 0155230E		LDSP SID

Name-code designator	Coordinates	ATS route or other route	Remarks
1	2	3	4
SIPAL	430812N 0170425E	L607	LDDU STAR 11 LDSB SID/STAR 04/22 LDSP SID 05 LDSP STAR 05 LDSP STAR 23 FRA (A): LDDU FRA (AD): LDSB, LDSP; FRA (I)
SIRMI	440900N 0161813E	M725	LDSP SID 05 LDSP SID 23 FRA (D): LDSP; FRA (I)
SITPA	445350.7N 0140636.9E		LDPL IAP
SIVLA	450607N 0182254E	L863	FRA (I)
SOMIG	431014N 0160426E	M725, Z924	FRA (I)
SONIK	442654N 0160836E	L614	FRA (I)
SORDO	452255.7N 0141021.7E		LDRI IAP LDRI STAR 14
TAFNI	453215.6N 0155551.9E		LDZA IAP 05 LDZA STAR 05
TEBLI	451205N 0164033E	L187	LDZA SID/STAR 05/23 FRA (A): LDZA, LQBK; FRA (D): LQBK, LDZA; FRA (I)
TEPKO	414427N 0182541E	W36	
TIBRI	422438N 0183315E	L187	FRA (I)
TIKSA	430103N 0171852E	L607, Y128	LDDU STAR 11 FRA (A): LDDU FRA (I)
TILVO	422046N 0183327E		FRA (I)
TINBO	454903.8N 0162538.1E		LDZA IAP 23 LDZA STAR 23
TORPO	433351N 0142529E	M730	LDSP SID 05/23 LDSP STAR 05/23 FRA (EX) - Odd FLs for all entering aircraft; Even FLs for all exiting aircraft
TUPUS	451315N 0155323E		FRA (I)
TUVAR	450736N 0190439E	M19, P11	LDOS SID 11/29 LDOS STAR 29 FRA (A): LDOS; (D): LDOS/LYBE; FRA (I)
ULPIN	444213N 0143914E	L607, M986	LDLO SID/STAR LDZD SID/STAR FRA (AD): LDLO, LDZD; FRA (I)

Name-code designator	Coordinates	ATS route or other route	Remarks
1	2	3	4
UMBEK	453240N 0132511E	M859	
UMSON	433109N 0154603E	L611, M730	FRA (I)
UNIPA	440146N 0162858E	L196	LDSP SID 05 LDSP SID 23 FRA (D): LDSP; FRA (I)
UVODI	430639N 0163231E	L611, L862	FRA (I)
VAKSU	420051N 0183137E	L611	FRA (I)
VANAX	460228N 0154353E		FRA (I)
VAPUP	430321N 0151220E	L5	LDSP STAR 05 LDSP STAR 23 FRA (E) - Odd FLs for all entering aircraft
VEBAL	455929N 0171748E	L196	LDZA STAR 05/23 FRA (EX) - Even FLs for all entering aircraft; Odd FLs for all exiting aircraft
VELIT	432106N 0171638E	M730	LDSP SID 05 LDSP STAR 05 LDSP STAR 23 FRA (AD): LDSP, LQMO; FRA: (I)
VELUG	425427N 0152615E	Z924	LDSP SID 05 LDSP SID 23 FRA (X) - Even FLs for all exiting aircraft
VIBOP	445957N 0184339E	B54, P10, P11	LDOS STAR 29 FRA (A): LDOS,LQTZ; FRA (D): LQTZ; FRA: (I)
XAMIT	431842N 0144752E	N748	FRA (X) - Odd FLs for all exiting aircraft
XOLTA	424214N 0154454E		FRA (EX) - Even FLs for all entering aircraft; Odd FLs for all exiting aircraft

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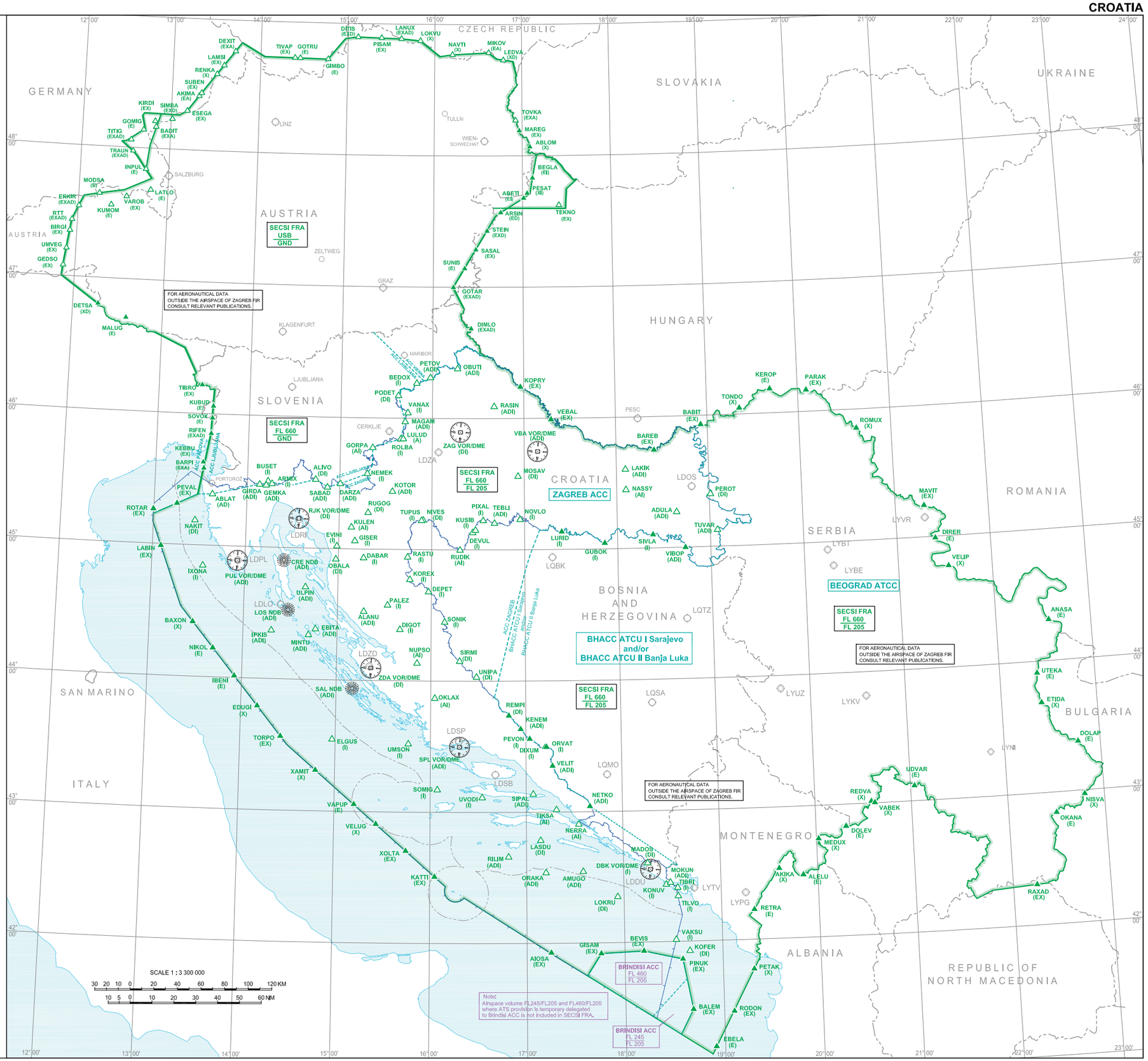
FREE ROUTE AIRSPACE
ZAGREB FIR
FL 660
FL 205

SECSI FRA

Effective date: 30 JAN 2020



LEGEND

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

CHANGE: RUGOG added; ARMIX, KULEN, MADOS, MOSAV, NASSY, NUPSO, OBALA, TIKSA: FRA Relevance

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AD 0.6 TABLE OF CONTENTS TO PART 3

LDDU - AIRPORT DUBROVNIK / Čilipi

LDPL - AIRPORT PULA / Pula

AD 2 Aerodromes

LDSB - AIRFIELD BRAČ / Brač I.

AD 2 Aerodromes

LDSP - AIRPORT SPLIT / Kaštela

LDZA - AIRPORT ZAGREB / Franjo Tuđman

AD 2 Aerodromes

LDZD - AIRPORT ZADAR / Zemunik

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

LDDU AD 2.10 AERODROME OBSTACLES

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

Obstacles in Area 3: Nil

LDDU AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	DUBROVNIK
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	DUBROVNIK, SPLIT, ZADAR,ZAGREB FT (24HR)
4	Trend Forecast Interval of issuance	TREND Continuous issuance during AD HR SER and 2 hours before AD HR SER
5	Briefing/consultation provided	Personally in MET Office or by tel: +385 1 6259224
6	Flight documentation Language(s) used	• Personally in MET Office or by fax (tel.: +385 20 447766) • Croatian, English
7	Charts and other information available for briefing or consultation	• diagnostic and prognostic surface and upper level charts • satellite images • meteograms
8	Supplementary equipment available for providing information	Telefax URL:http://met.crocontrol.hr
9	ATS units provided with information	Dubrovnik TWR, Dubrovnik APP
10	Additional information (limitation of service, etc.)	Nil

LDDU AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

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

Designations RWY NR	Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
1	7	8	9	10	11	12
11	Slope of RWY 11: 0.5% (0 M - 510 M) 0% (510 M - 1840 M) -1.1% (1840 M - 2860 M) -0.2% (2860 M - 3230 M)	Nil	Nil	3350 X 150	Nil	Undershoot RESA: Length:150 M Width:90 M Surface:ASPH and grass Overrun RESA: Length: 240 M Width: 90 M Surface: grass
29	Slope of RWY 29: 0.2% (0 M - 370 M) 1.1% (370 M - 1390 M) 0% (1390 M - 2720 M) -0.5% (2720 M - 3230 M)	Nil	Nil		Nil	Undershoot RESA: Length: 240 M Width: 90 M Surface: grass Overrun RESA: Length: 90 M Width: 90 M Surface: ASPH and grass

LDLO AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Within AD HR SER: CAT 2
2	Rescue equipment	Nil
3	Capability for removal of disabled aircraft	Nil
4	Remarks	Nil

LDLO AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Types of clearing equipment	Nil
2	Clearance priorities	Nil
3	Remarks	Nil

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

1	Apron surface and strength	**SURFACE**		**STRENGTH**	
		ASPH		PCN 39/F/A/Y/T	
2	Taxiway width, surface and strength	**TWY**	**WIDTH (M)**	**SURFACE**	**STRENGTH**
		TWY A	15	ASPH	PCN 39/F/A/Y/T
		TWY B	15	ASPH	PCN 39/F/A/Y/T
3	ACL location and elevation	Location: At Apron Elevation: 166 FT			
4	VOR checkpoints	Nil			
5	INS checkpoints	See LDLO AD 2.24.2 APDC -1			
6	Remarks	Nil			

LDLO 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	aircraft stand markings, Marshaller
2	RWY and TWY markings and LGT	RWY-02/20: THR, Centre line TWY A centre lines, taxi-holding positions TWY B centre lines, taxi-holding positions
3	Stop bars	Nil
4	Remarks	Nil

LDLO AD 2.10 AERODROME OBSTACLES

Obstacles in Area 2: Nil

Obstacles in Area 3: Nil

LDLO AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	LOŠINJ
2	Hours of service MET Office outside hours	During ATS operating hours PULA
3	Office responsible for TAF preparation Periods of validity	PULA, ZAGREB FT(24HR) - covering ATS operating hours
4	Trend Forecast Interval of issuance	Nil
5	Briefing/consultation provided	By tel.: +385 52 372521
6	Flight documentation Language(s) used	• Personally in MET Office or by fax (tel.: +385 52 372520) • Croatian, English
7	Charts and other information available for briefing or consultation	• diagnostic and prognostic surface and upper level charts • meteograms • satellite images
8	Supplementary equipment available for providing information	Telefax URL:http://met.crocontrol.hr
9	ATS units provided with information	Lošinj TWR, Pula APP
10	Additional information (limitation of service, etc.)	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**	**Markings/ type, colour**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
LDOS 01	NDB antenna	452720.27N 0185015.79E	101/15 M	Marked / ICAO Lighted	Nil
LDOS 02	NDB antenna	452718.76N 0185014.99E	101/14 M	Marked / ICAO Lighted	Nil

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	ZAGREB FT(24HR)
4	Trend Forecast Interval of issuance	Nil
5	Briefing/consultation provided	By tel: +385 1 6259 240
6	Flight documentation Language(s) used	• Personally in MET Office or by fax (tel.: +385 31 514 483) • Croatian, English
7	Charts and other information available for briefing or consultation	• diagnostic and prognostic surface and upper level charts • meteograms
8	Supplementary equipment available for providing information	Telefax URL:http://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

Designations RWY NR	TRUE BRG	Dimensions of RWY (M)	Strength (PCN) and surface of RWY and SWY	THR COORD RWY End COORD THR Geoid Undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
11	110.52°	2500 x 45 M	PCN 82/F/B/W/T ASPH	452758.68N 0184746.96E 452730.26N 0184934.68E 144 FT	THR 291 FT TDZ 290 FT
29	290.54°			452730.26N 0184934.67E 452758.68N 0184746.95E 144 FT	THR 290 FT TDZ 289 FT

Designations RWY NR	Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
1	7	8	9	10	11	12
11	Slope of RWY 11/29: 0°	Nil	Nil	2620 x 300	Nil	Paved shoulders, width 7.5 M. RESA Length: 240 M Width: 90 M Surface: grass
29		Nil	Nil		Nil	Paved shoulders, width 7.5 M. RESA Length: 240 M Width: 90 M Surface: grass

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
	1800	1800	Nil	Nil	Intersection TWY A
	1500	1500	Nil	Nil	Intersection TWY B
29	2500	2500	2500	2500	Nil
	700	700	Nil	Nil	Intersection TWY A
	1000	1000	Nil	Nil	Intersection TWY B

LDPL 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 Follow me vehicle, Marshaller
2	RWY and TWY markings and LGT	RWY-09/27 - RWY: Designation, THR, TDZ, Centre line, fixed distances, edges, Runway turn pad marking THR27. TWY A - TWY: Centre line; Holding positions; Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY B - TWY: Centre line; Holding positions; Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY C - TWY: Centre line; Holding positions; Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY D - TWY: Centre line; Holding positions; Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY E - TWY: Centre line; Holding positions; Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY F - TWY: Centre line; Holding positions; Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY G - TWY: Centre line; Holding positions; Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY H - TWY: Centre line; Holding positions; Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions.
3	Stop bars	Nil
4	Remarks	Vertical signs on movement area to be used during daylight only and in visibility conditions greater than 800 M or RVR 550 M (CAT I). RWY turn pad THR 27 restrictions: 180DEG turn on RWY turn pad for aircraft with wheel base more than 26.20 M is not possible. For aircraft with wheel base more than 17.30 M, the nose wheel steering angle exceeds 45 DEG.

LDPL AD 2.10 AERODROME OBSTACLES

Obstacles in Area 2: See LDPL AD 2.24.4 AOC RWY 09/27 -1

Obstacles in Area 3: Nil

LDPL AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	PULA
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	PULA, ZAGREB FT (24HR)
4	Trend Forecast Interval of issuance	TREND Continuous issuance during AD HR SER and 2 hours before AD HR SER
5	Briefing/consultation provided	By tel.: +385 52 372521
6	Flight documentation Language(s) used	• Personally in MET Office or by fax (tel.: +385 52 372520) • Croatian, English
7	Charts and other information available for briefing or consultation	• diagnostic and prognostic surface and upper level charts • satellite images, lightning detection • meteograms
8	Supplementary equipment available for providing information	Telefax URL:http://met.crocontrol.hr
9	ATS units provided with information	Pula TWR, Pula APP
10	Additional information (limitation of service, etc.)	Nil

STAR RWY 09/27				
Designator	**Route**	**Descend**	**Contact**	**Remarks**
LABIN3A	**LABIN THREE ALPHA ARRIVAL** From LABIN proceed on QDM 097° PLA (MNM ALT 3000 FT). After crossing 12.0 DME PUL proceed on QDM 097° PLA to PLA NDB (MNM ALT 2300 FT) and hold.	As cleared by ATC		

Backup device on TWR in case of a complete communication failure

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

LDPL AD 2.23 ADDITIONAL INFORMATION

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

LDPL AD 2.24 CHARTS RELATED TO AN AERODROME

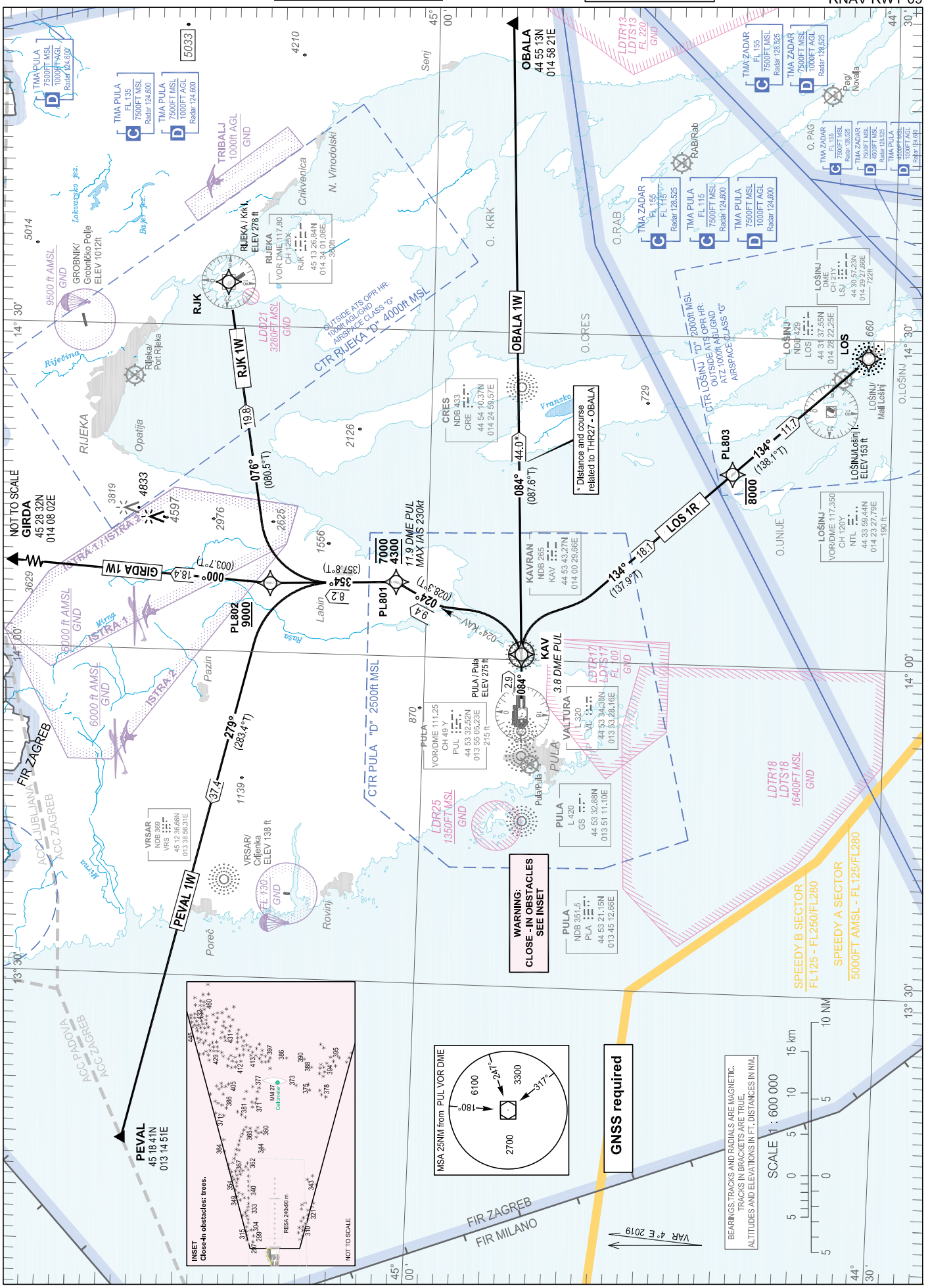
Name	Page
Aerodrome Chart - ICAO	LDPL AD 2.24.1 ADC -1
Aircraft Parking/Docking Chart - ICAO	LDPL AD 2.24.2 APDC -1
Aerodrome Ground Movement Chart – ICAO	*NOT AVBL*
Aerodrome Obstacle Chart - ICAO Type A RWY 09-27	LDPL AD 2.24.4 AOC RWY 09/27 -1
Aerodrome Terrain and Obstacle Chart – ICAO (Electronic)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

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

PULA ATIS	129.150
PULA TOWER	132.000
PULA RADAR	124.600

PULA / Pula
CROATIA
RNAV RWY 09



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PULA/ Pula
CROATIA
RNAV RWY 09

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs
- Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 FT/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary, this is indicated in the tabular description of the route.
Caution: Close-in obstacles. See inset on the chart.

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SIDs PEVAL 1W, GIRDA 1W and RJK 1W only:
Climb straight ahead. At KAV NDB or 3.8 DME PUL turn LEFT climbing to intercept and follow QDR 024° KAV NDB to 11.9 DME PUL. Cross 11.9 DME PUL at or above 4300 FT AMSL, but at or below 7000 FT AMSL. After crossing 11.9 DME PUL proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction. MAX IAS 230 kt. MNM PDG 4.4% (267 FT/NM) to 900 FT AMSL.

LDPL RNAV STANDARD INSTRUMENT DEPARTURE RWY 09

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	PEVAL 1W	CF	KAV	Y	084° (088.3°T)	4.00°E	2.9	-	-	-	MNM PDG 4.4% (267 FT/NM) to 900 FT AMSL	RNAV 1
020		TF	PL801	-	024° (028.3°T)	4.00°E	9.4	L	-7000 +4300	-230		
030		TF	PL802	-	354° (357.8°T)	4.00°E	8.2	-	+9000	-		
040		TF	PEVAL	-	279° (283.4°)	4.00°E	37.4	-	-	-		
010	GIRDA 1W	CF	KAV	Y	084° (088.3°T)	4.00°E	2.9	-	-	-	MNM PDG 4.4% (267 FT/NM) to 900 FT AMSL	RNAV 1
020		TF	PL801	-	024° (028.3°T)	4.00°E	9.4	L	-7000 +4300	-230		
030		TF	PL802	-	354° (357.8°T)	4.00°E	8.2	-	+9000	-		
040		TF	GIRDA	-	000° (003.7°)	4.00°E	18.4	-	-	-		
010	RJK 1W	CF	KAV	Y	084° (088.3°T)	4.00°E	2.9	-	-	-	MNM PDG 4.4% (267 FT/NM) to 900 FT AMSL	RNAV 1
020		TF	PL801	-	024° (028.3°T)	4.00°E	9.4	L	-7000 +4300	-230		
030		TF	PL802	-	354° (357.8°T)	4.00°E	8.2	-	+9000	-		
040		TF	RJK	-	076° (080.5°)	4.00°E	19.8	-	-	-		

LDPL RNAV STANDARD INSTRUMENT DEPARTURE RWY 09

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	OBALA 1W	CF	OBALA	-	084° (087.6°)	4.00°E	44.0	-	-	-	MNM PDG 4.4% (267 FT/NM) to 900 FT AMSL	RNAV 1

CHANGE: New chart

PULA / Pula
CROATIA
RNAV RWY 09

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

LDPL RNAV STANDARD INSTRUMENT DEPARTURE RWY 09

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	LOS 1R	CF	KAV	Y	084° (088.3°T)	4.00°E	2.9	-	-	-	MNM PDG 4.4% (267 FT/NM) to 900 FT AMSL	RNAV 1
020		TF	PL803	-	134° (137.9°T)	4.00°E	18.1	-	-8000	-		
030		TF	LOS	-	134° (138.1°T)	4.00°E	11.7	-	-	-		

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
KAV	445343.27N	0140029.66E
LOS	443137.55N	0142822.25E
RJK	451326.84N	0143401.06E
GIRDA	452832N	0140802E
OBALA	445513N	0145821E
PEVAL	451841N	0131451E
PL801	450201.6N	0140648.3E
PL802	451013.5N	0140621.5E
PL803	444018.1N	0141729.2E

CHANGE: New chart

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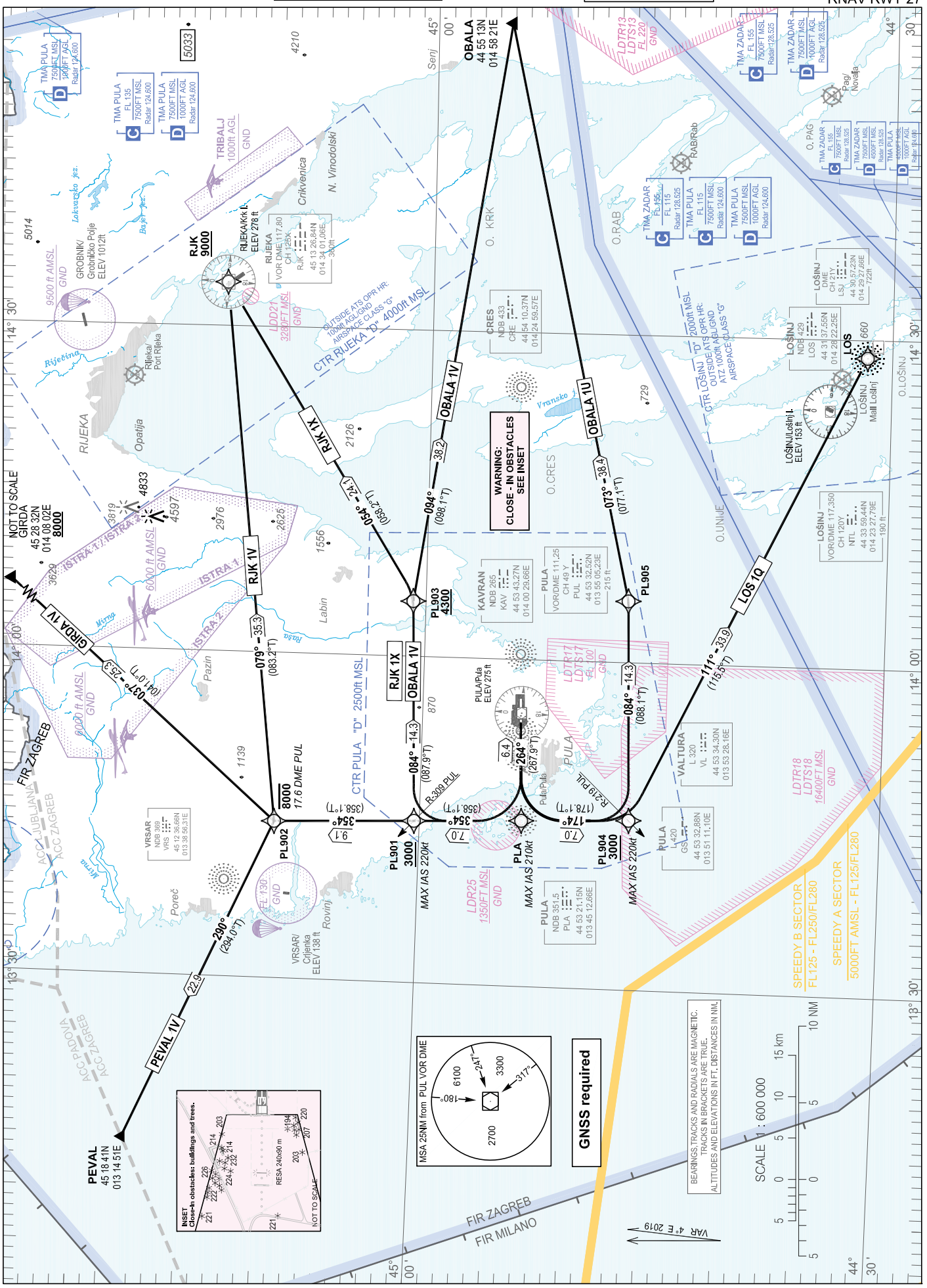
STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

PULA ATIS	129.150
PULA TOWER	132.000
PULA RADAR	124.600

PULA / Pula
CROATIA
RNAV RWY 27



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PULA/ Pula
CROATIA
RNAV RWY 27

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs
- Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 FT/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary, this is indicated in the tabular description of the route.
CAUTION: Close-in obstacles. See inset on the chart.

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SIDs PEVAL 1V, GIRDA 1V, RJK 1V, RJK 1X and OBALA 1V only:
Climb straight ahead. At PLA NDB turn RIGHT (MAX IAS 210kt) climbing to intercept and follow QDR 354° PLA NDB. Cross R-309 PUL at or above 3000FT AMSL. After passing 3000FT AMSL proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction.

LDPL RNAV STANDARD INSTRUMENT DEPARTURE RWY 27

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	PEVAL 1V	CF	PLA	-	264° (267.9°T)	4.00°E	6.4	-	-	-210	-	
020		TF	PL901	-	354° (358.1° T)	4.00°E	7.0	R	+3000	-220		
030		TF	PL902	-	354° (358.1°T)	4.00°E	9.1	-	-8000	-		RNAV 1
040		TF	PEVAL	-	290° (294.0°T)	4.00°E	22.9	-	-	-		
010	GIRDA 1V	CF	PLA	-	264° (267.9°T)	4.00°E	6.4	-	-	-210	-	
020		TF	PL901	-	354° (358.1°T)	4.00°E	7.0	R	+3000	-220		
030		TF	PL902	-	354° (358.1°T)	4.00°E	9.1	-	-8000	-		RNAV 1
040		TF	GIRDA	-	037° (041.0°T)	4.00°E	25.3	-	+8000	-		
010	RJK 1V	CF	PLA	-	264° (267.9°T)	4.00°E	6.4	-	-	-210	-	
020		TF	PL901	-	354° (358.1° T)	4.00°E	7.0	R	+3000	-220		
030		TF	PL902	-	354° (358.1°T)	4.00°E	9.1	-	-8000	-		RNAV 1
040		TF	RJK	-	079° (083.2°T)	4.00°E	35.3	-	+9000	-		
010	RJK 1X	CF	PLA	-	264° (267.9°T)	4.00°E	6.4	-	-	-210	-	
020		TF	PL901	-	354° (358.1° T)	4.00°E	7.0	R	+3000	-220		
030		TF	PL903	-	084° (087.9°T)	4.00°E	14.3	R	+4300	-		RNAV 1
040		TF	RJK	-	054° (058.2° T)	4.00°E	24.1	-	+9000	-		
010	OBALA 1V	CF	PLA	-	264° (267.9°T)	4.00°E	6.4	-	-	-210	-	
020		TF	PL901	-	354° (358.1° T)	4.00°E	7.0	R	+3000	-220		
030		TF	PL903	-	084° (087.9°T)	4.00°E	14.3	R	+4300	-		RNAV 1
040		TF	OBALA	-	094° (098.1° T)	4.00°E	38.2	-	-	-		

CHANGE: New chart

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

LDPL RNAV STANDARD INSTRUMENT DEPARTURE RWY 27

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	OBALA 1U	CF	PLA	-	264° (267.9°T)	4.00°E	6.4	-	-	-210	-	RNAV 1
020		TF	PL904	-	174° (178.1°T)	4.00°E	7.0	-	+3000	-220		
030		TF	PL905	-	084° (088.1°T)	4.00°E	14.3	-	-	-		
040		TF	OBALA	-	073° (077.1°T)	4.00°E	38.4	-	-	-		
010	LOS 1Q	CF	PLA	-	264° (267.9°T)	4.00°E	6.4	-	-	-210	-	RNAV 1
020		TF	PL904	-	174° (178.1°T)	4.00°E	7.0	-	+3000	-220		
030		TF	LOS	-	111° (115.5°T)	4.00°E	33.9	-	-	-		

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
LOS	443137.55N	0142822.25E
PLA	445321.15N	0134512.66E
RJK	451326.84N	0143401.06E
GIRDA	452832N	0140802E
OBALA	445513N	0145821E
PEVAL	451841N	0131451E
PL901	450020.8N	0134452.6E
PL902	450928.0N	0134426.3E
PL903	450050.1N	0140504.0E
PL904	444621.4N	0134532.6E
PL905	444648.3N	0140537.3E

CHANGE: New chart

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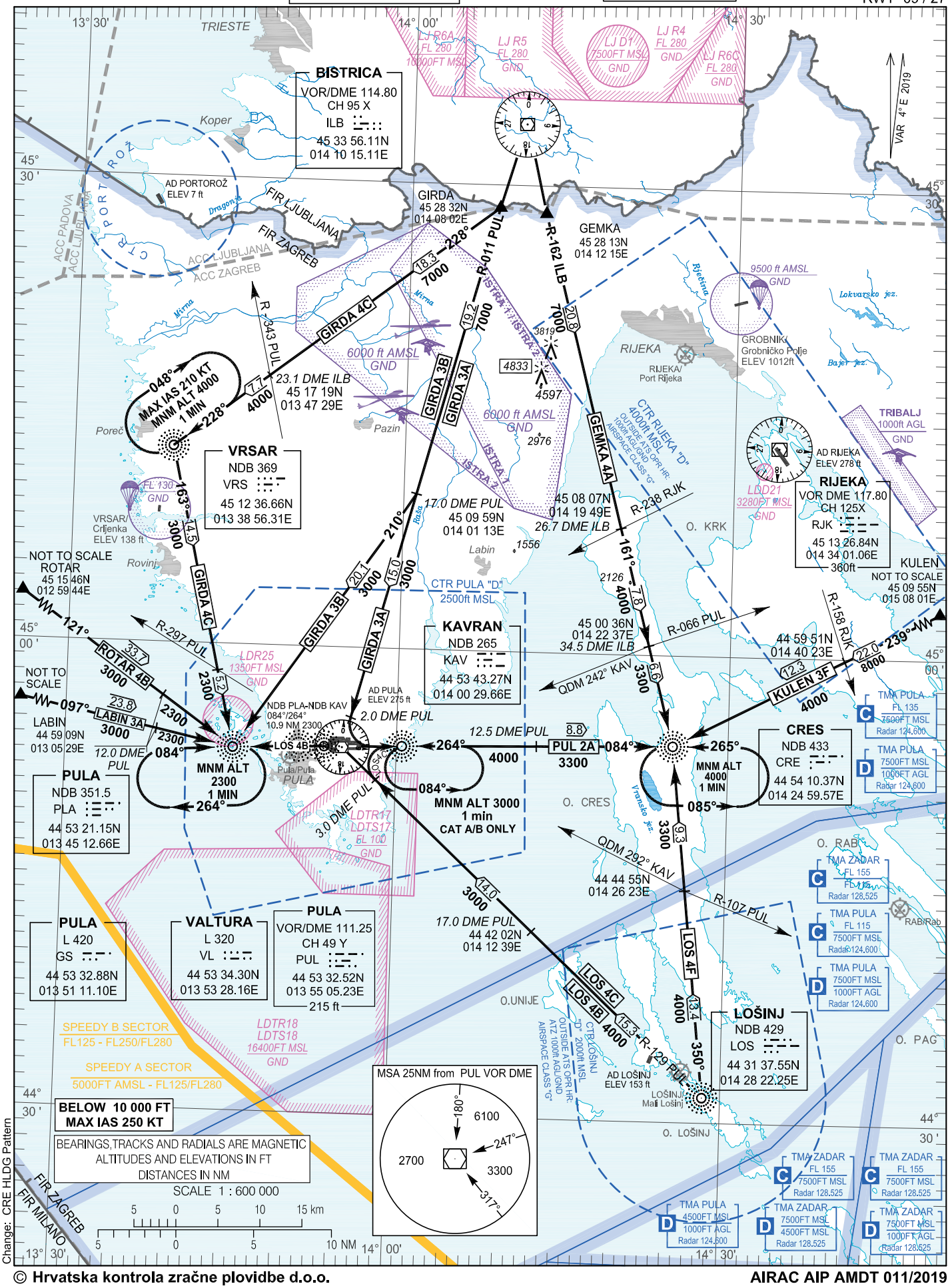
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

PULA ATIS	129.150
PULA RADAR	124.600
PULA TOWER	132.000

PULA / Pula
CROATIA
RWY 09 / 27



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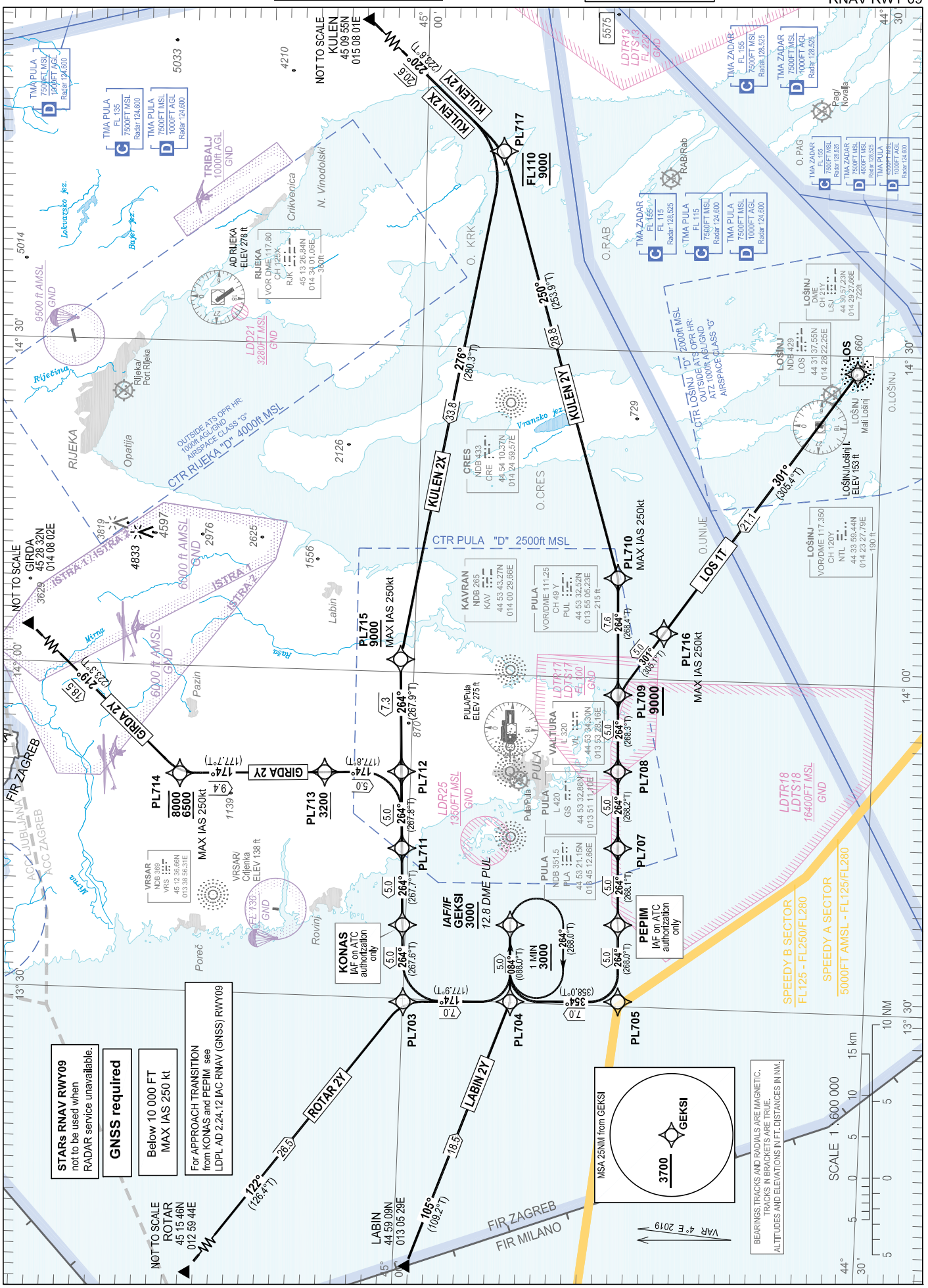
STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

PULA ATIS	129.150
PULA RADAR	124.600
PULA TOWER	132.000

PULA / Pula
CROATIA
RNAV RWY 09



STARs RNAV RWY09
not to be used when
RADAR service unavailable.

GNSS required

Below 10 000 FT
MAX IAS 250 kt

For APPROACH TRANSITION
from KONAS and PEPIM see
LDPL AD 2.24.12 IAC RNAV (GNSS) RWY09

CHANGE: New chart

PULA/ Pula
CROATIA
RNAV RWY 09

LDPL RNAV STANDARD ARRIVAL RWY 09

Proposed tabular description for navigation database coding

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

CHANGE: New chart

LDPL RNAV STANDARD ARRIVAL RWY 09

Proposed tabular description for navigation database coding

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

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

CHANGE: New chart

PULA/ Pula
CROATIA
RNAV RWY 09

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

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

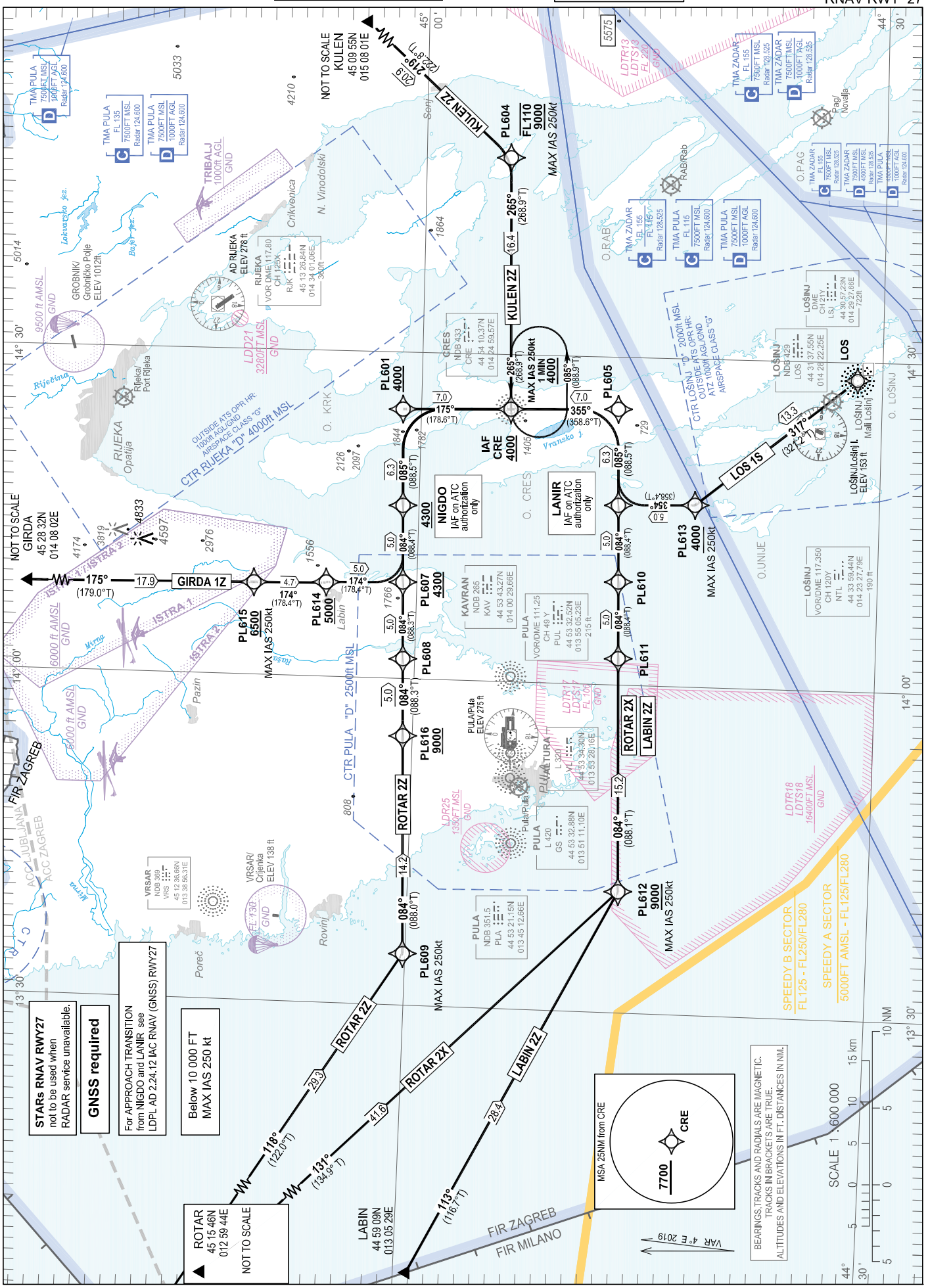
CHANGE: New chart

STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

PULA ATIS	129.150
PULA RADAR	124.600
PULA TOWER	132.000

PULA / Pula
CROATIA
RNAV RWY 27



CHANGE: New chart

PULA/ Pula
CROATIA
RNAV RWY 27

LDPL RNAV STANDARD ARRIVAL RWY 27

Proposed tabular description for navigation database coding

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

CHANGE: New chart

LDPL RNAV STANDARD ARRIVAL RWY 27

Proposed tabular description for navigation database coding

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

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

RNAV HOLDING tabular description

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

CHANGE: New chart

PULA/ Pula
CROATIA
RNAV RWY 27

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

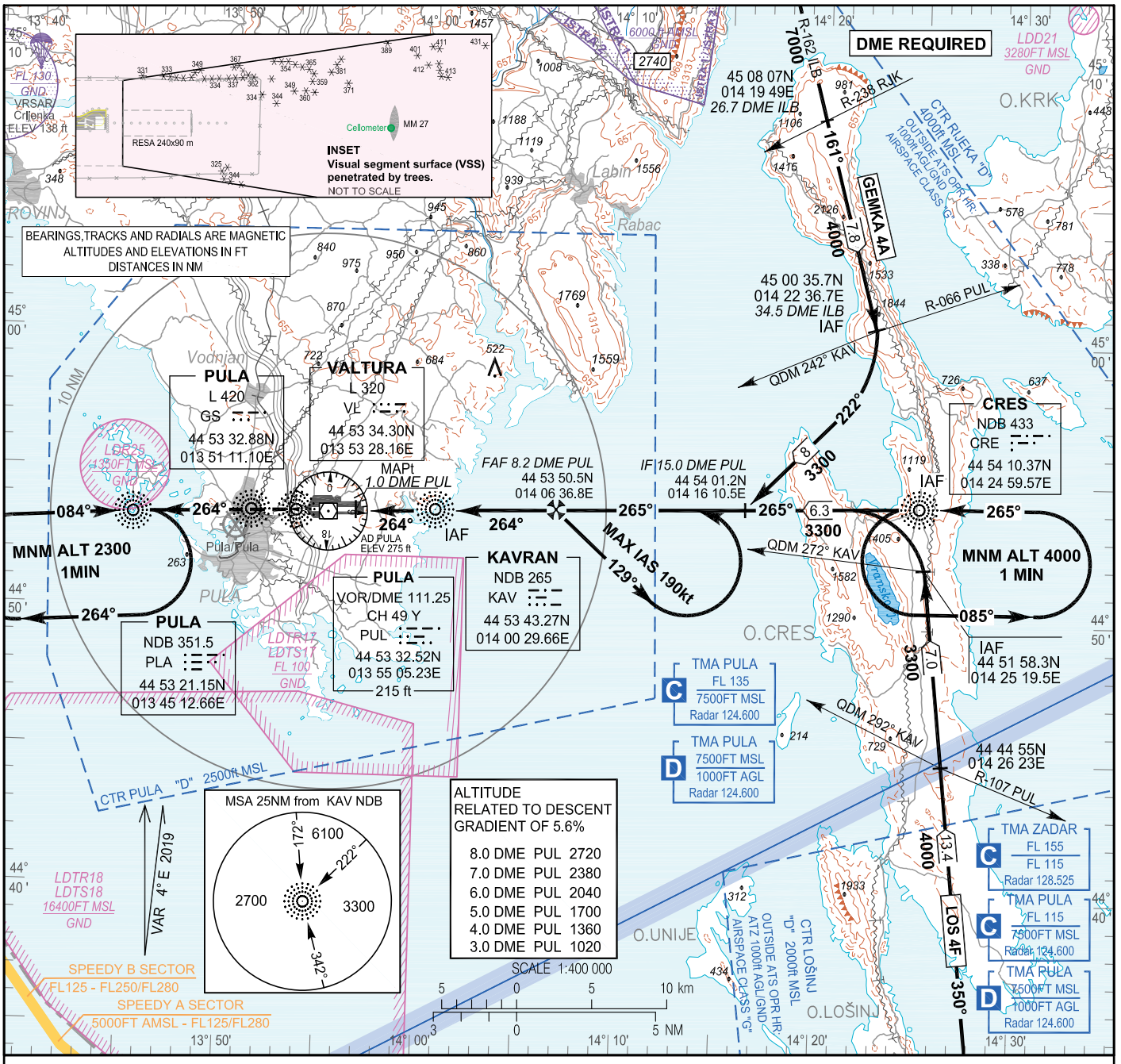
CHANGE: New chart

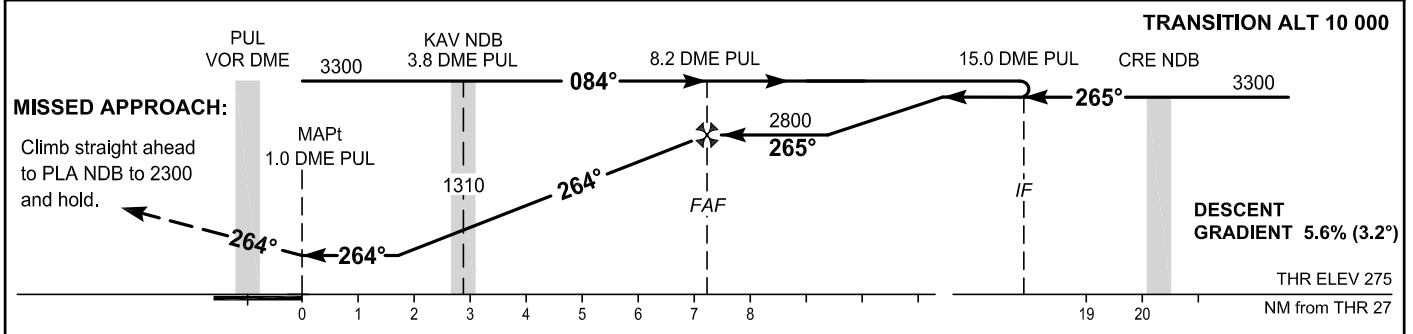
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 275
HEIGHTS RELATED
TO THR 27 ELEV 275

PULA ATIS	129.150
PULA RADAR	124.600
PULA TOWER	132.000

PULA / Pula
CROATIA
NDB y RWY 27





OCA(H)	A	B	C	D
Straight-in Approach	870 (600)			
Circling	890 (620)	950 (680)	1110 (840)	1190 (920)

NDB KAV to MAPt (THR 27) DISTANCE 2.9 NM
TIMING NOT AUTHORIZED FOR DEFINING THE MAPt

kt	70	90	100	120	140	160
min : sec	2:29	1:56	1:44	1:27	1:15	1:05
Rate of descent (ft / min)	397	510	567	681	794	907

Change: CRE HLDG pattern

PULA / Pula
CROATIA
NDB y RWY 27

AERONAUTICAL DATABASE REQUIREMENTS

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
NDB y RWY 27			
Final approach descent angle: 3.23°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (KAV NDB)	See LDPL AD 2.19	-	-
IAF (CRE NDB)	See LDPL AD 2.19	-	-
IAF (via GEMKA)	45 00 35.7N 014 22 36.7E	165.23° (CRE NDB)	246.49° (KAV NDB)
IAF (via LOS NDB)	44 51 58.3N 014 25 19.5E	353.88° (CRE NDB)	275.80° (KAV NDB)
IF	44 54 01.2N 014 16 10.5E	268.55° (KAV NDB)	15.00 DME PUL
FAF	44 53 50.5N 014 06 36.8E	268.44° (KAV NDB)	8.20 DME PUL
SDF (KAV NDB)	See LDPL AD 2.19	-	-
MAPt (THR 27)	See LDPL AD 2.12	268.33° (KAV NDB)	0.97 DME PUL

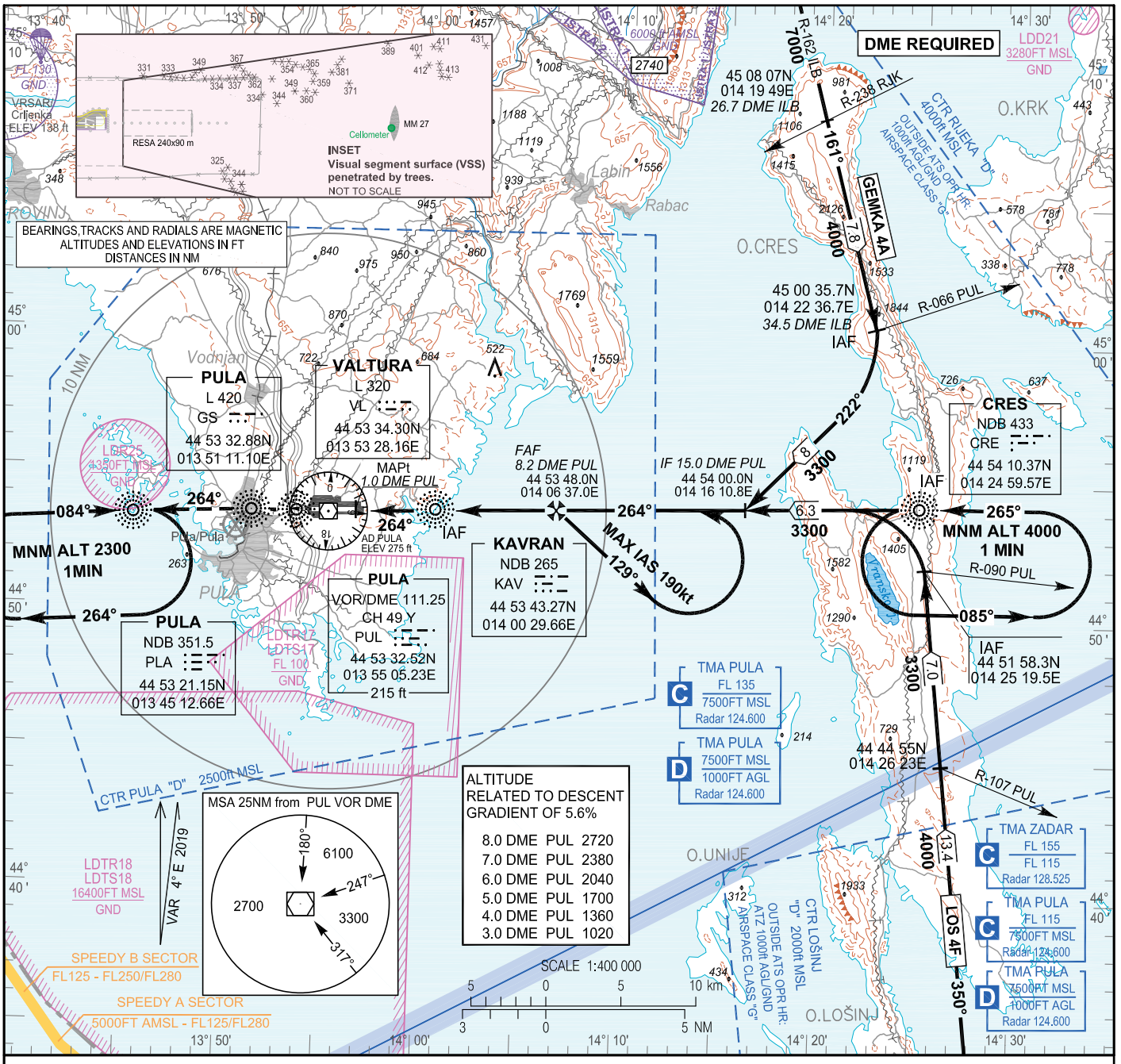
Change: CRE HLDG pattern

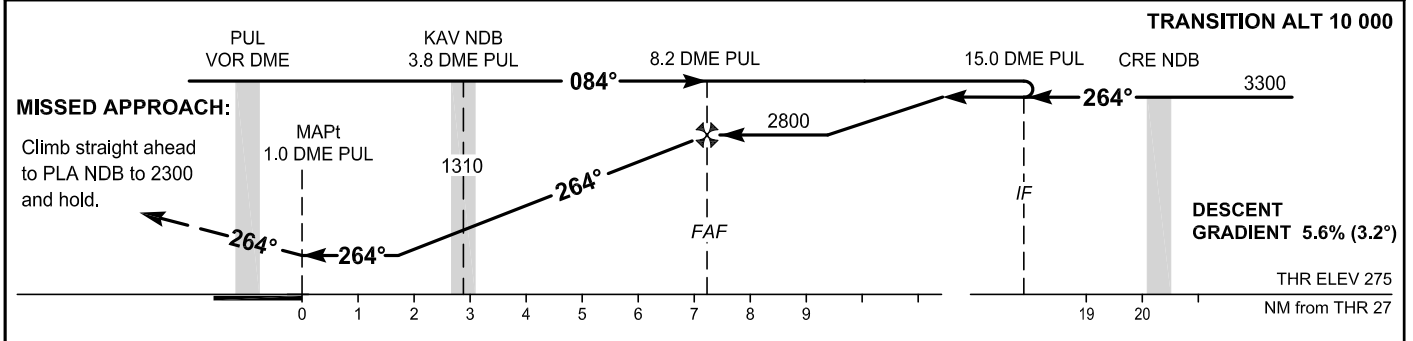
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 275
HEIGHTS RELATED
TO THR 27 ELEV 275

PULA ATIS	129.150
PULA RADAR	124.600
PULA TOWER	132.000

PULA / Pula
CROATIA
VOR RWY 27





OCA(H)	A	B	C	D
Straight-in Approach	830 (560)			
Circling	890 (620)	950 (680)	1110 (840)	1190 (920)

FAF TO MAPt - DISTANCE 7.2 NM
TIMING NOT AUTHORIZED FOR DEFINING THE MAPt

kt	70	90	100	120	140	160
min : sec	6:10	4:48	4:19	3:36	3:05	2:42
ft / min	397	510	567	681	794	907
MAPt at 1.0DME PUL						

Change: CRE HLDG pattern

PULA / Pula
CROATIA
VOR RWY 27

AERONAUTICAL DATABASE REQUIREMENTS

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
VOR RWY 27			
Final approach descent angle: 3.23°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (KAV NDB)	See LDPL AD 2.19	-	-
IAF (CRE NDB)	See LDPL AD 2.19	-	-
IAF (via GEMKA)	45 00 35.7N 014 22 36.7E	165.23° (CRE NDB)	070.00° (PUL VOR)
IAF (via LOS NDB)	44 51 58.3N 014 25 19.5E	353.88° (CRE NDB)	094.00° (PUL VOR)
IF	44 54 00.0N 014 16 10.8E	268.37° (PUL VOR)	15.00 DME PUL
FAF	44 53 48.0N 014 06 37.0E	268.26° (PUL VOR)	8.20 DME PUL
SDF	44 53 40.0N 014 00 29.8E	268.26° (PUL VOR)	(1) 3.85 DME PUL
MAPt	44 53 34.5N 013 56 29.6E	268.26° (PUL VOR)	1.0 DME PUL

(1) Higher resolution: 3.848 DME PUL

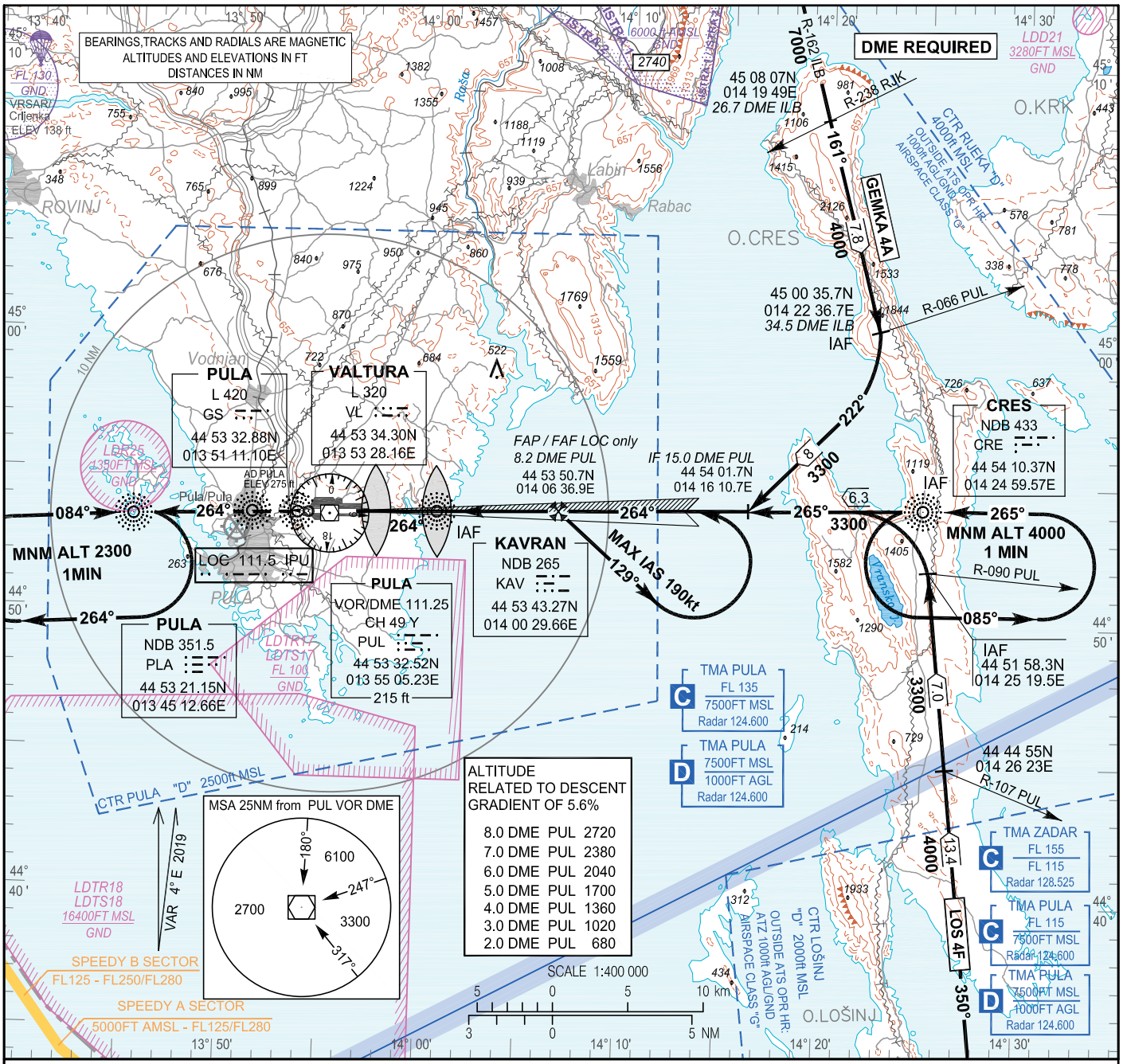
Change: CRE HLDG pattern

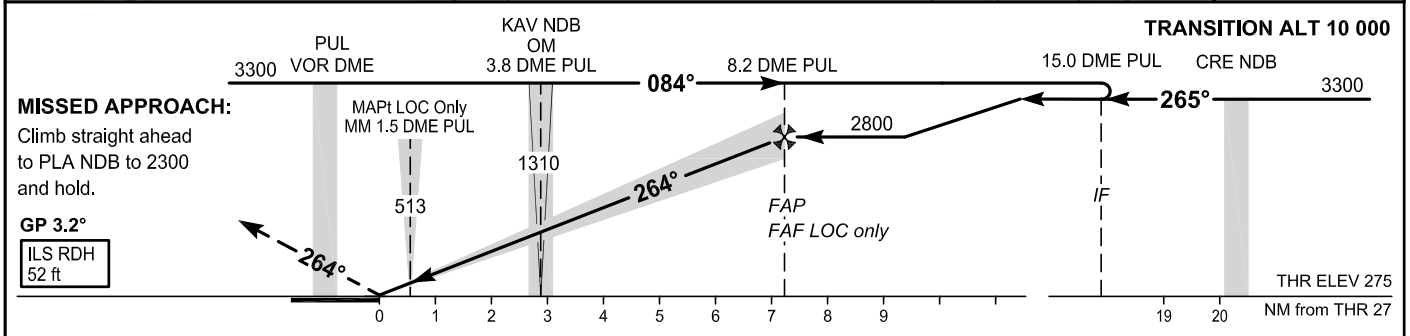
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 275
HEIGHTS RELATED
TO THR 27 ELEV 275

PULA ATIS	129.150
PULA RADAR	124.600
PULA TOWER	132.000

PULA / Pula
CROATIA
ILS or LOC RWY 27





OCA(H)		A	B	C	D
Straight-in Approach	ILS CAT I press. altim.	492 (217)	498 (223)	505 (230)	515 (240)
	LOC only	690 (420)			
Circling		890 (620)	950 (680)	1110 (840)	1190 (920)

GS(kt)	70	90	100	120	140	160
Rate of descent (ft / min)	397	510	567	681	794	907

Change: CRE HLDG pattern

PULA / Pula
CROATIA
ILS or LOC RWY 27

AERONAUTICAL DATABASE REQUIREMENTS

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
ILS or LOC RWY 27			
LOC only - final approach descent angle: 3.22°			
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (KAV NDB)	See LDPL AD 2.19	-	-
IAF (CRE NDB)	See LDPL AD 2.19	-	-
IAF (via GEMKA)	45 00 35.7N 014 22 36.7E	165.23° (CRE NDB)	070.00° (PUL VOR)
IAF (via LOS NDB)	44 51 58.3N 014 25 19.5E	353.88° (CRE NDB)	094.00° (PUL VOR)
IF	44 54 01.7N 014 16 10.7E	268.28° (IPU LOC)	15.00 DME PUL
FAP / FAF LOC only	44 53 50.7N 014 06 36.9E	268.28° (IPU LOC)	8.20 DME PUL
SDF LOC only (OM)	See LDPL AD 2.19	268.28° (IPU LOC)	3.84 DME PUL
MAPt LOC only (MM)	See LDPL AD 2.19	268.28° (IPU LOC)	1.52 DME PUL

Change: CRE HLDG pattern

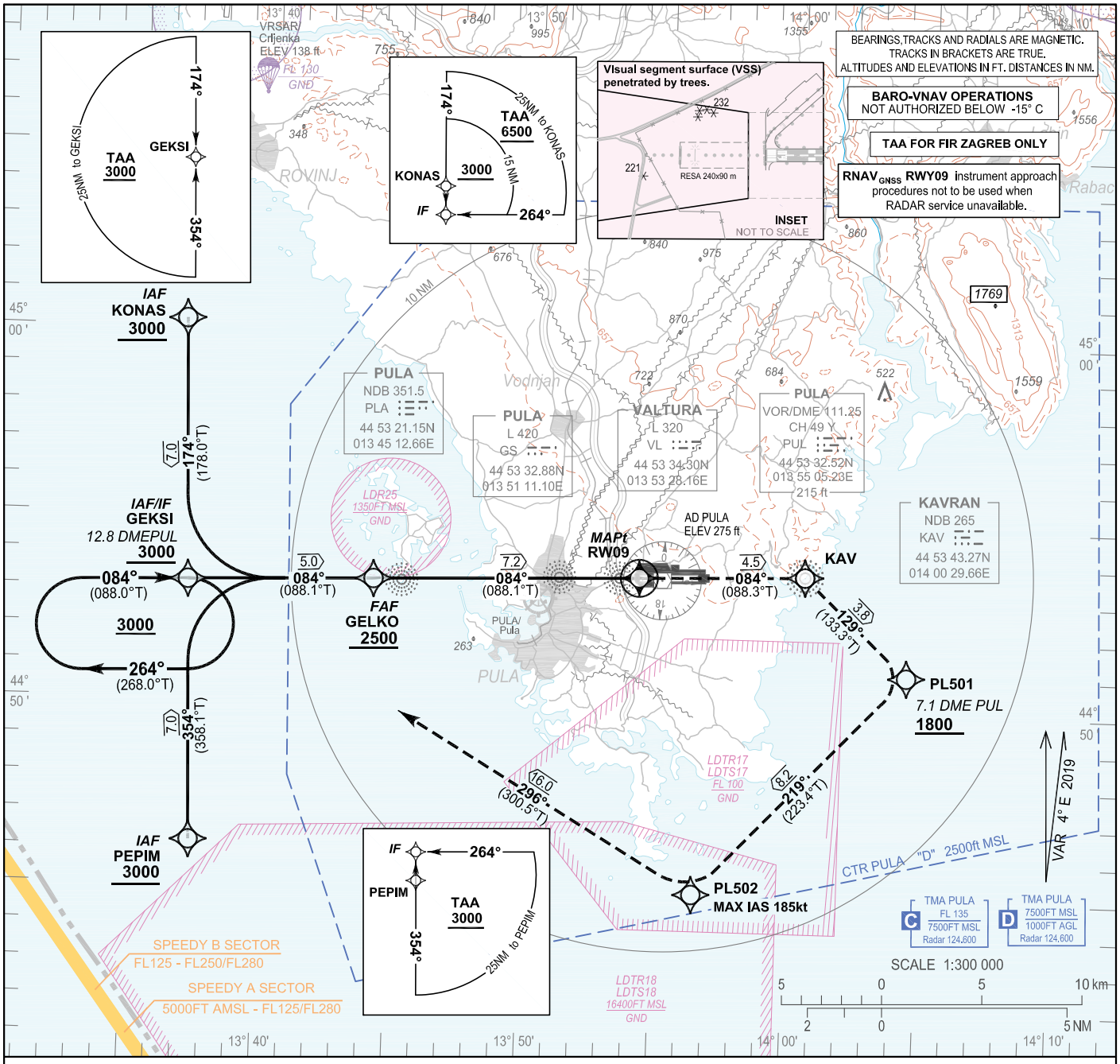
INSTRUMENT APPROACH CHART-ICAO

AD ELEV 275
HEIGHTS RELATED TO THR 09 ELEV 168

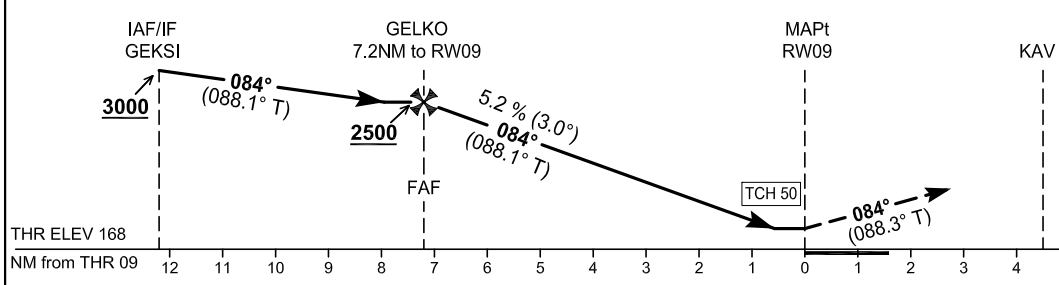
SBAS
CH: 87881
E09A

PULA ATIS	129.150
PULA RADAR	124.600
PULA TOWER	132.000

PULA / Pula
CROATIA
RNAV(GNSS) RWY 09



TRANSITION ALT 10 000



MISSED APPROACH

RNAV

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

NON RNAV

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

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

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

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

CHANGE: Editorial

PULA / Pula
CROATIA
RNAV(GNSS) RWY 09

Coding elements for FAS Data Block

Input data

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

Output data

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

Required Additional Data

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

CHANGE: Editorial

PULA / Pula
CROATIA
RNAV(GNSS) RWY 09

LDPL RNAV (GNSS) RWY09

Proposed tabular description for navigation database coding - APPROACH TRANSITION

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

Proposed tabular description for navigation database coding - FINAL TRANSITION

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

RNAV HOLDING tabular description

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

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

CHANGE: Editorial

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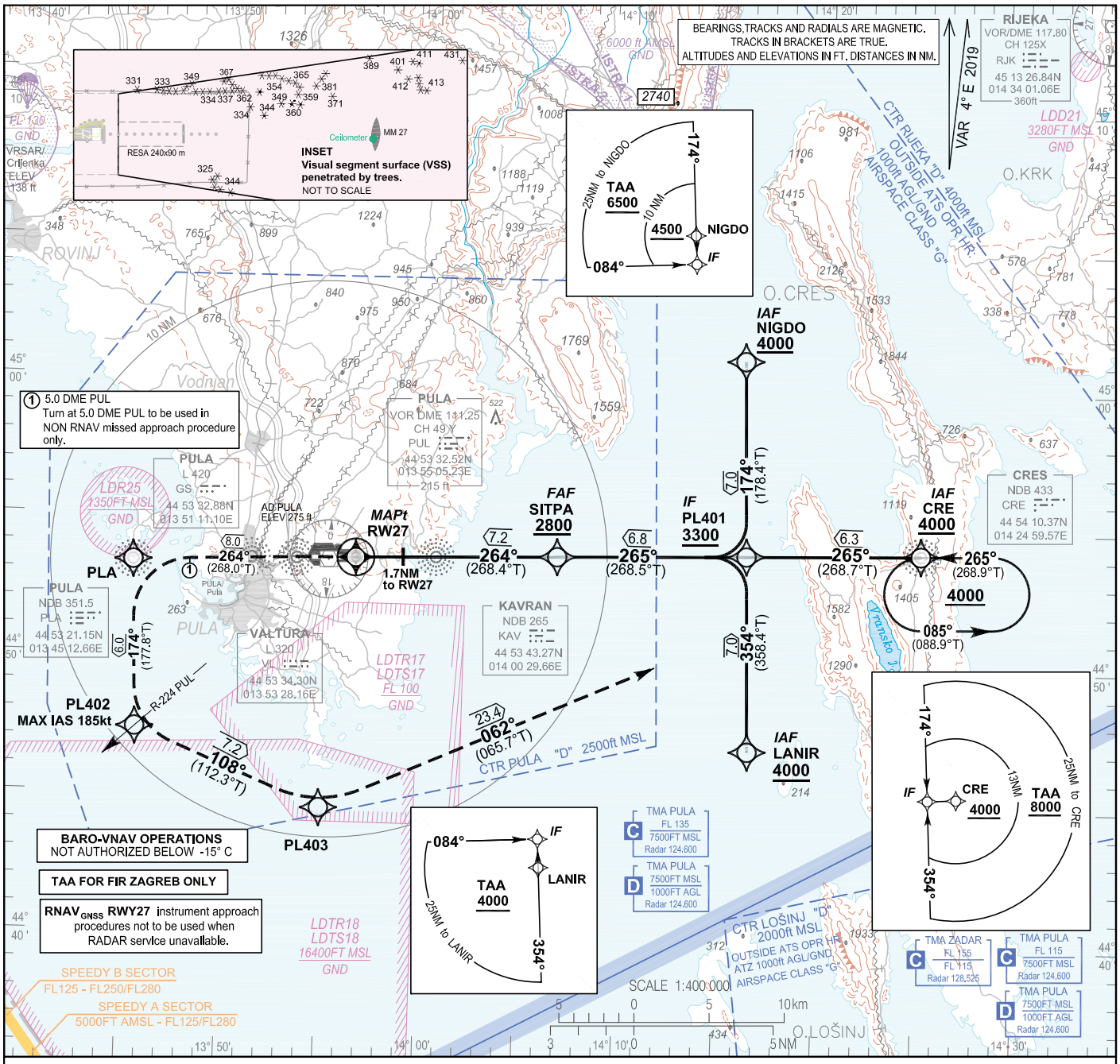
INSTRUMENT APPROACH CHART-ICAO

AD ELEV 275
HEIGHTS RELATED TO THR 27 ELEV 275

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

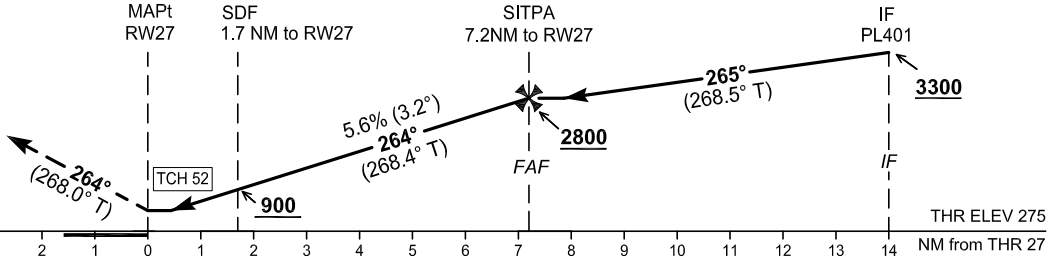
PULA / Pula
CROATIA
RNAV(GNSS) RWY 27



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

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

TRANSITION ALT 10 000



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

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

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

CHANGE: CRE HLDG pattern

PULA / Pula
CROATIA
RNAV(GNSS) RWY 27

Coding elements for FAS Data Block

Input data

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

Output data

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

Required Additional Data

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

CHANGE: CRE HLDG pattern

PULA / Pula
CROATIA
RNAV(GNSS) RWY 27

LDPL RNAV (GNSS) RWY27

Proposed tabular description for navigation database coding - APPROACH TRANSITION

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

Proposed tabular description for navigation database coding - FINAL TRANSITION

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

RNAV HOLDING tabular description

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

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

CHANGE: CRE HLDG pattern

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LDRI AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 5 within AD HR SER. Up to CAT 8, subject to actual daily schedule/non-schedule traffic or PPR sent within AD HR SER via: SITA: RJKAPXH E-mail: operations@rijeka-airport.hr Tel: +385 51 841235 Fax: +385 51 841236 PPR outside AD HR SER: Mobile phone: +385 99 2675581, +385 99 2146011, +385 99 2655655
2	Rescue equipment	1 heavy fire fighting vehicle VP 12500/1500 Simba-Rosenbauer, 12 500 L water, 1500L foam and 50 KG powder 1 heavy fire fighting vehicle Mercedes (Ziegler), 3000 L water, 300 L foam and 150 KG powder 1 heavy fire fighting vehicle Mercedes 2636 (Ziegler), 9000 L water, 1000 L foam and 250 KG powder
3	Capability for removal of disabled aircraft	On request; in cooperation with external companies.
4	Remarks	Nil

LDRI AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Types of clearing equipment	Nil
2	Clearance priorities	Nil
3	Remarks	Nil

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

1	Apron surface and strength	**SURFACE**		**STRENGTH**	
		CONC		PCN 45/R/A/X/T	
2	Taxiway width, surface and strength	**TWY**	**WIDTH (M)**	**SURFACE**	**STRENGTH**
		TWY A	20	CONC	PCN 45/R/A/X/T
		TWY B	20	CONC	PCN 45/R/A/X/T
3	ACL location and elevation	Location: At Apron Elevation: 278 FT			
4	VOR checkpoints	Nil			
5	INS checkpoints	See LDRI AD 2.24.2 APDC -1			
6	Remarks	Nil			

LDRI 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. Follow-me vehicle, Marshaller - obligatory guidance to/from parking stand from/to TWY A and B. Edge lights at Apron.Edge lights at Apron.
2	RWY and TWY markings and LGT	RWY-14/32: Designator, THR, Centre line, edges, TDZ, Runway turn pad marking TWY A Centre line, holding positions, edge lights, edge lights TWY B Centre line, holding positions, edge lights, edge lights
3	Stop bars	Nil
4	Remarks	Nil

LDRI AD 2.10 AERODROME OBSTACLES

RWY32 obstacle in Area 2: Frangible anemometer mast COORD 451236.83N 0143443.99E, ELEV 293FT (89M) AMSL. ICAO marked and lighted.
Other, LDRI AD 2.24.4 AOC RWY 14/32 -1

RWY14 obstacle in Area 3: Frangible anemometer mast COORD 451321.78N 0143345.06E, ELEV 308FT (94M) AMSL. ICAO marked and lighted.

LDRI AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	RIJEKA
2	Hours of service MET Office outside hours	During ATS operating hours PULA
3	Office responsible for TAF preparation Periods of validity	PULA, ZAGREB FT(24HR) - covering ATS operating hours
4	Trend Forecast Interval of issuance	Nil
5	Briefing/consultation provided	By tel.: +385 52 372521
6	Flight documentation Language(s) used	• Personally in MET Office or by fax (tel.: +385 51 654841) • Croatian, English
7	Charts and other information available for briefing or consultation	• diagnostic and prognostic surface and upper level charts • satellite images, lightning detection • meteograms
8	Supplementary equipment available for providing information	Telefax URL:http://met.crocontrol.hr
9	ATS units provided with information	Rijeka TWR, Pula APP
10	Additional information (limitation of service, etc.)	Nil

LDRI AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

LDRI AD 2.22 FLIGHT PROCEDURES

All instrument approach procedures (RWY14: ILS/LOC, VOR, L; and RWY32: VOR, Lz, Ly) and all standard instrument departures (RWY14 and RWY32) are suspended outside ATS hours of service.

SID RWY 14

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.
These SIDs require a minimum net climb gradient of 5.4% (328 FT/NM).
Assume standard net climb gradient after reaching 2000 FT.

SID RWY 14				
Designator	**Route**	**After take off**		**Remarks**
		Climb initially	**Contact**	
ALIVO3C	ALIVO THREE CHARLIE DEPARTURE Climb straight ahead. At 3300 FT, but not before RI L, turn RIGHT climbing to RJK VOR DME. At RJK VOR DME, proceed on R-018 RJK, climbing to ALIVO.			Cross RJK VOR DME at or above 7000 FT. Cross ALIVO at or above 8000 FT.
RUGOG 1C	RUGOG ONE CHARLIE DEPARTURE Climb straight ahead. AT 3300 FT, but not before RI L, turn RIGHT climbing to RJK VOR DME. At RJK VOR DME, turn RIGHT on R-080 RJK climbing to RUGOG.			Cross RJK VOR DME at or above 7000 FT. Cross 20.0 DME RJK at or above FL120.
CRE4H	CRES FOUR HOTEL DEPARTURE Climb straight ahead. At RI L turn RIGHT climbing on track 241°, intercept QDM 212° CRE to CRE NDB.			
PUL3R	PULA THREE ROMEO DEPARTURE Climb straight ahead. At RI L turn RIGHT climbing on track 301°, at R-207 RJK turn LEFT, intercept R-050 PUL, climbing to PUL VOR DME.			
NAKIT3C	NAKIT THREE CHARLIE DEPARTURE Climb straight ahead. At RI L turn RIGHT intercept QDR 285° RI, climbing to intercept R- 264 RJK to NAKIT.			

SID RWY 32

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 32				
Designator	**Route**	**After take off**		**Remarks**
		Climb initially	**Contact**	
ALIVO3D	ALIVO THREE DELTA DEPARTURE Climb gradient up to 1640 FT at least 5.0% (304 FT/NM). Climb straight ahead. At 1640 FT, but not before 4.5 DME RJK, turn LEFT climbing to RJK VOR DME. At RJK VOR DME, turn LEFT, intercept R-018 RJK, climbing to ALIVO.			Remain within 12.0 DME RJK during turn. Cross QDM 359° KO L at or above 4000 FT. Cross RJK VOR DME at or above 7000 FT. Cross ALIVO at or above 8000 FT.
RUGOG1D	RUGOG ONE DELTA DEPARTURE Climb gradient up to 1640 FT at least 5.0% (304 FT/NM). Climb straight ahead. At 1640 FT, but not before 4.5 DME RJK, turn LEFT climbing to RJK VOR DME. At RJK VOR DME, proceed climbing on R-080 RJK to RUGOG.			Remain within 12.0 DME RJK during turn. Cross QDM 359° KO L at or above 4000 FT. Cross RJK VOR DME at or above 7000 FT. Cross 20.0 DME RJK at or above FL120.
CRE4G	CRES FOUR GOLF DEPARTURE Climb gradient up to 1640 FT at least 5.0% (304 FT/NM). Avoid overflying LDD21. Climb straight ahead. At 1640 FT, turn LEFT, on track 149°, intercept QDM 179° CRE climbing to CRE NDB.			Remain within 12.0 DME RJK during turn.
PUL3L	PULA THREE LIMA DEPARTURE Climb gradient up to 1640 FT at least 5.0% (304 FT/NM).Avoid overflying LDD21. Climb straight ahead. At 1640 FT, turn LEFT on track 178°, at R-241 RJK turn RIGHT, intercept R-050 PUL climbing to PUL VOR DME.			Remain within 12.0 DME RJK during turn.
NAKIT3D	NAKIT THREE DELTA DEPARTURE Climb gradient up to 5000 FT at least 5.0%(304 FT/NM).Avoid overflying LDD21. Climb straight ahead. At 1640 FT, turn LEFT on track 178° climbing to intercept R-264 RJK to NAKIT.			Remain within 12.0 DME RJK during turn.

STAR RWY 14/32

STAR RWY 14/32				
Designator	**Route**	**Descend**	**Contact**	**Remarks**
KULEN4A	**KULEN FOUR ALPHA ARRIVAL** From KULEN proceed on QDM 291° BRZ (MNM ALT 7100 FT). After crossing R-023 RJK proceed on QDM 291° BRZ to BRZ NDB (MNM ALT 7000 FT) and hold.	As cleared by ATC		
KULEN3B	**KULEN THREE BRAVO ARRIVAL** From KULEN proceed on QDM 262° RI to RI L (MNM ALT 7000 FT) and hold.	As cleared by ATC		
CRE4B	**CRES FOUR BRAVO ARRIVAL** From CRE NDB proceed on QDM 031° RI to RI L (MNM ALT 6000 FT) and hold.	As cleared by ATC		
CRE4K	**CRES FOUR KILO ARRIVAL** From CRE NDB proceed on QDM 031° RI to RI L (MNM ALT 7000 FT). At RI L turn LEFT to intercept and follow QDM 319° BRZ to BRZ NDB (MNM ALT 7000 FT) and hold.	As cleared by ATC		See BRZ NDB HLDG entry instructions on chart STAR RWY14/32.
PUL3B	**PULA THREE BRAVO ARRIVAL** From PUL VOR DME proceed on R-061 PUL (MNM ALT 6000 FT). At midpoint change over to RI L and proceed on QDM 061° RI to RI L (MNM ALT 6000 FT) and hold.	As cleared by ATC		
PUL3A	**PULA THREE ALPHA ARRIVAL** From PUL VOR DME intercept and follow QDM 025° BRZ to BRZ NDB (MNM ALT 7000 FT) and hold.	As cleared by ATC		
GIRDA1G	**GIRDA ONE GOLF ARRIVAL** From GIRDA proceed on QDM 105° BRZ to BRZ NDB (MNM ALT 7000 FT) and hold.	As cleared by ATC		
GIRDA1H	**GIRDA ONE HOTEL ARRIVAL** From GIRDA proceed on QDM 105° BRZ to BRZ NDB (MNM ALT 7000 FT). At BRZ NDB turn right to intercept QDM 139° RI to RI L (MNM ALT 6000 FT) and hold.	As cleared by ATC		

Instrument Approach Chart (IAC) RWY 14

Caution note for ILS or LOC RWY 14, VOR RWY 14, L RWY 14:

Obstacle clearance calculation of the missed approach procedure is based on an all-engines operative minimum net climb gradient of 2.5 % (152 FT/NM) until BRZ NDB.
Pilot pre-flight planning must consider a higher missed approach climb performances appropriate to the intended flight to reach BRZ NDB HLDG at 7000 FT AMSL.

Instrument Approach Chart (IAC) RWY 32

Caution note for VOR RWY 32, Lz RWY 32, Ly RWY 32:

Obstacle clearance calculation of the missed approach procedure is based on an all-engines operative minimum net climb gradient of 2.5 % (152 FT/NM) until RI L.
Pilot pre-flight planning must consider a higher missed approach climb performances appropriate to the intended flight to reach RI L HLDG at 6000 FT AMSL.

Backup device on TWR in case of a complete communication failure

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

LDRI AD 2.23 ADDITIONAL INFORMATION

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

LDRI AD 2.24 CHARTS RELATED TO AN AERODROME

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

Remark: All instrument approach procedures (RWY14: ILS/LOC, VOR, L; and RWY32: VOR, Lz, Ly) and all standard instrument departures (RWY14 and RWY32) are suspended outside ATS hours of service.

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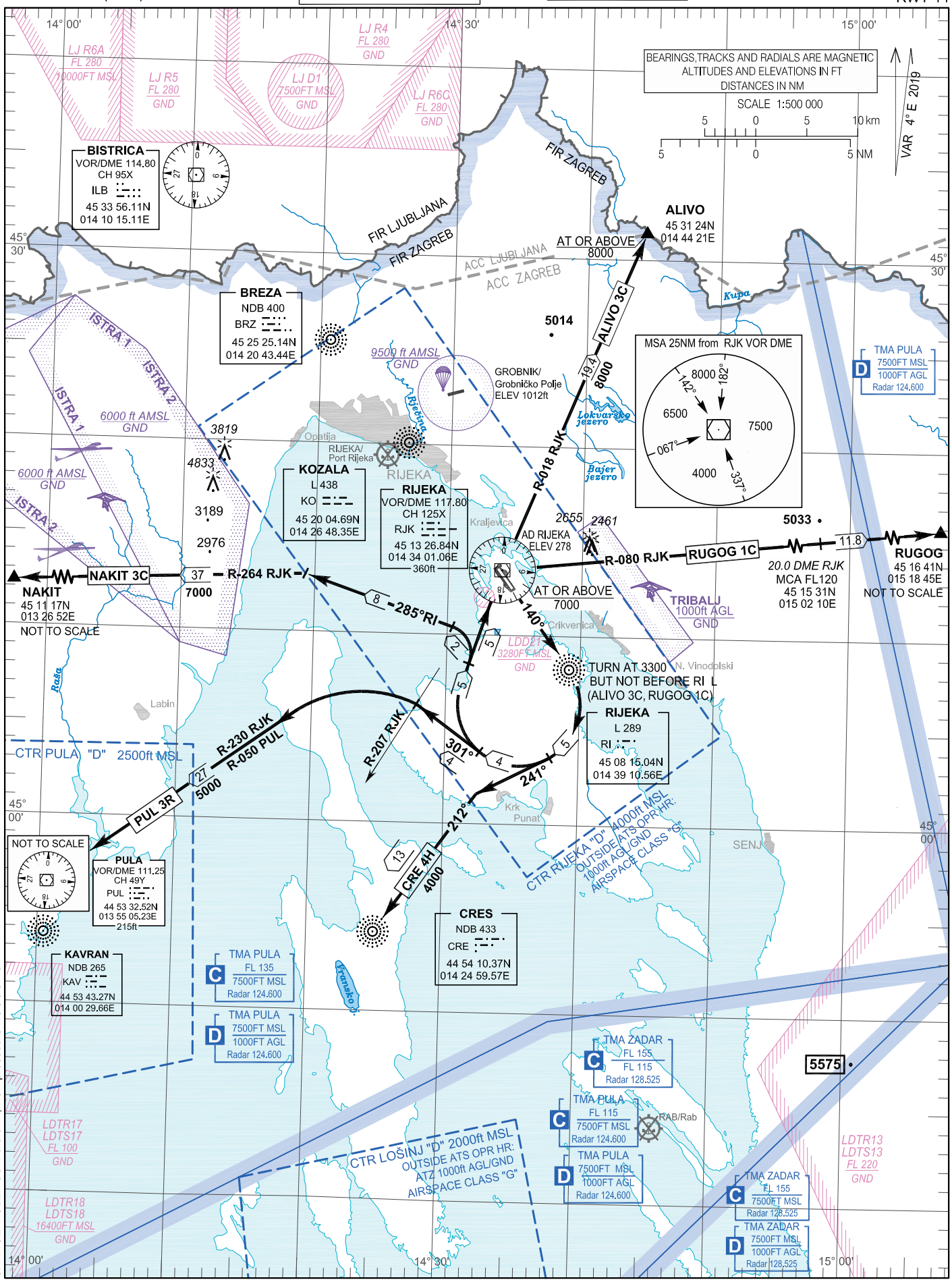
STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

RIJEKA TOWER	119.000
PULA RADAR	124.600

RIJEKA / Krk I.
CROATIA
RWY 14



CHANGE: KULEN 3C withdrawn; New procedure RUGOG 1C.

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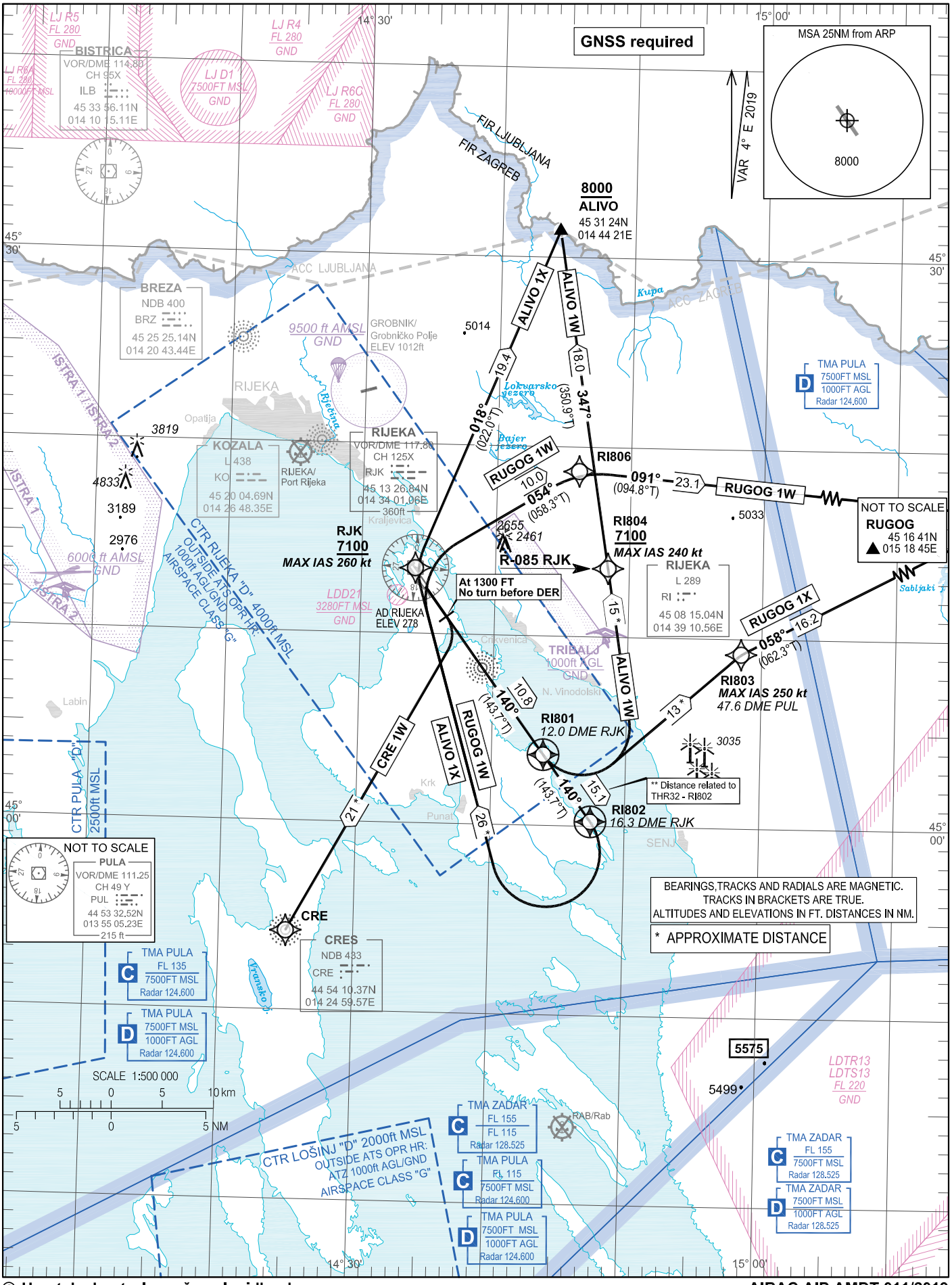
STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE 10 000

RIJEKA TOWER	119.000
PULA RADAR	124.600

RIJEKA / Krk I.
CROATIA
RNAV RWY 14



CHANGE:New chart

RIJEKA / Krk I.
CROATIA
RNAV RWY 14

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

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID CRE 1W only:
Climb straight ahead. At 1300 FT AMSL turn RIGHT climbing to CRE NDB. On passing 3500 FT AMSL proceed via RNAV SID CRE 1W or according to ATC instruction. No turn before DER.

LDRI RNAV STANDARD INSTRUMENT DEPARTURE RWY 14

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	CRE 1W	CA	-	-	140° (143.7°T)	4.00°E	-	-	@1300	-	No turn before DER	RNAV 1
020		DF	CRE	-	-	4.00°E	-	R	-	-		

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID ALIVO 1X only:
Climb straight ahead to RI L. After RI L proceed climbing on bearing QDR 140° RI L to 16.3 DME RJK. At 16.3 DME RJK turn RIGHT climbing to RJK VOR DME. Cross RJK VOR DME at or above 7100 FT AMSL. On passing 7100 FT AMSL proceed via RNAV SID ALIVO 1X or according to ATC instruction. MAX IAS 260 kt. MNM PDG 3.4% (207 FT/NM) to 3000 FT AMSL.

LDRI RNAV STANDARD INSTRUMENT DEPARTURE RWY 14

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	ALIVO 1X	CF	RI802	Y	140° (143.7°T)	4.00°E	15.1	-	-	-	MNM PDG 3.4% (207 FT/NM) to 3000 FT AMSL	RNAV 1
020		DF	RJK	-	-	4.00°E	-	R	+7100	-260		
030		TF	ALIVO	-	018° (022.0°T)	4.00°E	19.4	-	+8000	-		

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID RUGOG 1W only:
Climb straight ahead to RI L. After RI L proceed climbing on bearing QDR 140° RI L to 16.3 DME RJK. At 16.3 DME RJK turn RIGHT climbing to RJK VOR DME. Cross RJK VOR DME at or above 7100FT AMSL. On passing 7100 FT AMSL proceed via RNAV SID RUGOG 1W or according to ATC instruction. MAX IAS 260 kt. MNM PDG 3.6% (219 FT/NM) to 6000 FT AMSL.

LDRI RNAV STANDARD INSTRUMENT DEPARTURE RWY 14

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	RUGOG 1W	CF	RI802	Y	140° (143.7°T)	4.00°E	15.1	-	-	-	MNM PDG 3.6% (219 FT/NM) to 6000 FT AMSL	RNAV 1
020		DF	RJK	-	-	4.00°E	-	R	+7100	-260		
030		TF	RI806	-	054° (058.3°T)	4.00°E	10.0	-	-	-		
040		TF	RUGOG	-	091° (094.8°T)	4.00°E	23.1	-	-	-		

CHANGE: New chart

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID ALIVO 1W only:
Climb straight ahead to RI L. After RI L proceed climbing on bearing QDR 140° RI L to 12.0 DME RJK. At 12.0 DME RJK turn LEFT climbing on track 347°. Cross R-085 RJK at or above 7100 FT AMSL. On passing 7100 FT AMSL proceed via RNAV SID ALIVO 1W or according to ATC instruction. MAX IAS 240 kt. MNM PDG 6.0% (365 FT/NM) to 7100 FT AMSL.

LDRI RNAV STANDARD INSTRUMENT DEPARTURE RWY 14

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	ALIVO 1W	CF	RI801	Y	140° (143.7°T)	4.00°E	10.8	-	-	-	MNM PDG 6.0% (365 FT/NM) to 7100 FT AMSL	RNAV 1
020		DF	RI804	-	-	4.00°E	-	L	+7100	-240		
030		TF	ALIVO	-	347° (350.9°T)	4.00°E	18.0	-	+8000	-		

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID RUGOG 1X only:
Climb straight ahead to 12.0 DME RJK. At 12.0 DME RJK turn LEFT climbing to intercept and follow bearing QDR 054° CRE NDB climbing to 47.6 DME PUL. On passing 7100 FT AMSL proceed via RNAV SID RUGOG 1X or according to ATC instruction. MAX IAS 250 kt. MNM PDG 6.0% (365 FT/NM) to 7100 FT AMSL.

LDRI RNAV STANDARD INSTRUMENT DEPARTURE RWY 14

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	RUGOG 1X	CF	RI801	Y	140° (143.7°T)	4.00°E	10.8	-	-	-	MNM PDG 6.0% (365 FT/NM) to 7100 FT AMSL	RNAV 1
020		DF	RI803	-	-	4.00°E	-	L	-	-250		
030		TF	RUGOG	-	058° (062.3°T)	4.00°E	16.2	-	-	-		

Waypoint name	WGS-84 latitude	WGS-84 longitude
ALIVO	453124N	0144421E
RUGOG	451641.4N	0151844.6E
CRE	445410.37N	0142459.57E
RJK	451326.84N	0143401.06E
RI801	450343.9N	0144351.1E
RI802	450014.3N	0144727.2E
RI803	450911.6N	0145828.0E
RI804	451336.8N	0144824.4E
RI806	451842.8N	0144607.1E

CHANGE: New chart

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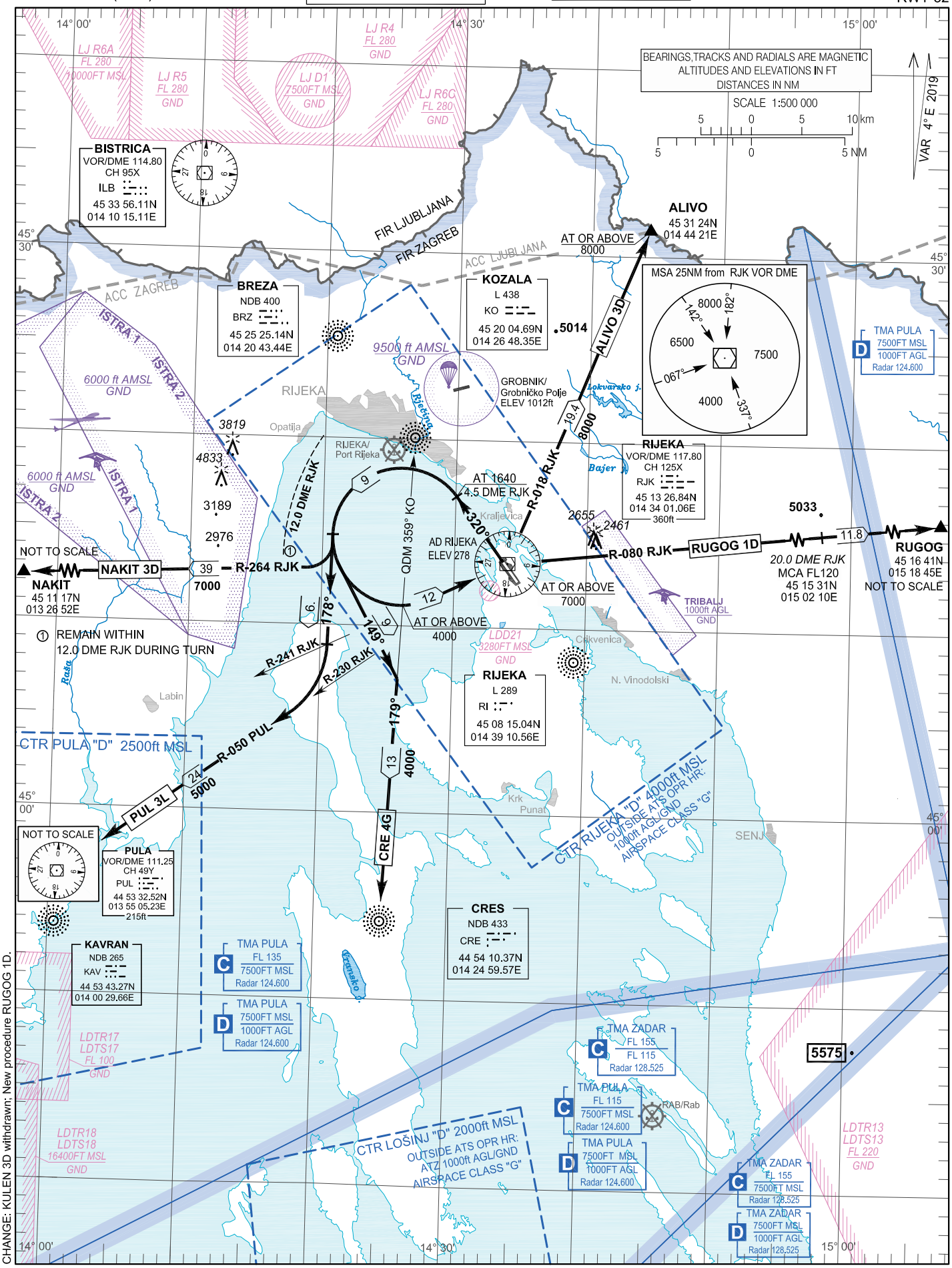
STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

RIJEKA TOWER	119.000
PULA RADAR	124.600

RIJEKA / Krk I.
CROATIA
RWY 32



CHANGE: KULEN 3D withdrawn; New procedure RUGOG 1D.

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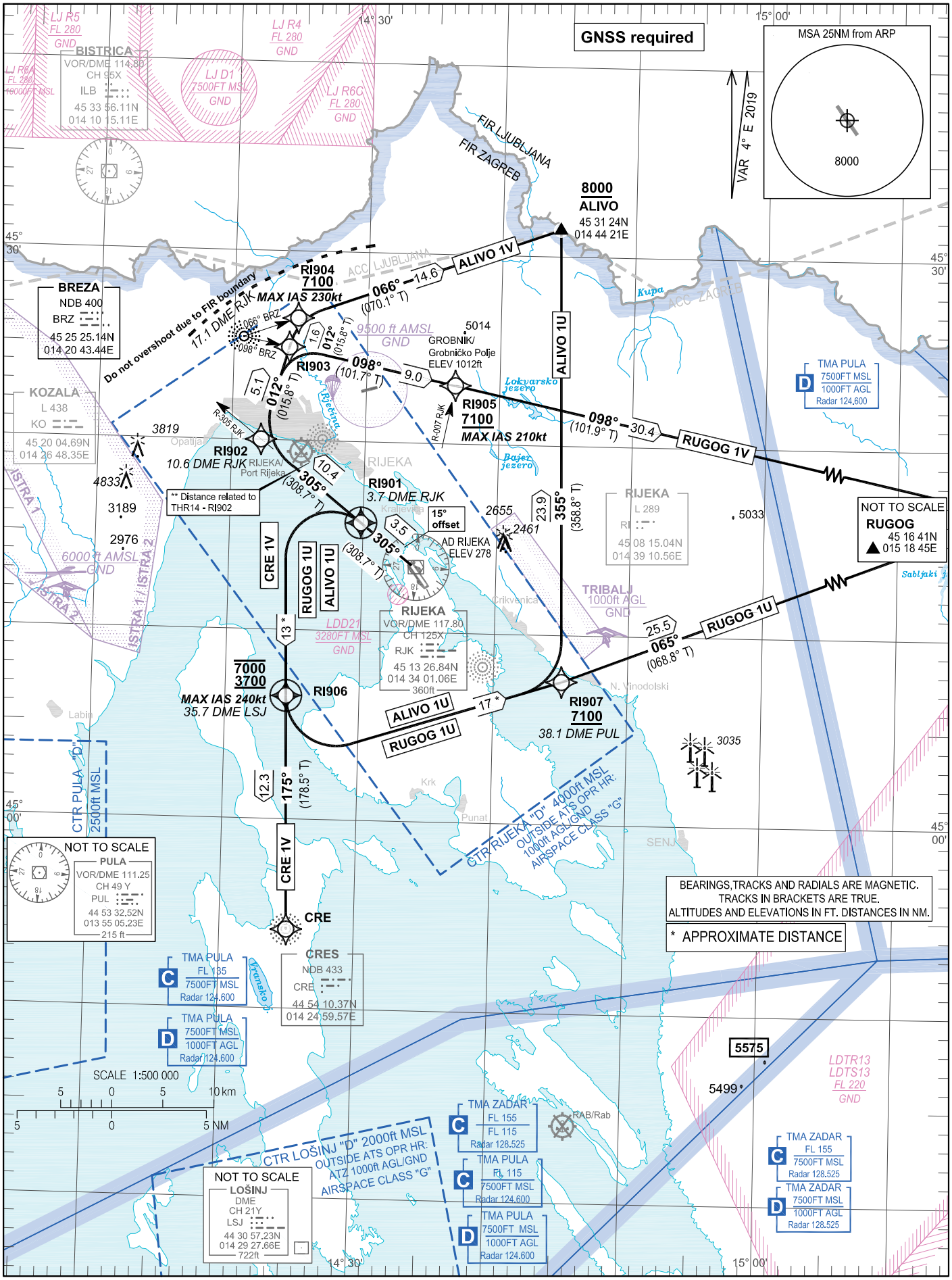
STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE 10 000

RIJEKA TOWER	119.000
PULA RADAR	124.600

RIJEKA / Krk I.
CROATIA
RNAV RWY 32



RIJEKA / Krk I.
CROATIA
RNAV RWY 32

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

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID CRE 1V only:
Climb on track 305°. At 3.7 DME RJK turn LEFT climbing to intercept and follow QDM 175° CRE NDB to 35.7 DME LSJ. Cross 35.7 DME LSJ at or above 3700 FT AMSL, but at or below 7000 FT AMSL. After crossing 35.7 DME LSJ proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction. MAX IAS 240 kt. MNM PDG 4.0% (243 FT/NM) until 35.7 DME LSJ.

LDRI RNAV STANDARD INSTRUMENT DEPARTURE RWY 32

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	CRE 1V	CF	RI901	Y	305° (308.7°T)	4.00°E	3.5	-	-	-	(1) MNM PDG 4.0% (243 FT/NM) until RI906	RNAV 1
020		DF	RI906	Y	-	4.00°E	-	L	-7000 +3700	-240	(2) Initial DEP track 15° offset of the RWY C/L.	
030		TF	CRE	-	175° (178.5°T)	4.00°E	12.3	-	-	-		

WARNING:Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SIDs ALIVO 1U and RUGOG 1U only:
Climb on track 305°. At 3.7 DME RJK turn LEFT climbing to intercept and follow QDM 175° CRE NDB to 35.7 DME LSJ. Cross 35.7 DME at or above 3700 FT AMSL, but at or below 7000 FT AMSL. After crossing 35.7 DME LSJ proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction. MAX IAS 240 kt. MNM PDG 4.2% (255 FT/NM) to 7100 FT AMSL.

LDRI RNAV STANDARD INSTRUMENT DEPARTURE RWY 32

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	ALIVO 1U	CF	RI901	Y	305° (308.7°T)	4.00°E	3.5	-	-	-	(1) MNM PDG 4.2% (255 FT/NM) to 7100 FT AMSL	RNAV 1
020		DF	RI906	Y	-	4.00°E	-	L	-7000 +3700	-240	(2) Initial DEP track 15° offset of the RWY C/L.	
030		DF	RI907	-	-	4.00°E	-	L	+7100			
040		TF	ALIVO	-	355° (358.8° T)	4.00°E	23.9	L	+8000	-		
010	RUGOG 1U	CF	RI901	Y	305° (308.7°T)	4.00°E	3.5	-	-	-	(1) MNM PDG 4.2% (255 FT/NM) to 7100 FT AMSL	RNAV 1
020		DF	RI906	Y	-	4.00°E	-	L	-7000 +3700	-240	(2) Initial DEP track 15° offset of the RWY C/L.	
030		DF	RI907	-	-	4.00°E	-	L	+7100			
040		TF	RUGOG	-	065° (068.8° T)	4.00°E	25.5	-	-	-		

CHANGE: New chart

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

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

LDRI RNAV STANDARD INSTRUMENT DEPARTURE RWY 32

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	ALIVO 1V	CF	RI902	-	305° (308.7°T)	4.00°E	10.4	-	-	-	(1) MNM PDG 6.8% (413 FT/NM) to 7100FT AMSL. (2) Initial DEP track 15° offset of the RWY C/L.	RNAV 1
020		TF	RI904	-	012° (015.8°T)	4.00°E	6.7	-	+7100	-230		
030		TF	ALIVO	-	066° (070.1°T)	4.00°E	14.6	-	+8000	-		

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

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

LDRI RNAV STANDARD INSTRUMENT DEPARTURE RWY 32

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	RUGOG 1V	CF	RI902	-	305° (308.7°T)	4.00°E	10.4	-	-	-	(1) MNM PDG 6.6% (401 FT/NM) to 7100 FT AMSL (2) Initial DEP track 15° offset of the RWY C/L.	RNAV 1
020		TF	RI903	-	012° (015.8°T)	4.00°E	5.1	-	-	-		
030		TF	RI905	-	098° (101.7°T)	4.00°E	9.0	-	+7100	-210		
040		TF	RUGOG	-	098° (101.9°T)	4.00°E	30.4	-	-	-		

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

CHANGE: New chart

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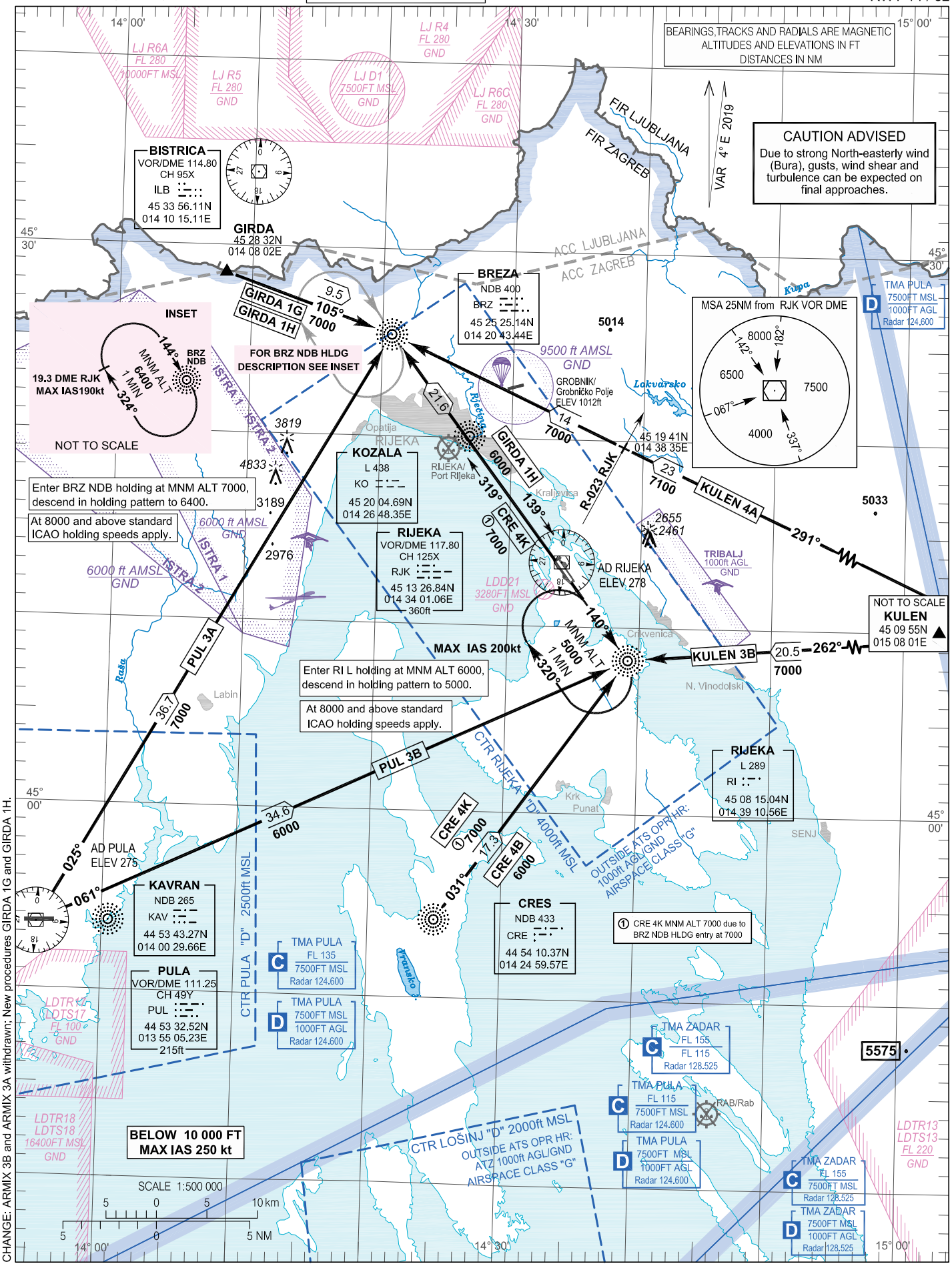
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

PULA RADAR	124.600
RIJEKA TOWER	119.000

RIJEKA / Krk I.
CROATIA
RWY 14 / 32



CHANGE: ARMIX 3B and ARMIX 3A withdrawn; New procedures GIRDA 1G and GIRDA 1H.

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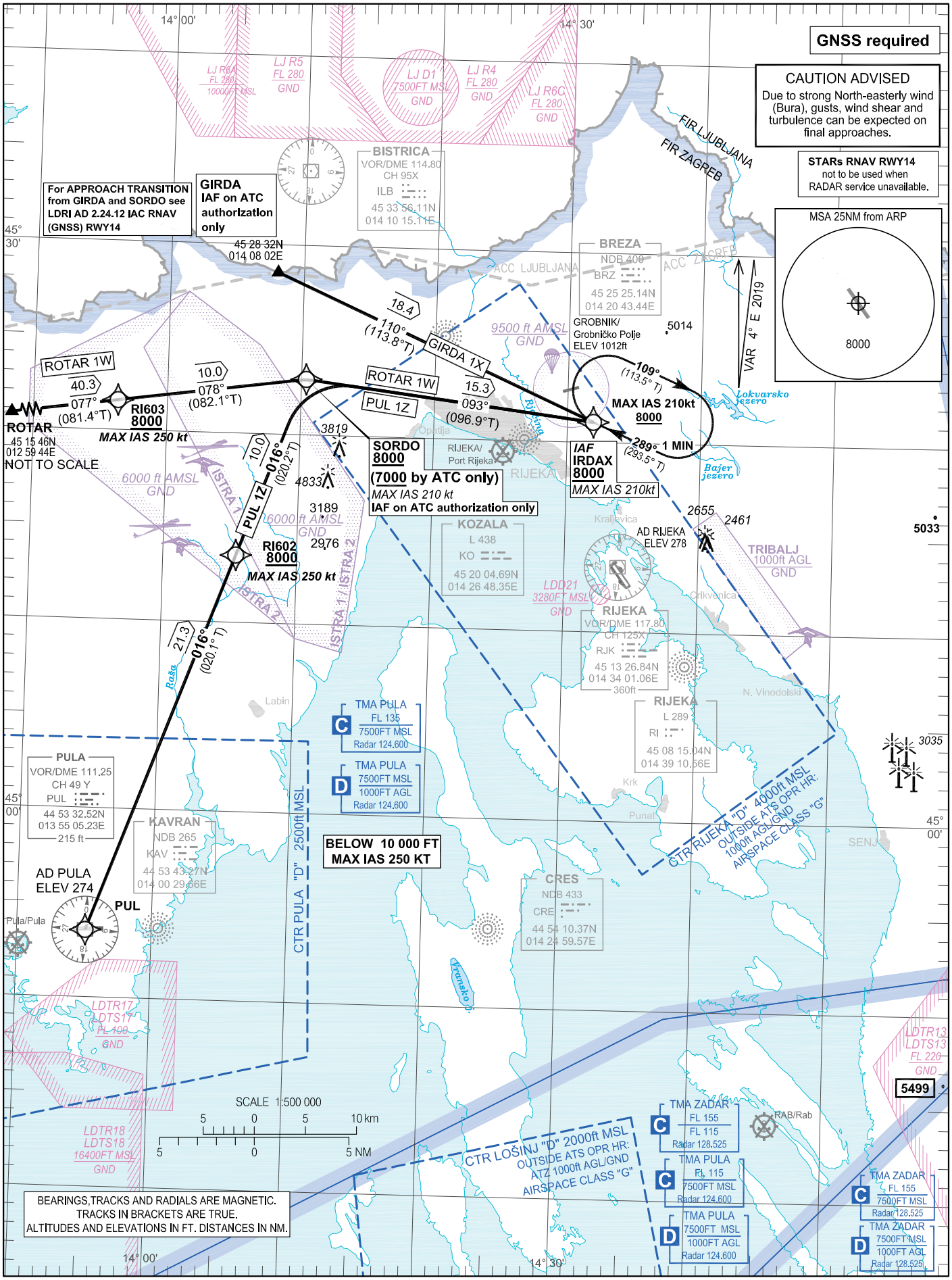
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

PULA RADAR	124.600
RIJEKA TOWER	119.000

RIJEKA / Krk I.
CROATIA
RNAV RWY 14



RIJEKA / Krk I.
CROATIA
RNAV RWY 14

LDRI RNAV STANDARD ARRIVAL RWY 14

Proposed tabular description for navigation database coding

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

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

RNAV HOLDING tabular description

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

Waypoint coordinates

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

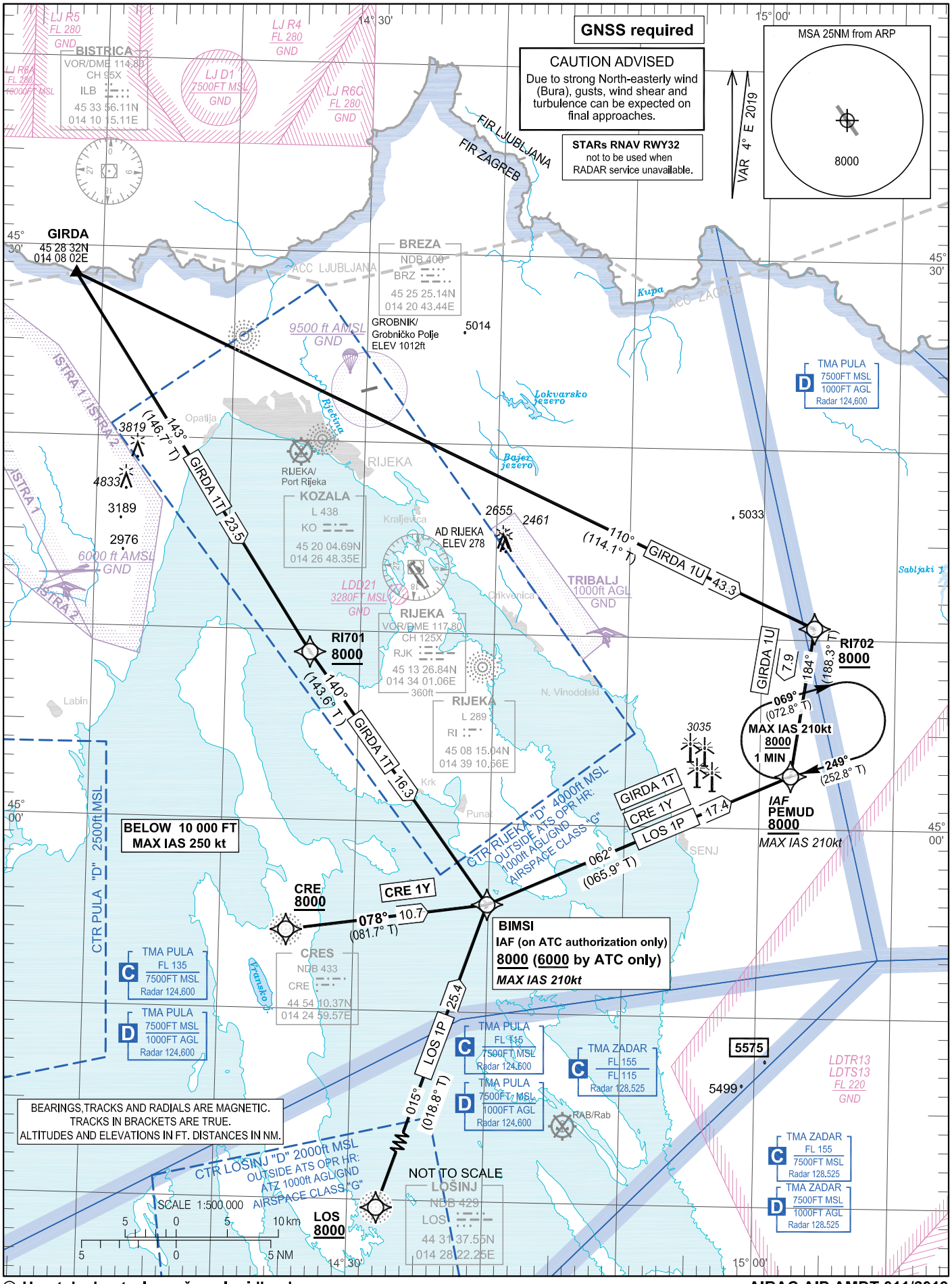
CHANGE: New chart

STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

PULA RADAR	124.600
RIJEKA TOWER	119.000

RIJEKA / Krk I.
CROATIA
RNAV RWY 32



CHANGE:New chart

RIJEKA / Krk I.
CROATIA
RNAV RWY 32

LDRI RNAV STANDARD ARRIVAL RWY 32

Proposed tabular description for navigation database coding

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

IAF on ATC authorization only: For APPROACH TRANSITION from BIMSI see LDRI AD 2.24.12 IAC RNAV (GNSS) RWY 32

RNAV HOLDING tabular description

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

Waypoint coordinates

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

CHANGE: New chart

LDSB AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 6 See Remarks
2	Rescue equipment	1 Heavy fire fighting vehicle Mercedes 1632 - 7 000 L 1 Fire fighting vehicle Mercedes 1328 - 3 000 L 1 Fire fighting vehicle Mercedes 2362 - 7000 L
3	Capability for removal of disabled aircraft	Nil
4	Remarks	AD category for fire fighting during AD HR SER, summer time: MON - FRI and SUN: CAT 3 TUE: 1000 - 1300 CAT 6 SAT: CAT 6 AD category for fire fighting during AD HR SER, winter time: MON - SUN: CAT 3 Higher fire fighting category (MAX CAT 6) O/R 24 HR PPR sent during AD HR SER.

LDSB AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Types of clearing equipment	Nil
2	Clearance priorities	Nil
3	Remarks	Nil

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

1	Apron surface and strength	**SURFACE**		**STRENGTH**	
		ASPH		PCN 37/F/B/X/T	
2	Taxiway width, surface and strength	**TWY**	**WIDTH (M)**	**SURFACE**	**STRENGTH**
		A	25.3	ASPH	PCN 37/F/B/X/T
3	ACL location and elevation	Location: 431717.01N 0164046.66E Elevation: 1735 FT			
4	VOR checkpoints	Nil			
5	INS checkpoints	See LDSB AD 2.24.2 APDC -1			
6	Remarks	Nil			

LDSB 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, Marshaller, aircraft stand markings, "Follow me" vehicle.
2	RWY and TWY markings and LGT	RWY-04/22: Designator, THR, Centre line, Edge, TDZ, Aiming point markings, Runway turn pad marking TWY A: Centre line, Holding position
3	Stop bars	Nil
4	Remarks	THR 04 RWY turn pad restriction: 180° turn not possible for ACFT wheel base more than 15.6 M, for ACFT wheel base more than 11.04 M turning angle more than 45°. PSNs 1-3 are self manoeuvring. When one ACFT is taxiing, taxiing for other ACFT is prohibited. TWR directions and marshaller guidance shall be followed for entering/exiting from any of ACFT PSNs and for ground taxiing or air taxiing of helicopters.

LDSB AD 2.10 AERODROME OBSTACLES

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

Obstacles in area 3: Nil

LDSB AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	BRAČ
2	Hours of service MET Office outside hours	During ATS operating hours SPLIT
3	Office responsible for TAF preparation Periods of validity	SPLIT, DUBROVNIK, ZADAR, ZAGREB FT(24HR) - covering ATS operating hours
4	Trend Forecast Interval of issuance	Nil
5	Briefing/consultation provided	By tel.: +385 1 6259224
6	Flight documentation Language(s) used	• Personally in MET Office or by fax (tel.: +385 21 205452) • Croatian, English
7	Charts and other information available for briefing or consultation	• diagnostic and prognostic surface and upper level charts • meteograms
8	Supplementary equipment available for providing information	Telefax URL:http://met.crocontrol.hr
9	ATS units provided with information	Brac TWR, Split APP
10	Additional information (limitation of service, etc.)	Nil

LDSP AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	SPLIT
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	SPLIT, ZADAR, DUBROVNIK, ZAGREB FT (24HR)
4	Trend Forecast Interval of issuance	TREND Continuous issuance during AD HR SER and 2 hours before AD HR SER
5	Briefing/consultation provided	Personally in MET Office or by tel.: +385 1 6259224
6	Flight documentation Language(s) used	• Personally in MET Office or by fax (tel.: +385 21 205452) • Croatian, English
7	Charts and other information available for briefing or consultation	• diagnostic and prognostic surface and upper level charts • satellite images, lightning detection • meteograms
8	Supplementary equipment available for providing information	Telefax URL:http://met.crocontrol.hr
9	ATS units provided with information	Split TWR, Split APP
10	Additional information (limitation of service, etc.)	Nil

LDSP AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY (M)	Strength (PCN) and surface of RWY and SWY	THR COORD RWY end COORD THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
05	052.57°	2550 x 45	210 M, CONC, PCN 49/R/A/W/T 2340 M, ASPH, PCN 49/R/A/W/T	433155.39N 0161708.10E Nil 139 FT	THR 70 FT TDZ 78 FT
23	232.59°			433242.33N 0161832.44E Nil 139 FT	THR 50 FT TDZ 58 FT

Designations RWY NR	Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
1	7	8	9	10	11	12
05	Slope of RWY 05/23: 0%	Nil	Nil	2670 x 130	Nil	RESA: Length: 240 M Width: 90 M Surface: ASPH + grass Shoulders surface: GRASS, width: 7.5 M
23		Nil	Nil		Nil	RESA: Length: 20 M Width: 90 M Surface: grass Shoulders surface: GRASS, width: 7.5 M

LDSP AD 2.13 DECLARED DISTANCES

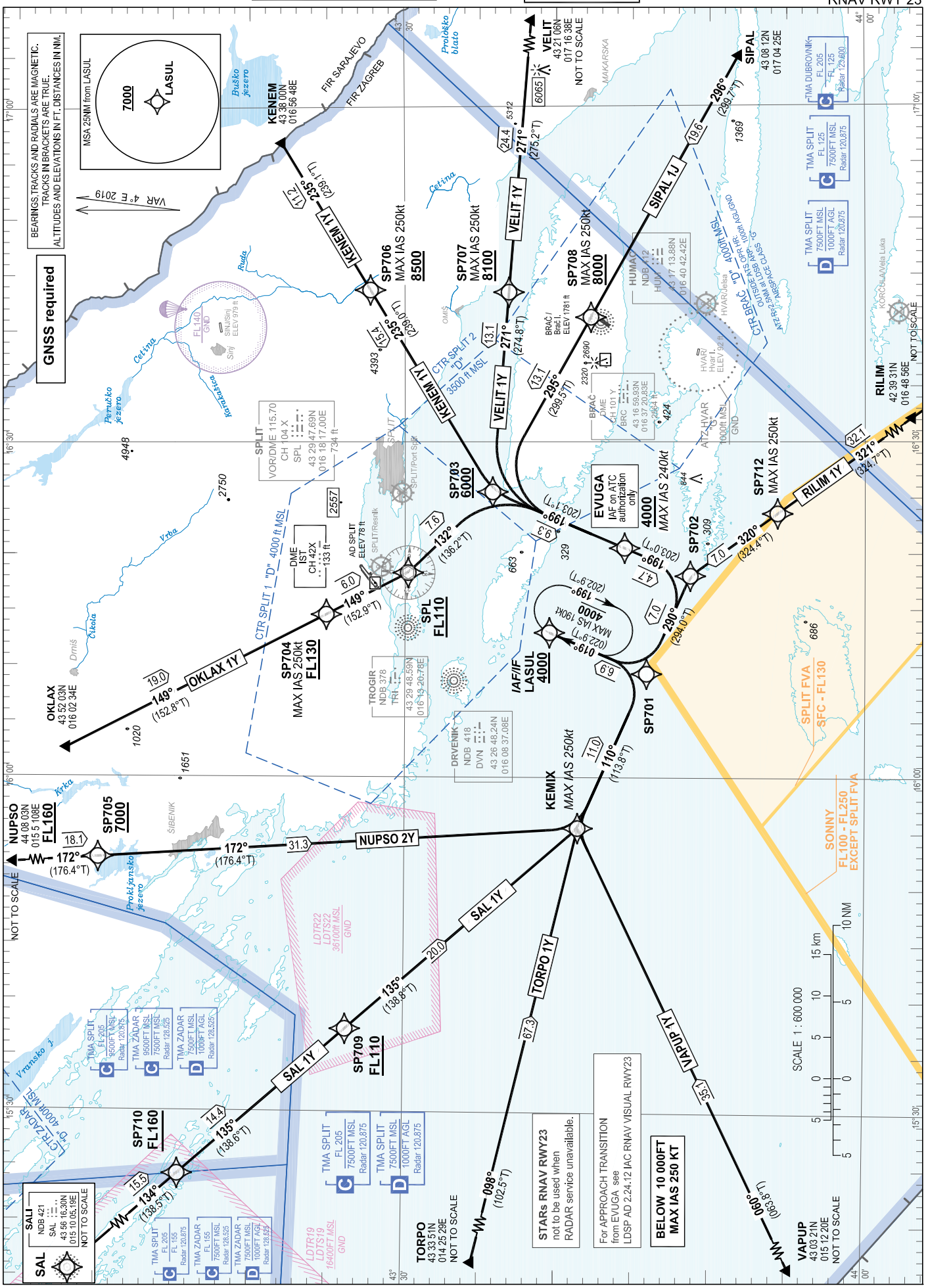
RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
05	2550	2550	2550	2550	Nil
	1635	1635	1635	Nil	Intersection TWY A
23	2550	2550	2550	2390	THR 23 displaced 160 M
	1580	1580	1580	Nil	Intersection TWY B

STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

SPLIT ATIS	125.300
SPLIT RADAR	120.875
SPLIT TOWER	124.675

SPLIT / Kaštela
CROATIA
RNAV RWY 23



SPLIT/ Kaštela
CROATIA
RNAV RWY 23

LDSP RNAV STANDARD ARRIVAL RWY 23

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SAL 1Y	IF	SAL	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	SP710	-	134° (138.5°T)	4.00°E	15.5	-	+FL160	-	-	
030		TF	SP709	-	135° (138.6°T)	4.00°E	14.4	-	+FL110	-	-	
040		TF	KEMIX	-	135° (138.8°T)	4.00°E	20.0	-	-	-250	-	
050		TF	SP701	-	110° (113.8°T)	4.00°E	11.0	-	-	-	-	
060		TF	LASUL	-	019° (022.9°T)	4.00°E	6.9	L	+4000	-	IAF/IF	
010	NUPSO 2Y	IF	NUPSO	-	-	4.00°E	-	-	+FL160	-	-	RNAV 1
020		TF	SP705	-	172° (176.4°T)	4.00°E	18.1	-	+7000	-	-	
030		TF	KEMIX	-	172° (176.4°T)	4.00°E	31.3	-	-	-250	-	
040		TF	SP701	-	110° (113.8°T)	4.00°E	11.0	-	-	-	-	
050		TF	LASUL	-	019° (022.9°T)	4.00°E	6.9	L	+4000	-	IAF/IF	
010	OKLAX 1Y	IF	OKLAX	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	SP704	-	149° (152.8°T)	4.00°E	19.0	-	+FL130	-250	-	
030		TF	SPL	-	149° (152.9°T)	4.00°E	6.0	-	+FL110	-	-	
040		TF	SP703	-	132° (136.2°T)	4.00°E	7.6	-	+6000	-	-	
050		TF	EVUGA	-	199° (203.1°T)	4.00°E	9.3	-	+4000	-240	IAF on ATC authorization only	
060		TF	SP702	-	199° (203.0°T)	4.00°E	4.7	-	-	-	-	
070		TF	SP701	-	290° (294.0°T)	4.00°E	7.0	-	-	-	-	
080		TF	LASUL	-	019° (022.9°T)	4.00°E	6.9	-	+4000	-	IAF/IF	

Change: Altitude restriction on WPT NUPSO; SIPAL 1V renamed to SIPAL 1J

LDSP RNAV STANDARD ARRIVAL RWY 23

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	KENEM 1Y	IF	KENEM	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	SP706	-	235° (239.1°T)	4.00°E	11.2	-	+8500	-250	-	
030		TF	SP703	-	235° (239.0°T)	4.00°E	15.4	-	+6000	-	-	
040		TF	EVUGA	-	199° (203.1°T)	4.00°E	9.3	-	+4000	-240	IAF on ATC authorization only	
050		TF	SP702	-	199° (203.0°T)	4.00°E	4.7	-	-	-	-	
060		TF	SP701	-	290° (294.0°T)	4.00°E	7.0	-	-	-	-	
070		TF	LASUL	-	019° (022.9°T)	4.00°E	6.9	-	+4000	-	IAF/IF	
010	VELIT 1Y	IF	VELIT	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	SP707	-	271° (275.2°T)	4.00°E	24.4	-	+8100	-250	-	
030		TF	SP703	-	271° (274.8°T)	4.00°E	13.1	-	+6000	-	-	
040		TF	EVUGA	-	199° (203.1°T)	4.00°E	9.3	-	+4000	-240	IAF on ATC authorization only	
050		TF	SP702	-	199° (203.0°T)	4.00°E	4.7	-	-	-	-	
060		TF	SP701	-	290° (294.0°T)	4.00°E	7.0	-	-	-	-	
070		TF	LASUL	-	019° (022.9°T)	4.00°E	6.9	-	+4000	-	IAF/IF	
010	SIPAL 1J	IF	SIPAL	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	SP708	-	296° (299.7°T)	4.00°E	19.6	-	+8000	-250	-	
030		TF	SP703	-	295° (299.5°T)	4.00°E	13.1	-	+6000	-	-	
040		TF	EVUGA	-	199° (203.1°T)	4.00°E	9.3	L	+4000	-240	IAF on ATC authorization only	
050		TF	SP702	-	199° (203.0°T)	4.00°E	4.7	-	-	-	-	
060		TF	SP701	-	290° (294.0°T)	4.00°E	7.0	-	-	-	-	
070		TF	LASUL	-	019° (022.9°T)	4.00°E	6.9	-	+4000	-	IAF/IF	

Change: Altitude restriction on WPT NUPSO; SIPAL 1V renamed to SIPAL 1J

SPLIT/ Kaštela
CROATIA
RNAV RWY 23

LDSP RNAV STANDARD ARRIVAL RWY 23

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	RILIM 1Y	IF	RILIM	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	SP712	-	321° (324.7°T)	4.00°E	32.1	-	-	-250	-	
030		TF	SP702	-	320° (324.4°T)	4.00°E	7.0	-	-	-	-	
040		TF	SP701	-	290° (294.0°T)	4.00°E	7.0	-	-	-	-	
050		TF	LASUL	-	019° (022.9°T)	4.00°E	6.9	-	+4000	-	IAF/IF	
010	VAPUP 1Y	IF	VAPUP	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	KEMIX	-	060° (063.8°T)	4.00°E	35.1	-	-	-250	-	
030		TF	SP701	-	110° (113.8°T)	4.00°E	11.0	-	-	-	-	
040		TF	LASUL	-	019° (022.9°T)	4.00°E	6.9	L	+4000	-	IAF/IF	
010	TORPO 1Y	IF	TORPO	-	-	4.00°E	-	-	-	-	-	RNAV 1
020		TF	KEMIX	-	098° (102.5°T)	4.00°E	67.3	-	-	-250	-	
030		TF	SP701	-	110° (113.8°T)	4.00°E	11.0	-	-	-	-	
040		TF	LASUL	-	019° (022.9°T)	4.00°E	6.9	L	+4000	-	IAF/IF	

IAF on ATC authorization only: For APPROACH TRANSITION from EVUGA see LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/ distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
LASUL	HM	019° (022.9°T)	1MIN / -	R	4000	-	190	4.00°E	-	RNAV 1

Change: Altitude restriction on WPT NUPSO; SIPAL 1V renamed to SIPAL 1J

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
SPL	432947.69N	0161817.00E
SAL	435616.30N	0151005.19E
EVUGA	431541.3N	0162030.1E
KEMIX	431842.4N	0155526.9E
KENEM	433800N	0165648E
LASUL	432035N	0161256E
NUPSO	440803N	0155108E
OKLAX	435203N	0160234E
RILIM	423931N	0164856E
SIPAL	430812N	0170425E
TORPO	433351N	0142529E
VAPUP	430321N	0151220E
VELIT	432106N	0171638E
SP701	431414.9N	0160915.7E
SP702	431124.1N	0161800.7E
SP703	432417.5N	0162531.0E
SP704	433507.8N	0161432.2E
SP705	434957.1N	0155244.1E
SP706	433214.9N	0164336.2E
SP707	432313.3N	0164322.8E
SP708	431752.7N	0164107.4E
SP709	433347.1N	0153724.0E
SP710	434437.7N	0152417.3E
SP712	430542.5N	0162334.9E

Change: Altitude restriction on WPT NUPSO; SIPAL 1V renamed to SIPAL 1J

OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA
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LDZA AD 2.5 PASSENGER FACILITIES

1	Hotels	Hotels in Zagreb
2	Restaurants	At AD, in the city
3	Transportation	Bus, taxi, rent a car at AD
4	Medical facilities	First aid at AD, hospital in the city
5	Bank and Post Office	Nil
6	Tourist Office	Information counter Tourist board of the city of Zagreb.
7	Remarks	Nil

LDZA AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	MAX available CAT 9 See Remarks
2	Rescue equipment	1 Heavy fire fighting vehicle: 14 000 L water, 1 300 L foam, 8 200 L discharge rate 1 Heavy fire fighting vehicle: 12 500 L water, 1 500 L foam, 11 500 L discharge rate 1 Heavy fire fighting vehicle: 3 500 L water, 500 L foam, 2 400 L discharge rate 1 Heavy fire fighting vehicle: 9 000 L water, 1 000 L foam, 4 000 L discharge rate 1 Heavy fire fighting vehicle: 9 000 L water, 1 000 L foam, 6 400 L discharge rate
3	Capability for removal of disabled aircraft	Special equipment for this purpose is not available. Contact: Slavko Roguljic, phone: +385 (0)1 4562 847, e-mail: sroguljic@zag.aero
4	Remarks	AD categories for fire fighting are: CAT 6 2200-0400 (2300-0500) CAT 7 1500-2200 (1600-2300) CAT 8 0400-1000 (0500-1100) CAT 9 1000-1500 (1100-1600) See LDZA AD 2.20.4

LDZA AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Types of clearing equipment	Snow removal equipment: snow ploughs, snow blowers, towed sweepers, spreaders and snow loaders. Chemical treatment: 'Clariant SAFEWAY KF Hot' (fluid). Surface friction testers (high pressure tire): ASFT SAAB 9000 CS and SFT SAAB 9-5.
2	Clearance priorities	1. Runway 2. Taxiways 3. Apron parking stands

3	Remarks	Snow clearance information promulgated by SNOWTAM and ATIS from November to April H24. Winter service manager Tel: + 385 1 4562419

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

1	Apron surface and strength	**APRON**	**SURFACE**	**STRENGTH**	
		APRON WEST	CONC	PCN 88/R/C/W/T	
		APRON EAST	CONC	PCN 57/R/A/W/T	
		GENERAL AVIATION APRON	ASPH	PCN 30/F/A/W/T	
2	Taxiway width, surface and strength	**TWY**	**WIDTH (M)**	**SURFACE**	**STRENGTH**
		A	26	CONC	PCN 68/R/B/W/T
		B	37	CONC	PCN 54/R/A/W/T
		C	23	ASPH	PCN 54/F/A/W/T
		D	23	ASPH	PCN 35/F/A/W/T
		E	37	CONC	PCN 54/R/A/W/T
		F	23	CONC	PCN 54/R/A/W/T
		G	23	ASPH	PCN 95/F/B/X/T
		H	23	ASPH	PCN 95/F/B/X/T
		MC	23	ASPH	PCN 95/F/B/X/T
		R	15	ASPH	PCN 28/F/A/W/T
		T	11.25	CONC	PCN 40/R/D/W/T
3	ACL location and elevation	at Apron West 350 FT/107 M at Apron East 345 FT/105 M at General Aviation Apron 349 FT/107 M			
4	VOR checkpoints	Nil			
5	INS checkpoints	Apron West - see LDZA AD 2.24.2 APDC West -1 Apron East - see LDZA AD 2.24.2 APDC East -1			
6	Remarks	TWY A: grass shoulders, width 2x9 M TWY B and TWY E: grass shoulders, width 2x3.5 M TWY C and TWY D: grass shoulders, width 2x1 M TWY F: paved shoulders, width 2x3.5 M and grass shoulders width 2x7 M TWY G and TWY H: paved shoulders, width 2x10.5 M On TWY C and TWY F taxiing of four engine aircraft is forbidden with engines 1 and 4 active. TWY D prohibited to ACFT code letter D, E, F and code letter C with wheelbase more than 18 M. TWY T: Only for military ACFT (Military authorization required) ACFT Code Letter F has to await Follow me when entering part of TWY F from TWY C to TWY B for taxiing to parking position WB, WD and WE.			

LDZA 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	APRON WEST Taxiway guidance signs, guide lines and ACFT stand ID signs at apron, self manoeuvring (except PSN W2 for ACFT code letter D: push-back) and nose-in (basic), nose-out (alternative), and parallel to RWY (general aviation) stands, marshaller for all stands, stop bar markings, Follow me (see Remarks). APRON EAST Taxiway guidance signs, guide lines and ACFT stand ID signs at apron, self-manoeuvring an nose-in/push-back ACFT stands, marshaller, Visual Guidance Docking System at ACFT stands 1-8, stop bar markings, Follow me (see Remarks).
2	RWY and TWY markings and LGT	RWY-05/23: Runway designation markings, Threshold markings, Runway centre line markings, Runway side stripe markings, Touchdown zone markings, Aiming point markings, Runway turn pad marking*. TWY A Taxiway centre line markings, Runway holding position markings, Intermediate holding position markings. TWY B Taxiway centre line markings, Runway holding position markings, Intermediate holding position markings. TWY C Taxiway centre line markings, Runway holding position markings, Intermediate holding position markings. TWY D Taxiway centre line markings, Runway holding position markings, Intermediate holding position markings. TWY E Taxiway centre line markings, Runway holding position markings, Intermediate holding position markings. TWY F Taxiway intermediate holding position lights, Taxiway centre line markings, Intermediate holding position markings. TWY G Taxiway centre line markings, Intermediate holding position markings. TWY H Taxiway centre line markings, Intermediate holding position markings. TWY MC Taxiway centre line markings. TWY R Taxiway centre line markings. TWY T Taxiway centre line markings, Intermediate holding position markings.
3	Stop bars	TWY A: R LIH TWY B: R LIH TWY C: R LIH TWY D: R LIH TWY E: R LIH TWY F: R LIH - F1, F2, F3 TWY G: R LIH - Ga, Gb TWY H: R LIH TWY T: R LIH
4	Remarks	*RWY 23 turn pad restrictions: 180° turn on turn pad for aircraft with wheel base more than 25.6 M is not possible APRON EAST and WEST - Follow me available only during LVO and for ACFT code letter F.

LDZA AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID / Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Markings/ Type, colour**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
Nil	Antenna L	Nil	361 FT(110 M) / Nil	Nil	05/APCH 23/TKOF
Nil	Antenna L	Nil	361 FT(110 M) / Nil	Nil	05/TKOF 23/APCH
Nil	Building	Nil	361 FT(110 M) / Nil	Nil	05/TKOF 23/APCH

In Area 3					
OBST ID / Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Markings/ Type, colour**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
Nil	Nil	Nil	Nil	Nil	Nil

LDZA AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	ZAGREB
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	ZAGREB FT (24HR)
4	Trend Forecast Interval of issuance	TREND Continuous issuance H24
5	Briefing/consultation provided	Personally in MET Office or by Phone: +385 1 6259240
6	Flight documentation Language(s) used	• Personally in MET Office or by fax (tel.: +385 1 6259 240) • Croatian, English
7	Charts and other information available for briefing or consultation	• diagnostic and prognostic surface and upper level charts • satellite images, lightning detection • meteograms
8	Supplementary equipment available for providing information	VOLMET broadcast Telefax URL:http://met.crocontrol.hr
9	ATS units provided with information	Zagreb TWR, Zagreb APP
10	Additional information (limitation of service, etc.)	Nil

2.20.2 ARRIVAL

RWY05:
-preferred exit TWY C for general and business aviation
-TWY D for all other aircraft, unless subject to restriction (note: see LDZA AD 2.8 for restrictions).

RWY23:
-preferred exit via TWY C
Aircraft unable to vacate the RWY via preferred taxiways should notify TWR.

2.20.2.1 Taxiing and Parking

For information regarding parking restrictions, docking systems and other see Aircraft Parking/Docking Chart - ICAO.
A speed-limit of MAX 30 KT will be applied on all TWY.
RWY 05: expect taxi via TWY D/E, G and MC for Apron East or TWY C/D, F for Apron West and General Aviation Apron.
RWY23: expect taxi via TWY C/B, F, G and MC for East Apron or TWY C/B to Apron West and General Aviation Apron.
Parking position number for arriving aircraft will be provided by ATC.

2.20.3 DEPARTURE

Start-up, push-back, en route clearance and taxi instructions will be provided via Zagreb TWR FREQ, except during hours of operation of Zagreb GND (as stated in LDZA AD 2.18 ATS COMMUNICATION FACILITIES).
At initial contact with active ATC FREQ departing aircraft shall advise of ATIS message received and parking position.
ATC DEP CLR will be available on Zagreb Tower/Ground FREQ 15 MIN before EOBT.
Flight crew shall request ATC DEP CLR prior to request for push back/start up.

2.20.3.1 Push back/Start up

Approval for push-back or taxi-out from a parking position must not be requested unless the push-back vehicle is attached and/or the aircraft is ready to perform the manoeuvre immediately.
Apron West and General Aviation Apron: aircraft shall not request start up clearance before it is ascertained that
start of the engine(s) can be completed within 5 minutes after the clearance has been issued.
Apron East: aircraft with CTOT are strongly advised to be ready and request push-back/start up clearance 5 minutes prior to CTOT at latest.

2.20.3.2 Deicing

Zagreb TWR/GND shall be informed as soon as possible if deicing is needed.

RWY05 deicing positions:

- Apron East: jet aircraft with fuselage engines and turbo-prop - on parking position
- West Apron: all aircraft - on parking position

RWY23 deicing position:

- all aircraft - on parking position

2.20.3.3 TAXI

Aircraft must not perform powered U-turns (180 DEG) in the apron areas.

RWY05 expect taxiing:
- from East Apron via TWY H, F and A (TWY B/C optional)
- from West and General Aviation Aprons via TWY F and A (TWY B optional)

RWY23 expect taxiing:
- from Apron East via TWY H, F and D/E
- from Apron West and General Aviation Aprons via TWY F and D/E

Aircraft requesting full RWY length for departure shall advise TWR/GND when requesting taxi clearance at the latest.

2.20.4 RESCUE AND FIRE FIGHTING SERVICE

Declared rescue and fire fighting category (CAT 8 or CAT 7 or CAT 6), which is lower than the highest available (CAT 9), implies a reduced number of professional firefighters.
For all aircraft operations, previously approved by the airport operator (based on flight schedule or “ad hoc”), the (aerodrome) rescue and fire fighting category will be aligned with the rescue and fire fighting category of the aircraft.

LDZA AD 2.21 NOISE ABATEMENT PROCEDURES

NOISE ABATEMENT DEPARTURE PROCEDURE RWY05

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

NOISE ABATEMENT DEPARTURE PROCEDURE RWY23

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

LDZA AD 2.22 FLIGHT PROCEDURES

2.22.1 LOW VISIBILITY PROCEDURES, INCLUDING CAT II/III APPROACH, LANDING AND LVTO

2.22.1.1 Criteria for the initiation and termination of Low Visibility Procedure (LVP)

The initiation of LVP will be implemented in two phases:

- The preparation phase (phase I) will be implemented when the RVR falls below 1000 M and/or the ceiling is at /or below 300 FT with downwards tendency and CAT II/III operations are anticipated. In this phase protection of sensitive areas is not yet provided.

- The operations phase (phase II) will be activated when the RVR falls below 550 M and the ceiling is at /or below 200 FT. Protection of sensitive areas is provided.

Pilots will be informed by ATIS or RTF on first contact by the following standard message:
“Low Visibility Procedures in operation.”

LVP will be terminated when the RVR is greater than 800 M and the ceiling is above 300 FT and a continuing improvement of these conditions is expected.

Pilots will be informed by RTF using the following standard message:
“Low Visibility Procedures cancelled at time...”

2.22.1.2 Description of LVP

2.22.1.2.1 CAT II/III Approach and Landing

2.22.1.2.1.1 Protection of ILS sensitive area

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 TWY L 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**	**Markings/ type, colour**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
LDZD 1	Fence	440440.97N 0152014.95E	97.4/3.9 M	Nil	Nil
LDZD 2	Terrain-Hill	440437.92N 0152010.09E	99.3/0 M	Nil	Nil
LDZD 3	Terrain-Hill	440430.96N 0151958.95E	99.9/0 M	Nil	Nil

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	ZADAR, SPLIT, DUBROVNIK, PULA, ZAGREB FT(24HR)
4	Trend Forecast Interval of issuance	TREND Continuous issuance during AD HR SER and 2 hours before AD HR SER
5	Briefing/consultation provided	Personally in MET Office or by tel.: +385 1 6259224
6	Flight documentation Language(s) used	• Personally in MET Office or by fax (tel.: +385 23 203438) • Croatian, English
7	Charts and other information available for briefing or consultation	• diagnostic and prognostic surface and upper level charts • satellite images, lightning detection • meteograms
8	Supplementary equipment available for providing information	Telefax URL:http://met.crocontrol.hr
9	ATS units provided with information	Zadar TWR, Zadar APP
10	Additional information (limitation of service, etc.)	Nil