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



AIRAC AIP AMDT 008/2025
Effective Date: 04 SEP 2025
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1. Amendment contents:**GEN**

- **GEN 0.2** - Record of AIP amendments - updated
- **GEN 0.4** - Checklist of AIP pages - updated
- **GEN 0.5** - List of hand amendments to the AIP - updated
- **GEN 0.6** - Table of contents to Part 1 - updated
- **GEN 1.2** - Entry, transit and departure of aircraft - various changes
- **GEN 1.5.2** - Equipment to be carried - changes related to Airborne collision avoidance systems
- **GEN 1.6.3** - Summary of national regulations and international agreements/conventions - EU regulations - changes
- **GEN 1.7** - Differences from ICAO Standards, Recommended Practices and Procedures - Annex 14 and Doc 9981 - changes
- **GEN 3.2** - Aeronautical charts series available - description of each Index chart added

ENR

- **ENR 0.6** - Table of contents to Part 2 - updated
- **ENR 1.9.2.6** - Operational and Equipment Requirements for the Reservation, Definition of Areas and Rules of Conduct in Areas Published in ENR 5.1 and ENR 5.2 - updated
- **ENR 2.2** - Other regulated airspace - Remarks changed for RMZ Rijeka, new subsection Transponder mandatory zone (TMZ) added

AD

- **AD 0.6** - Table of contents to Part 3 - updated
- **LDDU AD 2.10** - Aerodrome obstacles - new obstacles added, two obstacles renamed
- **LDDU AD 2** - New Charts:
 - Standard Departure Chart - Instrument - ICAO - RNAV RWY 11 (LDDU AD 2.24.8 SID RNAV RWY 11 -1/4)
 - Standard Departure Chart - Instrument - ICAO - RNAV RWY 29 (LDDU AD 2.24.8 SID RNAV RWY 29 -1/2)
- **LDSP AD 2.8** - Aprons, taxiways and check locations/positions data - new Remark added
- **LDZA AD 2** - New Charts:
 - Instrument Approach Chart - ICAO L RWY 04 (LDZA AD 2.24.12 IAC L RWY 04 -1/2)
 - Instrument Approach Chart - ICAO ILS y or LOC y RWY 04 CAT I/II/III (LDZA AD 2.24.12 IAC ILS y or LOC y RWY 04 -1/2)
 - Instrument Approach Chart - ICAO RNP RWY 04 (LDZA AD 2.24.12 IAC RNP RWY 04 -1/4)

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: A0779/25, A1632/25, A1633/25 and A1725/25

SUP: NIL

AIC: NIL

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

Insert the following pages

GEN 0.2 - 5/6 04 SEP 2025 / 23 JAN 2025
 GEN 0.4 - 1/2 04 SEP 2025 / 04 SEP 2025
 GEN 0.4 - 3/4 04 SEP 2025 / 04 SEP 2025
 GEN 0.4 - 5/6 04 SEP 2025 / 04 SEP 2025
 GEN 0.4 - 7/8 04 SEP 2025 / 04 SEP 2025
 GEN 0.4 - 9/10 04 SEP 2025 / 04 SEP 2025
 GEN 0.5 - 3/4 04 SEP 2025 / 04 SEP 2025
 GEN 0.6 - 1/2 04 SEP 2025 / 04 SEP 2025
 GEN 0.6 - 3/4 04 SEP 2025 / 04 SEP 2025
 GEN 1.2 - 1/2 04 SEP 2025 / 11 JUL 2024
 GEN 1.2 - 3/4 04 SEP 2025 / 04 SEP 2025
 GEN 1.2 - 5/6 04 SEP 2025 / 04 SEP 2025
 GEN 1.2 - 7/8 04 SEP 2025 / 04 SEP 2025
 GEN 1.2 - 9/10 04 SEP 2025 / 04 SEP 2025
 GEN 1.2 - 11/12 04 SEP 2025 / 04 SEP 2025
 GEN 1.2 - 13/14 04 SEP 2025 / 04 SEP 2025
 GEN 1.5 - 1/2 15 JUL 2021 / 04 SEP 2025
 GEN 1.6 - 1/2 15 JUL 2021 / 04 SEP 2025
 GEN 1.7 - 15/16 07 OCT 2021 / 04 SEP 2025
 GEN 1.7 - 21/22 04 SEP 2025 / 29 DEC 2022
 GEN 3.2 - 3/4 11 JUL 2024 / 04 SEP 2025
 GEN 3.2 - 5/6 04 SEP 2025 / 04 SEP 2025
 ENR 0.6 - 1/2 04 SEP 2025 / 04 SEP 2025
 ENR 0.6 - 3/4 04 SEP 2025 / 04 SEP 2025
 ENR 1.9 - 23/24 10 JUL 2025 / 04 SEP 2025
 ENR 1.9 - 25/26 04 SEP 2025 / 04 SEP 2025
 ENR 2.2 - 3/4 04 SEP 2025 / 04 SEP 2025
 AD 0.6 - 1/2 04 SEP 2025 / 04 SEP 2025
 AD 0.6 - 3/4 04 SEP 2025 / 04 SEP 2025
 AD 0.6 - 5/6 04 SEP 2025 / 04 SEP 2025
 AD 0.6 - 7/8 04 SEP 2025 / 04 SEP 2025
 AD 0.6 - 9/10 04 SEP 2025 / 04 SEP 2025
 LDDU AD 2 - 5/6 04 SEP 2025 / 04 SEP 2025
 LDDU AD 2 - 7/8 04 SEP 2025 / 04 SEP 2025
 LDDU AD 2 - 9/10 04 SEP 2025 / 04 SEP 2025
 LDDU AD 2 - 11/12 04 SEP 2025 / 04 SEP 2025
 LDDU AD 2 - 13/14 04 SEP 2025 / 04 SEP 2025
 LDDU AD 2 - 15/16 04 SEP 2025 / 04 SEP 2025
 LDDU AD 2 - 17/18 04 SEP 2025 / 04 SEP 2025
 LDDU AD 2 - 19/20 04 SEP 2025 / 04 SEP 2025
 LDDU AD 2 - 21/22 04 SEP 2025 / 04 SEP 2025
 LDDU AD 2 - 23/24 04 SEP 2025 / 04 SEP 2025
 LDDU AD 2 - 25/26 04 SEP 2025 / 04 SEP 2025
 LDDU AD 2 - 27/28 04 SEP 2025 / 04 SEP 2025
 LDDU AD 2 - 29/30 04 SEP 2025 / 04 SEP 2025
 LDDU AD 2 - 31/32 04 SEP 2025 / 04 SEP 2025
 LDDU AD 2 - 33/34 04 SEP 2025 / 04 SEP 2025
 LDDU AD 2.24.8 SID RNAV RWY 11 - 1/2 04 SEP 2025 / 04 SEP 2025
 LDDU AD 2.24.8 SID RNAV RWY 11 - 3/4 04 SEP 2025 / 04 SEP 2025
 LDDU AD 2.24.8 SID RNAV RWY 29 - 1/2 04 SEP 2025 / 04 SEP 2025
 LDSP AD 2 - 3/4 08 AUG 2024 / 04 SEP 2025
 LDZA AD 2.24.12 IAC L RWY 04 - 1/2 04 SEP 2025 / 04 SEP 2025
 LDZA AD 2.24.12 IAC ILS y or LOC y RWY04 - 1/2 04 SEP 2025 / 04 SEP 2025
 LDZA AD 2.24.12 IAC RNP RWY04 - 1/2 04 SEP 2025 / 04 SEP 2025
 LDZA AD 2.24.12 IAC RNP RWY04 - 3/4 04 SEP 2025 / 04 SEP 2025
 LDZA AD 2.24.12 IAC RNP RWY04 - 5/6 04 SEP 2025 / 04 SEP 2025

Remove the following pages

GEN 0.2 - 5/6 07 AUG 2025 / 23 JAN 2025
 GEN 0.4 - 1/2 07 AUG 2025 / 07 AUG 2025
 GEN 0.4 - 3/4 07 AUG 2025 / 07 AUG 2025
 GEN 0.4 - 5/6 07 AUG 2025 / 07 AUG 2025
 GEN 0.4 - 7/8 07 AUG 2025 / 07 AUG 2025
 GEN 0.4 - 9/10 07 AUG 2025 / 07 AUG 2025
 NIL
 GEN 0.6 - 1/2 17 APR 2025 / 17 APR 2025
 GEN 0.6 - 3/4 17 APR 2025 / 17 APR 2025
 GEN 1.2 - 1/2 11 JUL 2024 / 11 JUL 2024
 GEN 1.2 - 3/4 18 MAY 2023 / 18 MAY 2023
 GEN 1.2 - 5/6 11 JUL 2024 / 11 JUL 2024
 GEN 1.2 - 7/8 11 JUL 2024 / 11 JUL 2024
 GEN 1.2 - 9/10 11 JUL 2024 / 11 JUL 2024
 GEN 1.2 - 11/12 11 JUL 2024 / 11 JUL 2024
 NIL
 GEN 1.5 - 1/2 15 JUL 2021 / 15 JUL 2021
 GEN 1.6 - 1/2 15 JUL 2021 / 15 JUL 2021
 GEN 1.7 - 15/16 07 OCT 2021 / 29 DEC 2022
 GEN 1.7 - 21/22 18 MAY 2023 / 29 DEC 2022
 GEN 3.2 - 3/4 11 JUL 2024 / 10 JUL 2025
 NIL
 ENR 0.6 - 1/2 15 MAY 2025 / 15 MAY 2025
 ENR 0.6 - 3/4 15 MAY 2025 / 15 MAY 2025
 ENR 1.9 - 23/24 10 JUL 2025 / 10 JUL 2025
 ENR 1.9 - 25/26 10 JUL 2025 / 10 JUL 2025
 ENR 2.2 - 3/4 18 APR 2024 / 25 JAN 2024
 AD 0.6 - 1/2 12 JUN 2025 / 12 JUN 2025
 AD 0.6 - 3/4 12 JUN 2025 / 12 JUN 2025
 AD 0.6 - 5/6 12 JUN 2025 / 12 JUN 2025
 AD 0.6 - 7/8 12 JUN 2025 / 12 JUN 2025
 AD 0.6 - 9/10 12 JUN 2025 / 12 JUN 2025
 LDDU AD 2 - 5/6 20 MAR 2025 / 20 MAR 2025
 LDDU AD 2 - 7/8 20 FEB 2025 / 20 MAR 2025
 LDDU AD 2 - 9/10 20 MAR 2025 / 20 MAR 2025
 LDDU AD 2 - 11/12 20 MAR 2025 / 20 MAR 2025
 LDDU AD 2 - 13/14 20 MAR 2025 / 20 MAR 2025
 LDDU AD 2 - 15/16 20 MAR 2025 / 20 MAR 2025
 LDDU AD 2 - 17/18 07 AUG 2025 / 31 OCT 2024
 LDDU AD 2 - 19/20 31 OCT 2024 / 31 OCT 2024
 LDDU AD 2 - 21/22 31 OCT 2024 / 15 MAY 2025
 LDDU AD 2 - 23/24 20 FEB 2025 / 20 MAR 2025
 LDDU AD 2 - 25/26 20 MAR 2025 / 20 MAR 2025
 LDDU AD 2 - 27/28 20 MAR 2025 / 20 MAR 2025
 NIL
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 LDDU AD 2.24.8 SID RNAV RWY 11 - 1/2 15 MAY 2025 / 15 MAY 2025
 LDDU AD 2.24.8 SID RNAV RWY 11 - 3/4 15 MAY 2025 / 15 MAY 2025
 LDDU AD 2.24.8 SID RNAV RWY 29 - 1/2 15 MAY 2025 / 15 MAY 2025
 LDSP AD 2 - 3/4 08 AUG 2024 / 25 JAN 2024
 LDZA AD 2.24.12 IAC L RWY 04 - 1/2 15 MAY 2025 / 15 MAY 2025
 LDZA AD 2.24.12 IAC ILS y or LOC y RWY04 - 1/2 15 MAY 2025 / 15 MAY 2025
 LDZA AD 2.24.12 IAC RNP RWY04 - 1/2 15 MAY 2025 / 15 MAY 2025
 LDZA AD 2.24.12 IAC RNP RWY04 - 3/4 15 MAY 2025 / 15 MAY 2025
 LDZA AD 2.24.12 IAC RNP RWY04 - 5/6 15 MAY 2025 / 15 MAY 2025

AIRAC AIP AMENDMENT			
<i>NR/Year</i>	<i>Publication date</i>	<i>Effective date</i>	<i>Inserted by</i>
013/2024	12 DEC 2024	23 JAN 2025	
001/2025	09 JAN 2025	20 FEB 2025	
002/2025	06 FEB 2025	20 MAR 2025	
003/2025	06 MAR 2025	17 APR 2025	
004/2025	03 APR 2025	15 MAY 2025	
005/2025	30 APR 2025	12 JUN 2025	
006/2025	29 MAY 2025	10 JUL 2025	
007/2025	26 JUN 2025	07 AUG 2025	
008/2025	24 JUL 2025	04 SEP 2025	

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

Page	Date	Page	Date
GEN 0.4 CHECKLIST OF AIP PAGES			
PART 1 - GENERAL (GEN)			
GEN 0.1 - 1	23 MAR 2023	GEN 1.5 - 1	15 JUL 2021
GEN 0.1 - 2	23 MAR 2023	GEN 1.5 - 2	04 SEP 2025
GEN 0.1 - 3	23 MAR 2023	GEN 1.5 - 3	30 DEC 2021
GEN 0.1 - 4	20 FEB 2025	GEN 1.5 - 4	30 APR 2015
GEN 0.2 - 1	20 JUL 2017	GEN 1.6 - 1	15 JUL 2021
GEN 0.2 - 2	11 OCT 2018	GEN 1.6 - 2	04 SEP 2025
GEN 0.2 - 3	30 DEC 2021	GEN 1.7 - 1	12 OCT 2017
GEN 0.2 - 4	26 DEC 2024	GEN 1.7 - 2	12 AUG 2021
GEN 0.2 - 5	04 SEP 2025	GEN 1.7 - 3	20 APR 2023
GEN 0.2 - 6	23 JAN 2025	GEN 1.7 - 4	12 AUG 2021
GEN 0.3 - 1	07 AUG 2025	GEN 1.7 - 5	12 AUG 2021
GEN 0.3 - 2	01 FEB 2018	GEN 1.7 - 6	12 AUG 2021
GEN 0.4 - 1	04 SEP 2025	GEN 1.7 - 7	12 AUG 2021
GEN 0.4 - 2	04 SEP 2025	GEN 1.7 - 8	12 AUG 2021
GEN 0.4 - 3	04 SEP 2025	GEN 1.7 - 9	12 AUG 2021
GEN 0.4 - 4	04 SEP 2025	GEN 1.7 - 10	12 AUG 2021
GEN 0.4 - 5	04 SEP 2025	GEN 1.7 - 11	12 AUG 2021
GEN 0.4 - 6	04 SEP 2025	GEN 1.7 - 12	12 AUG 2021
GEN 0.4 - 7	04 SEP 2025	GEN 1.7 - 13	12 AUG 2021
GEN 0.4 - 8	04 SEP 2025	GEN 1.7 - 14	07 OCT 2021
GEN 0.4 - 9	04 SEP 2025	GEN 1.7 - 15	07 OCT 2021
GEN 0.4 - 10	04 SEP 2025	GEN 1.7 - 16	04 SEP 2025
GEN 0.5 - 1	10 JUL 2025	GEN 1.7 - 17	29 DEC 2022
GEN 0.5 - 2	07 AUG 2025	GEN 1.7 - 18	29 DEC 2022
GEN 0.5 - 3	04 SEP 2025	GEN 1.7 - 19	20 MAR 2025
GEN 0.5 - 4	04 SEP 2025	GEN 1.7 - 20	08 AUG 2024
GEN 0.6 - 1	04 SEP 2025	GEN 1.7 - 21	04 SEP 2025
GEN 0.6 - 2	04 SEP 2025	GEN 1.7 - 22	29 DEC 2022
GEN 0.6 - 3	04 SEP 2025	GEN 2.1 - 1	23 MAR 2023
GEN 0.6 - 4	04 SEP 2025	GEN 2.1 - 2	08 SEP 2022
GEN 1.1 - 1	15 JUL 2021	GEN 2.1 - 3	08 SEP 2022
GEN 1.1 - 2	11 JUL 2024	GEN 2.1 - 4	23 MAR 2023
GEN 1.1 - 3	12 JUN 2025	GEN 2.2 - 1	10 JUL 2025
GEN 1.1 - 4	26 JAN 2023	GEN 2.2 - 2	10 JUL 2025
GEN 1.1 - 5	26 JAN 2023	GEN 2.2 - 3	10 JUL 2025
GEN 1.1 - 6	26 JAN 2023	GEN 2.2 - 4	10 JUL 2025
GEN 1.2 - 1	04 SEP 2025	GEN 2.2 - 5	10 JUL 2025
GEN 1.2 - 2	11 JUL 2024	GEN 2.2 - 6	10 JUL 2025
GEN 1.2 - 3	04 SEP 2025	GEN 2.2 - 7	10 JUL 2025
GEN 1.2 - 4	04 SEP 2025	GEN 2.2 - 8	10 JUL 2025
GEN 1.2 - 5	04 SEP 2025	GEN 2.2 - 9	10 JUL 2025
GEN 1.2 - 6	04 SEP 2025	GEN 2.2 - 10	10 JUL 2025
GEN 1.2 - 7	04 SEP 2025	GEN 2.2 - 11	10 JUL 2025
GEN 1.2 - 8	04 SEP 2025	GEN 2.2 - 12	10 JUL 2025
GEN 1.2 - 9	04 SEP 2025	GEN 2.3 - 1	01 FEB 2018
GEN 1.2 - 10	04 SEP 2025	GEN 2.3 - 2	01 FEB 2018
GEN 1.2 - 11	04 SEP 2025	GEN 2.3 - 3	01 FEB 2018
GEN 1.2 - 12	04 SEP 2025	GEN 2.3 - 4	01 FEB 2018
GEN 1.2 - 13	04 SEP 2025	GEN 2.3 - 5	01 FEB 2018
GEN 1.2 - 14	04 SEP 2025	GEN 2.3 - 6	01 FEB 2018
GEN 1.3 - 1	12 DEC 2013	GEN 2.3 - 7	01 FEB 2018
GEN 1.3 - 2	12 DEC 2013	GEN 2.3 - 8	01 FEB 2018
GEN 1.3 - 3	18 MAY 2023	GEN 2.3 - 9	04 NOV 2021
GEN 1.3 - 4	18 MAY 2023	GEN 2.3 - 10	01 FEB 2018
GEN 1.3 - 5	18 MAY 2023	GEN 2.3 - 11	01 FEB 2018
GEN 1.3 - 6	18 MAY 2023	GEN 2.3 - 12	01 FEB 2018
GEN 1.3 - 7	18 MAY 2023	GEN 2.3 - 13	01 FEB 2018
GEN 1.3 - 8	18 MAY 2023	GEN 2.3 - 14	01 FEB 2018
GEN 1.3 - 9	18 MAY 2023	GEN 2.4 - 1	31 OCT 2024
GEN 1.3 - 10	18 MAY 2023	GEN 2.4 - 2	31 OCT 2024
GEN 1.4 - 1	23 MAR 2023	GEN 2.5 - 1	15 MAY 2025
GEN 1.4 - 2	23 MAR 2023	GEN 2.5 - 2	15 MAY 2025
		GEN 2.6 - 1	13 SEP 2018
		GEN 2.6 - 2	08 MAR 2012
		GEN 2.6 - 3	08 MAR 2012
		GEN 2.6 - 4	08 MAR 2012
		GEN 2.7 - 1	23 FEB 2023
		GEN 2.7 - 2	23 FEB 2023
		GEN 2.7 - 3	23 FEB 2023
		GEN 2.7 - 4	23 FEB 2023
		GEN 2.7 - 5	23 FEB 2023

Page	Date	Page	Date
GEN 2.7 - 6	23 FEB 2023	GEN 4.1 - 23	17 APR 2025
GEN 2.7 - 7	23 FEB 2023	GEN 4.1 - 24	17 APR 2025
GEN 2.7 - 8	23 FEB 2023	GEN 4.1 - 25	17 APR 2025
GEN 2.7 - 9	23 FEB 2023	GEN 4.1 - 26	17 APR 2025
GEN 2.7 - 10	23 FEB 2023	GEN 4.1 - 27	17 APR 2025
GEN 2.7 - 11	23 FEB 2023	GEN 4.1 - 28	17 APR 2025
GEN 2.7 - 12	23 FEB 2023	GEN 4.1 - 29	17 APR 2025
GEN 2.7 - 13	23 FEB 2023	GEN 4.1 - 30	17 APR 2025
GEN 2.7 - 14	23 FEB 2023	GEN 4.1 - 31	17 APR 2025
GEN 3.1 - 1	20 FEB 2025	GEN 4.1 - 32	17 APR 2025
GEN 3.1 - 2	07 AUG 2025	GEN 4.1 - 33	17 APR 2025
GEN 3.1 - 3	07 AUG 2025	GEN 4.1 - 34	17 APR 2025
GEN 3.1 - 4	07 AUG 2025	GEN 4.1 - 35	17 APR 2025
GEN 3.1 - 5	07 AUG 2025	GEN 4.1 - 36	17 APR 2025
GEN 3.1 - 6	07 AUG 2025	GEN 4.1 - 37	17 APR 2025
GEN 3.2 - 1	20 FEB 2025	GEN 4.1 - 38	17 APR 2025
GEN 3.2 - 2	23 JAN 2025	GEN 4.1 - 39	17 APR 2025
GEN 3.2 - 3	11 JUL 2024	GEN 4.1 - 40	17 APR 2025
GEN 3.2 - 4	04 SEP 2025	GEN 4.2 - 1	16 JUN 2022
GEN 3.2 - 5	04 SEP 2025	GEN 4.2 - 2	16 JUN 2022
GEN 3.2 - 6	04 SEP 2025	GEN 4.2 - 3	23 MAR 2023
GEN 3.3 - 1	13 JUN 2024	GEN 4.2 - 4	16 JUN 2022
GEN 3.3 - 2	13 JUN 2024		
GEN 3.3 - 3	13 JUN 2024	PART 2 - EN-ROUTE (ENR)	
GEN 3.3 - 4	20 FEB 2025		
GEN 3.4 - 1	20 FEB 2025	ENR 0.1 - 1	08 MAR 2012
GEN 3.4 - 2	25 JAN 2024	ENR 0.1 - 2	08 MAR 2012
GEN 3.4 - 3	13 JUN 2024	ENR 0.2 - 1	08 MAR 2012
GEN 3.4 - 4	13 JUN 2024	ENR 0.2 - 2	08 MAR 2012
GEN 3.4 - 5	13 JUN 2024	ENR 0.3 - 1	08 MAR 2012
GEN 3.4 - 6	13 JUN 2024	ENR 0.3 - 2	08 MAR 2012
GEN 3.4 - 7	13 JUN 2024	ENR 0.4 - 1	08 MAR 2012
GEN 3.4 - 8	13 JUN 2024	ENR 0.4 - 2	08 MAR 2012
GEN 3.4 - 9	13 JUN 2024	ENR 0.5 - 1	08 MAR 2012
GEN 3.4 - 10	13 JUN 2024	ENR 0.5 - 2	08 MAR 2012
GEN 3.5 - 1	07 AUG 2025	ENR 0.6 - 1	04 SEP 2025
GEN 3.5 - 2	18 APR 2024	ENR 0.6 - 2	04 SEP 2025
GEN 3.5 - 3	12 JUN 2025	ENR 0.6 - 3	04 SEP 2025
GEN 3.5 - 4	26 DEC 2024	ENR 0.6 - 4	04 SEP 2025
GEN 3.5 - 5	07 AUG 2025	ENR 1.1 - 1	22 APR 2021
GEN 3.5 - 6	07 AUG 2025	ENR 1.1 - 2	22 APR 2021
GEN 3.5 - 7	18 APR 2024	ENR 1.1 - 3	22 APR 2021
GEN 3.5 - 8	07 AUG 2025	ENR 1.1 - 4	22 APR 2021
GEN 3.5 - 9	18 APR 2024	ENR 1.1 - 5	22 APR 2021
GEN 3.5 - 10	18 APR 2024	ENR 1.1 - 6	22 APR 2021
GEN 3.6 - 1	10 JUL 2025	ENR 1.1 - 7	15 JUN 2023
GEN 3.6 - 2	24 MAR 2022	ENR 1.1 - 8	15 JUN 2023
GEN 3.6 - 3	24 MAR 2022	ENR 1.2 - 1	26 OCT 2015
GEN 3.6 - 4	24 MAR 2022	ENR 1.2 - 2	26 OCT 2015
GEN 4.1 - 1	16 MAY 2024	ENR 1.2 - 3	26 OCT 2015
GEN 4.1 - 2	17 APR 2025	ENR 1.2 - 4	08 MAR 2012
GEN 4.1 - 3	17 APR 2025	ENR 1.3 - 1	19 JUL 2019
GEN 4.1 - 4	17 APR 2025	ENR 1.3 - 2	19 JUL 2019
GEN 4.1 - 5	17 APR 2025	ENR 1.3 - 3	07 SEP 2023
GEN 4.1 - 6	17 APR 2025	ENR 1.3 - 4	01 FEB 2018
GEN 4.1 - 7	17 APR 2025	ENR 1.4 - 1	10 SEP 2020
GEN 4.1 - 8	17 APR 2025	ENR 1.4 - 2	13 SEP 2018
GEN 4.1 - 9	17 APR 2025	ENR 1.5 - 1	21 APR 2022
GEN 4.1 - 10	17 APR 2025	ENR 1.5 - 2	27 FEB 2020
GEN 4.1 - 11	17 APR 2025	ENR 1.6 - 1	20 FEB 2025
GEN 4.1 - 12	17 APR 2025	ENR 1.6 - 2	20 FEB 2025
GEN 4.1 - 13	17 APR 2025	ENR 1.6 - 3	20 FEB 2025
GEN 4.1 - 14	17 APR 2025	ENR 1.6 - 4	12 JUN 2025
GEN 4.1 - 15	17 APR 2025	ENR 1.7 - 1	25 APR 2019
GEN 4.1 - 16	17 APR 2025	ENR 1.7 - 2	16 MAY 2024
GEN 4.1 - 17	17 APR 2025	ENR 1.7 - 3	16 MAY 2024
GEN 4.1 - 18	17 APR 2025	ENR 1.7 - 4	08 MAR 2012
GEN 4.1 - 19	17 APR 2025	ENR 1.8 - 1	13 JUL 2023
GEN 4.1 - 20	17 APR 2025	ENR 1.8 - 2	16 JUL 2020
GEN 4.1 - 21	17 APR 2025	ENR 1.8 - 3	16 JUL 2020
GEN 4.1 - 22	17 APR 2025		

Page	Date	Page	Date
ENR 1.8 - 4	13 JUN 2024	ENR 1.13 - 1	30 APR 2015
ENR 1.8 - 5	13 SEP 2018	ENR 1.13 - 2	30 APR 2015
ENR 1.8 - 6	03 JAN 2019	ENR 1.14 - 1	12 JUN 2025
ENR 1.8 - 7	03 JAN 2019	ENR 1.14 - 2	12 JUN 2025
ENR 1.8 - 8	03 JAN 2019	ENR 1.14 - 3	23 FEB 2023
ENR 1.8 - 9	03 JAN 2019	ENR 1.14 - 4	23 FEB 2023
ENR 1.8 - 10	27 FEB 2020	ENR 1.14 - 5	23 FEB 2023
ENR 1.8 - 11	27 FEB 2020	ENR 1.14 - 6	23 FEB 2023
ENR 1.8 - 12	03 JAN 2019	ENR 2.1 - 1	12 JUN 2025
ENR 1.8 - 13	16 JUL 2020	ENR 2.1 - 2	15 MAY 2025
ENR 1.8 - 14	03 JAN 2019	ENR 2.1 - 3	15 MAY 2025
ENR 1.8 - 15	03 JAN 2019	ENR 2.1 - 4	15 MAY 2025
ENR 1.8 - 16	03 JAN 2019	ENR 2.1 - 5	15 MAY 2025
ENR 1.8 - 17	03 JAN 2019	ENR 2.1 - 6	15 MAY 2025
ENR 1.8 - 18	03 JAN 2019	ENR 2.1 - 7	15 MAY 2025
ENR 1.8 - 19	03 JAN 2019	ENR 2.1 - 8	15 MAY 2025
ENR 1.8 - 20	03 JAN 2019	ENR 2.2 - 1	26 JAN 2023
ENR 1.9 - 1	13 JUL 2023	ENR 2.2 - 2	26 JAN 2023
ENR 1.9 - 2	26 MAR 2020	ENR 2.2 - 3	04 SEP 2025
ENR 1.9 - 3	10 SEP 2020	ENR 2.2 - 4	04 SEP 2025
ENR 1.9 - 4	10 SEP 2020	ENR 3.1 - 1	25 JAN 2024
ENR 1.9 - 5	10 SEP 2020	ENR 3.1 - 2	25 JAN 2024
ENR 1.9 - 6	10 SEP 2020	ENR 3.2 - 1	15 MAY 2025
ENR 1.9 - 7	10 SEP 2020	ENR 3.2 - 2	15 MAY 2025
ENR 1.9 - 8	15 JUL 2021	ENR 3.2 - 3	15 MAY 2025
ENR 1.9 - 9	28 MAY 2015	ENR 3.2 - 4	15 MAY 2025
ENR 1.9 - 10	28 MAY 2015	ENR 3.2 - 5	15 MAY 2025
ENR 1.9 - 11	28 MAY 2015	ENR 3.2 - 6	15 MAY 2025
ENR 1.9 - 12	28 MAY 2015	ENR 3.2 - 7	15 MAY 2025
ENR 1.9 - 13	10 SEP 2020	ENR 3.2 - 8	15 MAY 2025
ENR 1.9 - 14	10 SEP 2020	ENR 3.2 - 9	15 MAY 2025
ENR 1.9 - 15	10 SEP 2020	ENR 3.2 - 10	15 MAY 2025
ENR 1.9 - 16	22 JUN 2017	ENR 3.2 - 11	05 SEP 2024
ENR 1.9 - 17	15 JUL 2021	ENR 3.2 - 12	15 MAY 2025
ENR 1.9 - 18	15 JUL 2021	ENR 3.2 - 13	15 MAY 2025
ENR 1.9 - 19	28 DEC 2023	ENR 3.2 - 14	15 MAY 2025
ENR 1.9 - 20	16 MAY 2024	ENR 3.2 - 15	15 MAY 2025
ENR 1.9 - 21	10 JUL 2025	ENR 3.2 - 16	15 MAY 2025
ENR 1.9 - 22	10 JUL 2025	ENR 3.2 - 17	15 MAY 2025
ENR 1.9 - 23	10 JUL 2025	ENR 3.2 - 18	15 MAY 2025
ENR 1.9 - 24	04 SEP 2025	ENR 3.2 - 19	15 MAY 2025
ENR 1.9 - 25	04 SEP 2025	ENR 3.2 - 20	15 MAY 2025
ENR 1.9 - 26	04 SEP 2025	ENR 3.2 - 21	05 SEP 2024
ENR 1.10 - 1	16 JUL 2020	ENR 3.2 - 22	15 MAY 2025
ENR 1.10 - 2	07 AUG 2025	ENR 3.2 - 23	15 MAY 2025
ENR 1.10 - 3	07 AUG 2025	ENR 3.2 - 24	15 MAY 2025
ENR 1.10 - 4	07 AUG 2025	ENR 3.2 - 25	15 MAY 2025
ENR 1.10 - 5	07 AUG 2025	ENR 3.2 - 26	15 MAY 2025
ENR 1.10 - 6	07 AUG 2025	ENR 3.2 - 27	15 MAY 2025
ENR 1.10 - 7	07 AUG 2025	ENR 3.2 - 28	15 MAY 2025
ENR 1.10 - 8	07 AUG 2025	ENR 3.2 - 29	15 MAY 2025
ENR 1.10 - 9	07 AUG 2025	ENR 3.2 - 30	15 MAY 2025
ENR 1.10 - 10	07 AUG 2025	ENR 3.2 - 31	15 MAY 2025
ENR 1.10 - 11	07 AUG 2025	ENR 3.2 - 32	05 SEP 2024
ENR 1.10 - 12	07 AUG 2025	ENR 3.2 - 33	15 MAY 2025
ENR 1.10 - 13	07 AUG 2025	ENR 3.2 - 34	15 MAY 2025
ENR 1.10 - 14	07 AUG 2025	ENR 3.2 - 35	15 MAY 2025
ENR 1.10 - 15	07 AUG 2025	ENR 3.2 - 36	15 MAY 2025
ENR 1.10 - 16	07 AUG 2025	ENR 3.2 - 37	15 MAY 2025
ENR 1.10 - 17	07 AUG 2025	ENR 3.2 - 38	15 MAY 2025
ENR 1.10 - 18	07 AUG 2025	ENR 3.2 - 39	15 MAY 2025
ENR 1.10 - 19	07 AUG 2025	ENR 3.2 - 40	15 MAY 2025
ENR 1.10 - 20	07 AUG 2025	ENR 3.3 - 1	25 JAN 2024
ENR 1.10 - 21	18 APR 2024	ENR 3.3 - 2	25 JAN 2024
ENR 1.10 - 22	01 FEB 2018	ENR 3.4 - 1	25 JAN 2024
ENR 1.11 - 1	07 SEP 2023	ENR 3.4 - 2	08 MAR 2012
ENR 1.11 - 2	23 MAY 2019	ENR 4.1 - 1	20 MAR 2025
ENR 1.12 - 1	03 DEC 2020	ENR 4.1 - 2	15 MAY 2025
ENR 1.12 - 2	08 MAR 2012	ENR 4.2 - 1	08 MAR 2012
ENR 1.12 - 3	08 MAR 2012	ENR 4.2 - 2	08 MAR 2012
ENR 1.12 - 4	08 MAR 2012	ENR 4.3 - 1	30 MAR 2017

Page	Date	Page	Date
ENR 4.3 - 2	08 MAR 2012	ENR 5.2 - 39	20 MAR 2025
ENR 4.4 - 1	15 MAY 2025	ENR 5.2 - 40	20 MAR 2025
ENR 4.4 - 2	15 MAY 2025	ENR 5.2 - 41	20 MAR 2025
ENR 4.4 - 3	15 MAY 2025	ENR 5.2 - 42	20 MAR 2025
ENR 4.4 - 4	15 MAY 2025	ENR 5.2 - 43	20 MAR 2025
ENR 4.4 - 5	15 MAY 2025	ENR 5.2 - 44	20 MAR 2025
ENR 4.4 - 6	15 MAY 2025	ENR 5.2 - 45	15 MAY 2025
ENR 4.4 - 7	15 MAY 2025	ENR 5.2 - 46	15 MAY 2025
ENR 4.4 - 8	20 MAR 2025	ENR 5.2 - 47	15 MAY 2025
ENR 4.5 - 1	08 MAR 2012	ENR 5.2 - 48	15 MAY 2025
ENR 4.5 - 2	08 MAR 2012	ENR 5.2 - 49	15 MAY 2025
ENR 5.1 - 1	20 APR 2023	ENR 5.2 - 50	15 MAY 2025
ENR 5.1 - 2	11 JUL 2024	ENR 5.2 - 51	15 MAY 2025
ENR 5.1 - 3	11 JUL 2024	ENR 5.2 - 52	15 MAY 2025
ENR 5.1 - 4	11 JUL 2024	ENR 5.2 - 53	15 MAY 2025
ENR 5.1 - 5	11 JUL 2024	ENR 5.2 - 54	15 MAY 2025
ENR 5.1 - 6	11 JUL 2024	ENR 5.2 - 55	15 MAY 2025
ENR 5.1 - 7	11 JUL 2024	ENR 5.2 - 56	15 MAY 2025
ENR 5.1 - 8	11 JUL 2024	ENR 5.2 - 57	15 MAY 2025
ENR 5.1 - 9	11 JUL 2024	ENR 5.2 - 58	15 MAY 2025
ENR 5.1 - 10	11 JUL 2024	ENR 5.2 - 59	15 MAY 2025
ENR 5.1 - 11	11 JUL 2024	ENR 5.2 - 60	15 MAY 2025
ENR 5.1 - 12	11 JUL 2024	ENR 5.2 - 61	15 MAY 2025
ENR 5.1 - 13	11 JUL 2024	ENR 5.2 - 62	15 MAY 2025
ENR 5.1 - 14	11 JUL 2024	ENR 5.2 - 63	15 MAY 2025
ENR 5.1 - 15	11 JUL 2024	ENR 5.2 - 64	15 MAY 2025
ENR 5.1 - 16	11 JUL 2024	ENR 5.3 - 1	06 OCT 2022
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ENR 5.2 - 1	07 SEP 2023	ENR 5.4 - 6	17 APR 2025
ENR 5.2 - 2	07 SEP 2023	ENR 5.5 - 1	30 NOV 2023
ENR 5.2 - 3	07 SEP 2023	ENR 5.5 - 2	15 MAY 2025
ENR 5.2 - 4	18 APR 2024	ENR 5.5 - 3	15 MAY 2025
ENR 5.2 - 5	20 MAR 2025	ENR 5.5 - 4	15 MAY 2025
ENR 5.2 - 6	20 MAR 2025	ENR 5.6 - 1	07 SEP 2023
ENR 5.2 - 7	11 JUL 2024	ENR 5.6 - 2	12 JUN 2025
ENR 5.2 - 8	11 JUL 2024	ENR 6 - 1	15 MAY 2025
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ENR 5.2 - 12	20 MAR 2025	ENR 6.3 - 1	15 MAY 2025
ENR 5.2 - 13	20 MAR 2025	ENR 6.3 - 2	15 MAY 2025
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ENR 5.2 - 23	20 MAR 2025	ENR 6.6 - 2	08 MAR 2012
ENR 5.2 - 24	20 MAR 2025	ENR 6.7 - 1	15 MAY 2025
ENR 5.2 - 25	20 MAR 2025	ENR 6.7 - 2	15 MAY 2025
ENR 5.2 - 26	20 MAR 2025	ENR 6.7 - 3	15 MAY 2025
ENR 5.2 - 27	20 MAR 2025	ENR 6.7 - 4	15 MAY 2025
ENR 5.2 - 28	20 MAR 2025	ENR 6.8 - 1	15 MAY 2025
ENR 5.2 - 29	20 MAR 2025	ENR 6.8 - 2	15 MAY 2025
ENR 5.2 - 30	20 MAR 2025	ENR 6.9 - 1	08 MAR 2012
ENR 5.2 - 31	20 MAR 2025	ENR 6.9 - 2	08 MAR 2012
ENR 5.2 - 32	20 MAR 2025	ENR 6.10 - 1	08 MAR 2012
ENR 5.2 - 33	20 MAR 2025	ENR 6.10 - 2	08 MAR 2012
ENR 5.2 - 34	20 MAR 2025	ENR 6.11 - 1	15 MAY 2025
ENR 5.2 - 35	20 MAR 2025	ENR 6.11 - 2	15 MAY 2025
ENR 5.2 - 36	20 MAR 2025	ENR 6.12 - 1	14 JUL 2022
ENR 5.2 - 37	20 MAR 2025	ENR 6.12 - 2	14 JUL 2022
ENR 5.2 - 38	20 MAR 2025	ENR 6.14 - 1	28 DEC 2023

AIRAC AIP AMDT 008/2025

Page	Date	Page	Date
LDLO AD 2.24.12 IAC VOR RWY02 CAT A&B - 2	15 MAY 2025	LDPL AD 2 - 7	13 JUN 2024
LDLO AD 2.24.12 IAC RNP RWY 02 - 1	15 MAY 2025	LDPL AD 2 - 8	10 JUL 2025
LDLO AD 2.24.12 IAC RNP RWY 02 - 2	15 MAY 2025	LDPL AD 2 - 9	03 OCT 2024
LDLO AD 2.24.12 IAC RNP RWY 02 - 3	15 MAY 2025	LDPL AD 2 - 10	15 MAY 2025
LDLO AD 2.24.12 IAC RNP RWY 02 - 4	15 MAY 2025	LDPL AD 2 - 11	10 JUL 2025
LDLO AD 2.24.12 IAC RNP RWY 20 (LPV & LNAV/VNAV only) - 1	15 MAY 2025	LDPL AD 2 - 12	12 JUN 2025
LDLO AD 2.24.12 IAC RNP RWY 20 (LPV & LNAV/VNAV only) - 2	15 MAY 2025	LDPL AD 2 - 13	12 JUN 2025
LDLO AD 2.24.12 IAC RNP RWY 20 (LPV & LNAV/VNAV only) - 3	15 MAY 2025	LDPL AD 2 - 14	12 JUN 2025
LDLO AD 2.24.12 IAC RNP RWY 20 (LPV & LNAV/VNAV only) - 4	15 MAY 2025	LDPL AD 2 - 15	23 APR 2020
LDLO AD 2.24.13 VOC - 1	15 MAY 2025	LDPL AD 2 - 16	23 APR 2020
LDLO AD 2.24.13 VOC - 2	15 MAY 2025	LDPL AD 2 - 17	15 JUN 2023
LDOS AD 2 - 1	30 NOV 2023	LDPL AD 2 - 18	28 DEC 2023
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LDOS AD 2 - 3	08 AUG 2024	LDPL AD 2.24.1 ADC - 2	10 JUL 2025
LDOS AD 2 - 4	23 JAN 2025	LDPL AD 2.24.2 APDC - 1	20 MAR 2025
LDOS AD 2 - 5	07 AUG 2025	LDPL AD 2.24.2 APDC - 2	20 MAR 2025
LDOS AD 2 - 6	30 NOV 2023	LDPL AD 2.24.4 AOC RWY 09/27 - 1	28 MAR 2019
LDOS AD 2 - 7	12 JUN 2025	LDPL AD 2.24.8 SID RWY 09 - 1	15 MAY 2025
LDOS AD 2 - 8	28 DEC 2023	LDPL AD 2.24.8 SID RWY 09 - 2	15 MAY 2025
LDOS AD 2 - 9	18 APR 2024	LDPL AD 2.24.8 SID RNAV RWY 09 - 1	15 MAY 2025
LDOS AD 2 - 10	23 JAN 2025	LDPL AD 2.24.8 SID RNAV RWY 09 - 2	15 MAY 2025
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LDOS AD 2 - 12	23 JAN 2025	LDPL AD 2.24.8 SID RNAV RWY 09 - 4	15 MAY 2025
LDOS AD 2 - 13	23 JAN 2025	LDPL AD 2.24.8 SID RWY 27 - 1	15 MAY 2025
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LDOS AD 2.24.8 SID RWY 29 - 1	15 MAY 2025	LDPL AD 2.24.10 STAR RNAV RWY 27 - 1	15 MAY 2025
LDOS AD 2.24.8 SID RWY 29 - 2	15 MAY 2025	LDPL AD 2.24.10 STAR RNAV RWY 27 - 2	15 MAY 2025
LDOS AD 2.24.8 SID RNP RWY 29 - 1	15 MAY 2025	LDPL AD 2.24.10 STAR RNAV RWY 27 - 3	15 MAY 2025
LDOS AD 2.24.8 SID RNP RWY 29 - 2	15 MAY 2025	LDPL AD 2.24.10 STAR RNAV RWY 27 - 4	15 MAY 2025
LDOS AD 2.24.10 STAR RWY 11 - 1	15 MAY 2025	LDPL AD 2.24.11 ATCSMAC - 1	15 MAY 2025
LDOS AD 2.24.10 STAR RWY 11 - 2	15 MAY 2025	LDPL AD 2.24.11 ATCSMAC - 2	15 MAY 2025
LDOS AD 2.24.10 STAR RNP RWY 11 - 1	15 MAY 2025	LDPL AD 2.24.12 IAC VOR RWY 09 - 1	15 MAY 2025
LDOS AD 2.24.10 STAR RNP RWY 11 - 2	15 MAY 2025	LDPL AD 2.24.12 IAC VOR RWY 09 - 2	15 MAY 2025
LDOS AD 2.24.10 STAR RWY 29 - 1	15 MAY 2025	LDPL AD 2.24.12 IAC VOR RWY 27 - 1	15 MAY 2025
LDOS AD 2.24.10 STAR RWY 29 - 2	15 MAY 2025	LDPL AD 2.24.12 IAC VOR RWY 27 - 2	15 MAY 2025
LDOS AD 2.24.10 STAR RNP RWY 29 - 1	15 MAY 2025	LDPL AD 2.24.12 IAC ILS y or LOC y RWY 27 - 1	15 MAY 2025
LDOS AD 2.24.10 STAR RNP RWY 29 - 2	15 MAY 2025	LDPL AD 2.24.12 IAC ILS y or LOC y RWY 27 - 2	15 MAY 2025
LDOS AD 2.24.11 ATCSMAC - 1	15 MAY 2025	LDPL AD 2.24.12 IAC ILS z or LOC z RWY 27 - 1	15 MAY 2025
LDOS AD 2.24.11 ATCSMAC - 2	15 MAY 2025	LDPL AD 2.24.12 IAC ILS z or LOC z RWY 27 - 2	15 MAY 2025
LDOS AD 2.24.12 IAC L RWY 11 - 1	15 MAY 2025	LDPL AD 2.24.12 IAC RNP RWY 09 - 1	15 MAY 2025
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LDOS AD 2.24.12 IAC ILS or LOC RWY 11 - 1	15 MAY 2025	LDPL AD 2.24.12 IAC RNP RWY 09 - 3	15 MAY 2025
LDOS AD 2.24.12 IAC ILS or LOC RWY 11 - 2	15 MAY 2025	LDPL AD 2.24.12 IAC RNP RWY 09 - 4	15 MAY 2025
LDOS AD 2.24.12 IAC NDB RWY 11 - 1	15 MAY 2025	LDPL AD 2.24.12 IAC RNP RWY 27 - 1	15 MAY 2025
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LDOS AD 2.24.12 IAC NDB RWY 29 - 1	15 MAY 2025	LDPL AD 2.24.12 IAC RNP RWY 27 - 3	15 MAY 2025
LDOS AD 2.24.12 IAC NDB RWY 29 - 2	15 MAY 2025	LDPL AD 2.24.12 IAC RNP RWY 27 - 4	15 MAY 2025
LDOS AD 2.24.12 IAC ILSx or LOCx RWY 29 CAT A&B - 1	15 MAY 2025	LDPL AD 2.24.13 VOC - 1	15 MAY 2025
LDOS AD 2.24.12 IAC ILSx or LOCx RWY 29 CAT A&B - 2	15 MAY 2025	LDPL AD 2.24.13 VOC - 2	15 MAY 2025
LDOS AD 2.24.12 IAC ILSy or LOCy RWY 29 - 1	15 MAY 2025	LDPL AD 2.24.14 BC - 1	08 MAR 2012
LDOS AD 2.24.12 IAC ILSy or LOCy RWY 29 - 2	15 MAY 2025	LDPL AD 2.24.14 BC - 2	08 MAR 2012
LDOS AD 2.24.12 IAC ILS z or LOC z RWY 29 - 1	15 MAY 2025	LDRI AD 2 - 1	07 AUG 2025
LDOS AD 2.24.12 IAC ILS z or LOC z RWY 29 - 2	15 MAY 2025	LDRI AD 2 - 2	17 APR 2025
LDOS AD 2.24.12 IAC RNP RWY 11 - 1	15 MAY 2025	LDRI AD 2 - 3	08 AUG 2024
LDOS AD 2.24.12 IAC RNP RWY 11 - 2	15 MAY 2025	LDRI AD 2 - 4	10 JUL 2025
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LDPL AD 2 - 3	13 JUN 2024	LDRI AD 2 - 13	15 MAY 2025
LDPL AD 2 - 4	10 JUL 2025	LDRI AD 2 - 14	15 MAY 2025
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		LDRI AD 2.24.1 ADC - 1	13 AUG 2020
		LDRI AD 2.24.1 ADC - 2	13 AUG 2020
		LDRI AD 2.24.2 APDC - 1	03 NOV 2022

Page	Date	Page	Date
LDRI AD 2.24.2 APDC - 2	03 NOV 2022	LDSB AD 2.24.12 IAC RNP RWY 03 - 2	15 MAY 2025
LDRI AD 2.24.4 AOC RWY 14/32 - 1	28 MAR 2019	LDSB AD 2.24.12 IAC RNP RWY 03 - 3	15 MAY 2025
LDRI AD 2.24.8 SID RWY 14 - 1	15 MAY 2025	LDSB AD 2.24.12 IAC RNP RWY 03 - 4	15 MAY 2025
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LDRI AD 2.24.10 STAR RNAV RWY 32 - 4	15 MAY 2025	LDSP AD 2 - 13	20 FEB 2025
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LDRI AD 2.24.12 IAC ILS y or LOC y RWY 14 - 2	15 MAY 2025	LDSP AD 2 - 17	21 MAR 2024
LDRI AD 2.24.12 IAC ILS z or LOC z RWY 14 - 1	15 MAY 2025	LDSP AD 2 - 18	21 MAR 2024
LDRI AD 2.24.12 IAC ILS z or LOC z RWY 14 - 2	15 MAY 2025	LDSP AD 2 - 19	21 MAR 2024
LDRI AD 2.24.12 IAC ILS z or LOC z RWY 14 - 3	15 MAY 2025	LDSP AD 2 - 20	08 AUG 2024
LDRI AD 2.24.12 IAC ILS z or LOC z RWY 14 - 4	15 MAY 2025	LDSP AD 2 - 21	21 MAR 2024
LDRI AD 2.24.12 IAC RNP RWY 14 - 1	15 MAY 2025	LDSP AD 2 - 22	21 MAR 2024
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LDRI AD 2.24.12 IAC RNP RWY 32 - 4	15 MAY 2025	LDSP AD 2 - 29	08 AUG 2024
LDRI AD 2.24.12 IAC VOR RWY 32 - 1	15 MAY 2025	LDSP AD 2 - 30	21 MAR 2024
LDRI AD 2.24.12 IAC VOR RWY 32 - 2	15 MAY 2025	LDSP AD 2.24.1 ADC - 1	28 DEC 2023
LDRI AD 2.24.13 VOC - 1	15 MAY 2025	LDSP AD 2.24.1 ADC - 2	28 DEC 2023
LDRI AD 2.24.13 VOC - 2	15 MAY 2025	LDSP AD 2.24.2 APDC - 1	28 DEC 2023
LDSB AD 2 - 1	18 APR 2024	LDSP AD 2.24.2 APDC - 2	28 DEC 2023
LDSB AD 2 - 2	07 AUG 2025	LDSP AD 2.24.4 AOC RWY 05 - 1	20 JUN 2019
LDSB AD 2 - 3	07 AUG 2025	LDSP AD 2.24.4 AOC RWY 23 - 1	20 JUN 2019
LDSB AD 2 - 4	07 AUG 2025	LDSP AD 2.24.8 SID RWY 05 - 1	15 MAY 2025
LDSB AD 2 - 5	07 AUG 2025	LDSP AD 2.24.8 SID RWY 05 - 2	15 MAY 2025
LDSB AD 2 - 6	30 NOV 2023	LDSP AD 2.24.8 SID RNAV RWY 05 - 1	15 MAY 2025
LDSB AD 2 - 7	30 NOV 2023	LDSP AD 2.24.8 SID RNAV RWY 05 - 2	15 MAY 2025
LDSB AD 2 - 8	28 DEC 2023	LDSP AD 2.24.8 SID RNAV RWY 05 - 3	15 MAY 2025
LDSB AD 2 - 9	28 DEC 2023	LDSP AD 2.24.8 SID RNAV RWY 05 - 4	15 MAY 2025
LDSB AD 2 - 10	20 MAY 2021	LDSP AD 2.24.8 SID RWY 23 - 1	15 MAY 2025
LDSB AD 2 - 11	20 MAY 2021	LDSP AD 2.24.8 SID RWY 23 - 2	15 MAY 2025
LDSB AD 2 - 12	20 MAY 2021	LDSP AD 2.24.8 SID RNAV RWY 23 - 1	15 MAY 2025
LDSB AD 2 - 13	08 AUG 2024	LDSP AD 2.24.8 SID RNAV RWY 23 - 2	15 MAY 2025
LDSB AD 2 - 14	30 NOV 2023	LDSP AD 2.24.8 SID RNAV RWY 23 - 3	15 MAY 2025
LDSB AD 2.24.1 ADC - 1	07 SEP 2023	LDSP AD 2.24.8 SID RNAV RWY 23 - 4	15 MAY 2025
LDSB AD 2.24.1 ADC - 2	07 SEP 2023	LDSP AD 2.24.10 STAR RWY 05 - 1	15 MAY 2025
LDSB AD 2.24.2 APDC - 1	20 JUN 2019	LDSP AD 2.24.10 STAR RWY 05 - 2	15 MAY 2025
LDSB AD 2.24.2 APDC - 2	20 JUN 2019	LDSP AD 2.24.10 STAR RNAV RWY 05 - 1	15 MAY 2025
LDSB AD 2.24.4 AOC RWY 03/21 - 1	20 MAY 2021	LDSP AD 2.24.10 STAR RNAV RWY 05 - 2	15 MAY 2025
LDSB AD 2.24.8 SID RWY 03 CAT A/B&C - 1	15 MAY 2025	LDSP AD 2.24.10 STAR RNAV RWY 05 - 3	15 MAY 2025
LDSB AD 2.24.8 SID RWY 03 CAT A/B&C - 2	15 MAY 2025	LDSP AD 2.24.10 STAR RNAV RWY 05 - 4	15 MAY 2025
LDSB AD 2.24.8 SID RNAV RWY 03 - 1	15 MAY 2025	LDSP AD 2.24.10 STAR RNAV RWY 05 - 5	15 MAY 2025
LDSB AD 2.24.8 SID RNAV RWY 03 - 2	15 MAY 2025	LDSP AD 2.24.10 STAR RNAV RWY 05 - 6	15 MAY 2025
LDSB AD 2.24.8 SID RWY 21 CAT A/B&C - 1	15 MAY 2025	LDSP AD 2.24.10 STAR RWY 23 - 1	15 MAY 2025
LDSB AD 2.24.8 SID RWY 21 CAT A/B&C - 2	15 MAY 2025	LDSP AD 2.24.10 STAR RWY 23 - 2	15 MAY 2025
LDSB AD 2.24.8 SID RNAV RWY 21 - 1	15 MAY 2025	LDSP AD 2.24.10 STAR RNAV RWY 23 - 1	15 MAY 2025
LDSB AD 2.24.8 SID RNAV RWY 21 - 2	15 MAY 2025	LDSP AD 2.24.10 STAR RNAV RWY 23 - 2	15 MAY 2025
LDSB AD 2.24.10 STAR RWY 03/21 CAT A/B&C - 1	15 MAY 2025	LDSP AD 2.24.10 STAR RNAV RWY 23 - 3	15 MAY 2025
LDSB AD 2.24.10 STAR RWY 03/21 CAT A/B&C - 2	15 MAY 2025	LDSP AD 2.24.10 STAR RNAV RWY 23 - 4	15 MAY 2025
LDSB AD 2.24.10 STAR RNAV RWY 03-21 - 1	15 MAY 2025	LDSP AD 2.24.10 STAR RNAV RWY 23 - 5	15 MAY 2025
LDSB AD 2.24.10 STAR RNAV RWY 03-21 - 2	15 MAY 2025	LDSP AD 2.24.10 STAR RNAV RWY 23 - 6	15 MAY 2025
LDSB AD 2.24.12 IAC NDB RWY 03 - 1	15 MAY 2025	LDSP AD 2.24.11 ATCSMAC - 1	15 MAY 2025
LDSB AD 2.24.12 IAC NDB RWY 03 - 2	15 MAY 2025	LDSP AD 2.24.11 ATCSMAC - 2	15 MAY 2025
LDSB AD 2.24.12 IAC VOR-a RWY 03/21 - 1	15 MAY 2025	LDSP AD 2.24.12 IAC NDB RWY 05 - 1	15 MAY 2025
LDSB AD 2.24.12 IAC VOR-a RWY 03/21 - 2	15 MAY 2025	LDSP AD 2.24.12 IAC NDB RWY 05 - 2	15 MAY 2025
LDSB AD 2.24.12 IAC NDB-a RWY 21 - 1	15 MAY 2025	LDSP AD 2.24.12 IAC ILSy or LOCy RWY 05 - 1	15 MAY 2025
LDSB AD 2.24.12 IAC NDB-a RWY 21 - 2	15 MAY 2025	LDSP AD 2.24.12 IAC ILSy or LOCy RWY 05 - 2	15 MAY 2025
LDSB AD 2.24.12 IAC NDB RWY 21 - 1	15 MAY 2025	LDSP AD 2.24.12 IAC ILSz or LOCz RWY 05 - 1	15 MAY 2025
LDSB AD 2.24.12 IAC NDB RWY 21 - 2	15 MAY 2025	LDSP AD 2.24.12 IAC ILSz or LOCz RWY 05 - 2	15 MAY 2025
LDSB AD 2.24.12 IAC RNP RWY 03 - 1	15 MAY 2025	LDSP AD 2.24.12 IAC RNP Y RWY 05 - 1	15 MAY 2025

Page	Date	Page	Date
LDSP AD 2.24.12 IAC RNP Y RWY 05 - 2	15 MAY 2025	LDZA AD 2.24.12 IAC L RWY 22 - 1	15 MAY 2025
LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only) - 1	15 MAY 2025	LDZA AD 2.24.12 IAC L RWY 22 - 2	15 MAY 2025
LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only) - 2	15 MAY 2025	LDZA AD 2.24.12 IAC ILS y or LOC y RWY 22 - 1	15 MAY 2025
LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only) - 3	15 MAY 2025	LDZA AD 2.24.12 IAC ILS y or LOC y RWY 22 - 2	15 MAY 2025
LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only) - 4	15 MAY 2025	LDZA AD 2.24.12 IAC ILS z or LOC z RWY 22 - 1	15 MAY 2025
LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 - 1	15 MAY 2025	LDZA AD 2.24.12 IAC ILS z or LOC z RWY 22 - 2	15 MAY 2025
LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 - 2	15 MAY 2025	LDZA AD 2.24.12 IAC RNP RWY 04 - 1	04 SEP 2025
LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 - 3	15 MAY 2025	LDZA AD 2.24.12 IAC RNP RWY 04 - 2	04 SEP 2025
LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 - 4	15 MAY 2025	LDZA AD 2.24.12 IAC RNP RWY 04 - 3	04 SEP 2025
LDSP AD 2.24.12 IAC VOR-b RWY 23 - 1	15 MAY 2025	LDZA AD 2.24.12 IAC RNP RWY 04 - 4	04 SEP 2025
LDSP AD 2.24.12 IAC VOR-b RWY 23 - 2	15 MAY 2025	LDZA AD 2.24.12 IAC RNP RWY 22 - 1	15 MAY 2025
LDSP AD 2.24.13 VAC RWY 23 - 1	15 MAY 2025	LDZA AD 2.24.12 IAC RNP RWY 22 - 2	15 MAY 2025
LDSP AD 2.24.13 VAC RWY 23 - 2	15 MAY 2025	LDZA AD 2.24.12 IAC RNP RWY 22 - 3	15 MAY 2025
LDSP AD 2.24.13 VOC - 1	15 MAY 2025	LDZA AD 2.24.12 IAC RNP RWY 22 - 4	15 MAY 2025
LDSP AD 2.24.13 VOC - 2	15 MAY 2025	LDZA AD 2.24.13 VOC - 1	15 MAY 2025
LDSP AD 2.24.14 BC - 1	08 MAR 2012	LDZA AD 2.24.13 VOC - 2	15 MAY 2025
LDSP AD 2.24.14 BC - 2	08 MAR 2012	LDZA AD 2.24.14 BC - 1	23 APR 2020
LDZA AD 2 - 1	30 NOV 2023	LDZA AD 2.24.14 BC - 2	23 APR 2020
LDZA AD 2 - 2	07 AUG 2025	LDZD AD 2 - 1	30 NOV 2023
LDZA AD 2 - 3	30 NOV 2023	LDZD AD 2 - 2	07 AUG 2025
LDZA AD 2 - 4	03 OCT 2024	LDZD AD 2 - 3	07 AUG 2025
LDZA AD 2 - 5	27 FEB 2020	LDZD AD 2 - 4	07 AUG 2025
LDZA AD 2 - 6	20 FEB 2025	LDZD AD 2 - 5	23 JAN 2025
LDZA AD 2 - 7	07 AUG 2025	LDZD AD 2 - 6	07 AUG 2025
LDZA AD 2 - 8	08 AUG 2024	LDZD AD 2 - 7	30 NOV 2023
LDZA AD 2 - 9	08 AUG 2024	LDZD AD 2 - 8	30 NOV 2023
LDZA AD 2 - 10	05 SEP 2024	LDZD AD 2 - 9	20 FEB 2025
LDZA AD 2 - 11	05 SEP 2024	LDZD AD 2 - 10	25 JAN 2024
LDZA AD 2 - 12	05 SEP 2024	LDZD AD 2 - 11	13 JUL 2023
LDZA AD 2 - 13	05 SEP 2024	LDZD AD 2 - 12	13 JUN 2024
LDZA AD 2 - 14	05 SEP 2024	LDZD AD 2 - 13	13 JUN 2024
LDZA AD 2 - 15	05 SEP 2024	LDZD AD 2 - 14	13 JUN 2024
LDZA AD 2 - 16	05 SEP 2024	LDZD AD 2 - 15	13 JUN 2024
LDZA AD 2 - 17	05 SEP 2024	LDZD AD 2 - 16	15 MAY 2025
LDZA AD 2 - 18	05 SEP 2024	LDZD AD 2 - 17	03 NOV 2022
LDZA AD 2 - 19	05 SEP 2024	LDZD AD 2 - 18	08 AUG 2024
LDZA AD 2 - 20	05 SEP 2024	LDZD AD 2.24.1 ADC - 1	23 MAY 2019
LDZA AD 2 - 21	05 SEP 2024	LDZD AD 2.24.1 ADC - 2	23 MAY 2019
LDZA AD 2 - 22	05 SEP 2024	LDZD AD 2.24.2 APDC - 1	12 JUN 2025
LDZA AD 2 - 23	05 SEP 2024	LDZD AD 2.24.2 APDC - 2	12 JUN 2025
LDZA AD 2 - 24	05 SEP 2024	LDZD AD 2.24.4 AOC RWY 04/22 - 1	05 OCT 2023
LDZA AD 2.24.1 ADC - 1	28 NOV 2024	LDZD AD 2.24.4 AOC RWY 13/31 - 1	05 OCT 2023
LDZA AD 2.24.1 ADC - 2	28 NOV 2024	LDZD AD 2.24.8 SID RWY 04 - 1	15 MAY 2025
LDZA AD 2.24.2 APDC EAST - 1	06 OCT 2022	LDZD AD 2.24.8 SID RWY 04 - 2	15 MAY 2025
LDZA AD 2.24.2 APDC EAST - 2	06 OCT 2022	LDZD AD 2.24.8 SID RNAV RWY 04 - 1	15 MAY 2025
LDZA AD 2.24.2 APDC WEST - 1	17 APR 2025	LDZD AD 2.24.8 SID RNAV RWY 04 - 2	15 MAY 2025
LDZA AD 2.24.2 APDC WEST - 2	17 APR 2025	LDZD AD 2.24.8 SID RNAV RWY 04 - 3	15 MAY 2025
LDZA AD 2.24.4 AOC RWY 04/22 - 1	26 MAR 2020	LDZD AD 2.24.8 SID RNAV RWY 04 - 4	15 MAY 2025
LDZA AD 2.24.6 PATC RWY 04 - 1	26 MAR 2020	LDZD AD 2.24.8 SID RWY 13 - 1	15 MAY 2025
LDZA AD 2.24.6 PATC RWY 04 - 2	26 MAR 2020	LDZD AD 2.24.8 SID RWY 13 - 2	15 MAY 2025
LDZA AD 2.24.8 SID RWY 04 - 1	15 MAY 2025	LDZD AD 2.24.8 SID RNAV RWY 13 - 1	15 MAY 2025
LDZA AD 2.24.8 SID RWY 04 - 2	15 MAY 2025	LDZD AD 2.24.8 SID RNAV RWY 13 - 2	15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 04 - 1	15 MAY 2025	LDZD AD 2.24.8 SID RNAV RWY 13 - 3	15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 04 - 2	15 MAY 2025	LDZD AD 2.24.8 SID RNAV RWY 13 - 4	15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 04 - 3	15 MAY 2025	LDZD AD 2.24.8 SID RWY 22 - 1	15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 04 - 4	15 MAY 2025	LDZD AD 2.24.8 SID RWY 22 - 2	15 MAY 2025
LDZA AD 2.24.8 SID RWY 22 - 1	15 MAY 2025	LDZD AD 2.24.8 SID RNAV RWY 22 - 1	15 MAY 2025
LDZA AD 2.24.8 SID RWY 22 - 2	15 MAY 2025	LDZD AD 2.24.8 SID RNAV RWY 22 - 2	15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 22 - 1	15 MAY 2025	LDZD AD 2.24.8 SID RWY 31 - 1	15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 22 - 2	15 MAY 2025	LDZD AD 2.24.8 SID RWY 31 - 2	15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 22 - 3	15 MAY 2025	LDZD AD 2.24.8 SID RNAV RWY 31 - 1	15 MAY 2025
LDZA AD 2.24.8 SID RNAV RWY 22 - 4	15 MAY 2025	LDZD AD 2.24.8 SID RNAV RWY 31 - 2	15 MAY 2025
LDZA AD 2.24.10 STAR RWY 04 - 1	15 MAY 2025	LDZD AD 2.24.8 SID RNAV RWY 31 - 3	15 MAY 2025
LDZA AD 2.24.10 STAR RWY 04 - 2	15 MAY 2025	LDZD AD 2.24.8 SID RNAV RWY 31 - 4	15 MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 04 - 1	15 MAY 2025	LDZD AD 2.24.10 STAR RWY 04 & 13/31 - 1	15 MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 04 - 2	15 MAY 2025	LDZD AD 2.24.10 STAR RWY 04 & 13/31 - 2	15 MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 04 - 3	15 MAY 2025	LDZD AD 2.24.10 STAR RNAV RWY 04 - 1	15 MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 04 - 4	15 MAY 2025	LDZD AD 2.24.10 STAR RNAV RWY 04 - 2	15 MAY 2025
LDZA AD 2.24.10 STAR RWY 22 - 1	15 MAY 2025	LDZD AD 2.24.10 STAR RNAV RWY 04 - 3	15 MAY 2025
LDZA AD 2.24.10 STAR RWY 22 - 2	15 MAY 2025	LDZD AD 2.24.10 STAR RNAV RWY 04 - 4	15 MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 22 - 1	15 MAY 2025	LDZD AD 2.24.10 STAR RNAV RWY 13 - 1	15 MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 22 - 2	15 MAY 2025	LDZD AD 2.24.10 STAR RNAV RWY 13 - 2	15 MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 22 - 3	15 MAY 2025	LDZD AD 2.24.10 STAR RNAV RWY 13 - 3	15 MAY 2025
LDZA AD 2.24.10 STAR RNAV RWY 22 - 4	15 MAY 2025	LDZD AD 2.24.10 STAR RNAV RWY 13 - 4	15 MAY 2025
LDZA AD 2.24.11 ATCSMAC - 1	15 MAY 2025	LDZD AD 2.24.10 STAR RNAV RWY 31 - 1	15 MAY 2025
LDZA AD 2.24.11 ATCSMAC - 2	15 MAY 2025	LDZD AD 2.24.10 STAR RNAV RWY 31 - 2	15 MAY 2025
LDZA AD 2.24.12 IAC L RWY 04 - 1	04 SEP 2025	LDZD AD 2.24.10 STAR RNAV RWY 31 - 3	15 MAY 2025
LDZA AD 2.24.12 IAC L RWY 04 - 2	04 SEP 2025	LDZD AD 2.24.10 STAR RNAV RWY 31 - 4	15 MAY 2025
LDZA AD 2.24.12 IAC ILS y or LOC y RWY 04 - 1	04 SEP 2025	LDZD AD 2.24.11 ATCSMAC - 1	15 MAY 2025
LDZA AD 2.24.12 IAC ILS y or LOC y RWY 04 - 2	04 SEP 2025	LDZD AD 2.24.11 ATCSMAC - 2	15 MAY 2025
LDZA AD 2.24.12 IAC ILS z or LOC z RWY 04 - 1	15 MAY 2025	LDZD AD 2.24.12 IAC VOR RWY 04 - 1	15 MAY 2025
LDZA AD 2.24.12 IAC ILS z or LOC z RWY 04 - 2	15 MAY 2025	LDZD AD 2.24.12 IAC VOR RWY 04 - 2	15 MAY 2025

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

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AIP page(s) affected	Amendment text	Introduced by AIP AMDT number:
1	2	3
LDDU AD 2.24.2 APDC -1	PRKG PSN G11 completely withdrawn.	AIRAC AIP AMDT 008/2025 (04 SEP 2025)
LDDU AD 2.16 LDDU AD 2.24.2 APDC -1	New HEL PRKG PSN H11 installed for HEMS use only: - COORD 423325.22N 0181617.74E - MAX radius 14.1 M - turning while hovering forbidden on H11 - H11 using new HEL hangar, S of H11 - HEL tow tractor used for MOV of HEL BTN hangar and H11.	AIRAC AIP AMDT 008/2025 (04 SEP 2025)

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GEN 0.6 TABLE OF CONTENTS TO PART 1

GEN 0 1

GEN 0.1 Preface	GEN 0.1 - 1
GEN 0.1.1. Name of the publishing organisation	GEN 0.1 - 1
GEN 0.1.2. Applicable ICAO documents	GEN 0.1 - 1
GEN 0.1.3. Publication media	GEN 0.1 - 1
GEN 0.1.4. The AIP structure and established regular amendment interval	GEN 0.1 - 1
GEN 0.1.5. Copyright policy	GEN 0.1 - 4
GEN 0.1.6. Service to contact in case of detected AIP errors or omissions	GEN 0.1 - 4
GEN 0.2 Record of AIP amendments	GEN 0.2 - 1
GEN 0.3 Record of AIP supplements	GEN 0.3 - 1
GEN 0.4 Checklist of AIP pages	GEN 0.4 - 1
GEN 0.5 List of hand amendments to the AIP	GEN 0.5 - 1
GEN 0.6 Table of contents to Part 1	GEN 0.6 - 1

GEN 1 National regulations and requirements 1

GEN 1.1 Designated authorities	GEN 1.1 - 1
GEN 1.1.1. Civil Aviation	GEN 1.1 - 1
GEN 1.1.2. Meteorology	GEN 1.1 - 2
GEN 1.1.3. Customs	GEN 1.1 - 2
GEN 1.1.4. Immigration	GEN 1.1 - 2
GEN 1.1.5. Health	GEN 1.1 - 3
GEN 1.1.6. Charges	GEN 1.1 - 3
GEN 1.1.7. Agricultural quarantine	GEN 1.1 - 3
GEN 1.1.8. Aircraft accidents investigation	GEN 1.1 - 3
GEN 1.1.9. Military Aviation	GEN 1.1 - 4
GEN 1.1.10. Other designated authorities	GEN 1.1 - 4
GEN 1.2 Entry, transit and departure of aircraft	GEN 1.2 - 1
GEN 1.2.1 General provisions	GEN 1.2 - 1
GEN 1.2.2 Scheduled Air services	GEN 1.2 - 4
GEN 1.2.3 Non-scheduled Air services	GEN 1.2 - 5
GEN 1.2.4 Requirements for authorization of scheduled and non-scheduled air services	GEN 1.2 - 6
GEN 1.2.5 Non-commercial flights (flights carried out without remuneration or other valuable consideration)	GEN 1.2 - 6
GEN 1.2.6 Special provisions with regard to granting flight authorization to foreign state aircraft	GEN 1.2 - 6
GEN 1.2.7 Designated authorities and contacts	GEN 1.2 - 8
GEN 1.2.8 Addenda	GEN 1.2 - 11
GEN 1.3 Entry, transit and departure of passengers and crew	GEN 1.3 - 1
GEN 1.3.1 Customs requirements	GEN 1.3 - 1
GEN 1.3.2 Immigration requirements	GEN 1.3 - 3
GEN 1.3.3 Public health regulations	GEN 1.3 - 9
GEN 1.4 Entry, transit and departure of cargo	GEN 1.4 - 1
GEN 1.4.1 Plants and plant products	GEN 1.4 - 1
GEN 1.4.2 Veterinarian requirements	GEN 1.4 - 1
GEN 1.4.3 Border Sanitary Inspection	GEN 1.4 - 1
GEN 1.5 Aircraft instruments, equipment and flight documents	GEN 1.5 - 1
GEN 1.5.1 General	GEN 1.5 - 1
GEN 1.5.2 Equipment to be carried	GEN 1.5 - 1
GEN 1.5.3 Equipment to be carried on all internal and on certain flights	GEN 1.5 - 2
GEN 1.5.4 Reduced vertical separation minimum (RVSM) operations	GEN 1.5 - 3
GEN 1.5.5 Mode S procedures - display of downlinked aircraft parameters (DAP)	GEN 1.5 - 3
GEN 1.6 Summary of national regulations and international agreements/conventions	GEN 1.6 - 1
GEN 1.6.1. National regulations	GEN 1.6 - 1
GEN 1.6.2. International agreements/conventions	GEN 1.6 - 1
GEN 1.6.3. EU regulations	GEN 1.6 - 2
GEN 1.7 Differences from ICAO Standards, Recommended Practices and Procedures	GEN 1.7 - 1

GEN 1.7.1. Data not compliant with data quality requirements of Commission Implementing Regulation (EU) 2017/373 . .
GEN 1.7 - 22

GEN 2 Tables and codes 1

GEN 2.1 Measuring system, aircraft markings, holidays	GEN 2.1 - 1
GEN 2.1.1. Units of measurement	GEN 2.1 - 1
GEN 2.1.2. Temporal reference system	GEN 2.1 - 1
GEN 2.1.3. Horizontal reference system	GEN 2.1 - 2
GEN 2.1.4. Vertical reference system	GEN 2.1 - 3
GEN 2.1.5. Aircraft nationality and registration marks	GEN 2.1 - 4
GEN 2.1.6. Public holidays	GEN 2.1 - 4
GEN 2.2 Abbreviations used in AIS publications	GEN 2.2 - 1
GEN 2.3 Chart symbols	GEN 2.3 - 1
GEN 2.3.1. Aerodromes	GEN 2.3 - 1
GEN 2.3.2. Aerodrome charts	GEN 2.3 - 2
GEN 2.3.3. Aerodrome obstacle charts (Type A)	GEN 2.3 - 4
GEN 2.3.4. Radio navigation aids	GEN 2.3 - 5
GEN 2.3.5. Air Traffic Services	GEN 2.3 - 7
GEN 2.3.6. Obstacles	GEN 2.3 - 10
GEN 2.3.7. Miscellaneous	GEN 2.3 - 10
GEN 2.4 Location indicators	GEN 2.4 - 1
GEN 2.5 List of radio navigation aids	GEN 2.5 - 1
GEN 2.6 Conversion of units of measurement	GEN 2.6 - 1
GEN 2.7 Sunrise / Sunset	GEN 2.7 - 1

GEN 3 Services 1

GEN 3.1 Aeronautical information services	GEN 3.1 - 1
GEN 3.1.1 Responsible service	GEN 3.1 - 1
GEN 3.1.2 Area of responsibility	GEN 3.1 - 2
GEN 3.1.3 Aeronautical publications	GEN 3.1 - 2
GEN 3.1.4 AIRAC System	GEN 3.1 - 5
GEN 3.1.5 Pre-flight information services at aerodromes/heliports	GEN 3.1 - 6
GEN 3.1.6 Digital data sets	GEN 3.1 - 6
GEN 3.2 Aeronautical charts	GEN 3.2 - 1
GEN 3.2.1. Responsible services	GEN 3.2 - 1
GEN 3.2.2. Maintenance of charts	GEN 3.2 - 1
GEN 3.2.3. Purchase arrangements	GEN 3.2 - 1
GEN 3.2.4. Aeronautical charts series available	GEN 3.2 - 1
GEN 3.2.5. List of aeronautical charts available	GEN 3.2 - 5
GEN 3.2.6. Index to the World Aeronautical Chart (WAC) - ICAO 1: 1 000 000	GEN 3.2 - 5
GEN 3.2.7. Topographical charts	GEN 3.2 - 5
GEN 3.2.8. Corrections to charts not contained in the AIP	GEN 3.2 - 5
GEN 3.3 Air traffic services (ATS)	GEN 3.3 - 1
GEN 3.3.1. Responsible service	GEN 3.3 - 1
GEN 3.3.2. Area of responsibility	GEN 3.3 - 2
GEN 3.3.3. Types of services	GEN 3.3 - 2
GEN 3.3.4. Coordination between the operator and ATS	GEN 3.3 - 3
GEN 3.3.5. Minimum flight altitude	GEN 3.3 - 3
GEN 3.3.6. ATS units address list	GEN 3.3 - 3
GEN 3.4 Communication services	GEN 3.4 - 1
GEN 3.4.1. Responsible service	GEN 3.4 - 1
GEN 3.4.2. Area of responsibility	GEN 3.4 - 1
GEN 3.4.3. Types of services	GEN 3.4 - 2
GEN 3.4.4. Requirements and conditions	GEN 3.4 - 7
GEN 3.4.5. Miscellaneous	GEN 3.4 - 8
GEN 3.5 Meteorological services	GEN 3.5 - 1
GEN 3.5.1 Responsible service	GEN 3.5 - 1
GEN 3.5.2 Area of responsibility	GEN 3.5 - 1
GEN 3.5.3 Meteorological observations and reports	GEN 3.5 - 1
GEN 3.5.4 Types of Service	GEN 3.5 - 5

GEN 3.5.5 Notification required from operators	GEN 3.5 - 7
GEN 3.5.6 Aircraft reports	GEN 3.5 - 7
GEN 3.5.7 VOLMET service	GEN 3.5 - 8
GEN 3.5.8 SIGMET and AIRMET service	GEN 3.5 - 8
GEN 3.5.9 Other automated meteorological services	GEN 3.5 - 10
GEN 3.6 Search and rescue (SAR)	GEN 3.6 - 1
GEN 3.6.1 Responsible service	GEN 3.6 - 1
GEN 3.6.2 Area of responsibility	GEN 3.6 - 2
GEN 3.6.3 Types of services	GEN 3.6 - 2
GEN 3.6.4 SAR agreements	GEN 3.6 - 2
GEN 3.6.5 Conditions of availability	GEN 3.6 - 2
GEN 3.6.6 Procedures and signals used	GEN 3.6 - 2
GEN 4 Charges for aerodromes/heliports and air navigation services (ANS) 1	
GEN 4.1 Aerodrome/heliport charges	GEN 4.1 - 1
GEN 4.1.1. Landing of aircraft	GEN 4.1 - 1
GEN 4.1.2. Handling charges.	GEN 4.1 - 6
GEN 4.1.3. Parking, hangarage and long-term storage of aircraft.	GEN 4.1 - 15
GEN 4.1.4. Passenger service.	GEN 4.1 - 19
GEN 4.1.5. Security	GEN 4.1 - 21
GEN 4.1.6. Noise-related items	GEN 4.1 - 23
GEN 4.1.7. Other	GEN 4.1 - 24
GEN 4.1.8. Exemptions and reductions	GEN 4.1 - 28
GEN 4.1.9. Methods of payment	GEN 4.1 - 37
GEN 4.2 Air navigation services charges	GEN 4.2 - 1
GEN 4.2.1. Approach control	GEN 4.2 - 1
GEN 4.2.2. ANS Route.	GEN 4.2 - 3
GEN 4.2.3. Cost basis for ANS and exemptions/reductions	GEN 4.2 - 3
GEN 4.2.4. Methods of payment	GEN 4.2 - 4

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GEN 1.2 ENTRY, TRANSIT AND DEPARTURE OF AIRCRAFT

GEN 1.2.1 GENERAL PROVISIONS

International flights to, from and over the territory of the Republic of Croatia are subject to applicable Croatian regulations in the field of civil aviation (Air Traffic Act OG 69/09, 84/11, 54/13, 127/13, 92/14, Ordinance on Flight Authorization of Foreign Aircraft in Croatian Airspace (OG 50/17, 138/23, 19/25), Transportation of Dangerous Goods Act (OG 79/07, 70/17), Ordinance on terms and conditions for transport of dangerous goods by air (Official Gazette No. 50/25), Act on Compulsory Insurance within the Transport Sector OG 151/05, 36/09, 75/09, 76/13, 152/14) and applicable EU law. These regulations correspond in all the essentials to the Standards and Recommended Practices contained in Annex 9 to the Convention on International Civil Aviation.

GEN 1.2.1.1 Flights of Foreign Aircraft in Croatian Airspace

GEN 1.2.1.1.1 Foreign aircraft may operate in the Croatian airspace upon authorization only, unless otherwise stipulated by an international agreement binding on the Republic of Croatia or EU regulations.

GEN 1.2.1.1.2 The authorization under GEN 1.2.1.1.1 shall be issued for:

1. Foreign military aircraft by the ministry responsible for foreign affairs upon consent of the ministry responsible for defence affairs,
2. Foreign state aircraft, except aircraft referred to in item 1. by the ministry responsible for foreign affairs upon consent of the ministry for defence affairs and the Croatian Civil Aviation Agency (hereinafter Agency),
3. Foreign civil aircraft by the Agency,
4. Foreign civil aircraft whose operation is not covered by bilateral and multilateral agreements binding on the Republic of Croatia, by the Agency after seeking the opinion of the ministry responsible for civil aviation.

GEN 1.2.1.1.3 In accordance with Article 15 of Regulation (EC) No 1008/2008 of the European Parliament and Council of 24 September 2008 on common rules for the operation of air services in the Community, the air carriers of the member states of the European Economic Area (European Union, Norway, Iceland and Liechtenstein) shall have the right to operate air services into, from and within the Republic of Croatia without any authorization, but have to provide the Agency with a written notification detailing important elements of the flight. The same traffic rights, other than cabotage rights, applies to Swiss air carriers in accordance with the agreement between European Union and Switzerland.

GEN 1.2.1.1.4 Air carriers subjected to the operating ban within the European Union are not allowed to operate in the Croatian airspace, pursuant to the Regulation (EC) No. 2111/2005 of the European parliament and of the Council of 14 December 2005 on the establishment of a Community list of air carriers subject to an operating ban within the Community and on informing air transport passengers of the identity of the operating air carrier, and repealing Article 9 of Directive 2004/36/EC.

GEN 1.2.1.1.5 Third Country Operators (TCO) engaging in scheduled or non-scheduled commercial air transport operations into, within or out of a territory subject to the provisions of the Treaty of Lisbon, must hold a safety authorization issued by the European Aviation Safety Agency (EASA TCO authorization) in accordance with Regulation (EU) 452/2014 laying down technical requirements and administrative procedures related to air operations of third country operators, as amended. This includes operators which are wet leased-in by, or code-sharing with, an EU operator when commercial flights to any territory subject to the provisions of the Treaty of Lisbon are performed. An EASA TCO authorization is not required for operators only overflying the above mentioned EU territories without a planned landing.

EU Member States continue to be responsible for granting traffic rights in commercial air transport (scheduled and non-scheduled). The safety authorization issued by EASA is one prerequisite in the process of obtaining an operating permit, or equivalent document, under existing Air Service Agreements between EU Member States and third countries.

One-off notification flights

Exceptionally, third country operator not holding EASA TCO Authorisation, may perform:

1. flights that are performed in the public interest, to address an urgent need, such as humanitarian missions and disaster relief operations;
2. air ambulance flights that are performed to move sick or injured patients between healthcare facilities or deliver patient medical care.

The flight/flights specified in the notification may be performed for the period requested by the third country operator, but no longer than for a maximum of 12 consecutive weeks after the date of notification or until EASA has communicated the formal decision on the application for a TCO authorization, whichever occurs first. One-off notifications may be filed only once every 24 months by an operator.

For more information please visit the EASA website <http://easa.europa.eu/TCO>.

GEN 1.2.1.2 Sport and Recreational Aircraft Flights in Croatian Airspace

Definition of sport and recreational aircraft: airplane, gyroplane or helicopter which is non-complex aircraft, but it is:

- a. amateur built aircraft with maximum take-off mass 1000 KG,
- b. historical aircraft with maximum take-off mass 1000 KG,
- c. ex-military aircraft with maximum take-off mass 1000 KG,
- d. replica of historical or ex-military aircraft with maximum take-off mass 1000 KG,
- e. microlight aircraft,
- f. microlight helicopter,
- g. gyroplane with maximum take-off mass 560 KG,
- h. specifically regulated airplane,
- i. specifically regulated helicopter, or
- j. specifically regulated gyroplane;

when Regulation (EC) 2018/1139 of the European Parliament and of the Council of 04 July 2018 on common rules in the field of civil aviation and establishing a European Union Aviation Safety Agency is not applied to them.

GEN 1.2.1.2.1 Flight Plan

Procedures for submitting a flight plan are defined in AIP ENR 1.10.

GEN 1.2.1.2.2 Instruments and Equipment of Sport and Recreational Aircraft

Sport and recreational aircraft must be equipped with instruments and equipment according to GEN 1.5, and manufacturer's specifications and at least with the means for measuring and displaying of:

- a. magnetic heading,
- b. barometric height,
- c. indicated airspeed (IAS),

- d. time in hours, minutes and seconds (it is acceptable to use a wristwatch)
- e. slip of aircraft for gyroplanes and helicopters, and
- f. the amount of fuel during flight.

In the case of aircraft that are primarily controllable by changing the centre of gravity, the means of measuring and displaying the indicated airspeed (IAS) is not necessary if they are not used for training.

A person flying in a sport and recreational aircraft that does not have a fully enclosed cabin must wear a helmet with a protective visor or goggles on the head during flight operations.

GEN 1.2.1.2.3 Special Requirements for Flying and Operating Foreign Sport and Recreational Aircraft in the Republic of Croatia

Foreign sport and recreational aircraft can be flown in the Croatian airspace if:

- a. The aircraft has a valid Certificate of Airworthiness in accordance with the regulations of the aircraft's country of registration,
- b. The aircraft is equipped with instruments and equipment in accordance with GEN 1.2.1.2.2 and as it is requested on the flight route,
- c. The aircraft must be insured in accordance with the Regulation (EC) No 785/2004 of the European Parliament and of the Council of 21 April 2004 on insurance requirements for air carriers and aircraft operators, governing mandatory insurance for the aircraft, and
- d. The aircraft is not used for operations for which remuneration is received, except in the case of conducting training or participation in flying displays or competitions.

Foreign sport and recreational aircraft in Croatian airspace can be flown by a pilot who is authorized to fly sport and recreational aircraft in compliance with the applicable requirements of the aircraft's country of registration.

GEN 1.2.1.3 Aircraft Landing and Taking off in International Air Traffic

GEN 1.2.1.3.1 Foreign aircraft entering or leaving the territory of the Republic of Croatia to/from outside the countries of the Schengen area, shall make their first landing at, and final take-off from, international airport with customs and passport services (see AIP LDDU AD 2, LDLO AD 2, LDOS AD 2, LDPL AD 2, LDRI AD 2, LDSB AD 2, LDSP AD 2, LDZA AD 2, LDZD AD 2).

By way of an exception, the first landing of aircraft entering, or final take off of aircraft leaving the territory of the Republic of Croatia shall be permitted at other airports for public or special air services if the airport operator can otherwise ensure adherence to state border crossing regulations at own expense (see VFR Manual).

GEN 1.2.1.3.2 Foreign aircraft entering or leaving the territory of the Republic of Croatia to/from abroad within the countries of the Schengen area can make their landing at and take off from, any aerodrome or operating site without customs and border control.

GEN 1.2.1.4 Compulsory Insurance Information

In order to operate in the Croatian airspace and/or land on the territory of the Republic of Croatia, every foreign air carrier or aircraft operator is required to have liability insurance for damages caused to passengers, baggage, cargo and third parties, in accordance with the Regulation (EC) No 785/2004 of the European Parliament and of the Council of 21 April 2004 on insurance requirements for air carriers and aircraft operators.

Insurance certificate or any other evidence of insurance shall list all insured risks and must include statement that it is issued in compliance with Regulation (EC) No. 785/2004.

GEN 1.2.1.5 Overflight and Technical Landing

GEN 1.2.1.5.1 No permit shall be required for foreign civil aircraft registered in a State that has acceded to the Chicago Convention for overflying or performing technical landing into the territory of the Republic of Croatia. Overflight authorization must be obtained in the case of:

- transport of dangerous goods in accordance with the provisions of the Ordinance on Flight Authorization of Foreign Aircraft in Croatian Airspace,
- transport of weapons of war and ammunition and
- when the aircraft does not hold a standard airworthiness certificate.

GEN 1.2.1.5.2 The provisions of GEN 1.2.1.5.1 shall not apply for overflight and technical landing on the territory of the Republic of Croatia of foreign state aircraft.

GEN 1.2.1.6 Transport of Dangerous Goods

The transport of dangerous goods by air is regulated by Annex 18 of the Chicago Convention, titled 'The Safe Transport of Dangerous Goods by Air,' and the Technical Instructions for the Safe Transport of Dangerous Goods by Air issued by the International Civil Aviation Organization (ICAO), including the corrigendum and addendum published by the ICAO Council (ICAO Doc 9284-AN/905).

The third country operator (TCO) needs to apply to designated authority under GEN 1.2.7.1 for an operating permit for each individual flight concerning transport of dangerous goods to the Agency on the application form published on the Agency' website (FAO FRM-006) and submit the Shipper's Declaration for Dangerous Goods and other required documentation at least seven (7) working days before the day of the planned flight.

When transporting by air dangerous goods which are forbidden under normal circumstances in accordance with ICAO Annex 18 and Part 1,1.1.3 of the Technical Instructions for the safe transport of dangerous goods by air (Doc 9284) air operator (from European country and TCO) needs to apply for exemption to designated authority under 1.2.7.3.

In accordance with ICAO State Variation (HR 4), for the transport of Class 7 please contact designated authority under GEN 1.2.7.4.

In accordance with ICAO State Variation (HR 5), for the transport of Class 1 please contact designated authority under GEN 1.2.7.5.

GEN 1.2.1.7 Flights that do not require an Authorization

No authorization shall be required for:

- Private (non-commercial) flights of foreign civil aircraft registered in a State that has acceded to the Chicago Convention,
- Overflights and technical landings of foreign civil aircraft registered in a State that has acceded to the Chicago Convention, except overflights carrying dangerous goods,
- Medical emergency flights,
- Flights involving emergency landing,
- Humanitarian assistance flights,
- Search and rescue operations,
- Flights with no authorization required under the Air Traffic Act or special regulations.

Prior to commencing flights in items: a), c), and e) aircraft operators must notify the Agency in written form.

GEN 1.2.2 SCHEDULED AIR SERVICES

Foreign aircraft operators may provide scheduled air services in the Republic of Croatia in accordance with bilateral or multilateral international air service agreements binding on the Republic of Croatia.

Foreign aircraft operators intending to operate scheduled air services in the Republic of Croatia must previously be designated in writing by the aviation authorities of the country of their principal place of business, unless otherwise stipulated in an international agreement. The notification designating a specific aircraft operator shall be provided by the aviation authorities of the aircraft operator's country to the ministry responsible for civil aviation.

GEN 1.2.2.1 Request for Authorization of Scheduled Air Services

Written request for scheduled air services authorization is submitted to the Agency thirty days before the date of the first flight unless otherwise stipulated in an international agreement binding on the Republic of Croatia. The request is submitted in the form of a flight schedule on the application form which can be found on the Agency's website.

Summer and winter flight schedules are established separately, unless otherwise stipulated in the Air Traffic Act or in an international agreement binding on the Republic of Croatia.

Request for the authorization of code-shared scheduled air services must be submitted separately by the operating and the marketing carrier.

The foreign aircraft operator shall submit to the Agency for authorization any subsequent changes that are related to previously authorized flights without delay.

GEN 1.2.3 NON-SCHEDULED AIR SERVICES

Operation of non-scheduled air services shall be authorized in accordance with international agreements binding to the Republic of Croatia and the provisions of the Air Traffic Act.

Foreign aircraft operators are required to operate non-scheduled air services in compliance with the issued authorization.

GEN 1.2.3.1 Request for Authorization of Non-scheduled Air Services

A foreign aircraft operator shall apply to the Agency with a written request for non-scheduled air services authorization by completing the non-scheduled air services authorization form, as follows:

- a. For one to four non-scheduled flights, not later than three working days prior to the date of the planned flight,
- b. For a series of non-scheduled flights, no later than fifteen working days prior to the date of the first planned flight.

A request for issuance of a Block permit for conducting ad-hoc non-scheduled air services for a specified time period can be submitted by foreign aircraft operator of a State that has concluded a contract or an agreement with the Republic of Croatia on the issuance of Block permits.

The application forms can be found on the Agency's website.

The foreign aircraft operator shall submit to the Agency for authorization any subsequent changes that are relating to previously authorized flight/flights without delay.

GEN 1.2.3.2 Requirements for Authorization of the Fourth, Fifth and Seventh Freedom of the Air Traffic Rights for Non-Scheduled Air Services

Traffic rights of the Fourth, Fifth and Seventh Freedom of the Air may exceptionally be granted to a foreign aircraft operator under the following conditions:

- a. There is a reciprocity in such rights to be granted to Croatian air carriers by the country of the operator which is requesting such rights and,
- b. The foreign aircraft operator has previously obtained non-objection letters for such air service from all Croatian air carriers, unless stipulated otherwise by an international agreement binding on the Republic of Croatia or the Air Traffic Act.

A foreign aircraft operator shall submit an application form to the Agency according to deadlines from GEN 1.2.3.1 together with non-objection letters obtained from all Croatian operators and evidence of compliance with requirements stipulated in GEN 1.2.4., otherwise the Agency can not guarantee timely issuance of an authorization.

The non-scheduled air services authorization shall be issued by the Agency upon the positive prior opinion provided by the ministry responsible for civil aviation.

GEN 1.2.4 REQUIREMENTS FOR AUTHORIZATION OF SCHEDULED AND NON-SCHEDULED AIR SERVICES

Aircraft operator must hold EASA TCO Authorization or send valid one-off notification in accordance with GEN 1.2.1.1.5 and submit copies of the following documents together with the application form:

1. Charter agreement for the carriage of passengers or cargo, or equivalent document in English language concluded between the operator and the charterer in case of non-scheduled air services;
2. Aircraft Operator's Certificate of Insurance against liability for damage to passengers, baggage, cargo/ mail and third parties according to Regulation (EC) No 785/2004 on insurance requirements of air carriers and aircraft operators;
3. On request, the Security Programme in English language, certificate that the Security Programme has been approved by the competent aviation authorities of the country of the aircraft operator and Security Manager contact info;
4. In case of carrying cargo and/or mail from third country airports: "Air Cargo or Mail Carrier operating into the Union from a Third Country Airport" designation (ACC3), according to Commission Regulations (EC) No. 300/2008 and 2015/1998, when applicable;
5. Non-objection letters obtained from Croatian operators according to GEN 1.2.3.2 when applicable; and
6. On request, other relevant information or documentation relating to the specific operation.

The foreign aircraft operator shall submit to the Agency for authorization any subsequent changes that are relating to previously authorized flights without delay.

GEN 1.2.4.1 Issuance of Authorization

The authorization for scheduled or non-scheduled air services shall be issued in writing by the Agency to the aircraft operator and shall contain flight information submitted by the aircraft operator, authorization number, as well as conditions and limitations.

GEN 1.2.4.2 Refusal of Authorization

Flight authorization shall not be issued if one of the conditions listed in GEN 1.2.4 has not been met and if:

1. The aircraft operator is subject to the operating ban in accordance with Regulation (EC) No 2111/2005 of the European Parliament and of the Council of 14th December 2005 on the establishment of a Community list of air carriers subject to an operating ban within the Community and on informing air transport passengers of the identity of the operating air carrier, or,
2. The ministry responsible for civil aviation has not issued a positive opinion on the submitted request for flight authorization in accordance with the Air Traffic Act and GEN 1.2.3.2.

GEN 1.2.5 NON-COMMERCIAL FLIGHTS (FLIGHTS CARRIED OUT WITHOUT REMUNERATION OR OTHER VALUABLE CONSIDERATION)

For non-commercial flights of foreign aircraft within the territory of the Republic of Croatia, no entry, transit or transport permission is required if the aircraft is registered in the ICAO member state. Aircraft operator shall indicate the purpose (type) of the flight in the flight plan and declare it as non-commercial (private) flight.

GEN 1.2.6 SPECIAL PROVISIONS WITH REGARD TO GRANTING FLIGHT AUTHORIZATION TO FOREIGN STATE AIRCRAFT

Diplomatic clearance for foreign state aircraft for overflight of the Croatian airspace or landing in the territory of the Republic of Croatia can be issued as single or annual diplomatic clearance.

GEN 1.2.6.1 Application for Single Diplomatic Clearance of Foreign State Aircraft for Flying in the Croatian Airspace

Single diplomatic clearance application of foreign state aircraft for flying in the Croatian airspace shall be submitted by foreign diplomatic missions or consular offices accredited in the Republic of Croatia to the ministry responsible for foreign affairs:

1. five (5) working days before the planned flight,
2. seven (7) working days before the planned flight if the aircraft is transporting dangerous goods.

An application for granting a single diplomatic clearance shall be submitted on a Diplomatic Clearance Application Form as shown in GEN 1.2.8 Addendum A.

GEN 1.2.6.2 Granting Single Diplomatic Clearances

A clearance is granted to the applicant by diplomatic means by filling the Diplomatic Overflight/Landing Clearance Number of Foreign State Aircraft on the submitted Diplomatic Clearance Application Form from GEN 1.2.6.1.

GEN 1.2.6.3 Granting Annual Diplomatic Clearance

GEN 1.2.6.3.1 An Annual Diplomatic Clearance granting procedure for overflight and landing of foreign state aircraft is conducted by the ministry responsible for foreign affairs upon request of diplomatic mission or consular office of the applicant state.

GEN 1.2.6.3.2 An Annual Diplomatic Clearance may be also granted upon request by an international organization in case where the Republic of Croatia is bound to grant such clearances pursuant to assumed commitments.

GEN 1.2.6.3.3 Fulfilment of reciprocity conditions for the issuance of the Annual Diplomatic Clearance for foreign state aircraft is established by the ministry responsible for foreign affairs. Reciprocity refers to the existence of legal conditions for the issuance of Annual Diplomatic Clearance for Croatian state aircraft.

GEN 1.2.6.3.4 An Annual Diplomatic Clearance can be granted for the following purposes:

- the transport of persons who enjoy a special status,
- the transport of the diplomatic mail,
- humanitarian missions,
- transportation of staff and/or materials,
- search and rescue tasks,
- firefighting activities,
- overhaul tasks,
- accompaniment and exercise to navigate transport aircraft or connecting aircraft,
- accompaniment or exercises to navigate combat aircraft,
- flights performed for the purpose of NATO Air Policing (AP) mission.

The form for Annual Diplomatic Clearance for State Aircraft Overflight/Landing in the Republic of Croatia is published in GEN 1.2.8. Addendum B.

GEN 1.2.6.4 Requirements for Granting Diplomatic Clearances

For the purpose of granting a diplomatic clearance, the applicant is required to fulfil reciprocity requirements that the respective state demands for granting clearances to flights of Croatian state aircraft.

GEN 1.2.6.5 Refusal of Diplomatic Clearances

GEN 1.2.6.5.1 A diplomatic clearance from GEN 1.2.6.2 and GEN 1.2.6.3 shall not be granted if:

1. complete flight data has not been submitted,
2. the subject flight is not a foreign state aircraft flight,

3. clearance issuance would endanger national safety,
4. the ministry responsible for foreign affairs does not receive prior consent under GEN 1.2.1.1.2,
5. internationally binding commitments are violated by granting such clearance,
6. the reciprocity conditions are not fulfilled.

GEN 1.2.6.5.2 In cases under GEN 1.2.6.5.1, the ministry responsible for foreign affairs advises the applicant on the refusal of diplomatic clearance by diplomatic means.

GEN 1.2.6.6 Issuance of Diplomatic Clearances for the needs of NATO Response Forces

GEN 1.2.6.6.1 Diplomatic clearance for NATO Response Forces (NRF) is issued by the ministry responsible for foreign affairs with the consent of the ministry responsible for defense affairs, as an annual diplomatic clearance or as a case by case diplomatic clearance.

GEN 1.2.6.6.2 As an exception from the provisions under GEN 1.2.6.6.1, diplomatic clearance for the needs of NRF can be issued as a General Diplomatic Clearance during a crisis and for carrying out NRF exercises in the Republic of Croatia.

GEN 1.2.6.6.3 Annual diplomatic clearance for the needs of NRF for military transport aircraft and leased civil transport aircraft for NRF needs is issued on request filed by the authorized NATO Command at least fifteen (15) working days before the planned one-year period.

GEN 1.2.6.6.4 Case by case diplomatic clearance for the needs of NRF for air-to-air refueling aircraft, combat aircraft, combat support aircraft, aircraft carrying dangerous substances (explosive mines, bombs, rockets, different types of ammunition, etc.) and other aircraft according to the NRF Command decision, is issued on request filed by the authorized NATO Command at least three (3) working days before the planned flight.

GEN 1.2.6.6.5 General diplomatic clearance during a crisis is issued on request filed by the authorized NATO Command at least two (2) working days before the planned flight.

GEN 1.2.6.6.6 General diplomatic clearance for the exercises performed by the NRF, and the aircraft participating in the said exercises, is issued on request filed by the authorized NATO Command at least fifteen (15) working days before the planned exercise.

GEN 1.2.6.6.7 Request for the issuance of diplomatic clearance stated in GEN 1.2.6.6.1 and GEN 1.2.6.6.2 is submitted on the Annual/Case by Case/General Diplomatic Clearance Application Form, which content is shown in GEN 1.2.8 Addendum C.

GEN 1.2.7 DESIGNATED AUTHORITIES AND CONTACTS

GEN 1.2.7.1 Authorization requests for entry, transit and provision of scheduled and non-scheduled air services of foreign civil aircraft and transport of dangerous goods shall be addressed to:

Croatian Civil Aviation Agency
Flight Authorization Section
Ulica grada Vukovara 284
10000 Zagreb
Croatia

URL: www.ccaa.hr

Email: flight-authorization@ccaa.hr

Phone: +385 1 2369 350

Fax: +385 1 2369 301

Working hours:
MON-FRI from 0700-1500 (0600-1400) UTC

GEN 1.2.7.2 Authorization requests for overflight and landing of foreign state aircraft (for military, customs and police

purposes, and for transport of persons who enjoy special status) shall be addressed to:

Ministry of Foreign and European Affairs of the Republic of Croatia
Directorate-General for Consular Affairs
Directorate for Visas and Foreigners, Division for Foreigners
Petreticev trg 2
10000 Zagreb
Croatia

URL: <https://mvep.gov.hr/en>

Email: stranci@mvep.hr

Phone: + 385 1 4599 314
+ 385 1 4599 400

Operational hours:
Summer time: workdays only, 0600-1400 UTC
Winter time: workdays only, 0700-1500 UTC

GEN 1.2.7.3 For Exemption from the Technical Instructions for the Safe Transport Of Dangerous Goods by Air, contact:

Croatian Civil Aviation Agency
Flight Operations and Training Department
Ulica grada Vukovara 284
10000 Zagreb
Croatia

URL: www.ccaa.hr

Email: dg@ccaa.hr

Phone: +385 1 2369 356

Fax: +385 1 2369 301

GEN 1.2.7.4 For transportation of radioactive materials to and from the Republic of Croatia, the operator must ensure that the consignor/consignee is in possession of a prior approval. Application for prior approval may be addressed to:

Ministry of the Interior
Civil Protection Directorate (CPD), Sector for Radiological and Nuclear Safety
Nehajska 5
10000 Zagreb
Croatia

URL: <https://civilna-zastita.gov.hr/podrucja-djelovanja/radioloska-i-nuklearna-sigurnost/88>

Email: sektor.rns@civilna-zastita.hr

Phone: +385 1 3855 706

Fax: +385 1 3788 599

GEN 1.2.7.5 For transportation of explosives to and from the Republic of Croatia, the operator must ensure that the consignor/consignee is in possession of a prior approval. Application for prior approval may be addressed to:

Ministry of the Interior
Administrative and Inspection Authority
Ulica grada Vukovara 33
10000 Zagreb
Croatia

URL: www.mup.hr

Email: pitanja@mup.hr

Email: policija@mup.hr

Phone: +385 1 6122 111

GEN 1.2.8 ADDENDA

Addendum A - Diplomatic clearance application form for state aircraft overflight/landing in the Republic of Croatia

 DIPLOMATIC CLEARANCE APPLICATION FORM FOR STATE AIRCRAFT OVERFLIGHT/LANDING IN THE REPUBLIC OF CROATIA (Please complete the form in block letters or type)			
(applicant – diplomatic mission)			
1. Nationality of A/C		2. Owner/Operator	
3. Military or civil, police, customs A/C		4. PIC and No. of crew members	
5. Type and No. of A/C (and alt. if any)		6. A/C call sign or/and flt. No. (and alt. if any)	
7. A/C Registration (and alt. if any)			
8. Airport of departure (date, time in UTC)		9. Airport of destination (date, time in UTC)	
10. Entry point into Croatian airspace (date, time in UTC)			
11. Exit point from Croatian airspace (date, time in UTC)			
12. Route of flight within Croatian airspace			
13. Airport in Croatia (date, time in UTC of arrival and departure)			
14. Purpose of flight (names and titles of VIP passengers if any)			
15. Explicit indication of whether or not the A/C transports any hazardous material, weapons and ammo (use UN classification system)			
16. Fixed armaments, optical, reconnaissance or electronic warfare equipment			
17. Remarks			18. Validity requested (max 2 additional days)
Reserved for Croatian authorities:			
Diplomatic overflight/landing clearance No:			
DC-			
DUTY OFFICER			
File: 343-09/ -01/		Date:	

Addendum B - Annual diplomatic clearance for state aircraft overflight/landing in the Republic of Croatia



REPUBLIC OF CROATIA
MINISTRY OF FOREIGN AND
EUROPEAN AFFAIRS
Trg N. Š. Zrinskog 7-8, 10000 Zagreb
Tel. 4569 980, Fax 4569 983

**ANNUAL DIPLOMATIC CLEARANCE FOR FOREIGN STATE AIRCRAFT
OVERFLIGHT/LANDING IN THE REPUBLIC OF CROATIA**

EMBASSY OF			
Military or civil, police, customs A/C		A/C Registration	
Type and No. of A/C		A/C call sign	
Purpose of flight			
Fixed armaments, optical, reconnaissance or electronic warfare equipment			
Remarks			

I M P O R T A N T

All flights, performed as GAT flights will be performed pursuant to current ICAO regulations, as well as regulations of the Republic of Croatia.	
All flights, except flights performed for the purpose of the NATO Air Policing (AP) mission, shall be announced 24 hours prior to flight by sending the ICAO plan of flight to the competent offices of the air traffic services.	
Transport of armed units, ammunition and dangerous goods is not subjected to this clearance, and flights intended for this purpose are to undergo a special procedure, through diplomatic channel, pursuant to current regulations of the Republic of Croatia specifying such type of flights. As an exception to this, flights performed for the purpose of NATO Air Policing (AP) mission are subject to this clearance.	
In case of any modifications a notification will urgently be forwarded to competent bodies.	
Number of clearance	Validity
File	Signature and stamp
Date	

Addendum C - Annual/Case-by-case/General diplomatic clearance application form for request of diplomatic clearance for overflight/landing in Croatian territory (for the needs of NATO Response Forces)s

ANNUAL/ CASE BY CASE/GENERAL DIPLOMATIC CLEARANCE APPLICATION FORM FOR REQUEST OF
DIPLOMATIC CLEARANCE FOR OVERFLIGHT/LANDING IN CROATIAN TERRITORY
(Please complete the form in block letters or type)

(Applicant: NATO HQ_____)

<u>NATION of req</u>	<u>TYPE of a/c</u>	<u>QUANTITY of a/c</u>	<u>AIRPORT (PLATFORM) OF DEP.</u>	<u>ENTRY POINT</u>	<u>EXIT POINT</u>	<u>PURPOSE OF FLIGHT</u>	<u>FIXED ARMAMENTS, OPTICAL, RECCE, ELETRONIC WARFARE EQ.</u>	<u>REMARKS</u>

ANNUAL/ CASE BY CASE/GENERAL DIPLOMATIC CLEARANCE: validity from _____ to _____. For all forces,
clearance code: _____

signature

stamp

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GEN 1.5 AIRCRAFT INSTRUMENTS, EQUIPMENT AND FLIGHT DOCUMENTS

GEN 1.5.1 GENERAL

Aircraft operating in the Republic of Croatia airspace shall be equipped with the required radio and navigation equipment necessary for the safe conduct of the flight.

Designated ATC unit may, in substantiated cases, permit flights of aircraft without VHF transmitter/receivers and transponder in controlled zones, conducting aerodrome traffic at a controlled aerodrome and acrobatic flights in controlled airspace, if safety of air traffic is not impaired.

GEN 1.5.2 EQUIPMENT TO BE CARRIED**GEN 1.5.2.1 Minimum required communication, navigation and surveillance equipment for IFR flights**

- a. Two VHF transmitter/receivers (frequency range: 117.975 MHZ to 137.000 MHZ and 8.33 KHZ channel spacing). Exemptions from mandatory carriage of 8.33 KHZ equipment for State aircraft are described in ENR 1.8.
- b. Two VOR receivers. Only one receiver is sufficient if the aircraft is equipped with RNAV system that is used independent from the VOR receiver
- c. One distance measuring equipment (DME)
- d. One automatic direction finder (ADF), covering the frequency range 200.000 KHZ to 526.500 KHZ with direction indicator and audio monitoring capability
- e. RNAV equipment certified for B-RNAV (RNAV 5), P-RNAV (RNAV 1) or RNP APCH operations as required for the specific route and/or approach procedures
- f. One SSR Mode S level 2 transponder with Elementary Surveillance (ELS) capability. Fixed wing aircraft with maximum certified Take-Off Mass greater than 5700 KG or maximum cruising True Air Speed greater than 250 KT must be equipped with Mode S transponder capable for Elementary Surveillance (ELS), ADS-B Out and Enhanced Surveillance (EHS). Other aircraft with maximum certified Take-Off Mass greater than 5700 KG or maximum cruising True Air Speed greater than 250 KT must be equipped with Mode S transponder capable for Elementary Surveillance (ELS) and ADS-B Out
- g. In case of approach using the instrument landing system (ILS):
 - one receiver for ILS localizer signals,
 - one receiver for ILS glide path signals,
 - one VHF receiver with an indicator for marker beacon signals, and
 - one combined indicator for ILS localizer and glide path transmitter signals

GEN 1.5.2.2 Emergency locator transmitter (ELT)

ELT is mandatory within FIR Zagreb. Any type of ELT shall be capable of simultaneously broadcasting on the frequency 121.500 MHZ and 406.000 MHZ.

GEN 1.5.2.3 Requirements for FM broadcast immunity of airborne receivers

Since 01 JAN 2001, the use of FM-immune ILS/VOR navigation and VHF communications receivers is required for IFR operations within Zagreb FIR.

Users of ILS/VOR navigation and VHF communications receivers that do not comply with FM immunity standards may expect to suffer interference from FM broadcast stations.

Remarks on potential interference when using ILS/VORs for instrument approach are depicted on relevant aerodromes' charts (AIP Part III - Aerodromes).

GEN 1.5.2.4 Airborne collision avoidance systems (ACAS II / ACAS X)

- a. The following turbine-powered aeroplanes shall be equipped with ACAS II with a collision avoidance logic version 7.1 or with ACAS Xa:
 - aeroplanes with a maximum certificated take-off mass exceeding 5700 KG
 - aeroplanes authorised to carry more than 19 passengers
- b. Aircraft not referred to in point a., but which are equipped with ACAS II on a voluntary basis, shall have collision avoidance logic version 7.1 or ACAS Xa
- c. Point a. shall not apply to unmanned aircraft systems.

GEN 1.5.3 EQUIPMENT TO BE CARRIED ON ALL INTERNAL AND ON CERTAIN FLIGHTS

NIL

GEN 1.6 SUMMARY OF NATIONAL REGULATIONS AND INTERNATIONAL AGREEMENTS/CONVENTIONS

Following is a list of civil aviation legislation, air navigation regulations, etc., in force in the Republic of Croatia. It is essential that anyone engaged in air operations be acquainted with the relevant regulations.

GEN 1.6.1. NATIONAL REGULATIONS

1. The act on Establishing the Croatian Air Navigation Services ("Narodne novine", No. 19/98, 20/00, 51/13)
2. The Air Traffic Law ("Narodne novine", No. 69/09, 84/11, 54/13, 127/13, 92/14)
3. The Law on Obligatory and Actual Legal Relations in Air Traffic ("Narodne novine", No. 132/98, 63/08, 134/09, 94/13)
4. The Airport law ("Narodne novine", No. 19/98, 14/11, 78/15)

GEN 1.6.2. INTERNATIONAL AGREEMENTS/CONVENTIONS

1. Convention for the Unification of Certain Rules relating to International Carriage by Air (Warsaw, 12. October 1929), Convention for the Unification of Certain Rules for International Carriage by Air (Montreal, 28th of May 1999)
2. Protocol to Amend the Convention for the Unification of Certain Rules Relating to International Carriage by Air (Hague, 28. September 1995)
3. Convention on International Civil Aviation (Chicago, 07 December 1944)
4. International Air Services Transit Agreement (Chicago, 07 December 1944)
5. Convention on the International Recognition of Rights in Aircraft (Geneve, 19. Jun 1948)
6. Multilateral Agreement on Commercial Rights of Non - Schedule Air Services in Europe (Paris, 30. April 1956)
7. Convention on Offences and Certain Other Acts Committed on Board Aircraft (Tokyo, 14. September 1963)
8. Convention for the Suppression of Unlawful Seizure of Aircraft (Hague, 16. Decembre 1970)
9. Convention for the Suppression of Unlawful Acts against the Safety of Civil Aviation (Montreal, 23. September 1971)
10. International Convention Relating to Co-operation for the Safety of Air Navigation - EUROCONTROL of 1960, with protocols of 1970, 1978, 1981 and 1997
11. Multilateral Agreement on Route Charges of 1981
12. International Agreement on the Procedures for the Establishment of Tariffs for the Scheduled European Air Services (Paris, 16. Jun 1987);
13. International Agreement on Capacity Sharing for the Scheduled European Air Services (Paris, 16. Jun 1987)
14. Protocol for the Suppression of Unlawful Acts of violence at Airports Serving International Civil Aviation, Supplementary to the Convention for the Suppression of Unlawful Acts Against the Safety of Civil Aviation (Montreal, 24. February 1988)

GEN 1.6.3. EU REGULATIONS

1. Regulation (EC) No 1008/2008 of the European Parliament and of the Council of 24 September 2008 on common rules for the operation of air services in the community (OJ L 293/3, 31.10.2008.)
2. Regulation (EC) No 2111/2005 of the European Parliament and of the Council of 14 December 2005 on the establishment of a Community list of air carriers subject to an operating ban within the Community and on informing air transport passengers of the identity of the operating air carrier (OJ L 344/15, 27.12.2005.)
3. Commission Regulation (EU) No 452/2014 of 29 April 2014 laying down technical requirements and administrative procedures related to air operations of third country operators pursuant to Regulation (EC) No 216/2008 of the European Parliament and of the Council (OJ L 133/12, 06.05.2014.)
4. Regulation (EC) No 785/2004 of the European Parliament and of the Council of 21 April 2004 on insurance requirements for air carriers and aircraft operators (OJ L 138/1, 30.04.2004.)
5. Regulation (EC) No 300/2008 of the European Parliament and of the Council of 11 March 2008 on common rules in the field of civil aviation security (OJ L 97/72, 09.04.2008.)
6. Commission Implementing Regulation (EU) 2023/1770 of 12 September 2023 laying down provisions on aircraft equipment required for the use of the Single European Sky airspace and operating rules related to the use of the Single European Sky airspace and repealing Regulation (EC) No 29/2009 and Implementing Regulations (EU) No 1206/2011, (EU) No 1207/2011 and (EU) No 1079/2012 (OJ L 228, 15.9.2023)
7. Commission Implementing Regulation (EU) No 923/2012 of 26 September 2012 laying down the common rules of the air and operational provisions regarding services and procedures in air navigation (OJ L 281/1, 13.10.2012.)
8. Commission Regulation (EU) No 965/2012 of 5 October 2012 laying down technical requirements and administrative procedures related to air operations pursuant to Regulation (EC) No 216/2008 of the European Parliament and of the Council (OJ L 296/1, 25.10.2012.)
9. Regulation (EU) 2018/1139 of the European Parliament and of the Council of 4 July 2018 on common rules in the field of civil aviation and establishing a European Union Aviation Safety Agency (OJ L 212/1, 22.08.2018.)
10. Commission Regulation (EU) No 1178/2011 of 03 November 2011 laying down technical requirements and administrative procedures related to civil aviation aircrew pursuant to Regulation (EC) No 216/2008 of the European Parliament and of the Council (OJ L 311/1, 25.11.2011.)
11. Commission Regulation (EU) 2015/340 of 20 February 2015 laying down technical requirements and administrative procedures relating to air traffic controllers' licenses and certificates pursuant to Regulation (EC) No 216/2008 of the European Parliament and of the Council (OJ L 63/1, 06.03.2015.)
12. Commission Implementing Regulation (EU) 2017/373 of 01 March 2017 laying down common requirements for providers of air traffic management/air navigation services and other air traffic management network functions and their oversight (OJ L 62/1, 08.03.2017.)
13. Commission delegated Regulation (EU) 2019/945 of 12 March 2019 on unmanned aircraft systems and on third-country operators of unmanned aircraft systems (OJ L 152/1, 11.06.2019.)
14. Commission Regulation (EU) No 1332/2011 of 16 December 2011 laying down common airspace usage requirements and operating procedures for airborne collision avoidance (OJ L 336/20, 20.12.2011.)
15. Commission Regulation (EC) No 2150/2005 of 23 December 2005 laying down common rules for the flexible use of airspace (OJ L 342/20, 24.12.2005.)
16. Commission Regulation (EU) No 139/2014 of 12 February 2014 laying down requirements and administrative procedures related to aerodromes pursuant to Regulation (EC) No 216/2008 of the European Parliament and of the Council (OJ L 44/1, 14.02.2014.)

Title	Reference	Difference(s)
	Chapter 3 (3.7.3.1)	Implementing Regulation (EU) No 923/2012, SERA.8015, specifies (with the addition to ICAO Standard in Annex 11, 3.7.3.1 of the underlined text): (e) Read-back of clearances and safety-related information: (1) The flight crew shall read back to the air traffic controller safety-related parts of ATC clearances and instructions which are transmitted by voice. The following items shall always be read back: (i) ATC route clearances; (ii) clearances and instructions to enter, land on, take off from, hold short of, cross, <u>taxi</u> and backtrack on any runway; and (iii) runway-in-use, altimeter settings, SSR codes, <u>newly assigned communication channels</u>, level instructions, heading and speed instructions; and (iv) transition levels, whether issued by the controller or contained in ATIS broadcasts Remark (reason for difference): SERA Difference A11-04
	Chapter 3 (3.7.3.1.1)	Implementing Regulation (EU) No 923/2012, SERA.8015(e)(2), specifies (with the addition to ICAO Standard in Annex 11, 3.7.3.1.1 of the underlined text): (2) Other clearances or instructions, including conditional clearances <u>and taxi instructions</u>, shall be read back or acknowledged in a manner to clearly indicate that they have been understood and will be complied with. Remark (reason for difference): SERA Difference A11-05
	Chapter 3	Implementing Regulation (EU) No 923/2012, point SERA.5010, specifies: SERA.5010 Special VFR in control zones Special VFR flights may be authorised to operate within a control zone, subject to an ATC clearance. Except when permitted by the competent authority for helicopters in special cases such as, but not limited to, medical flights, search and rescue operations and fire-fighting, the following additional conditions shall be applied: (a) such flights may be conducted during day only, unless otherwise permitted by the competent authority; (b) by the pilot: (1) clear of cloud and with the surface in sight; (2) the flight visibility is not less than 1 500 M or, for helicopters, not less than 800 M; (3) fly at speed of 140 kts IAS or less to give adequate opportunity to observe other traffic and any obstacles in time to avoid a collision; and (c) an air traffic control unit shall not issue a Special VFR clearance to aircraft to take-off or land at an aerodrome within a control zone, or enter the aerodrome traffic zone or aerodrome traffic circuit when the reported meteorological conditions at that aerodrome are below the following minima: (1) the ground visibility is less than 1 500 M or, for helicopters, less than 800 M; (2) the ceiling is less than 180 M (600 FT). Remark (reason for difference): SERA Difference A11-06 New provision
Annex 12 Search and Rescue		NIL

Title		Reference		Difference(s)
Annex 13	Aircraft Accident and Incident Investigation			NIL
Annex 14 - Volume I 8th Edition, Amdt 15	Aerodromes - Aerodromes Design and Operations		Chapter 2.6 and Attachment A, 19.	The aircraft classification rating-pavement classification rating (ACR-PCR) method of reporting pavement strength is not yet applicable.
Annex 14 - Volume I 9th Edition, Amdt 17	Aerodromes - Aerodromes Design and Operations		Chapter 9.2.1	EU Regulations: Non-commercial operations with complex aircraft are not excluded from the requirements for the provision of rescue and firefighting services. National Regulations: Non-commercial operations are not excluded from the requirements for the provision of rescue and firefighting services.
Annex 14 - Volume II 5th Edition, Amdt 9	Aerodromes - Heliports			NIL
Annex 15	Aeronautical Information Services		Chapter 5 5.3.1.3	A checklist of valid data sets is currently not provided.
			Chapter 5 5.3.3	Terrain and obstacle data sets are not provided.
				A significant difference between national regulations and practices of the State and related ICAO provisions includes: Difference between the format of part AD 1.2.2 of the AIP and the provisions of paragraph 5.2.1.1.1 of ICAO Doc 10066 to ensure promulgation of relevant and consistent operational information, regarding implementation of GRF, through the relevant AIP entries.
Annex 16 Volume I	Environmental Protection - Aircraft Noise			NIL
Annex 16 Volume II	Environmental Protection - Aircraft Engine Emission			NIL
Annex 17	Security - Safeguarding International Civil Aviation Against Acts of Unlawful Interference			NIL
Annex 18	The Safe Transport of Dangerous Goods by Air			NIL

Title		Reference		Difference(s)
Doc 9981	Procedures for Air Navigation Services (PANS) - Aerodromes, 3rd edition, 2020			NIL
Doc 10066	Procedures for Air Navigation Services - Aeronautical Information Management (PANS-AIM)		Chapter 1 Definitions "Conventional navigation route"	Definitions are not transposed into Annex I - Definitions of Regulation (EU) 2017/373.
			Chapter 5 5.2.1.1.1	A significant difference between national regulations and practices of the State and related ICAO provisions includes: Difference between the format of part AD 1.2.2 of the AIP and the provisions of paragraph 5.2.1.1.1 of ICAO Doc 10066 to ensure promulgation of relevant and consistent operational information, regarding implementation of GRF, through the relevant AIP entries.
			Chapter 5 5.3.3.2	Terrain and obstacle data sets are not provided.
			Chapter 5 5.4.1.3	A checklist of the available data sets is currently not provided.
			Chapter 5 5.4.1.4	A checklist of the data sets is currently not provided.
		Appendix 1 Aeronautical Data Catalogue Table A1-3 ATS and other routes data - ATS Route PBN requirements: Navigation specification		The additional sub-property of Navigation specification is missing from the Aeronautical Data Catalogue of Regulation (EU) 2017/373 in Appendix 1, Section 3 of Annex III.
		Appendix 1 Aeronautical Data Catalogue Table A1-5 Radio navigation aids/ system data - Radio Navaid ILS facility classification, GBAS facility classification, GBAS approach facility designation		The additional properties of ILS facility classification, Ground Based Augmentation System (GBAS) facility classification, GBAS approach facility designation are missing from the Aeronautical Data Catalogue of Regulation (EU) 2017/373 in Appendix 1, Section 5 of Annex III.
		Appendix 2 Contents of the Aeronautical Information Publication (AIP) Part 2 - En-route (ENR) ENR 3. ATS Routes		Appendix 1 of Annex VI Specific requirements for the providers of aeronautical information of Regulation (EU) 2017/373 requires the contents before the amendment.
		Appendix 2 Contents of the Aeronautical Information Publication (AIP) Part 3 - Aerodromes (AD) AD 2. Aerodromes **** AD 2.19 Radio navigation and landing aids and **** AD 2.25 Visual segment surface (VSS) penetration		Appendix 1 of Annex VI (Part AIS) of Regulation (EU) 2017/373 for **** AD 2.19 Radio navigation and landing aids in point 1) does not require the amended list of navigational aids. Furthermore, it does not contain the requirement for **** AD 2.25 Visual segment surface (VSS) penetration.

GEN 1.7.1. DATA NOT COMPLIANT WITH DATA QUALITY REQUIREMENTS OF COMMISSION IMPLEMENTING
REGULATION (EU) 2017/373

Data Item	AIP Section	Reason for Incompliance	Notes / Remarks

- only limited navigation facilities are available; or
- radio communication facilities are not available: or
- no adequate aeronautical charts of the aerodrome and its surroundings at 1:500 000 or greater scale are available; or
- visual flight operation procedures have been established.

The aeronautical data shown includes information on aerodromes, obstacles, designated airspace, visual flight operation information, radio navigation aids and communication facilities, as appropriate.

h. *Aerodrome Chart - ICAO*

This chart contains detailed aerodrome data to provide flight crews with information that will facilitate the ground movement of aircraft:

- from the aircraft stand to the runway
- from the runway to the aircraft stand

i. *Aircraft Parking/Docking Chart - ICAO*

This chart is produced for those aerodromes where, due to the complexity of the terminal facilities, the information to facilitate the ground movement of aircraft between the taxiways and the aircraft stands and the parking/docking of aircraft cannot be shown with sufficient clarity on the Aerodrome Chart - ICAO.

j. *ATC Surveillance Minimum Altitude Chart - ICAO*

This supplementary chart provides information that will enable flight crews to monitor and cross-check altitudes assigned by a controller using an ATS surveillance system.

k. *Instrument Approach Chart - ICAO (Circling with Prescribed Tracks)*

Instrument Approach Chart - ICAO (Circling with Prescribed Tracks) is published for those aerodromes where specific track for visual manoeuvring is prescribed (in addition to the circling area).

The scale depends on the area to be covered.

l. *Visual Operation Chart*

This chart is produced for aerodromes used by civil aviation where:

- only limited navigation facilities are available; or
- radio communication facilities are not available: or
- no adequate aeronautical charts of the aerodrome and its surroundings at 1:500 000 or greater scale are available; or
- visual approach procedures have been established.

The aeronautical data shown includes information on aerodromes, obstacles, designated airspace, visual approach information, radio navigation aids and communication facilities, as appropriate.

m. *VFR Chart with recommended VFR routes 1:500 000*

This colour chart in Transverse Merkator projection consists of one sheet.

The topographic basis of the chart comprises build-up areas, railroad, roads, hydrography, topography (by shading, contours and spot elevations), boundaries and significant landmarks. The aeronautical data includes the structure of airspace, aerodromes, radio navigation facilities with names, frequencies and identification, prohibited, restricted and danger areas and known obstructions.

This chart is designed to serve as a basic aeronautical chart for aircraft flying in accordance with visual flight rules and for preflight planning of operation.

n. *Bird Concentrations Chart*

This chart shows areas of bird concentrations and major directions of bird migrations in the vicinity of the aerodrome. Chart is made in the scale of 1 : 50 000 on the topographic chart.

o. *Index Charts*

1. **ATS Airspace – Depiction and Classification – Index Chart**

This chart displays the structure and classification of airspace for the provision of Air Traffic Services (ATS) within the Zagreb FIR and other delegated airspace. This chart displays TMAs and CTRs with related vertical and lateral limits, airspace classifications, airspace names and corresponding ATS unit frequencies. Integral part of this chart is ACC/ATCC lines of responsibility, aerodrome locations, as well as location and description of Aerodrome traffic zones (ATZ).

2. **ATS Airspace – Other Regulated Airspace – Radio Mandatory Zones (RMZ) – Index Chart**

This chart primarily displays VFR flights operating airspaces within Zagreb FIR wherein the carriage and operation of radio equipment is mandatory. This chart indicates RMZs and ATZs with related vertical and lateral limits, airspace classifications, its names and corresponding TWR/Radio frequencies. CTR borders, ACC/ATCC lines of responsibility, and aerodrome locations are also shown.

3. **Prohibited, Restricted and Danger Areas – Index Chart**

This chart displays airspaces within Zagreb FIR where flight is prohibited (P), restricted (R), or where activities potentially dangerous (D) to the flight of aircraft may exist at specified times. This chart displays Prohibited, Restricted and Danger Areas with their identifications and names. Aerodrome locations are also shown.

4. **Military Exercise and Training Areas, TRA and TSA - Index Chart**

This chart displays zones reserved for military operations within Zagreb FIR. The chart shows temporary reserved (TRA), temporary segregated (TSA), danger (D) areas over high seas and flight corridors along with their identifications, vertical and lateral limits. For more information regarding the areas and corridors see ENR 5.2. Aerodrome locations are also shown.

5. **FBZ – Military Exercise and Training Areas, TRA and TSA – Index Chart**

This chart displays Flight Plan Buffer Zones (FBZ) within Zagreb FIR along with their identifications, vertical and lateral limits. Aerodrome locations are also shown. For more information regarding these areas see ENR 5.2.

6. **Aerial Sporting and Recreational Activities – Index Chart**

This chart displays paragliding, hang gliding and glider activity zones within Zagreb FIR along with their identifications, names, lateral and vertical limits. Aerodrome locations are also shown.

7. **Parachute Activity Zones – TRA (CIV/MIL Use) – Index Chart**

This chart displays parachute activity zones (for civil and military use) within Zagreb FIR along with their identifications, names, lateral and vertical limits. Aerodrome locations are also shown.

8. **Radio Facility – Index Chart**

This chart displays ground-based radio navigation aids such as collocated VOR/DMEs, DMEs, NDBs and locators (L) within the Zagreb FIR along with their identifications, names, frequencies, coordinates, Morse codes and elevations of DME antennas. Aerodrome locations are also shown.

9. **Bird Migration Routes – Index Chart**

This chart displays known locations of bird concentration areas and migration routes to help pilots reduce the risk of bird strikes.

10. Free Route Airspace – Index Chart - SECSI FRA

Free route airspace - Index Chart shows SECSI FRA boundary, radio navigation aids with their FRA relevance depiction, FRA arrival and departure connecting points, FRA horizontal entry and exit points and FRA intermediate points in the airspace of Zagreb FIR/UIR excluding areas where responsibility for the provision of ATS is delegated to ATS units other than Zagreb ACC and including area where responsibility for the provision of ATS is delegated to Zagreb ACC (REF ENR 2.1 and ENR 2.2 parts of relevant AIPs).

Vertical limits: FL660 / FL205 Class C.

11. Flexible Structures – Index Chart

This chart displays flexible airspace structures within Zagreb FIR in Lower Airspace that can be activated as D-AMA (Danger AMC Manageable Area), TRA or TSA. ATC LoR boundaries and aerodrome locations are also shown.

12. UAS Geographical Zones in CTRs – Index Chart

This chart displays permanent geographical (UAG – UAS Approved Geographical Zone, ULG – UAS Limited Geographical Zone, URG - UAS Restricted Geographical Zone) zones for Unmanned Aircraft Systems (UAS) within Zagreb FIR Control Zones (CTRs). Temporary restrictions and limitations are subject to AMC decision and displayed on AMC Portal. ACC/ATCC line of responsibility and aerodrome locations also shown.

13. UAS Geographical Zones in uncontrolled airspace and uncontrolled aerodromes – Index Chart

This chart displays permanent zones (UAG - UAS Approved Geographical Zone, ULG - UAS Limited Geographical Zone) for Unmanned Aircraft Systems (UAS) outside controlled airspace and at uncontrolled aerodromes within Zagreb FIR. Temporary restrictions and limitations are subject to AMC decision and displayed on AMC Portal. ACC/ATCC line of responsibility and aerodrome locations also shown.

GEN 3.2.5. LIST OF AERONAUTICAL CHARTS AVAILABLE

Title of series	Scale	Name and/or number	Price	Date of latest version
VFR Chart Croatia	1: 500 000	VFR Chart with recommended VFR routes Croatia	see AIM Portal	see AIM Portal

Other available charts are not for sale separately.

GEN 3.2.6. INDEX TO THE WORLD AERONAUTICAL CHART (WAC) - ICAO 1: 1 000 000

NIL

GEN 3.2.7. TOPOGRAPHICAL CHARTS

NIL

GEN 3.2.8. CORRECTIONS TO CHARTS NOT CONTAINED IN THE AIP

VFR Chart with recommended VFR routes - 1: 500 000 is not contained in AIP Croatia. For corrections see VFR Manual, "List of hand amendments to the VFR Manual and VFR chart".

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ENR 0.6 TABLE OF CONTENTS TO PART 2

ENR 0

ENR 0.1	Preface - not applicable	ENR 0.1 - 1
ENR 0.2	Record of AIP amendments - not applicable	ENR 0.2 - 1
ENR 0.3	Record of AIP supplements - not applicable	ENR 0.3 - 1
ENR 0.4	Checklist of AIP pages - not applicable	ENR 0.4 - 1
ENR 0.5	List of hand amendments to the AIP - not applicable	ENR 0.5 - 1
ENR 0.6	Table of contents to Part 2	ENR 0.6 - 1

ENR 1 General rules and procedures

ENR 1.1	General rules	ENR 1.1 - 1
ENR 1.1.1	Minimum heights	ENR 1.1 - 1
ENR 1.1.2	Dropping or spraying	ENR 1.1 - 1
ENR 1.1.3	Aerobatic flying	ENR 1.1 - 2
ENR 1.1.4	Formation flights	ENR 1.1 - 2
ENR 1.1.5	Towing and advertising flights	ENR 1.1 - 2
ENR 1.1.6	Times and units of measurement	ENR 1.1 - 3
ENR 1.1.7	Airspace structure	ENR 1.1 - 3
ENR 1.1.8	Prohibited areas and flight restrictions	ENR 1.1 - 3
ENR 1.1.9	Flights with gliders in clouds	ENR 1.1 - 3
ENR 1.1.10	Take-off and landing on natural land and water operating sites and parachute descents	ENR 1.1 - 3
ENR 1.1.11	Release of sky lanterns or children's balloons, use of kites and man-carrying parachutes, flight of unmanageable flying objects with their own thrust (firing rocket and pyrotechnic objects), use of reflectors and signaling devices (lasers) and release of captive balloons and unmanned aircraft systems (UAS)	ENR 1.1 - 4
ENR 1.1.12	Helicopter operations to and from natural helicopter landing sites	ENR 1.1 - 7
ENR 1.1.13	Special use of controlled airspace	ENR 1.1 - 8
ENR 1.1.14	Permissible alcohol concentration in the body for aircraft crew members	ENR 1.1 - 8
ENR 1.2	Visual flight rules	ENR 1.2 - 1
ENR 1.2.1	VFR flights operated within Classes C, D and G airspace	ENR 1.2 - 1
ENR 1.2.2	VFR flights above cloud layers	ENR 1.2 - 1
ENR 1.2.3	VFR flights within controlled airspace	ENR 1.2 - 2
ENR 1.2.4	Night VFR flights	ENR 1.2 - 2
ENR 1.2.5	VFR flights prohibition	ENR 1.2 - 2
ENR 1.3	Instrument flight rules	ENR 1.3 - 1
ENR 1.3.1	Rules applicable to all IFR flights	ENR 1.3 - 1
ENR 1.3.2	Rules applicable to IFR flights within controlled airspace	ENR 1.3 - 2
ENR 1.3.3	Rules applicable to IFR flights outside controlled airspace	ENR 1.3 - 2
ENR 1.3.4	Free route airspace (FRA) general procedures	ENR 1.3 - 3
ENR 1.4	ATS airspace classification and description	ENR 1.4 - 1
ENR 1.4.1	ATS airspace classification	ENR 1.4 - 1
ENR 1.4.2	ATS airspace description	ENR 1.4 - 2
ENR 1.5	Holding, approach and departure procedures	ENR 1.5 - 1
ENR 1.5.1	General	ENR 1.5 - 1
ENR 1.5.2	Arriving flights	ENR 1.5 - 1
ENR 1.5.3	Departing flights	ENR 1.5 - 1
ENR 1.5.4	Warning due to potential interference	ENR 1.5 - 2
ENR 1.6	ATS surveillance services and procedures	ENR 1.6 - 1
ENR 1.6.1	Radar services	ENR 1.6 - 1
ENR 1.6.2	Secondary surveillance radar (SSR)	ENR 1.6 - 3
ENR 1.6.3	Automatic dependent surveillance - broadcast (ADS-B)	ENR 1.6 - 4
ENR 1.6.4	Other relevant information and procedures	ENR 1.6 - 4
ENR 1.7	Altimeter setting procedures	ENR 1.7 - 1
ENR 1.7.1	Introduction	ENR 1.7 - 1
ENR 1.7.2	Basic altimeter setting procedures	ENR 1.7 - 1
ENR 1.7.3	Description of altimeter setting region	ENR 1.7 - 2

ENR 1.7.4 Procedures applicable to operators (including pilots)	ENR 1.7 - 2
ENR 1.7.5 Table of cruising levels	ENR 1.7 - 3
ENR 1.8 ICAO Regional supplementary procedures	ENR 1.8 - 1
ENR 1.8.1 Flight rules	ENR 1.8 - 1
ENR 1.8.2 Flight plans	ENR 1.8 - 1
ENR 1.8.3 Communications	ENR 1.8 - 4
ENR 1.8.4 Surveillance	ENR 1.8 - 5
ENR 1.8.5 Air Traffic Services (ATS)	ENR 1.8 - 6
ENR 1.8.6 Air Traffic Flow Management (ATFM)	ENR 1.8 - 14
ENR 1.8.7 Special procedures	ENR 1.8 - 16
ENR 1.8.8 Aeronautical information services	ENR 1.8 - 19
ENR 1.9 Air traffic flow management (ATFM) and airspace management	ENR 1.9 - 1
ENR 1.9.1. Air traffic flow management	ENR 1.9 - 1
ENR 1.9.2. Airspace management of the Republic of Croatia	ENR 1.9 - 19
ENR 1.10 Flight planning	ENR 1.10 - 1
ENR 1.10.1 Flight plan	ENR 1.10 - 1
ENR 1.10.2 Procedures for the submission of a flight plan (SERA.4001)	ENR 1.10 - 1
ENR 1.10.3 Contents and form of a flight plan	ENR 1.10 - 4
ENR 1.10.4 Changes to the submitted flight plan (SERA.4015)	ENR 1.10 - 16
ENR 1.10.5 SERA.4020 Closing a flight plan	ENR 1.10 - 16
ENR 1.10.6 Flight planning procedures within SECSI FRA	ENR 1.10 - 17
ENR 1.10.7 ICAO flight plan form	ENR 1.10 - 21
ENR 1.11 Addressing of flight plan messages	ENR 1.11 - 1
ENR 1.12 Interception of civil aircraft	ENR 1.12 - 1
ENR 1.12.1. Interception procedures	ENR 1.12 - 1
ENR 1.12.2. Signals for use in the event of interception	ENR 1.12 - 2
ENR 1.13 Unlawful interference	ENR 1.13 - 1
ENR 1.13.1 General	ENR 1.13 - 1
ENR 1.13.2 Transponder operations - unlawful interference with aircraft in flight	ENR 1.13 - 1
ENR 1.13.3 Procedures	ENR 1.13 - 1
ENR 1.13.4 Aircraft hijacking	ENR 1.13 - 2
ENR 1.14 Air traffic incidents	ENR 1.14 - 1
ENR 1.14.1 Definition of air traffic incidents	ENR 1.14 - 1
ENR 1.14.2 Use of the Aircraft proximity, irregular procedure employment or work of radionavigation or other facility Report Form	ENR 1.14 - 2
ENR 1.14.3 Reporting procedures (including in-flight procedures)	ENR 1.14 - 5
ENR 1.14.4 Purpose of reporting and handling of the form	ENR 1.14 - 5
ENR 2 Air traffic services airspace	ENR 2.1 - 1
ENR 2.1 FIR, UIR, TMA and CTA	ENR 2.1 - 1
ENR 2.1.1. Zagreb FIR/UIR	ENR 2.1 - 1
ENR 2.1.2. Control Area (CTA) Zagreb	ENR 2.1 - 2
ENR 2.1.3. Zagreb TMA	ENR 2.1 - 3
ENR 2.1.4. Split TMA	ENR 2.1 - 4
ENR 2.1.5. Pula TMA	ENR 2.1 - 5
ENR 2.1.6. Dubrovnik TMA	ENR 2.1 - 6
ENR 2.1.7. Zadar TMA	ENR 2.1 - 7
ENR 2.1.8. Osijek TMA	ENR 2.1 - 8
ENR 2.2 Other regulated airspace	ENR 2.2 - 1
ENR 2.2.1. Radio Mandatory Zones (RMZ)	ENR 2.2 - 3
ENR 2.2.2. Transponder Mandatory Zone (TMZ)	ENR 2.2 - 4

ENR 3 ATS Routes

ENR 3.1 Conventional navigation routes	ENR 3.1 - 1
ENR 3.2 Area navigation routes	ENR 3.2 - 1
ENR 3.3 Other routes	ENR 3.3 - 1
ENR 3.4 En-route holding	ENR 3.4 - 1

ENR 4 Radio navigation aids/systems

ENR 4.1 Radio navigation aids - en-route	ENR 4.1 - 1
--	-------------

ENR 4.2	Special navigation systems	ENR 4.2 - 1
ENR 4.3	Global navigation satellite system (GNSS)	ENR 4.3 - 1
ENR 4.4	Name-code designators for significant points	ENR 4.4 - 1
ENR 4.5	Aeronautical ground lights - en-route	ENR 4.5 - 1

ENR 5 Navigation warnings

ENR 5.1	Prohibited, restricted and danger areas	ENR 5.1 - 1
ENR 5.1.1	Prohibited areas	ENR 5.1 - 1
ENR 5.1.2	Restricted areas	ENR 5.1 - 1
ENR 5.1.3	Danger areas	ENR 5.1 - 2
ENR 5.2	Military exercise and training areas and air defence identification zone (ADIZ)	ENR 5.2 - 1
ENR 5.2.1	Low level military flight corridors and training areas	ENR 5.2 - 1
ENR 5.2.2	Temporary reserved area (for MIL use only)	ENR 5.2 - 4
ENR 5.2.3	Temporary segregated areas (for MIL use only)	ENR 5.2 - 14
ENR 5.2.4	Danger area over high seas	ENR 5.2 - 17
ENR 5.2.5	Special corridor for NATO operations	ENR 5.2 - 19
ENR 5.2.6	Temporary reserved areas (CIV/MIL use)	ENR 5.2 - 20
ENR 5.2.7	Temporary reserved areas for parachute activities (CIV/MIL use)	ENR 5.2 - 45
ENR 5.2.8	Temporary segregated areas (CIV/MIL use)	ENR 5.2 - 49
ENR 5.3	Other activities of a dangerous nature and other potential hazards	ENR 5.3 - 1
ENR 5.3.1	Other activities of a dangerous nature	ENR 5.3 - 1
ENR 5.3.2	Other potential hazards	ENR 5.3 - 1
ENR 5.4	Air navigation obstacles	ENR 5.4 - 1
ENR 5.5	Aerial sporting and recreational activities	ENR 5.5 - 1
ENR 5.5.1	Paragliding and hang gliding activities zones	ENR 5.5 - 1
ENR 5.5.2	Glider activity zones	ENR 5.5 - 3
ENR 5.6	Bird migration and areas with sensitive fauna	ENR 5.6 - 1
ENR 5.6.1	Bird migration	ENR 5.6 - 1
ENR 5.6.2	Areas with sensitive fauna	ENR 5.6 - 2
ENR 6	En-route charts	ENR 6 - 1
Enroute chart - ICAO - FIR Zagreb Lower airspace	ENR 6.1 - 1	
Enroute chart - ICAO - FIR Zagreb Upper airspace	ENR 6.2 - 1	
ATS airspace - Depiction and classification - Index Chart	ENR 6.3 - 1	
ATS airspace - Other regulated airspace - Radio Mandatory Zones - Index Chart	ENR 6.3 - 3	
Prohibited, Restricted and Danger Areas - Index Chart	ENR 6.4 - 1	
Military Exercise and Training Areas, TRA and TSA - Index Chart	ENR 6.5 - 1	
FBZ - Military Exercise and Training Areas TRA and TSA - Index-Chart	ENR 6.5 - 3	
Other activities of a dangerous nature - Index Chart (NOT AVBL)	ENR 6.6 - 1	
Aerial sporting and recreational activities - Index Chart	ENR 6.7 - 1	
Parachute activity zones - TRA (CIV/MIL use) - Index Chart	ENR 6.7 - 3	
Radio facility - Index chart	ENR 6.8 - 1	
Bird migration routes - Index Chart	ENR 6.9 - 1	
Bird concentrations and areas with sensitive fauna - Index Chart (NOT AVBL)	ENR 6.10 - 1	
Free Route Airspace - Index Chart - SECSI FRA	ENR 6.11 - 1	
Flexible structures - Index Chart	ENR 6.12 - 1	
UAS Geographical Zones in CTRs - Index Chart	ENR 6.14 - 1	
UAS Geographical Zones in Uncontrolled airspace and uncontrolled aerodromes - Index Chart	ENR 6.15 - 1	

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20. Releasing and launching objects into the atmosphere (e.g. unmanned free balloons, children's balloons, sky lanterns, fireworks, lighting effects...);
21. Experimental activities for educational purposes.

If more users submit a request for the same portion of airspace for an activity to be conducted at the same time and of the same priority level, the requested airspace will be allocated to the user whose request was submitted first. Alternatively, two or more users can agree to work together in the same airspace at the same time if they clearly designate the user responsible for the allocated airspace.

In case of unforeseen events, the AMC can decide to discontinue activities in reserved airspace in the following situations:

- Emergency flights;
- Flights of Croatian military aircraft for the protection of sovereignty of the Republic of Croatia (STS/PROTECTED);
- Search and rescue flights and humanitarian flights (STS/SAR/HUM);
- Medical flights transporting sick or injured persons requiring emergency medical assistance, including the flights for the purpose of providing emergency medical assistance to sick or injured persons, as well as flights transporting transplants, blood, and medication, including the flights for boarding patients, medication, transplants or blood at the destination (STS/HOSP);
- Flights for heads of states (STS/HEAD) and flights for prime ministers and other state officials with the established preferential status (STS/STATE);
- Interception training flights of Croatian military aircraft;
- Securing the area struck by a natural or technological disaster and/or catastrophe;
- Urgent police and customs operations.

For this purpose, all airspace users reserving airspace structures shall submit to the Airspace Management Cell the contact details of the person responsible/head of activities who shall be available for the Airspace Management Cell via a means of communication (mobile or fixed line) for the whole duration of the activity. Observation flights according to international agreements binding on the Republic of Croatia are prioritized pursuant to the agreement in force.

ENR 1.9.2.5.3 Priority Rules in Special Circumstances

The AMC must, by establishing an ad hoc structure, in the most suitable way for the given airspace situation, restrict or prohibit flights and activities in a specific volume of airspace for all except the approved users in the following cases:

1. At the written request of competent state administration bodies, if necessary for the safety of air traffic and other airspace users' activities, due to the defense needs of the Republic of Croatia, military and police operations, search and rescue operations, fire control, the protection of state institutions, critical infrastructure and important persons, the protection from the emissions of hazardous and/or harmful substances, gases and phenomena, the Croatian state border control and protection, and the celebration of state anniversaries, parades and events organized by state administration bodies,
2. Due to real operational requirements for a period not longer than 48 hours, if necessary for the safety of air traffic and other airspace users' activities, due to the defense needs of the Republic of Croatia, military and police operations, search and rescue operations, fire control, the protection of state institutions, critical infrastructure and important persons, the protection from the emissions of hazardous and/or harmful substances, gases and phenomena, the Croatian state border control and protection, and the celebration of state anniversaries, parades and events organized by state administration bodies.

At the request of the AMC, and for the purpose of informing all airspace users, the air navigation service provider shall publish all relevant information in the manner customary in air traffic.

The air navigation service provider shall, at the written request of competent state administration bodies or the Croatian Civil Aviation Agency, temporarily prohibit or restrict flights in a specific portion of airspace or at a specific aerodrome, by issuing a navigational warning, if necessary for defense or national security needs or the safety of (an) aircraft or in case of major natural disasters, according to the international agreements binding on the Republic of Croatia or immediately if necessary due to special circumstances, and publish it in the manner customary in air traffic.

Activities conducted in special circumstances are prioritized over all other airspace activities.

When establishing Ad-hoc structures **in special circumstances**, the AMC shall follow this priority list for allocating reserved airspace:

- a. Protection of sovereignty of the Republic of Croatia,
- b. Protection of state authorities, critical infrastructure, and important persons,
- c. Securing, inspecting, and controlling an area struck by a natural or technological disaster and/or catastrophe,
- d. Search and rescue at the request of a competent state administration body,
- e. Police and customs operations,
- f. Control of the state border and the Exclusive Economic Zone,
- g. Unforeseeable operations by a competent state administration body.

ENR 1.9.2.6 Operational and Equipment Requirements for the Reservation, Definition of Areas and Rules of Conduct in Areas Published in ENR 5.1 and ENR 5.2

- **Danger Area - D:** An airspace structure of defined dimensions within which activities dangerous to the flight of aircraft may exist at specific times. In the context of the FUA concept, some D areas subject to management and allocation at Level 2 are established at Level 1 as "AMC-Manageable Areas" and identified as such in the AIP.
 - **Danger Area AMC Manageable - D-AMA:** A defined volume of airspace temporarily exempted from controlled airspace and inside which rules of the air for VFR flights in uncontrolled airspace are applied (G-class airspace).
 - The equipment requirements are the same as for the use of uncontrolled airspace (G-class airspace).
 - The operational requirement for airspace users is to register on the web AMC Portal (ENR 1.9.2.7.1) and follow the rules and procedures laid down in the Rules and Procedures published on the AMC Portal.
- **Temporary Reserved Area - TRA:** A defined volume of airspace under the jurisdiction of a user authorized by the National Airspace Management Committee, which is temporarily reserved for a specific use by a specific authority or user, through which other traffic may be allowed to transit, with an ATC clearance.
 - The real time coordination between airspace user in TRA and responsible ASM Level 3 coordinator shall be assured.
- **Temporary Segregated Area - TSA:** A defined volume of airspace under the jurisdiction of a user authorized by the National Airspace Management Committee, which is temporarily segregated for the exclusive use by a specific authority or user, through which other traffic will not be allowed to transit.
 - There are no equipment requirements.
 - The operational requirements for airspace users are to file a flight plan in accordance with valid regulations, to register on the web AMC Portal and follow the rules and procedures laid down in the Rules and Procedures for Reservations and Use of Airspace via AMC Portal System that are published on the AMC Portal.

Procedures for Operating Within the Areas

The procedures are laid down in the Rules and Procedures for Reservations and Use of Airspace via AMC Portal System that are published on the AMC Portal (ENR 1.9.2.7.1).

ENR 1.9.2.7 Tools for Managing Airspace of the Republic of Croatia and Informing Users

ENR 1.9.2.7.1 AMC Portal System

The AMC Portal System is a centralized Airspace Management (ASM) tool, serving as an ASM system for publishing information as a publicly available IT system through which the provider of ASM services publishes information to its users on the restrictions and prohibitions in airspace. To utilize all the functions of the AMC Portal System, users are required to register on the Portal's website.

The details on airspace reservations will be available to registered users only.

URL: <https://amc.crocontrol.hr/>

ENR 1.9.2.7.2 Informing of Users

Airspace users are informed about restrictions and prohibitions in airspace via Aeronautical Information Products and via the AMC Portal System. The AMC Portal System displays the actual occupancy of airspace in real time as well as the approved Airspace Use Plan and its amendments for the following period (AUP - Airspace Use Plan / UUP - Updated Airspace Use Plan / NUP - National Airspace Use Plan). The reservation of permanent structures published in the AIP of the Republic of Croatia is published by the AUP, UUP and/or NUP messages via the AMC Portal. For Zagreb FIR, detailed national AUPs and UUPs (NUPs) are issued via the ASM system for publishing information (the AMC Portal System).

The AMC publishes information regarding the flight operations of Unmanned Aircraft Systems via the AMC Portal, which serves as a publicly available system with the function of providing the Common Information Service.

ENR 1.9.2.7.3 Automatized Procedure for Establishing Ad-hoc Structures

This procedure is conducted via the AMC Portal Mobile application in real time on the day of activity of UAS flight operations if those operations are conducted within the UAS Approved Geographical Zone (UAG).

ENR 1.9.2.8 UAS Operations

In the context of Airspace Management, abiding by the principles laid down by the Regulation 2150/2005, with the aim to integrate Unmanned Aircraft Systems (UAS) into airspace pursuant to the regulations of the European Union (EU), UAS Geographical Zones are defined pursuant to the Commission Implementing Regulation (EU) 2019/947 of 24 MAY 2019 on the rules and procedures for the operation of unmanned aircraft and the Ordinance on Airspace Management (Official Gazette, issue No. 20/2023).

UAS operations are conducted in airspace of defined dimensions that is temporarily reserved exclusively for UAS flights, which is named UAS Temporary Reserved Area (UTR). Other manned aircraft are prohibited from flying through UTR areas and as such, they should be avoided by pilots. ASM service providers can prohibit other UASs from entering UTR areas at all times.

ENR 1.9.2.8.1 UAS Geographical Zones

UAS Geographical Zones are zones determined by a competent body to facilitate, restrict or prohibit UAS operations, in order to take into account the risks related to safety, privacy, personal data protection, security or the environment that stem from those operations. To enable and facilitate the informing of airspace users on the status of UAS Geographical Zones, the following airspace structures are introduced:

1. UAS Restricted Geographical Zone (URG): A part of airspace above a geographical zone determined by a competent body that is conditionally prohibited for UAS operations, but not for other aircraft and flight activities. UAS flight activities in this zone can be approved as an exception, in line with the laid down ASM procedures. In the context of the FUA concept, URG zones are established through the laid down ASM procedure, and, depending on the nature of the request, can be established temporarily or permanently at an appropriate ASM level.
2. UAS Limited Geographical Zone (ULG): A part of airspace above a geographical zone determined by a competent body that is restricted for UAS operations, depending on the characteristics of the UAS, type of allowed operations and/or the procedure for the approval of flight operations itself. Within this zone, an approval for conducting flight operations can be granted in line with the laid down ASM procedures. In the context of the FUA concept, ULG zones are established through the laid down ASM procedure,

and depending on the nature of the request, can be established temporarily or permanently at an appropriate ASM level.

3. UAS Approved Geographical Zone (UAG): A part of airspace above a geographical zone determined by a competent body within which UAS operations can be conducted by the shortened procedure for the approval of flight operations. Within this zone, an approval for conducting UAS flight operations can be granted through the automatized procedure by a competent authority or service provider.

The following geographical zones are established in the control zone (CTR):

- a. URG Zone – Within airspace bounded by the distance of 1500 M from the security fence of controlled aerodromes and 500 M laterally along the approach surface axis to the distance of 3500 M from the runway threshold;
- b. ULG Zone – Within controlled airspace, higher than 50 M above ground or the surface of water outside of the URG zone;
- c. UAG Zone – Within controlled airspace, MAX up to 50 M from ground level or the surface of water outside of the URG zone.

The following geographical zones are established outside of the control zone (CTR) and within Croatian airspace:

- a. ULG Zone – Typically, higher than 120 M above ground level, and
- b. UAG Zone – From ground level or the surface of water up to 120 M.

To conduct UAS operations in the vicinity of uncontrolled aerodromes, at distances shorter than 1500 M from the edges and 500 M laterally along the approach surface axis up to the distance of 2500 M from the runway threshold, prior consent of the operator of the uncontrolled aerodrome has to be obtained.

By the method of their publication, UAS Geographical Zones can be permanent or temporary, and they are shown on the AMC Portal. Permanent geographical zones are published in the AIP, ENR 6 “En-route charts”.

ENR 1.9.2.8.2 Establishing U-space

U-space airspace is a geographical zone established for conducting UAS flight operations, in which operations are permitted only with the support of U-space services.

U-space airspace can be established for security, safety, privacy or ecological reasons, and to propose its establishment, an airspace risk assessment has to be made.

ENR 2.2.1. RADIO MANDATORY ZONES (RMZ)

2.2.1.1 VFR flights operating in Radio Mandatory Zones (RMZ) shall maintain continuous air-ground voice communication watch and establish two-way communication, as necessary, on the appropriate communication channel.

2.2.1.2 Before entering a radio mandatory zone, an initial call containing the designation of the station being called, call sign, type of aircraft, position, level and the intentions of the flight, shall be made by pilots on the appropriate communication channel.

Name Lateral limits Vertical limits Class of airspace	Unit providing service	Call sign Languages used Area and conditions of use Hours of service	FREQ/ Purpose	Remarks
1	2	3	4	5
RMZ Osijek 453642N 0183557E 453027N 0185943E 452853N 0185922E Along the FIR boundary Zagreb/Beograd 452140N 0185952E 451714N 0185645E 452614N 0183019E 453642N 0183557E (same lateral limits as CTR Osijek) 1000 FT AGL/GND Airspace class: G	AD Osijek	Osijek TWR/Radio Croatian/English	128.350 MHZ	RMZ outside Osijek ATS operating hours
RMZ Brac 432407N 0163907E 431238N 0170124E 430623N 0163848E 431207N 0162737E 432407N 0163907E (same lateral limits as CTR Brač) 1000 FT AGL/GND Airspace class: G	AD Brac	Brac TWR/Radio Croatian/English	118.025 MHZ	RMZ outside Brac ATS operating hours
RMZ Lucko 453838N 0154552E The arc of a circle, radius 18 KM centered at: 454446N 0155638E 455429N 0155649E 454939N 0160309E 453838N 0154552E (same lateral and vertical limits as CTR Lučko) 2500 FT MSL/GND Airspace class: G	AD Lucko	Lucko TWR/Radio Croatian/English	118.075 MHZ	RMZ outside Lucko ATS operating hours
RMZ Rijeka 452815N 0142611E 450454N 0145038E 445714N 0143623E 452039N 0141058E to point of origin. (same lateral limits as CTR Rijeka) 1000 FT AGL/GND Airspace class: G	AD Rijeka	Rijeka TWR/Radio Croatian/English	119.000 MHZ	RMZ, If ATS not available

Name Lateral limits Vertical limits Class of airspace	Unit providing service	Call sign Languages used Area and conditions of use Hours of service	FREQ/ Purpose	Remarks
1	2	3	4	5
RMZ Losinj 444059N 0141533E 444424N 0143558E 443310N 0143921E A circle R=8 NM centered at 443138N 0142822E (LOS NDB) 443004N 0141724E to point of origin. (same lateral limits as CTR Losinj) 1000 FT AGL/GND Airspace class: G	AD Losinj	Losinj TWR/Radio Croatian/English	120.300 MHZ	RMZ outside Losinj ATS operating hours

Note: Outside ATS operating hours same frequency is to be used for RMZ (Call sign: Radio)

ENR 2.2.2. TRANSPONDER MANDATORY ZONE (TMZ)

All flights operating within ZAGREB FIR in class C and D airspace shall carry and operate SSR transponders capable of operating on Modes A/C or on Mode S.

For Lateral and Vertical limits, Unit providing service, Call sign, Languages, Area and conditions of use, Hours of service and FREQ see AIP of the Republic of Croatia, ENR 2.1.1. Zagreb FIR/UIR.

AD 0.6 TABLE OF CONTENTS TO PART 3

AD 0

AD 0.1	Preface - not applicable	AD 0.1 - 1
AD 0.2	Record of AIP amendments - not applicable	AD 0.2 - 1
AD 0.3	Record of AIP supplements - not applicable	AD 0.3 - 1
AD 0.4	Checklist of AIP pages - not applicable	AD 0.4 - 1
AD 0.5	List of hand amendments to the AIP - not applicable	AD 0.5 - 1
AD 0.6	Table of contents to Part 3	AD 0.6 - 1

AD 1 Aerodromes/heliports introduction

AD 1.1	Aerodrome/heliport availability and conditions of use	AD 1.1 - 1
AD 1.1.1	General conditions	AD 1.1 - 1
AD 1.1.2	Use of military air bases	AD 1.1 - 2
AD 1.1.3	Low visibility procedures (LVP)	AD 1.1 - 2
AD 1.1.4	Aerodrome operating minima	AD 1.1 - 2
AD 1.1.5	Other information	AD 1.1 - 2
AD 1.2	1.2 - 1 Rescue and firefighting services, runway surface condition assessment and reporting, and snow plan	AD
AD 1.2.1	Rescue and firefighting services	AD 1.2 - 1
AD 1.2.2	Runway surface condition assessment and reporting, and snow plan	AD 1.2 - 1
AD 1.3	Index of aerodromes and heliports	AD 1.3 - 1
AD 1.4	Grouping of aerodromes/heliports	AD 1.4 - 1
AD 1.5	Status of certification of aerodromes	AD 1.5 - 1

AD 2 Aerodromes

LDDU AD 2		LDDU AD 2 - 1
LDDU AD 2.1	Aerodrome location indicator and name	LDDU AD 2 - 1
LDDU - AIRPORT DUBROVNIK / Rudjer Boskovic		
LDDU AD 2.2	Aerodrome geographical and administrative data	LDDU AD 2 - 1
LDDU AD 2.3	Operational hours	LDDU AD 2 - 2
LDDU AD 2.4	Handling services and facilities	LDDU AD 2 - 2
LDDU AD 2.5	Passenger facilities	LDDU AD 2 - 3
LDDU AD 2.6	Rescue and fire fighting services	LDDU AD 2 - 3
LDDU AD 2.7	Runway surface condition assessment and reporting, and snow plan	LDDU AD 2 - 4
LDDU AD 2.8	Aprons, taxiways and check locations/positions data	LDDU AD 2 - 4
LDDU AD 2.9	Surface movement guidance and control system and markings	LDDU AD 2 - 5
LDDU AD 2.10	Aerodrome obstacles	LDDU AD 2 - 5
LDDU AD 2.11	Meteorological information provided	LDDU AD 2 - 23
LDDU AD 2.12	Runway physical characteristics	LDDU AD 2 - 24
LDDU AD 2.13	Declared distances	LDDU AD 2 - 25
LDDU AD 2.14	Approach and runway lighting	LDDU AD 2 - 25
LDDU AD 2.15	Other lighting, secondary power supply	LDDU AD 2 - 26
LDDU AD 2.16	Helicopter landing area	LDDU AD 2 - 26
LDDU AD 2.17	ATS airspace	LDDU AD 2 - 27
LDDU AD 2.18	ATS communication facilities	LDDU AD 2 - 27
LDDU AD 2.19	Radio navigation and landing aids	LDDU AD 2 - 28
LDDU AD 2.20	Local aerodrome regulations	LDDU AD 2 - 29
LDDU AD 2.21	Noise abatement procedures	LDDU AD 2 - 29
LDDU AD 2.22	Flight procedures	LDDU AD 2 - 30
LDDU AD 2.22.1	Departing traffic	LDDU AD 2 - 30
LDDU AD 2.22.2	STAR RWY 11	LDDU AD 2 - 31
LDDU AD 2.22.3	Missed approach procedure	LDDU AD 2 - 31
LDDU AD 2.22.4	Backup device on TWR in case of a complete communication failure	LDDU AD 2 - 31

LDDU AD 2.23	Additional information	LDDU AD 2 - 31
LDDU AD 2.24	Charts related to an aerodrome	LDDU AD 2 - 32
LDDU AD 2.25	Visual segment surface (VSS) penetration	LDDU AD 2 - 33
	LDDU AD 2.24.1 ADC - 1	
	LDDU AD 2.24.2 APDC - 1	
	LDDU AD 2.24.4 AOC RWY 11 - 1	
	LDDU AD 2.24.4 AOC RWY 29 - 1	
	LDDU AD 2.24.8 SID RWY 11 - 1	
	LDDU AD 2.24.8 SID RNAV RWY 11 - 1	
	LDDU AD 2.24.8 SID RWY 29 - 1	
	LDDU AD 2.24.8 SID RNAV RWY 29 - 1	
	LDDU AD 2.24.10 STAR RWY 11 - 1	
	LDDU AD 2.24.10 STAR RNAV RWY 11 - 1	
	LDDU AD 2.24.10 STAR RNAV RWY 29 - 1	
	LDDU AD 2.24.11 ATCSMAC - 1	
	LDDU AD 2.24.12 IAC VOR RWY 11 - 1	
	LDDU AD 2.24.12 IAC ILSy or LOCy RWY 11 - 1	
	LDDU AD 2.24.12 IAC ILSz or LOCz RWY 11 - 1	
	LDDU AD 2.24.12 IAC RNP RWY 11 - 1	
	LDDU AD 2.24.12 IAC RNP RWY 29 (AR) - 1	
	LDDU AD 2.24.12 IAC RNP-b RWY 29 - 1	
	LDDU AD 2.24.13 VAC RWY 29 - 1	
	LDDU AD 2.24.13 VOC - 1	
	LDDU AD 2.24.14 BC - 1	
LDLO AD 2		LDLO AD 2 - 1
LDLO AD 2.1	Aerodrome location indicator and name	LDLO AD 2 - 1
	LDLO - AERODROME LOŠINJ/Lošinj I.	
LDLO AD 2.2	Aerodrome geographical and administrative data	LDLO AD 2 - 1
LDLO AD 2.3	Operational hours	LDLO AD 2 - 2
LDLO AD 2.4	Handling services and facilities	LDLO AD 2 - 2
LDLO AD 2.5	Passenger facilities	LDLO AD 2 - 2
LDLO AD 2.6	Rescue and fire fighting services	LDLO AD 2 - 3
LDLO AD 2.7	Runway surface condition assessment and reporting, and snow plan	LDLO AD 2 - 3
LDLO AD 2.8	Aprons, taxiways and check locations/positions data	LDLO AD 2 - 3
LDLO AD 2.9	Surface movement guidance and control system and markings	LDLO AD 2 - 4
LDLO AD 2.10	Aerodrome obstacles	LDLO AD 2 - 4
LDLO AD 2.11	Meteorological information provided	LDLO AD 2 - 6
LDLO AD 2.12	Runway physical characteristics	LDLO AD 2 - 7
LDLO AD 2.13	Declared distances	LDLO AD 2 - 7
LDLO AD 2.14	Approach and runway lighting	LDLO AD 2 - 8
LDLO AD 2.15	Other lighting, secondary power supply	LDLO AD 2 - 8
LDLO AD 2.16	Helicopter landing area	LDLO AD 2 - 9
LDLO AD 2.17	ATS airspace	LDLO AD 2 - 9
LDLO AD 2.18	ATS communication facilities	LDLO AD 2 - 9
LDLO AD 2.19	Radio navigation and landing aids	LDLO AD 2 - 10
LDLO AD 2.20	Local aerodrome regulations	LDLO AD 2 - 10
LDLO AD 2.21	Noise abatement procedures	LDLO AD 2 - 11
LDLO AD 2.22	Flight procedures	LDLO AD 2 - 12
	LDLO AD 2.22.1 VFR flight procedures	LDLO AD 2 - 12
	LDLO AD 2.22.2 SID RWY 02	LDLO AD 2 - 13
	LDLO AD 2.22.3 SID RWY 20	LDLO AD 2 - 14
	LDLO AD 2.22.4 STAR RWY 02/20	LDLO AD 2 - 15
LDLO AD 2.23	Additional information	LDLO AD 2 - 15
LDLO AD 2.24	Charts related to an aerodrome	LDLO AD 2 - 16

LDLO AD 2.25	Visual segment surface (VSS) penetration	LDLO AD 2 - 16
	LDLO AD 2.24.1 ADC - 1	
	LDLO AD 2.24.2 APDC - 1	
	LDLO AD 2.24.4 AOC RWY 02/20 - 1	
	LDLO AD 2.24.8 SID RWY 02 - 1	
	LDLO AD 2.24.8 SID RNAV RWY 02 CAT A&B - 1	
	LDLO AD 2.24.8 SID RWY 20 - 1	
	LDLO AD 2.24.8 SID RNAV RWY 20 CAT A & B - 1	
	LDLO AD 2.24.10 STAR RWY 02/20 - 1	
	LDLO AD 2.24.10 STAR RNAV RWY 02 CAT A & B - 1	
	LDLO AD 2.24.10 STAR RNAV RWY 20 CAT A & B - 1	
	LDLO AD 2.24.12 IAC NDB-a RWY 02/20 CAT A&B - 1	
	LDLO AD 2.24.12 IAC VOR RWY02 CAT A&B - 1	
	LDLO AD 2.24.12 IAC RNP RWY 02 - 1	
	LDLO AD 2.24.12 IAC RNP RWY 20 (LPV & LNAV/VNAV only) - 1	
	LDLO AD 2.24.13 VOC - 1	
LDOS AD 2		LDOS AD 2 - 1
LDOS AD 2.1	Aerodrome location indicator and name	LDOS AD 2 - 1
	LDOS - AIRPORT OSIJEK / Klisa	
LDOS AD 2.2	Aerodrome geographical and administrative data	LDOS AD 2 - 1
LDOS AD 2.3	Operational hours	LDOS AD 2 - 2
LDOS AD 2.4	Handling services and facilities	LDOS AD 2 - 2
LDOS AD 2.5	Passenger facilities	LDOS AD 2 - 3
LDOS AD 2.6	Rescue and fire fighting services	LDOS AD 2 - 3
LDOS AD 2.7	Runway surface condition assessment and reporting, and snow plan	LDOS AD 2 - 3
LDOS AD 2.8	Aprons, taxiways and check locations/positions data	LDOS AD 2 - 4
LDOS AD 2.9	Surface movement guidance and control system and markings	LDOS AD 2 - 4
LDOS AD 2.10	Aerodrome obstacles	LDOS AD 2 - 5
LDOS AD 2.11	Meteorological information provided	LDOS AD 2 - 5
LDOS AD 2.12	Runway physical characteristics	LDOS AD 2 - 6
LDOS AD 2.13	Declared distances	LDOS AD 2 - 6
LDOS AD 2.14	Approach and runway lighting	LDOS AD 2 - 7
LDOS AD 2.15	Other lighting, secondary power supply	LDOS AD 2 - 7
LDOS AD 2.16	Helicopter landing area	LDOS AD 2 - 8
LDOS AD 2.17	ATS airspace	LDOS AD 2 - 8
LDOS AD 2.18	ATS communication facilities	LDOS AD 2 - 9
LDOS AD 2.19	Radio navigation and landing aids	LDOS AD 2 - 9
LDOS AD 2.20	Local aerodrome regulations	LDOS AD 2 - 10
2.20.1	General	LDOS AD 2 - 10
LDOS AD 2.21	Noise abatement procedures	LDOS AD 2 - 10
LDOS AD 2.22	Flight procedures	LDOS AD 2 - 10
2.22.1	Low visibility procedures	LDOS AD 2 - 10
2.22.2	SID RWY 11.	LDOS AD 2 - 11
2.22.3	SID RWY 29.	LDOS AD 2 - 12
2.22.4	STAR RWY 11.	LDOS AD 2 - 12
2.22.5	STAR RWY 29.	LDOS AD 2 - 13
LDOS AD 2.23	Additional information	LDOS AD 2 - 13
LDOS AD 2.24	Charts related to an aerodrome	LDOS AD 2 - 14
LDOS AD 2.25	Visual segment surface (VSS) penetration	LDOS AD 2 - 15
	LDOS AD 2.24.1 ADC - 1	
	LDOS AD 2.24.2 APDC - 1	
	LDOS AD 2.24.4 AOC RWY 11/29 - 1	
	LDOS AD 2.24.8 SID RWY 11 - 1	
	LDOS AD 2.24.8 SID RNP RWY 11 - 1	

	LDOS AD 2.24.8 SID RWY 29 - 1	
	LDOS AD 2.24.8 SID RNP RWY 29 - 1	
	LDOS AD 2.24.10 STAR RWY 11 - 1	
	LDOS AD 2.24.10 STAR RNP RWY 11 - 1	
	LDOS AD 2.24.10 STAR RWY 29 - 1	
	LDOS AD 2.24.10 STAR RNP RWY 29 - 1	
	LDOS AD 2.24.11 ATCSMAC - 1	
	LDOS AD 2.24.12 IAC L RWY 11 - 1	
	LDOS AD 2.24.12 IAC ILS or LOC RWY 11 - 1	
	LDOS AD 2.24.12 IAC NDB RWY 11 - 1	
	LDOS AD 2.24.12 IAC NDB RWY 29 - 1	
	LDOS AD 2.24.12 IAC ILSx or LOCx RWY 29 CAT A&B - 1	
	LDOS AD 2.24.12 IAC ILSy or LOCy RWY 29 - 1	
	LDOS AD 2.24.12 IAC ILS z or LOC z RWY 29 - 1	
	LDOS AD 2.24.12 IAC RNP RWY 11 - 1	
	LDOS AD 2.24.12 IAC RNP-a RWY 29 - 1	
	LDOS AD 2.24.13 VOC - 1	
LDPL AD 2		LDPL AD 2 - 1
LDPL AD 2.1	Aerodrome location indicator and name	LDPL AD 2 - 1
	LDPL - AIRPORT PULA / Pula	
LDPL AD 2.2	Aerodrome geographical and administrative data	LDPL AD 2 - 1
LDPL AD 2.3	Operational hours	LDPL AD 2 - 2
LDPL AD 2.4	Handling services and facilities	LDPL AD 2 - 2
LDPL AD 2.5	Passenger facilities	LDPL AD 2 - 3
LDPL AD 2.6	Rescue and fire fighting services	LDPL AD 2 - 3
LDPL AD 2.7	Runway surface condition assessment and reporting, and snow plan	LDPL AD 2 - 4
LDPL AD 2.8	Aprons, taxiways and check locations/positions data	LDPL AD 2 - 4
LDPL AD 2.9	Surface movement guidance and control system and markings	LDPL AD 2 - 5
LDPL AD 2.10	Aerodrome obstacles	LDPL AD 2 - 5
LDPL AD 2.11	Meteorological information provided	LDPL AD 2 - 6
LDPL AD 2.12	Runway physical characteristics	LDPL AD 2 - 7
LDPL AD 2.13	Declared distances	LDPL AD 2 - 8
LDPL AD 2.14	Approach and runway lighting	LDPL AD 2 - 8
LDPL AD 2.15	Other lighting, secondary power supply	LDPL AD 2 - 8
LDPL AD 2.16	Helicopter landing area	LDPL AD 2 - 9
LDPL AD 2.17	ATS airspace	LDPL AD 2 - 9
LDPL AD 2.18	ATS communication facilities	LDPL AD 2 - 9
LDPL AD 2.19	Radio navigation and landing aids	LDPL AD 2 - 10
LDPL AD 2.20	Local aerodrome regulations	LDPL AD 2 - 11
	LDPL AD 2.20.1 Code letter E and four-engine aircraft operation	LDPL AD 2 - 11
	LDPL AD 2.20.2 TAXI Procedures	LDPL AD 2 - 12
	LDPL AD 2.20.3 Helicopter operations	LDPL AD 2 - 12
	LDPL AD 2.20.4 Adverse weather conditions	LDPL AD 2 - 12
LDPL AD 2.21	Noise abatement procedures	LDPL AD 2 - 12
LDPL AD 2.22	Flight procedures	LDPL AD 2 - 12
LDPL AD 2.23	Additional information	LDPL AD 2 - 16
LDPL AD 2.24	Charts related to an aerodrome	LDPL AD 2 - 17
LDPL AD 2.25	Visual segment surface (VSS) penetration	LDPL AD 2 - 18
	LDPL AD 2.24.1 ADC - 1	
	LDPL AD 2.24.2 APDC - 1	
	LDPL AD 2.24.4 AOC RWY 09/27 - 1	
	LDPL AD 2.24.8 SID RWY 09 - 1	
	LDPL AD 2.24.8 SID RNAV RWY 09 - 1	
	LDPL AD 2.24.8 SID RWY 27 - 1	

	LDPL AD 2.24.8 SID RNAV RWY 27 - 1	
	LDPL AD 2.24.10 STAR RWY 09 - 1	
	LDPL AD 2.24.10 STAR RWY 27 - 1	
	LDPL AD 2.24.10 STAR RNAV RWY 09 - 1	
	LDPL AD 2.24.10 STAR RNAV RWY 27 - 1	
	LDPL AD 2.24.11 ATCSMAC - 1	
	LDPL AD 2.24.12 IAC VOR RWY 09 - 1	
	LDPL AD 2.24.12 IAC VOR RWY 27 - 1	
	LDPL AD 2.24.12 IAC ILS y or LOC y RWY 27 - 1	
	LDPL AD 2.24.12 IAC ILS z or LOC z RWY 27 - 1	
	LDPL AD 2.24.12 IAC RNP RWY 09 - 1	
	LDPL AD 2.24.12 IAC RNP RWY 27 - 1	
	LDPL AD 2.24.13 VOC - 1	
	LDPL AD 2.24.14 BC - 1	
LDRI AD 2		LDRI AD 2 - 1
LDRI AD 2.1	Aerodrome location indicator and name	LDRI AD 2 - 1
	LDRI - AIRPORT RIJEKA / Krk I.	
LDRI AD 2.2	Aerodrome geographical and administrative data	LDRI AD 2 - 1
LDRI AD 2.3	Operational hours	LDRI AD 2 - 1
LDRI AD 2.4	Handling services and facilities	LDRI AD 2 - 2
LDRI AD 2.5	Passenger facilities	LDRI AD 2 - 2
LDRI AD 2.6	Rescue and fire fighting services	LDRI AD 2 - 3
LDRI AD 2.7	Runway surface condition assessment and reporting, and snow plan	LDRI AD 2 - 3
LDRI AD 2.8	Aprons, taxiways and check locations/positions data	LDRI AD 2 - 3
LDRI AD 2.9	Surface movement guidance and control system and markings	LDRI AD 2 - 4
LDRI AD 2.10	Aerodrome obstacles	LDRI AD 2 - 4
LDRI AD 2.11	Meteorological information provided	LDRI AD 2 - 5
LDRI AD 2.12	Runway physical characteristics	LDRI AD 2 - 5
LDRI AD 2.13	Declared distances	LDRI AD 2 - 6
LDRI AD 2.14	Approach and runway lighting	LDRI AD 2 - 6
LDRI AD 2.15	Other lighting, secondary power supply	LDRI AD 2 - 8
LDRI AD 2.16	Helicopter landing area	LDRI AD 2 - 8
LDRI AD 2.17	ATS airspace	LDRI AD 2 - 8
LDRI AD 2.18	ATS communication facilities	LDRI AD 2 - 9
LDRI AD 2.19	Radio navigation and landing aids	LDRI AD 2 - 9
LDRI AD 2.20	Local aerodrome regulations	LDRI AD 2 - 10
	LDRI AD 2.20.1. Taxi procedures	LDRI AD 2 - 10
	LDRI AD 2.20.2. Four-engine aircraft operation	LDRI AD 2 - 10
LDRI AD 2.21	Noise abatement procedures	LDRI AD 2 - 10
LDRI AD 2.22	Flight procedures	LDRI AD 2 - 10
LDRI AD 2.23	Additional information	LDRI AD 2 - 13
LDRI AD 2.24	Charts related to an aerodrome	LDRI AD 2 - 14
LDRI AD 2.25	Visual segment surface (VSS) penetration	LDRI AD 2 - 15
	LDRI AD 2.24.1 ADC - 1	
	LDRI AD 2.24.2 APDC - 1	
	LDRI AD 2.24.4 AOC RWY 14/32 - 1	
	LDRI AD 2.24.8 SID RWY 14 - 1	
	LDRI AD 2.24.8 SID RNAV RWY 14 - 1	
	LDRI AD 2.24.8 SID RWY 32 - 1	
	LDRI AD 2.24.8 SID RNAV RWY 32 - 1	
	LDRI AD 2.24.10 STAR RWY 14/32 - 1	
	LDRI AD 2.24.10 STAR RNAV RWY 14 - 1	
	LDRI AD 2.24.10 STAR RNAV RWY 32 - 1	
	LDRI AD 2.24.12 IAC VOR RWY 14 - 1	

	LDRI AD 2.24.12 IAC ILS y or LOC y RWY 14 - 1	
	LDRI AD 2.24.12 IAC ILS z or LOC z RWY 14 - 1	
	LDRI AD 2.24.12 IAC RNP RWY 14 - 1	
	LDRI AD 2.24.12 IAC RNP RWY 32 - 1	
	LDRI AD 2.24.12 IAC VOR RWY 32 - 1	
	LDRI AD 2.24.13 VOC - 1	
LDSB AD 2		LDSB AD 2 - 1
LDSB AD 2.1	Aerodrome location indicator and name	LDSB AD 2 - 1
LDSB - AERODROME BRAČ / Brač I.		
LDSB AD 2.2	Aerodrome geographical and administrative data	LDSB AD 2 - 1
LDSB AD 2.3	Operational hours	LDSB AD 2 - 2
LDSB AD 2.4	Handling services and facilities	LDSB AD 2 - 2
LDSB AD 2.5	Passenger facilities	LDSB AD 2 - 2
LDSB AD 2.6	Rescue and fire fighting services	LDSB AD 2 - 3
LDSB AD 2.7	Runway surface condition assessment and reporting, and snow plan	LDSB AD 2 - 3
LDSB AD 2.8	Aprons, taxiways and check locations/positions data	LDSB AD 2 - 3
LDSB AD 2.9	Surface movement guidance and control system and markings	LDSB AD 2 - 4
LDSB AD 2.10	Aerodrome obstacles	LDSB AD 2 - 4
LDSB AD 2.11	Meteorological information provided	LDSB AD 2 - 5
LDSB AD 2.12	Runway physical characteristics	LDSB AD 2 - 6
LDSB AD 2.13	Declared distances	LDSB AD 2 - 6
LDSB AD 2.14	Approach and runway lighting	LDSB AD 2 - 7
LDSB AD 2.15	Other lighting, secondary power supply	LDSB AD 2 - 7
LDSB AD 2.16	Helicopter landing area	LDSB AD 2 - 8
LDSB AD 2.17	ATS airspace	LDSB AD 2 - 8
LDSB AD 2.18	ATS communication facilities	LDSB AD 2 - 9
LDSB AD 2.19	Radio navigation and landing aids	LDSB AD 2 - 9
LDSB AD 2.20	Local aerodrome regulations	LDSB AD 2 - 9
LDSB AD 2.21	Noise abatement procedures	LDSB AD 2 - 9
LDSB AD 2.22	Flight procedures	LDSB AD 2 - 10
LDSB AD 2.23	Additional information	LDSB AD 2 - 11
LDSB AD 2.24	Charts related to an aerodrome	LDSB AD 2 - 12
LDSB AD 2.25	Visual segment surface (VSS) penetration	LDSB AD 2 - 13
	LDSB AD 2.24.1 ADC - 1	
	LDSB AD 2.24.2 APDC - 1	
	LDSB AD 2.24.4 AOC RWY 03/21 - 1	
	LDSB AD 2.24.8 SID RWY 03 CAT A/B&C - 1	
	LDSB AD 2.24.8 SID RNAV RWY 03 - 1	
	LDSB AD 2.24.8 SID RWY 21 CAT A/B&C - 1	
	LDSB AD 2.24.8 SID RNAV RWY 21 - 1	
	LDSB AD 2.24.10 STAR RWY 03/21 CAT A/B&C - 1	
	LDSB AD 2.24.10 STAR RNAV RWY 03-21 - 1	
	LDSB AD 2.24.12 IAC NDB RWY 03 - 1	
	LDSB AD 2.24.12 IAC VOR-a RWY 03/21 - 1	
	LDSB AD 2.24.12 IAC NDB-a RWY 21 - 1	
	LDSB AD 2.24.12 IAC NDB RWY 21 - 1	
	LDSB AD 2.24.12 IAC RNP RWY 03 - 1	
	LDSB AD 2.24.12 IAC RNP RWY 21 - 1	
	LDSB AD 2.24.13 VOC - 1	
LDSP AD 2		LDSP AD 2 - 1
LDSP AD 2.1	Aerodrome location indicator and name	LDSP AD 2 - 1
LDSP - AIRPORT SPLIT / SAINT JEROME		
LDSP AD 2.2	Aerodrome geographical and administrative data	LDSP AD 2 - 1
LDSP AD 2.3	Operational hours	LDSP AD 2 - 2

LDSP AD 2.4	Handling services and facilities	LDSP AD 2 - 2
LDSP AD 2.5	Passenger facilities	LDSP AD 2 - 3
LDSP AD 2.6	Rescue and fire fighting services	LDSP AD 2 - 3
LDSP AD 2.7	Runway surface condition assessment and reporting, and snow plan	LDSP AD 2 - 3
LDSP AD 2.8	Aprons, taxiways and check locations/positions data	LDSP AD 2 - 4
LDSP AD 2.9	Surface movement guidance and control system and markings	LDSP AD 2 - 4
LDSP AD 2.10	Aerodrome obstacles	LDSP AD 2 - 5
LDSP AD 2.11	Meteorological information provided	LDSP AD 2 - 14
LDSP AD 2.12	Runway physical characteristics	LDSP AD 2 - 15
LDSP AD 2.13	Declared distances	LDSP AD 2 - 15
LDSP AD 2.14	Approach and runway lighting	LDSP AD 2 - 16
LDSP AD 2.15	Other lighting, secondary power supply	LDSP AD 2 - 16
LDSP AD 2.16	Helicopter landing area	LDSP AD 2 - 16
LDSP AD 2.17	ATS airspace	LDSP AD 2 - 17
LDSP AD 2.18	ATS communication facilities	LDSP AD 2 - 18
LDSP AD 2.19	Radio navigation and landing aids	LDSP AD 2 - 18
LDSP AD 2.20	Local aerodrome regulations	LDSP AD 2 - 19
LDSP AD 2.20.1.	Minimum runway occupancy time	LDSP AD 2 - 19
LDSP AD 2.20.2.	Taxi procedures	LDSP AD 2 - 20
LDSP AD 2.20.3.	Code letter E and four-engine aircraft operation	LDSP AD 2 - 20
LDSP AD 2.21	Noise abatement procedures	LDSP AD 2 - 21
LDSP AD 2.22	Flight procedures	LDSP AD 2 - 21
LDSP AD 2.23	Additional information	LDSP AD 2 - 27
LDSP AD 2.24	Charts related to an aerodrome	LDSP AD 2 - 28
LDSP AD 2.25	Visual segment surface (VSS) penetration	LDSP AD 2 - 29
	LDSP AD 2.24.1 ADC - 1	
	LDSP AD 2.24.2 APDC - 1	
	LDSP AD 2.24.4 AOC RWY 05 - 1	
	LDSP AD 2.24.4 AOC RWY 23 - 1	
	LDSP AD 2.24.8 SID RWY 05 - 1	
	LDSP AD 2.24.8 SID RNAV RWY 05 - 1	
	LDSP AD 2.24.8 SID RWY 23 - 1	
	LDSP AD 2.24.8 SID RNAV RWY 23 - 1	
	LDSP AD 2.24.10 STAR RWY 05 - 1	
	LDSP AD 2.24.10 STAR RNAV RWY 05 - 1	
	LDSP AD 2.24.10 STAR RWY 23 - 1	
	LDSP AD 2.24.10 STAR RNAV RWY 23 - 1	
	LDSP AD 2.24.11 ATCSMAC - 1	
	LDSP AD 2.24.12 IAC NDB RWY 05 - 1	
	LDSP AD 2.24.12 IAC ILSy or LOCy RWY 05 - 1	
	LDSP AD 2.24.12 IAC ILSz or LOCz RWY 05 - 1	
	LDSP AD 2.24.12 IAC RNP Y RWY 05 - 1	
	LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only) - 1	
	LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 - 1	
	LDSP AD 2.24.12 IAC VOR-b RWY 23 - 1	
	LDSP AD 2.24.13 VAC RWY 23 - 1	
	LDSP AD 2.24.13 VOC - 1	
	LDSP AD 2.24.14 BC - 1	
LDZA AD 2		LDZA AD 2 - 1
LDZA AD 2.1	Aerodrome location indicator and name	LDZA AD 2 - 1
	LDZA - AIRPORT ZAGREB / Franjo Tudjman	
LDZA AD 2.2	Aerodrome geographical and administrative data	LDZA AD 2 - 1
LDZA AD 2.3	Operational hours	LDZA AD 2 - 2
LDZA AD 2.4	Handling services and facilities	LDZA AD 2 - 2

LDZA AD 2.5	Passenger facilities	LDZA AD 2 - 3
LDZA AD 2.6	Rescue and fire fighting services	LDZA AD 2 - 3
LDZA AD 2.7	Runway surface condition assessment and reporting, and snow plan	LDZA AD 2 - 3
LDZA AD 2.8	Aprons, taxiways and check locations/positions data	LDZA AD 2 - 4
LDZA AD 2.9	Surface movement guidance and control system and markings	LDZA AD 2 - 5
LDZA AD 2.10	Aerodrome obstacles	LDZA AD 2 - 6
LDZA AD 2.11	Meteorological information provided	LDZA AD 2 - 7
LDZA AD 2.12	Runway physical characteristics	LDZA AD 2 - 8
LDZA AD 2.13	Declared distances	LDZA AD 2 - 8
LDZA AD 2.14	Approach and runway lighting	LDZA AD 2 - 9
LDZA AD 2.15	Other lighting, secondary power supply	LDZA AD 2 - 9
LDZA AD 2.16	Helicopter landing area	LDZA AD 2 - 10
LDZA AD 2.17	ATS airspace	LDZA AD 2 - 10
LDZA AD 2.18	ATS communication facilities	LDZA AD 2 - 11
LDZA AD 2.19	Radio navigation and landing aids	LDZA AD 2 - 12
LDZA AD 2.20	Local aerodrome regulations	LDZA AD 2 - 13
2.20.1	General	LDZA AD 2 - 13
2.20.2	Arrival	LDZA AD 2 - 14
2.20.3	Departure	LDZA AD 2 - 14
2.20.4	Rescue and fire fighting service	LDZA AD 2 - 15
LDZA AD 2.21	Noise abatement procedures	LDZA AD 2 - 15
LDZA AD 2.22	Flight procedures	LDZA AD 2 - 15
2.22.1	Low visibility procedures	LDZA AD 2 - 15
2.22.2	SID RWY 04	LDZA AD 2 - 17
2.22.3	SID RWY 22	LDZA AD 2 - 18
2.22.4	STAR RWY 04	LDZA AD 2 - 20
2.22.5	STAR RWY 22	LDZA AD 2 - 21
LDZA AD 2.23	Additional information	LDZA AD 2 - 22
LDZA AD 2.24	Charts related to an aerodrome	LDZA AD 2 - 23
LDZA AD 2.25	Visual segment surface (VSS) penetration	LDZA AD 2 - 23
	LDZA AD 2.24.1 ADC - 1	
	LDZA AD 2.24.2 APDC EAST - 1	
	LDZA AD 2.24.2 APDC WEST - 1	
	LDZA AD 2.24.4 AOC RWY 04/22 - 1	
	LDZA AD 2.24.6 PATC RWY 04 - 1	
	LDZA AD 2.24.8 SID RWY 04 - 1	
	LDZA AD 2.24.8 SID RNAV RWY 04 - 1	
	LDZA AD 2.24.8 SID RWY 22 - 1	
	LDZA AD 2.24.8 SID RNAV RWY 22 - 1	
	LDZA AD 2.24.10 STAR RWY 04 - 1	
	LDZA AD 2.24.10 STAR RNAV RWY 04 - 1	
	LDZA AD 2.24.10 STAR RWY 22 - 1	
	LDZA AD 2.24.10 STAR RNAV RWY 22 - 1	
	LDZA AD 2.24.11 ATCSMAC - 1	
	LDZA AD 2.24.12 IAC L RWY 04 - 1	
	LDZA AD 2.24.12 IAC ILS y or LOC y RWY 04 - 1	
	LDZA AD 2.24.12 IAC ILS z or LOC z RWY 04 - 1	
	LDZA AD 2.24.12 IAC L RWY 22 - 1	
	LDZA AD 2.24.12 IAC ILS y or LOC y RWY 22 - 1	
	LDZA AD 2.24.12 IAC ILS z or LOC z RWY 22 - 1	
	LDZA AD 2.24.12 IAC RNP RWY 04 - 1	
	LDZA AD 2.24.12 IAC RNP RWY 22 - 1	
	LDZA AD 2.24.13 VOC - 1	
	LDZA AD 2.24.14 BC - 1	
LDZD AD 2		LDZD AD 2 - 1

LDZD AD 2.1	Aerodrome location indicator and name	LDZD AD 2 - 1
LDZD - AIRPORT ZADAR / Zemunik		
LDZD AD 2.2	Aerodrome geographical and administrative data	LDZD AD 2 - 1
LDZD AD 2.3	Operational hours	LDZD AD 2 - 2
LDZD AD 2.4	Handling services and facilities	LDZD AD 2 - 2
LDZD AD 2.5	Passenger facilities	LDZD AD 2 - 3
LDZD AD 2.6	Rescue and fire fighting services	LDZD AD 2 - 3
LDZD AD 2.7	Runway surface condition assessment and reporting, and snow plan	LDZD AD 2 - 3
LDZD AD 2.8	Aprons, taxiways and check locations/positions data	LDZD AD 2 - 4
LDZD AD 2.9	Surface movement guidance and control system and markings	LDZD AD 2 - 5
LDZD AD 2.10	Aerodrome obstacles	LDZD AD 2 - 6
LDZD AD 2.11	Meteorological information provided	LDZD AD 2 - 6
LDZD AD 2.12	Runway physical characteristics	LDZD AD 2 - 7
LDZD AD 2.13	Declared distances	LDZD AD 2 - 8
LDZD AD 2.14	Approach and runway lighting	LDZD AD 2 - 8
LDZD AD 2.15	Other lighting, secondary power supply	LDZD AD 2 - 9
LDZD AD 2.16	Helicopter landing area	LDZD AD 2 - 9
LDZD AD 2.17	ATS airspace	LDZD AD 2 - 9
LDZD AD 2.18	ATS communication facilities	LDZD AD 2 - 10
LDZD AD 2.19	Radio navigation and landing aids	LDZD AD 2 - 10
LDZD AD 2.20	Local aerodrome regulations	LDZD AD 2 - 12
LDZD AD 2.20.1	Code letter E aircraft	LDZD AD 2 - 13
LDZD AD 2.20.2	Fire fighting category	LDZD AD 2 - 13
LDZD AD 2.21	Noise abatement procedures	LDZD AD 2 - 13
LDZD AD 2.22	Flight procedures	LDZD AD 2 - 13
LDZD AD 2.23	Additional information	LDZD AD 2 - 17
LDZD AD 2.24	Charts related to an aerodrome	LDZD AD 2 - 17
LDZD AD 2.25	Visual segment surface (VSS) penetration	LDZD AD 2 - 18
	LDZD AD 2.24.1 ADC - 1	
	LDZD AD 2.24.2 APDC - 1	
	LDZD AD 2.24.4 AOC RWY 04/22 - 1	
	LDZD AD 2.24.4 AOC RWY 13/31 - 1	
	LDZD AD 2.24.8 SID RWY 04 - 1	
	LDZD AD 2.24.8 SID RNAV RWY 04 - 1	
	LDZD AD 2.24.8 SID RWY 13 - 1	
	LDZD AD 2.24.8 SID RNAV RWY 13 - 1	
	LDZD AD 2.24.8 SID RWY 22 - 1	
	LDZD AD 2.24.8 SID RNAV RWY 22 - 1	
	LDZD AD 2.24.8 SID RWY 31 - 1	
	LDZD AD 2.24.8 SID RNAV RWY 31 - 1	
	LDZD AD 2.24.10 STAR RWY 04 & 13/31 - 1	
	LDZD AD 2.24.10 STAR RNAV RWY 04 - 1	
	LDZD AD 2.24.10 STAR RNAV RWY 13 - 1	
	LDZD AD 2.24.10 STAR RNAV RWY 31 - 1	
	LDZD AD 2.24.11 ATCSMAC - 1	
	LDZD AD 2.24.12 IAC VOR RWY 04 - 1	
	LDZD AD 2.24.12 IAC Ly RWY 13 - 1	
	LDZD AD 2.24.12 IAC Lz RWY 13 - 1	
	LDZD AD 2.24.12 IAC VOR RWY 13 - 1	
	LDZD AD 2.24.12 IAC ILS or LOC RWY 13 - 1	
	LDZD AD 2.24.12 IAC RNP RWY 04 - 1	
	LDZD AD 2.24.12 IAC RNP Y RWY 13 - 1	
	LDZD AD 2.24.12 IAC RNP Z RWY 13 - 1	
	LDZD AD 2.24.12 IAC RNP RWY 31 - 1	

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

LDDU AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Guide lines at Apron, nose-in guidance at aircraft stands, Marshaller, vehicle "Follow me", docking guidance system APIS (AVGDS) available at aircraft stands 10, 10A, 11, 12, 14 and 14A.
2	RWY and TWY markings and LGT	RWY-11/29: RWY Designations, THR/lighted, displaced THR, centre line/lighted, edges/lighted, TDZ, aiming point, turnpad at THR 29*/lighted, pre-threshold area. TWY A centre line, enhanced centre line, mandatory instruction marking, edges/lighted, holding position. TWY B centre line, enhanced centre line, mandatory instruction marking, edges/lighted, holding position. TWY C centre line, enhanced centre line, mandatory instruction marking, edges/lighted, holding position, hold for follow me (ATC service boundary). TWY D centre line, enhanced centre line, mandatory instruction marking, edges/lighted, holding position, hold for follow me (ATC service boundary). TWY E centre line, enhanced centre line, mandatory instruction marking, edges/lighted, holding position. TWY F centre line, enhanced centre line, mandatory instruction marking, edges/lighted, holding position. TWY G centre line, edges/lighted, ATC service boundary, hold for follow me. TWY W centre line, edges/lighted, ATC service boundary, hold for follow me.
3	Stop bars	Nil
4	Remarks	TWY A - RWY guard lights TWY B - RWY guard lights TWY C - RWY guard lights TWY D - RWY guard lights TWY E - RWY guard lights TWY F - RWY guard lights * for limitations on turn pad at RWY 29 THR see AD 2.20

LDDU AD 2.10 AERODROME OBSTACLES

Obstacles in Area 2A:

Area 2A					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2021_2A_0721_5000	ANEMOMETER	423408.18N 0181507.95E	565 FT / NIL	Yes LIL Type B/red	NIL
LDDU_2A_DBK VOR/DME	ANTENNA	423403.53 N 0181522.00 E	558 FT / 29 FT	Yes/ Flood, Red, Yes	Markings: Red - White stripes
LDDU_2A_NFM ANTENNA_POLE	POLE	423403.79 N 0181522.00 E	551 FT / 21 FT	No No	NIL

Area 2A					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2025_2A_3779	OTHER:TERRAIN	423316.5N 0181657.6E	519 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2A_3780	OTHER:TERRAIN	423316.5N 0181654.8E	523 FT / NIL	No No	CLOSE IN OBSTACLE

Obstacle in Area 2B:

Area 2B					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2021_2B_0721_1	TREE	423315.81N 0181655.59E	517 FT / NIL	No No	NIL
LDDU2021_2B_0721_2	TREE	423315.65N 0181656.89E	515 FT / NIL	No No	NIL
LDDU2021_2B_0721_3	TREE	423315.53N 0181656.88E	519 FT / NIL	No No	NIL
LDDU2021_2B_0721_4	BUILDING	423314.79N 0181658.35E	518 FT / NIL	No No	NIL
LDDU2021_2B_0721_5	BUILDING	423314.37N 0181658.27E	524 FT / NIL	No No	NIL
LDDU2021_2B_0721_6	TREE	423313.38N 0181703.09E	511 FT / NIL	No No	NIL
LDDU2021_2B_0721_7	TREE	423313.32N 0181703.33E	509 FT / NIL	No No	NIL
LDDU2021_2B_0721_8	TREE	423313.12N 0181703.80E	510 FT / NIL	No No	NIL
LDDU2021_2B_0721_9	TREE	423312.90N 0181703.96E	509 FT / NIL	No No	NIL
LDDU2021_2B_0721_10	TREE	423311.71N 0181703.43E	517 FT / NIL	No No	NIL
LDDU2021_2B_0721_11	TREE	423312.82N 0181704.63E	507 FT / NIL	No No	NIL
LDDU2021_2B_0721_12	TREE	423312.70N 0181705.36E	513 FT / NIL	No No	NIL
LDDU2021_2B_0721_13	TREE	423311.75N 0181703.60E	511 FT / NIL	No No	NIL
LDDU2021_2B_0721_14	TREE	423312.39N 0181706.28E	508 FT / NIL	No No	NIL
LDDU2021_2B_0721_15	TREE	423312.28N 0181706.48E	508 FT / NIL	No No	NIL
LDDU2021_2B_0721_16	STADIUM	423311.97N 0181705.93E	510 FT / NIL	No No	NIL

Area 2B					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2021_2B_0721_17	BUILDING	423311.47N 0181706.39E	516 FT / NIL	No No	NIL
LDDU2021_2B_0721_18	WALL	423311.55N 0181707.08E	516 FT / NIL	No No	NIL
LDDU2021_2B_0721_19	BUILDING	423311.50N 0181707.07E	516 FT / NIL	No No	NIL
LDDU2021_2B_0721_22	TREE	423313.46N 0181703.96E	501 FT / NIL	No No	NIL
LDDU2021_2B_0721_23	TOWER	423314.30N 0181705.31E	496 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2B_0721_24	TREE	423313.29N 0181704.35E	499 FT / NIL	No No	NIL
LDDU2021_2B_0721_25	TREE	423313.15N 0181705.04E	500 FT / NIL	No No	NIL
LDDU2021_2B_0721_26	TREE	423312.28N 0181707.01E	511 FT / NIL	No No	NIL
LDDU2021_2B_0721_27	TREE	423312.27N 0181707.37E	501 FT / NIL	No No	NIL
LDDU2021_2B_0721_28	TREE	423311.97N 0181707.51E	507 FT / NIL	No No	NIL
LDDU2021_2B_0721_29	TREE	423311.25N 0181707.44E	502 FT / NIL	No No	NIL
LDDU2021_2B_0721_30	TREE	423311.12N 0181707.37E	501 FT / NIL	No No	NIL
LDDU2021_2B_0721_31	TREE	423310.96N 0181707.05E	507 FT / NIL	No No	NIL
LDDU2021_2B_0721_35	POLE	423312.10N 0181704.75E	543 FT / NIL	No No	NIL
LDDU2021_2B_0721_36	POLE	423311.82N 0181705.37E	543 FT / NIL	No No	NIL
LDDU2021_2B_0721_37	POLE	423311.53N 0181706.00E	543 FT / NIL	No No	NIL
LDDU2021_2B_0721_38	POLE	423311.23N 0181706.63E	543 FT / NIL	No No	NIL
LDDU2021_2B_0721_89	TREE	423315.50N 0181656.75E	513 FT / NIL	No No	NIL
LDDU2021_2B_0721_90	POLE	423313.80N 0181703.37E	514 FT / NIL	No No	NIL
LDDU2021_2B_0721_91	TREE	423312.96N 0181704.08E	509 FT / NIL	No No	NIL
LDDU2021_2B_0721_92	TREE	423312.82N 0181705.86E	502 FT / NIL	No No	NIL
LDDU2021_2B_0721_93	TREE	423312.72N 0181705.92E	505 FT / NIL	No No	NIL

Area 2B					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2021_2B_0721_94	FENCE	423310.10N 0181706.10E	513 FT / NIL	No No	NIL
LDDU2021_2B_0721_95	TREE	423312.80N 0181706.15E	499 FT / NIL	No No	NIL
LDDU2021_2B_0721_96	TREE	423312.73N 0181706.30E	498 FT / NIL	No No	NIL
LDDU2021_2B_0721_97	TREE	423312.21N 0181707.03E	510 FT / NIL	No No	NIL
LDDU2021_2B_0721_98	TREE	423309.99N 0181707.16E	500 FT / NIL	No No	NIL
LDDU2021_2B_0721_99	TREE	423311.18N 0181707.51E	500 FT / NIL	No No	NIL
LDDU2025_2B_3768	BUILDING	423314.4N 0181701.6E	514 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2B_3771	OTHER:LIGHT	423311.3N 0181706.6E	544 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2B_3772	OTHER:LIGHT	423312.1N 0181704.8E	544 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2B_3778	OTHER:TERRAIN	423312.2N 0181703.1E	544 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2B_3799	TREE	423250.9N 0181741.9E	580 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2B_3800	TREE	423253.0N 0181739.2E	569 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2B_3816	TREE	423257.3N 0181730.7E	566 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2B_3829	TREE	423303.7N 0181719.7E	544 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2B_3887	TREE	423414.4N 0181424.7E	569 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2B_3888	TREE	423412.3N 0181427.4E	593 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2B_3889	TREE	423414.3N 0181427.5E	573 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2B_3890	TREE	423414.3N 0181430.3E	568 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2B_3891	TREE	423412.2N 0181430.2E	586 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2B_3897	TREE	423412.2N 0181433.0E	565 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2B_3898	TREE	423412.1N 0181435.8E	555 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2B_3899	TREE	423410.0N 0181435.8E	603 FT / NIL	No No	CLOSE IN OBSTACLE

Area 2B					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2025_2B_3901	TREE	423410.0N 0181438.6E	580 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2B_3902	TREE	423412.1N 0181438.7E	555 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2B_3903	TREE	423412.0N 0181441.5E	547 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2B_3905	TREE	423410.0N 0181441.4E	560 FT / NIL	No No	CLOSE IN OBSTACLE

For obstacles that penetrate the take-off flight path area obstacle identification surface see LDDU AD 2.24.4 AOC RWY 11-1 and LDDU AD 2.24.4 AOC RWY 29 -1.

Obstacles in Area 2C:

Area 2C					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2021_2C_0721_3251	TREE	423345.70N 0181518.12E	579 FT / NIL	No No	NIL
LDDU2021_2C_0721_3254	TREE	423344.50N 0181517.00E	595 FT / NIL	No No	NIL
LDDU2021_2C_0721_3255	TREE	423344.67N 0181517.15E	596 FT / NIL	No No	NIL
LDDU2021_2C_0721_3257	TREE	423343.64N 0181517.05E	585 FT / NIL	No No	NIL
LDDU2021_2C_0721_3258	TREE	423323.46N 0181624.73E	552 FT / NIL	No No	NIL
LDDU2021_2C_0721_3259	TREE	423321.23N 0181617.77E	559 FT / NIL	No No	NIL
LDDU2021_2C_0721_3260	TREE	423321.65N 0181618.05E	564 FT / NIL	No No	NIL
LDDU2021_2C_0721_3264	TREE	423312.48N 0181655.00E	554 FT / NIL	No No	NIL
LDDU2021_2C_0721_3265	TREE	423312.48N 0181655.01E	554 FT / NIL	No No	NIL
LDDU2021_2C_0721_3269	TREE	423311.94N 0181655.50E	554 FT / NIL	No No	NIL
LDDU2021_2C3_0721_3280	POLE	423324.90N 0181618.37E	582 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C3_0721_3281	POLE	423329.64N 0181608.70E	577 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C_0721_3282	TREE	423333.28N 0181551.97E	552 FT / NIL	No No	NIL

Area 2C					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2021_2C3_0721_3283	POLE	423336.32N 0181550.58E	581 FT / NIL	No No	NIL
LDDU2021_2C3_0721_3284	POLE	423336.43N 0181548.93E	590 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C3_0721_3285	BUILDING	423335.64N 0181547.72E	604 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C3_0721_3286	POLE	423337.16N 0181548.50E	582 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C3_0721_3287	POLE	423338.19N 0181546.18E	577 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C3_0721_3288	POLE	423338.82N 0181544.27E	578 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C_0721_3289	POLE	423338.79N 0181530.74E	584 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C_0721_3290	POLE	423346.50N 0181524.84E	588 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C_0721_3291	POLE	423345.35N 0181527.57E	586 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C_0721_3292	CONTROL TOWER	423344.73N 0181519.01E	568 FT / NIL	No No	NIL
LDDU2021_2C_0721_3293	BUILDING	423337.64N 0181547.73E	569 FT / NIL	No No	NIL
LDDU2021_2C3_0721_3294	POLE	423330.80N 0181605.94E	576 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C_0721_3295	BUILDING	423337.04N 0181543.70E	580 FT / NIL	No No	NIL
LDDU2021_2C3_0721_3296	POLE	423335.29N 0181551.81E	586 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C_0721_3297	TREE	423334.62N 0181553.59E	554 FT / NIL	No No	NIL
LDDU2021_2C3_0721_3298	POLE	423334.03N 0181554.97E	587 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C3_0721_3299	POLE	423332.63N 0181558.50E	587 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C3_0721_3300	POLE	423331.55N 0181601.24E	587 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C_0721_3301	POLE	423328.33N 0181609.74E	583 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C_0721_3302	POLE	423344.06N 0181530.88E	585 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C3_0721_3303	POLE	423339.63N 0181542.53E	577 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C_0721_3304	POLE	423327.13N 0181612.73E	582 FT / NIL	Yes LIL Type B/red	NIL

Area 2C					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2021_2C_0721_3305	POLE	423325.89N 0181615.83E	580 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C_0721_3306	POLE	423340.29N 0181526.03E	586 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C_0721_3307	POLE	423342.30N 0181521.75E	587 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C3_0721_3308	POLE	423340.68N 0181539.59E	577 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C_0721_3309	POLE	423341.63N 0181535.73E	581 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C_0721_3310	POLE	423340.86N 0181532.25E	584 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C_0721_3311	POLE	423342.91 N 0181533.79E	585 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C_0721_3312	POLE	423344.41N 0181523.33E	588 FT / NIL	Yes LIL Type B/red	NIL
LDDU2021_2C_0721_3313	TREE	423312.27N 0181657.47E	567 FT / NIL	No No	NIL
LDDU2025_2C_3769	OTHER:LIGHT	423309.9N 0181705.5E	542 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3770	OTHER:LIGHT	423310.8N 0181703.6E	542 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3773	BUILDING	423303.8N 0181711.3E	562 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3774	BUILDING	423303.8N 0181708.4E	558 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3775	BUILDING	423305.9N 0181708.5E	544 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3776	BUILDING	423306.0N 0181705.7E	556 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3777	BUILDING	423314.4N 0181657.5E	550 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3781	TREE	423238.3N 0181750.0E	593 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3782	TREE	423238.2N 0181752.8E	605 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3783	TREE	423240.3N 0181752.8E	597 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3784	TREE	423240.5N 0181744.4E	600 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3785	TREE	423242.5N 0181744.5E	586 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3786	TREE	423242.5N 0181747.3E	588 FT / NIL	No No	CLOSE IN OBSTACLE

Area 2C					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2025_2C_3787	TREE	423244.6N 0181747.4E	588 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3788	TREE	423244.6N 0181744.5E	588 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3789	TREE	423242.6N 0181741.7E	589 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3790	TREE	423242.6N 0181738.9E	581 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3791	TREE	423244.7N 0181738.9E	605 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3792	TREE	423244.7N 0181736.1E	611 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3793	TREE	423244.6N 0181741.7E	597 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3794	TREE	423246.7N 0181744.6E	590 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3795	TREE	423246.7N 0181741.8E	610 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3796	TREE	423246.8N 0181739.0E	620 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3797	TREE	423248.7N 0181744.7E	585 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3798	TREE	423248.8N 0181741.9E	599 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3801	TREE	423248.9N 0181736.3E	629 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3802	TREE	423246.8N 0181736.2E	622 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3803	TREE	423246.9N 0181733.2E	607 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3804	TREE	423248.9N 0181733.3E	614 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3805	TREE	423250.9N 0181739.1E	584 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3806	TREE	423251.0N 0181736.3E	605 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3807	TREE	423253.0N 0181736.4E	579 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3808	TREE	423251.0N 0181733.3E	610 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3809	TREE	423249.0N 0181730.5E	627 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3810	TREE	423251.0N 0181730.5E	609 FT / NIL	No No	CLOSE IN OBSTACLE

Area 2C					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2025_2C_3811	TREE	423253.1N 0181733.4E	594 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3812	TREE	423253.1N 0181730.6E	603 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3813	TREE	423251.1N 0181727.7E	627 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3814	TREE	423253.2N 0181727.8E	619 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3815	TREE	423255.2N 0181730.6E	570 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3817	TREE	423255.2N 0181727.8E	583 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3818	TREE	423253.2N 0181725.0E	621 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3819	TREE	423257.3N 0181727.9E	557 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3820	TREE	423255.3N 0181725.0E	598 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3821	TREE	423255.3N 0181722.2E	611 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3822	TREE	423257.4N 0181725.1E	566 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3823	TREE	423257.4N 0181722.3E	580 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3824	TREE	423257.4N 0181719.5E	582 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3825	TREE	423259.5N 0181722.4E	548 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3826	TREE	423259.5N 0181719.5E	550 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3827	TREE	423259.6N 0181716.7E	557 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3828	TREE	423301.6N 0181719.6E	543 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3830	TREE	423301.6N 0181716.8E	539 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3831	TREE	423301.7N 0181714.0E	543 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3832	TREE	423303.7N 0181714.1E	539 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3833	TREE	423305.8N 0181714.1E	535 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3834	TREE	423305.9N 0181711.3E	542 FT / NIL	No No	CLOSE IN OBSTACLE

Area 2C					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2025_2C_3835	TREE	423308.0N 0181708.6E	523 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3836	TREE	423310.1N 0181705.8E	542 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3837	TREE	423308.0N 0181705.8E	546 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3838	TREE	423308.1N 0181703.0E	530 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3839	TREE	423310.1N 0181703.0E	533 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3840	TREE	423310.2N 0181700.2E	555 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3841	TREE	423312.3N 0181700.3E	548 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3842	TREE	423312.3N 0181657.5E	566 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3843	TREE	423314.4N 0181654.7E	551 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3844	TREE	423227.7N 0181806.5E	621 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3845	TREE	423227.7N 0181803.7E	619 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3846	TREE	423231.9N 0181801.0E	613 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3847	TREE	423426.7N 0181433.4E	580 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3848	TREE	423428.8N 0181433.5E	579 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3849	TREE	423428.7N 0181436.3E	589 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3850	TREE	423426.6N 0181436.3E	592 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3851	TREE	423424.6N 0181436.2E	572 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3852	TREE	423424.5N 0181439.0E	588 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3853	TREE	423426.6N 0181439.1E	588 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3854	TREE	423428.7N 0181439.1E	577 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3855	TREE	423428.6N 0181441.9E	566 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3856	TREE	423426.6N 0181441.9E	586 FT / NIL	No No	CLOSE IN OBSTACLE

Area 2C					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2025_2C_3857	TREE	423424.5N 0181441.8E	592 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3858	TREE	423422.4N 0181441.7E	571 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3859	TREE	423426.5N 0181444.7E	595 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3860	TREE	423424.4N 0181444.6E	600 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3861	TREE	423426.5N 0181447.6E	590 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3862	TREE	423426.4N 0181450.5E	595 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3863	TREE	423426.4N 0181453.3E	598 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3864	TREE	423424.4N 0181447.6E	611 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3865	TREE	423424.3N 0181450.4E	622 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3866	TREE	423422.4N 0181444.6E	591 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3867	TREE	423422.3N 0181447.5E	606 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3868	TREE	423420.2N 0181447.5E	554 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3869	TREE	423422.3N 0181450.3E	617 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3870	TREE	423424.3N 0181453.2E	626 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3871	TREE	423424.3N 0181456.0E	613 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3872	TREE	423422.2N 0181453.1E	619 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3873	TREE	423420.2N 0181450.3E	571 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3874	TREE	423420.2N 0181453.1E	569 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3875	TREE	423420.1N 0181455.9E	554 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3876	TREE	423418.0N 0181458.6E	538 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3877	OTHER:TERR AIN	423422.2N 0181456.0E	611 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3878	OTHER:TERR AIN	423422.1N 0181458.8E	569 FT / NIL	No No	CLOSE IN OBSTACLE

Area 2C					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2025_2C_3879	OTHER:TERR AIN	423420.1N 0181458.7E	546 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3880	OTHER:TERR AIN	423418.1N 0181453.0E	537 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3881	OTHER:TERR AIN	423418.0N 0181455.8E	542 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3882	OTHER:TERR AIN	423416.0N 0181455.8E	535 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3883	TREE	423412.3N 0181421.8E	566 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3884	TREE	423410.3N 0181421.8E	584 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3885	TREE	423410.2N 0181424.6E	612 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3886	TREE	423412.3N 0181424.6E	595 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3892	TREE	423410.2N 0181427.4E	605 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3893	TREE	423410.1N 0181430.2E	590 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3894	TREE	423408.1N 0181430.1E	610 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3895	TREE	423408.0N 0181432.9E	638 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3896	TREE	423410.1N 0181433.0E	607 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3900	TREE	423408.0N 0181435.7E	628 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3904	TREE	423407.9N 0181438.5E	596 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3906	TREE	423407.9N 0181441.3E	560 FT / NIL	No No	CLOSE IN OBSTACLE
LDDU2025_2C_3907	TREE	423405.8N 0181444.1E	559 FT / NIL	No No	CLOSE IN OBSTACLE

Obstacles in Area 3:

Area 3					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2021_3_0721_3622	URBAN	423404.68N 0181447.57E	513 FT / NIL	No No	NIL

Area 3					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2021_3_0721_3623	SIGN	423405.74N 0181449.93E	515 FT / NIL	No No	NIL
LDDU2021_3_0721_3624	SIGN	423405.78N 0181449.94E	514 FT / NIL	No No	NIL
LDDU2021_3_0721_3625	POLE	423343.66N 0181519.51E	539 FT / NIL	No No	NIL
LDDU2021_3_0721_3626	BUILDING	423343.74N 0181519.73E	527 FT / NIL	No No	NIL
LDDU2021_3_0721_3627	BUILDING	423343.58N 0181519.77E	541 FT / NIL	No No	NIL
LDDU2021_3_0721_3628	BUILDING	423343.63N 0181519.99E	535 FT / NIL	No No	NIL
LDDU2021_3_0721_3629	BUILDING	423343.40N 0181520.01E	539 FT / NIL	No No	NIL
LDDU2021_3_0721_3630	SIGN	423355.72N 0181520.67E	523 FT / NIL	No No	NIL
LDDU2021_3_0721_3631	POLE	423342.36N 0181520.48E	552 FT / NIL	No No	NIL
LDDU2021_3_0721_3632	BUILDING	423344.66N 0181520.55E	543 FT / NIL	No No	NIL
LDDU2021_3_0721_3633	POLE	423343.87N 0181520.55E	552 FT / NIL	No No	NIL
LDDU2021_3_0721_3634	SIGN	423353.65N 0181521.26E	523 FT / NIL	No No	NIL
LDDU2021_3_0721_3635	FENCE	423341.94N 0181521.08E	546 FT / NIL	No No	NIL
LDDU2021_3_0721_3636	BUILDING	423343.45N 0181521.20E	529 FT / NIL	No No	NIL
LDDU2021_3_0721_3637	FENCE	423343.04N 0181521.21E	528 FT / NIL	No No	NIL
LDDU2021_3_0721_3638	SIGN	423356.03N 0181521.59E	524 FT / NIL	No No	NIL
LDDU2021_3_0721_3639	SIGN	423354.07N 0181521.80E	524 FT / NIL	No No	NIL
LDDU2021_3_0721_3640	SIGN	423354.08N 0181521.91E	524 FT / NIL	No No	NIL
LDDU2021_3_0721_3641	POLE	423345.19N 0181521.83E	553 FT / NIL	No No	NIL
LDDU2021_3_0721_3642	POLE	423345.87N 0181522.27E	552 FT / NIL	No No	NIL
LDDU2021_3_0721_3643	FENCE	423348.49N 0181522.39E	521 FT / NIL	No No	NIL
LDDU2021_3_0721_3644	TANK	423348.28N 0181522.60E	523 FT / NIL	No No	NIL

Area 3					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2021_3_0721_3645	FENCE	423344.90N 0181522.56E	528 FT / NIL	No No	NIL
LDDU2021_3_0721_3646	POLE	423348.47N 0181522.75E	523 FT / NIL	No No	NIL
LDDU2021_3_0721_3647	POLE	423348.67N 0181523.61E	551 FT / NIL	No No	NIL
LDDU2021_3_0721_3648	POLE	423348.27N 0181524.68E	550 FT / NIL	No No	NIL
LDDU2021_3_0721_3649	SIGN	423350.66N 0181526.24E	520 FT / NIL	No No	NIL
LDDU2021_3_0721_3650	FENCE	423340.34N 0181533.52E	523 FT / NIL	No No	NIL
LDDU2021_3_0721_3651	BUILDING	423341.47N 0181534.50E	530 FT / NIL	No No	NIL
LDDU2021_3_0721_3652	TREE	423340.92N 0181535.84E	538 FT / NIL	No No	NIL
LDDU2021_3_0721_3653	TREE	423340.83N 0181536.10E	532 FT / NIL	No No	NIL
LDDU2021_3_0721_3654	TREE	423340.75N 0181536.29E	527 FT / NIL	No No	NIL
LDDU2021_3_0721_3655	TREE	423340.66N 0181536.51E	541 FT / NIL	No No	NIL
LDDU2021_3_0721_3656	TREE	423341.04N 0181536.75E	536 FT / NIL	No No	NIL
LDDU2021_3_0721_3657	SIGN	423345.76N 0181538.66E	514 FT / NIL	No No	NIL
LDDU2021_3_0721_3658	SIGN	423345.69N 0181538.83E	514 FT / NIL	No No	NIL
LDDU2021_3_0721_3659	BUILDING	423340.19N 0181540.09E	534 FT / NIL	No No	NIL
LDDU2021_3_0721_3660	SIGN	423347.40N 0181541.41E	525 FT / NIL	No No	NIL
LDDU2021_3_0721_3661	SIGN	423347.45N 0181541.48E	526 FT / NIL	No No	NIL
LDDU2021_3_0721_3662	BUILDING	423339.69N 0181542.11E	546 FT / NIL	No No	NIL
LDDU2021_3_0721_3663	BUILDING	423339.65N 0181542.19E	551 FT / NIL	No No	NIL
LDDU2021_3_0721_3664	SIGN	423345.13N 0181542.59E	520 FT / NIL	No No	NIL
LDDU2021_3_0721_3665	BUILDING	423338.82N 0181543.78E	546 FT / NIL	No No	NIL
LDDU2021_3_0721_3666	BUILDING	423339.01N 0181544.05E	552 FT / NIL	No No	NIL

Area 3					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2021_3_0721_3667	BUILDING	423337.87N 0181544.11E	572 FT / NIL	No No	NIL
LDDU2021_3_0721_3668	SIGN	423346.00N 0181545.33E	525 FT / NIL	No No	NIL
LDDU2021_3_0721_3669	SIGN	423345.91N 0181545.35E	525 FT / NIL	No No	NIL
LDDU2021_3_0721_3670	BUILDING	423338.43N 0181545.35E	532 FT / NIL	No No	NIL
LDDU2021_3_0721_3671	BUILDING	423338.18N 0181545.66E	546 FT / NIL	No No	NIL
LDDU2021_3_0721_3672	BUILDING	423338.29N 0181545.87E	553 FT / NIL	No No	NIL
LDDU2021_3_0721_3673	BUILDING	423337.67N 0181547.12E	530 FT / NIL	No No	NIL
LDDU2021_3_0721_3674	BUILDING	423337.43N 0181547.40E	546 FT / NIL	No No	NIL
LDDU2021_3_0721_3675	BUILDING	423337.66N 0181547.67E	569 FT / NIL	No No	NIL
LDDU2021_3_0721_3676	BUILDING	423337.36N 0181548.09E	526 FT / NIL	No No	NIL
LDDU2021_3_0721_3677	TOWER	423336.74N 0181548.10E	530 FT / NIL	No No	NIL
LDDU2021_3_0721_3678	BUILDING	423336.83N 0181548.25E	522 FT / NIL	No No	NIL
LDDU2021_3_0721_3679	BUILDING	423337.23N 0181548.28E	525 FT / NIL	No No	NIL
LDDU2021_3_0721_3680	BUILDING	423337.19N 0181548.37E	525 FT / NIL	No No	NIL
LDDU2021_3_0721_3681	TREE	423336.39N 0181548.84E	525 FT / NIL	No No	NIL
LDDU2021_3_0721_3682	BUILDING	423336.44N 0181548.96E	520 FT / NIL	No No	NIL
LDDU2021_3_0721_3683	BUILDING	423336.45N 0181549.07E	525 FT / NIL	No No	NIL
LDDU2021_3_0721_3684	BUILDING	423336.39N 0181549.25E	522 FT / NIL	No No	NIL
LDDU2021_3_0721_3685	BUILDING	423336.36N 0181549.41E	527 FT / NIL	No No	NIL
LDDU2021_3_0721_3686	SIGN	423341.44N 0181549.60E	517 FT / NIL	No No	NIL
LDDU2021_3_0721_3687	TREE	423336.28N 0181549.49E	523 FT / NIL	No No	NIL
LDDU2021_3_0721_3688	TREE	423336.20N 0181549.71E	523 FT / NIL	No No	NIL

Area 3					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2021_3_0721_3689	BUILDING	423335.67N 0181550.45E	524 FT / NIL	No No	NIL
LDDU2021_3_0721_3690	BUILDING	423334.77N 0181551.89E	547 FT / NIL	No No	NIL
LDDU2021_3_0721_3691	BUILDING	423335.07N 0181552.23E	520 FT / NIL	No No	NIL
LDDU2021_3_0721_3692	TREE	423334.89N 0181552.96E	541 FT / NIL	No No	NIL
LDDU2021_3_0721_3693	TREE	423335.09N 0181553.07E	519 FT / NIL	No No	NIL
LDDU2021_3_0721_3694	TREE	423334.83N 0181553.76E	522 FT / NIL	No No	NIL
LDDU2021_3_0721_3695	TREE	423334.33N 0181554.27E	552 FT / NIL	No No	NIL
LDDU2021_3_0721_3696	SIGN	423341.73N 0181555.81E	523 FT / NIL	No No	NIL
LDDU2021_3_0721_3697	BUILDING	423332.95N 0181555.72E	541 FT / NIL	No No	NIL
LDDU2021_3_0721_3698	SIGN	423342.13N 0181556.52E	525 FT / NIL	No No	NIL
LDDU2021_3_0721_3699	SIGN	423339.93N 0181557.05E	522 FT / NIL	No No	NIL
LDDU2021_3_0721_3700	SIGN	423339.97N 0181557.15E	521 FT / NIL	No No	NIL
LDDU2021_3_0721_3701	FENCE	423332.40N 0181559.14E	525 FT / NIL	No No	NIL
LDDU2021_3_0721_3702	SIGN	423336.54N 0181601.78E	518 FT / NIL	No No	NIL
LDDU2021_3_0721_3703	SIGN	423340.91N 0181602.53E	527 FT / NIL	No No	NIL
LDDU2021_3_0721_3704	BUILDING	423331.12N 0181602.57E	535 FT / NIL	No No	NIL
LDDU2021_3_0721_3705	BUILDING	423330.49N 0181602.69E	526 FT / NIL	No No	NIL
LDDU2021_3_0721_3706	BUILDING	423329.89N 0181604.85E	534 FT / NIL	No No	NIL
LDDU2021_3_0721_3707	SIGN	423334.94N 0181605.89E	517 FT / NIL	No No	NIL
LDDU2021_3_0721_3708	POLE	423328.46N 0181607.94E	537 FT / NIL	No No	NIL
LDDU2021_3_0721_3709	BUILDING	423328.54N 0181608.06E	516 FT / NIL	No No	NIL
LDDU2021_3_0721_3710	BUILDING	423327.88N 0181608.79E	534 FT / NIL	No No	NIL

Area 3					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2021_3_0721_3711	SIGN	423331.18N 0181615.24E	511 FT / NIL	No No	NIL
LDDU2021_3_0721_3712	SIGN	423334.61N 0181618.49E	512 FT / NIL	No No	NIL
LDDU2021_3_0721_3713	SIGN	423329.88N 0181618.91E	510 FT / NIL	No No	NIL
LDDU2021_3_0721_3714	SIGN	423327.39N 0181620.28E	510 FT / NIL	No No	NIL
LDDU2021_3_0721_3715	SIGN	423326.95N 0181621.26E	509 FT / NIL	No No	NIL
LDDU2021_3_0721_3716	SIGN	423331.33N 0181622.70E	505 FT / NIL	No No	NIL
LDDU2021_3_0721_3717	SIGN	423329.69N 0181622.74E	505 FT / NIL	No No	NIL
LDDU2021_3_0721_3718	SIGN	423330.01N 0181625.43E	504 FT / NIL	No No	NIL
LDDU2021_3_0721_3719	SIGN	423329.92N 0181625.52E	504 FT / NIL	No No	NIL
LDDU2021_3_0721_3720	SIGN	423328.63N 0181625.64E	505 FT / NIL	No No	NIL
LDDU2021_3_0721_3721	SIGN	423324.54N 0181627.46E	502 FT / NIL	No No	NIL
LDDU2021_3_0721_3722	SIGN	423318.12N 0181654.51E	483 FT / NIL	No No	NIL
LDDU2021_3_0721_3723	SIGN	423318.19N 0181654.58E	483 FT / NIL	No No	NIL
LDDU2021_3_0721_3724	NATURAL HIGHPOINT	423316.60N 0181654.81E	491 FT / NIL	No No	NIL
LDDU2021_3_0721_3725	TREE	423340.18N 0181535.92E	525 FT / NIL	No No	NIL
LDDU2021_3_0721_3726	FENCE	423347.43N 0181524.39E	527 FT / NIL	No No	NIL
LDDU2021_3_0721_3727	POLE	423342.15N 0181519.59E	554 FT / NIL	No No	NIL
LDDU2021_3_0721_3728	POLE	423343.21N 0181521.04E	551 FT / NIL	No No	NIL
LDDU2021_3_0721_3729	POLE	423344.32N 0181521.23E	551 FT / NIL	No No	NIL
LDDU2021_3_0721_3730	POLE	423346.17N 0181523.24E	550 FT / NIL	No No	NIL
LDDU2021_3_0721_3731	POLE	423346.83N 0181523.57E	550 FT / NIL	No No	NIL
LDDU2021_3_0721_3732	POLE	423346.54N 0181522.82E	551 FT / NIL	No No	NIL

Area 3					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2021_3_0721_3733	POLE	423348.06N 0181523.11E	550 FT / NIL	No No	NIL
LDDU2021_3_0721_3734	POLE	423346.72N 0181522.34E	551 FT / NIL	No No	NIL
LDDU2021_3_0721_3735	FENCE	423343.15N 0181519.86E	522 FT / NIL	No No	NIL
LDDU2021_3_0721_3736	POLE	423343.29N 0181518.88E	554 FT / NIL	No No	NIL
LDDU2021_3_0721_3737	POLE	423342.96N 0181520.06E	553 FT / NIL	No No	NIL
LDDU2021_3_0721_3738	POLE	423342.84N 0181518.90E	555 FT / NIL	No No	NIL
LDDU2021_3_0721_3739	POLE	423342.39N 0181519.05E	555 FT / NIL	No No	NIL
LDDU2021_3_0721_3740	POLE	423344.52N 0181522.04E	551 FT / NIL	No No	NIL
LDDU2021_3_0721_3741	POLE	423343.74N 0181521.47E	551 FT / NIL	No No	NIL
LDDU2021_3_0721_3742	TREE	423340.35N 0181535.48E	522 FT / NIL	No No	NIL
LDDU2021_3_0721_3743	TREE	423340.18N 0181535.30E	544 FT / NIL	No No	NIL
LDDU2021_3_0721_3744	POLE	423329.03N 0181608.35E	537 FT / NIL	No No	NIL
LDDU2021_3_0721_3745	SIGN	423346.60N 0181548.23E	530 FT / NIL	No No	NIL
LDDU2021_3_0721_3746	SIGN	423344.10N 0181554.52E	529 FT / NIL	No No	NIL
LDDU2021_3_0721_3747	SIGN	423351.34N 0181536.30E	530 FT / NIL	No No	NIL
LDDU2021_3_0721_3748	SIGN	423354.05N 0181529.50E	530 FT / NIL	No No	NIL
LDDU2021_3_0721_3749	SIGN	423351.17N 0181520.30E	520 FT / NIL	No No	NIL
LDDU2021_3_0721_3750	BUILDING	423347.15N 0181523.90E	521 FT / NIL	No No	NIL
LDDU2021_3_0721_3751	SIGN	423407.58N 0181455.34E	521 FT / NIL	No No	NIL
LDDU2021_3_0721_3752	SIGN	423404.24N 0181452.42E	514 FT / NIL	No No	NIL
LDDU2021_3_0721_3753	SIGN	423358.13N 0181519.14E	529 FT / NIL	No No	NIL
LDDU2021_3_0721_3754	SIGN	423355.43N 0181514.42E	518 FT / NIL	No No	NIL

Area 3					
OBST ID/ Designation	OBST Type	OBST Position	ELEV / HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDDU2021_3_0721_3755	SIGN	423350.06N 0181523.27E	518 FT / NIL	No No	NIL
LDDU2021_3_0721_3756	POLE	423347.18N 0181522.69E	551 FT / NIL	No No	NIL
LDDU2021_3_0721_3757	SIGN	423330.48N 0181628.92E	498 FT / NIL	No No	NIL
LDDU2021_3_0721_3758	SIGN	423325.27N 0181630.27E	499 FT / NIL	No No	NIL
LDDU2021_3_0721_3759	SIGN	423324.93N 0181642.41E	487 FT / NIL	No No	NIL
LDDU2021_3_0721_3760	SIGN	423324.67N 0181642.22E	487 FT / NIL	No No	NIL
LDDU2021_3_0721_3761	SIGN	423324.41N 0181642.03E	487 FT / NIL	No No	NIL
LDDU2021_3_0721_3762	SIGN	423324.15N 0181641.83E	487 FT / NIL	No No	NIL
LDDU2021_3_0721_3763	SIGN	423323.47N 0181646.50E	487 FT / NIL	No No	NIL
LDDU2021_3_0721_3764	SIGN	423318.94N 0181652.41E	481 FT / NIL	No No	NIL
LDDU2021_3_0721_3765	SIGN	423316.67N 0181647.39E	482 FT / NIL	No No	NIL
LDDU2021_3_0721_3766	POLE	423348.59N 0181522.76E	545 FT / NIL	No No	NIL
LDDU2021_3_0721_3767	POLE	423348.76N 0181522.62E	550 FT / NIL	No No	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	MWO ZAGREB TAF (24HR)
4	Trend Forecast Interval of issuance	TREND 30 MIN
5	Briefing/consultation provided	URL: https://ib.crocontrol.hr or by TEL: +385 1 6259 224, +385 1 7819 201
6	Flight documentation Language(s) used	- URL: https://ib.crocontrol.hr or if URL unavailable by TEL: +385 20 447 766, +385 20 737 704 - Croatian, English

7	Charts and other information available for briefing or consultation	• ICE, TURB and CB forecasts • Lightning data • Satellite images • Radar images
8	Supplementary equipment available for providing information	URL: https://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

RWY Designations	TRUE BRG	Dimensions of RWY (M)	Strength (PCN) and surface of RWY and SWY	THR COORD RWY End COORD THR Geoid Undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
11	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

RWY Designations	Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	RESA dimensions (M)
1	7	8	9	10	11
11	Slope of RWY 11: 0.5% (0 M - 510 M) 0% (510 M - 1840 M) -1.1% (1840 M - 2860 M) -0.2% (2860 M - 3230 M)	NIL	NIL	3350 X 280	Undershoot RESA: Length: 171 M Width: 90 M Overrun RESA: Length: 240 M Width: 90 M
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		Undershoot RESA: Length: 240 M Width: 90 M Overrun RESA: Length: 90 M Width: 90 M

RWY Designations	Location and description of arresting system	OFZ	Remarks
1	12	13	14
11	NIL	NIL	NIL
29	NIL	NIL	NIL

LDDU AD 2.13 DECLARED DISTANCES

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

LDDU AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type / LEN / INTST	THR LGT colour / WBAR	VASIS type (MEHT)	TDZ LGT LEN	RWY Centre Line LGT LEN / spacing / colour / INTST	RWY edge LGT LEN / spacing / colour / INTST	RWY End LGT Colour / WBAR	SWY LGT LEN (M) / Colour	Remarks
1	2	3	4	5	6	7	8	9	10
11	CAT I (A) 900 M W VRB LIH	G VRB LIH	PAPI LEFT 3° 56 FT	Nil	3149M 30M W VRB LIH	3149M 60M W VRB LIH YCZ 600 M	R VRB LIH	Nil	LED lights: APCH, RTHL, CL, REDL and RENL.
29	SALS (E) 420 M R VRB LIL	G VRB LIH	PAPI LEFT 3.2° 59 FT	Nil	3230M 30M W VRB LIH	3230M 60M W VRB LIH YCZ 600 M	R VRB LIH	Nil	2 white Lead-In lights at location Radovcici (423031.44N 0182007.05E) and Gruda (423226.90N 0181915.43E) and white flashing Runway Threshold Identification Lights (RTIL) as part of the approach lights. LED lights: RTIL as part of the APCH lights, RTHL, CL, REDL and RENL.

LDDU AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

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

LDDU AD 2.16 HELICOPTER LANDING AREA

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

LDDU AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	CTR Dubrovnik 424230N 0180249E 423619N 0181441E along the FIR boundary Zagreb/Sarajevo 423612N 0181514E 423246N 0182545E 422447N 0182554E 423441N 0175738E 424230N 0180249E
2	Vertical limits	4000 FT ALT / GND
3	Airspace classification	D
4	ATS unit call sign Language(s)	DUBROVNIK TORANJ / DUBROVNIK TOWER Croatian, English
5	Transition altitude	10000 FT MSL
6	Remarks	NIL

LDDU AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
APP	DUBROVNIK RADAR	123.600 MHZ	H24	Primary FREQ
	DUBROVNIK RADAR	134.725 MHZ	H24	ALTN FREQ
	DUBROVNIK RADAR	121.500 MHZ	H24	EMERG FREQ
TWR	DUBROVNIK TORANJ / DUBROVNIK TOWER	129.500 MHZ	H24	Primary FREQ If no contact on TWR frequency, contact Dubrovnik Radar.
		125.400 MHZ	H24	ALTN FREQ
DELIVERY	DUBROVNIK DELIVERY	125.400 MHZ	TUE, THU, SAT, SUN 0700-1500 during summer period only	For additional hours of operation, monitor ATIS. If no contact on Dubrovnik Delivery FREQ, contact Dubrovnik TWR on 129.500 MHZ.
ATIS	DUBROVNIK ATIS	118.425 MHZ	H24	

LDDU AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid CAT of ILS/MLS (VOR/ILS/MLS VAR)	ID	Frequency	Hours of operation	Site of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
VOR/DME (4°E/2019)	DBK	115.4 MHZ CH101X	H24	423403.53N 0181522.00E	556 FT	MRA at 40NM: QDR 169°- 300° 4000FT Coverage 80 NM - unusable between QDR 057°-073°
VOR/DME (4°E/2019)	SPL	115.7 MHZ CH104X	H24	432947.69N 0161817.00E	734 FT	Range 100 NM
DME 11	IDU	110.1 MHZ CH38X	H24	423408.19N 0181507.96E	571 FT	Collocated with GP11, Orbit flight DME 25 NM MRA: 140° - 310° 4000 FT 310° - 140° 6000 FT
NDB	KLP	318 KHZ	H24	424009.42N 0180115.07E		297°MAG/11.73 NM from THR 11. Range 50 NM
LOC 11	IDU	110.1 MHZ	H24	423316.63N 0181706.77E		ILS CAT I Not usable to 17 NM outside 22° left (North) of centre line.
GP 11		334.4 MHZ	H24	423408.19N 0181507.94E		3.0°, RDH 50 FT
MM11	Dots- Dashes	75 MHZ	H24	423427.81N 0181408.83E		

LDDU AD 2.20 LOCAL AERODROME REGULATIONS

TWR directions, follow me guidance and marshaller instructions shall be followed for entering to / exiting from any of aircraft and/or helicopters positions.

MAX wingspan for TXL (taxilane) H is 31 M and MAX wingspan for TXL J is 52 M.

RWY 29 THR turn pad is forbidden to use for ACFT with wheelbase greater than 22,8m.

During Code letter F ACFT ground movement, outer engines shall be used on idle power only.

When ACFT with wingspan greater than 47.8 M is taxiing on APRON TXL between PSNs 8-16, special conditions can be expected.

During code letter E ACFT taxiing between TWY G and TWY W, slow taxi speed is required.

For ACFT engine testing, PSNs 1-21 can be used, with mandatory TWR prior approval.

When entering the APRON, it is mandatory to stop at HOLD FOR FOLLOW ME position and wait for the follow me vehicle and guidance.

Use of TWY B by ACFT code letter E only if approved by ATC and strictly guided by follow me vehicle.

During taxi on TWY B by code letter E ACFT with 4 engines, outer engines shall be used on idle power only.

AVDGS (*Advanced Visual Docking Guidance System*) type APIS shall be followed for final entering to PSNs: 10, 10A, 11, 12, 14 and 14A. In case of APIS failure, strictly follow marshaller instructions.

ACFT engine start-up is forbidden at PSNs: 22, 23, 24, 25, 26 and 27. Start-up will be approved after push-out to HP (holding position) J.

ATC DEP clearance is available on Dubrovnik TWR FREQ 15 MIN before start-up.

Pilots shall state their parking position number on initial contact with ATC.

For taxi-out, ACFT shall request start-up clearance after communication with ground crew has been established.

In case of self-maneuvring from nose-in parking positions (1-9, 15-21), usage of both engines is strongly recommended.

In case that one engine is used, special caution is advised in respect of the need that engine on the opposite side from turning direction should be used.

For push-back:

- ACFT shall request push-back and start-up clearance after communication with the ground crew has been established, push-back vehicle has been attached and aircraft is ready to commence push-back,
- push-back clearance issued by ATC shall contain RWY in use,
- RWY in use shall be relayed to the ground crew by flight deck.

Push-back clearance issued by ATC shall contain runway in use.

Runway in use shall be relayed to the ground crew by the flight deck.

WARNING: Gusts, wind shear and turbulence can be expected on final approaches and on RWY 11/29 in conditions of strong north-easterly winds.

Preferential configuration/RWY in use is RWY11.

LDDU AD 2.21 NOISE ABATEMENT PROCEDURES

NOISE ABATEMENT DEPARTURE PROCEDURE RWY 29

Aircraft operators shall follow aircraft manufacturer's noise abatement recommended procedures up to FL 100, or the procedure below:

- Take-off to 1350 FT QNH

- Climb at $V_2 + 10$ KT
- On reaching altitude of 1350 FT QNH, adjust and maintain engine power/thrust in accordance with the noise abatement power/thrust schedule provided in the aircraft operating manual
- Maintain climb speed of $V_2 + 10$ -20 KT with flaps and slats in the take off configuration
- At 3500 FT QNH maintain positive rate of climb, accelerate and retract flaps/slats on schedule

LDDU AD 2.22 FLIGHT PROCEDURES

LDDU AD 2.22.1 DEPARTING TRAFFIC

Transfer to Dubrovnik Radar

Pilots of departing aircraft shall remain on TWR frequency until passing 3000 FT AMSL, unless otherwise instructed by ATC.

In case of non-standard departure clearance and/or visual departure, pilots are expected to follow instruction “After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ.”

SID RWY 11 (Preferential RWY)

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

SID RWY 29

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

LDDU AD 2.22.2 STAR RWY 11

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

LDDU AD 2.22.3 MISSED APPROACH PROCEDURE

Inform ATC immediately.

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

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

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

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

LDDU AD 2.23 ADDITIONAL INFORMATION

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

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

LDDU AD 2.24 CHARTS RELATED TO AN AERODROME

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

LDDU AD 2.25 VISUAL SEGMENT SURFACE (VSS) PENETRATION

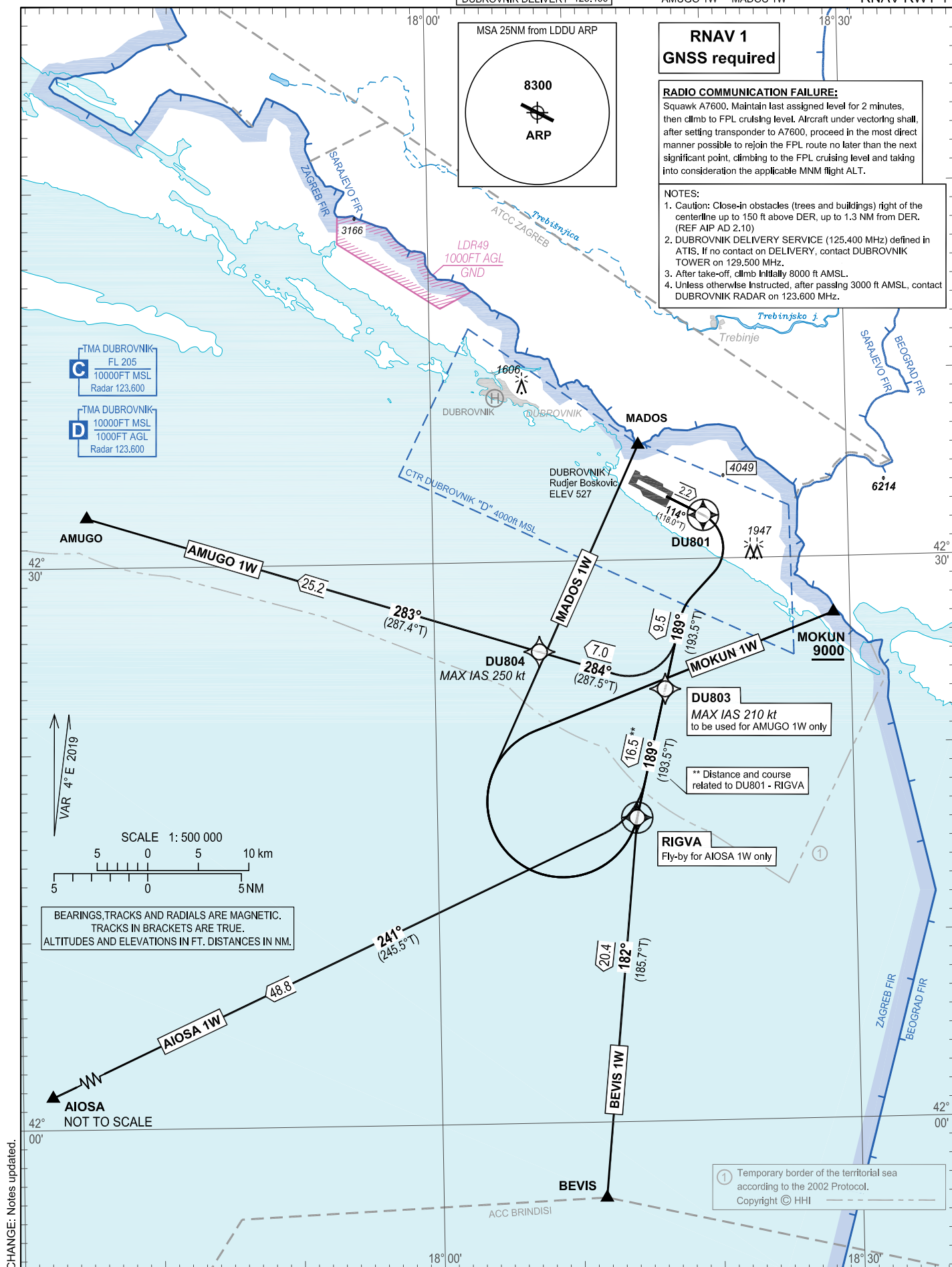
Instrument flight procedure	Minima	ACFT CAT
VOR RWY 11	Straight-in approach	A/B/C/D
RNP RWY 11	LNAV, LNAV/VNAV	A/B/C/D

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

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

RNAV RWY 11



DUBROVNIK / Rudjer Boskovic (LDDU)

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

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

- MNM PDG 5.0 per cent (304 ft/NM) up to 2300 ft AMSL.

- After take-off climb initially 8000 ft AMSL.

- Unless otherwise instructed, after passing 3000 ft AMSL contact DUBROVNIK RADAR on 123.600 MHz.

LDDU RNAV STANDARD INSTRUMENT DEPARTURE RWY 11

Proposed tabular description for navigation database coding

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

CHANGE: Notes updated.

DUBROVNIK / Rudjer Boskovic (LDDU)

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

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

CHANGE: Notes updated.

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STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

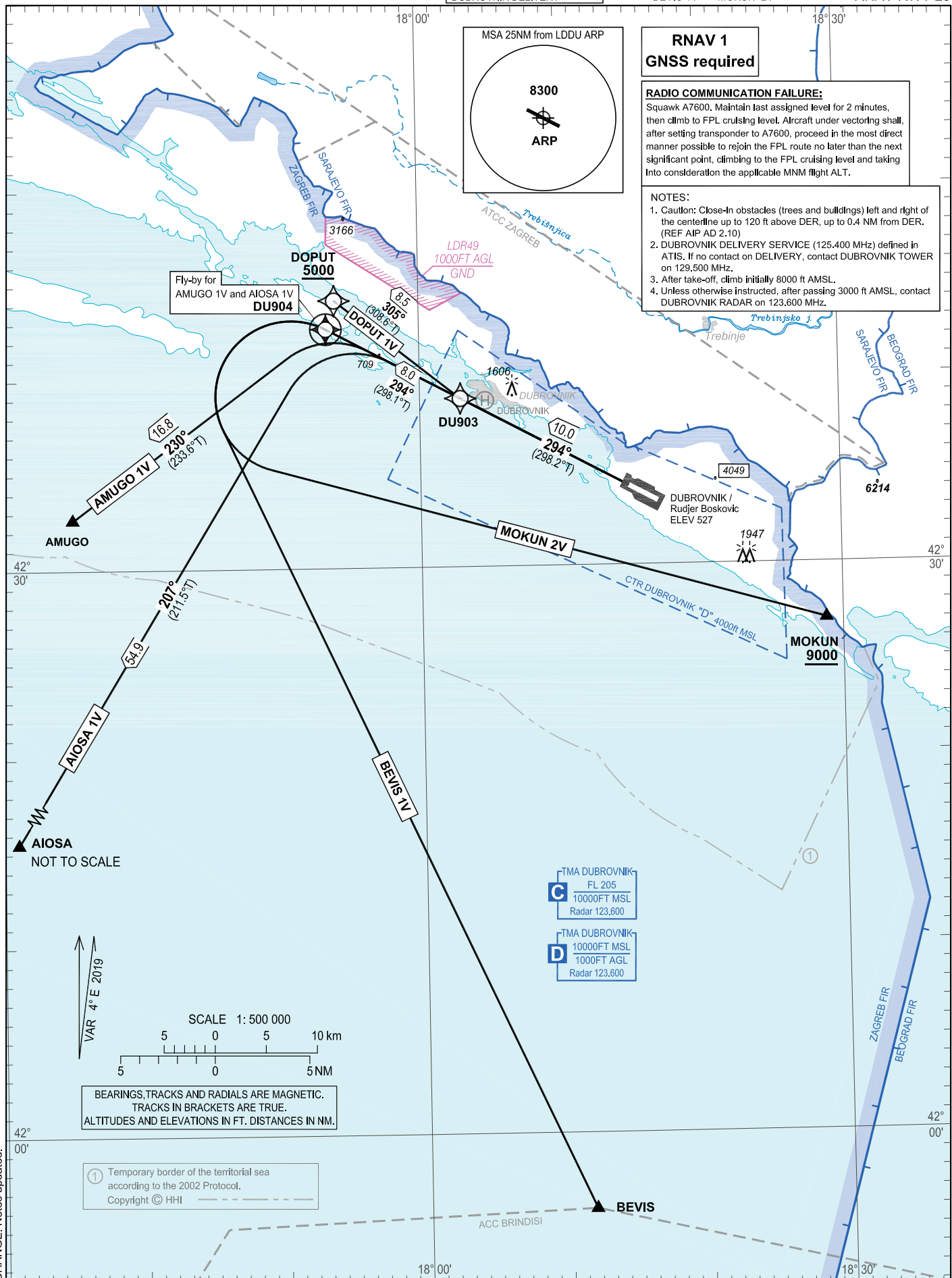
TRANSITION ALTITUDE
10 000

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

DUBROVNIK / Rudjer Boskovic (LDDU)

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

RNAV RWY 29



DUBROVNIK / Rudjer Boskovic (LDDU)

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

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

- After take-off climb initially 8000 ft AMSL.

- Unless otherwise instructed, after passing 3000 ft AMSL contact DUBROVNIK RADAR on 123.600 MHz.

LDDU RNAV STANDARD INSTRUMENT DEPARTURE RWY 29

Proposed tabular description for navigation database coding

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

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

CHANGE: Notes updated.

LDSP AD 2.5 PASSENGER FACILITIES

1	Hotels	Hotels in Split, Trogir and Kastela
2	Restaurants	At AD, in the city
3	Transportation possibilities	Bus, taxi, rent a car at AD
4	Medical facilities	First aid at AD, hospital in the city
5	Bank and Post Office	At AD, open daily 0600-1300 and 1400-2100 LMT
6	Tourist Office	Agent's at AD and in the city
7	Remarks	NIL

LDSP AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 9 See Remarks
2	Rescue equipment	1 Heavy fire fighting vehicle Rosenbauer Panther 6x6 12 500 L / 1 500 L 1 Heavy fire fighting vehicle MAN 6x6 8 500 L / 1 000 L 1 Heavy fire fighting vehicle Mercedes 9 000 L / 1 000 L 1 Heavy fire fighting vehicle Mercedes 8 500 L / 1 000 L 1 Commanding vehicle Toyota Land Cruiser 1 Commanding vehicle Jeep Cherokee 2.8 CRD 1 Zigler trailer with medical equipment 2.5 T
3	Capability for removal of disabled aircraft	1 towbar tractor - SCHOPF up to MTOW 180 000 KG 1 towbarless tractor - LEKTRO up to MTOW 55 000 KG - towbars: DC10, DC9, MD11, L1011, TU134, B747, B767, B757C, B727, B737/3, A310, A300, A320, A319, A220, E195
4	Remarks	CAT 7 during AD HR SER (see AD 2.3) CAT 8 and CAT 9 AVBL upon AD Operator approval only. PPR sent via SITA SPUAPXH or e-mail: ground.ops@split-airport.hr minimum 24 hours prior to arrival.

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

1	Types of clearing equipment	2 tractors with snowplows; Spreader of de-icing agents; Sprinkler of liquid de-icing agent and protection against icing.
2	Clearance priorities	1. Runway 2. Taxiways "A" and "B" 3. Apron 4. other parts of the operating surface and other operational areas
3	Use of material for movement area surface treatment	Urea
4	Specially prepared winter runways	NIL
5	Remarks	Runway surface inspection and report will be according to GRF regulation. REF AD 1.2.2 for additional information.

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

1	Designation, surface and strength of aprons	DESIGNATION		SURFACE	STRENGTH
		APRON SECTION S1		CONC+ASPH	PCN 47/R/A/W/T
		APRON SECTION S2		CONC	PCN 66/R/A/W/T
		APRON SECTION S3		ASPH	PCN 73/F/B/W/T
2	Designation, width, surface and strength of taxiways	DESIGNATION	WIDTH (M)	SURFACE	STRENGTH
		A	20	ASPH	PCN 58/R/A/W/T
		B	18	ASPH	PCN 56/R/A/W/T
3	ACL location and elevation	At Apron 19 M / 62 FT			
4	Location of VOR checkpoints	NIL			
5	Position of INS checkpoints	NIL			
6	Remarks	TWY A shoulders surface: GRASS + ASPH, width: 9 M TWY B shoulders surface: GRASS, width: 3.5 M The distance between RWY center line and Taxilane 1 on apron is 118.8 M.			

LDSP 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 Vehicle "Follow me", Marshaller
2	RWY and TWY markings and LGT	RWY 05/23: Designator, THR, TDZ, Centre line, Edge line, Edge Lights, RWY turn pad markings*, information signs TWY A: center line, extended center line, holding position, RWY ahead marking, RWY guard lights, mandatory instruction signs, information signs. TWY B: center line, extended center line, holding position, RWY ahead marking, RWY guard lights, mandatory instruction signs, information signs.
3	Stop bars	NIL
4	Remarks	*RWY 05 turn pad and RWY 23 turn pad restrictions: for aircraft with wheel base more than 17.30 M, the nose wheel steering angle exceeds 45 DEG. A slow taxi speed is recommended.

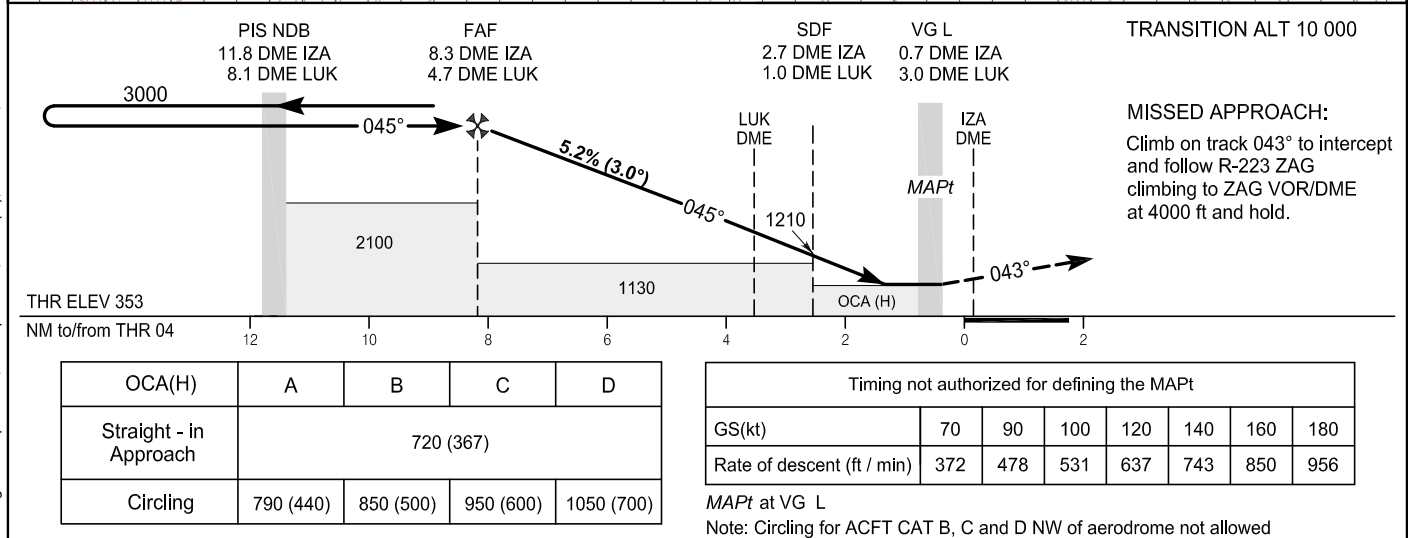
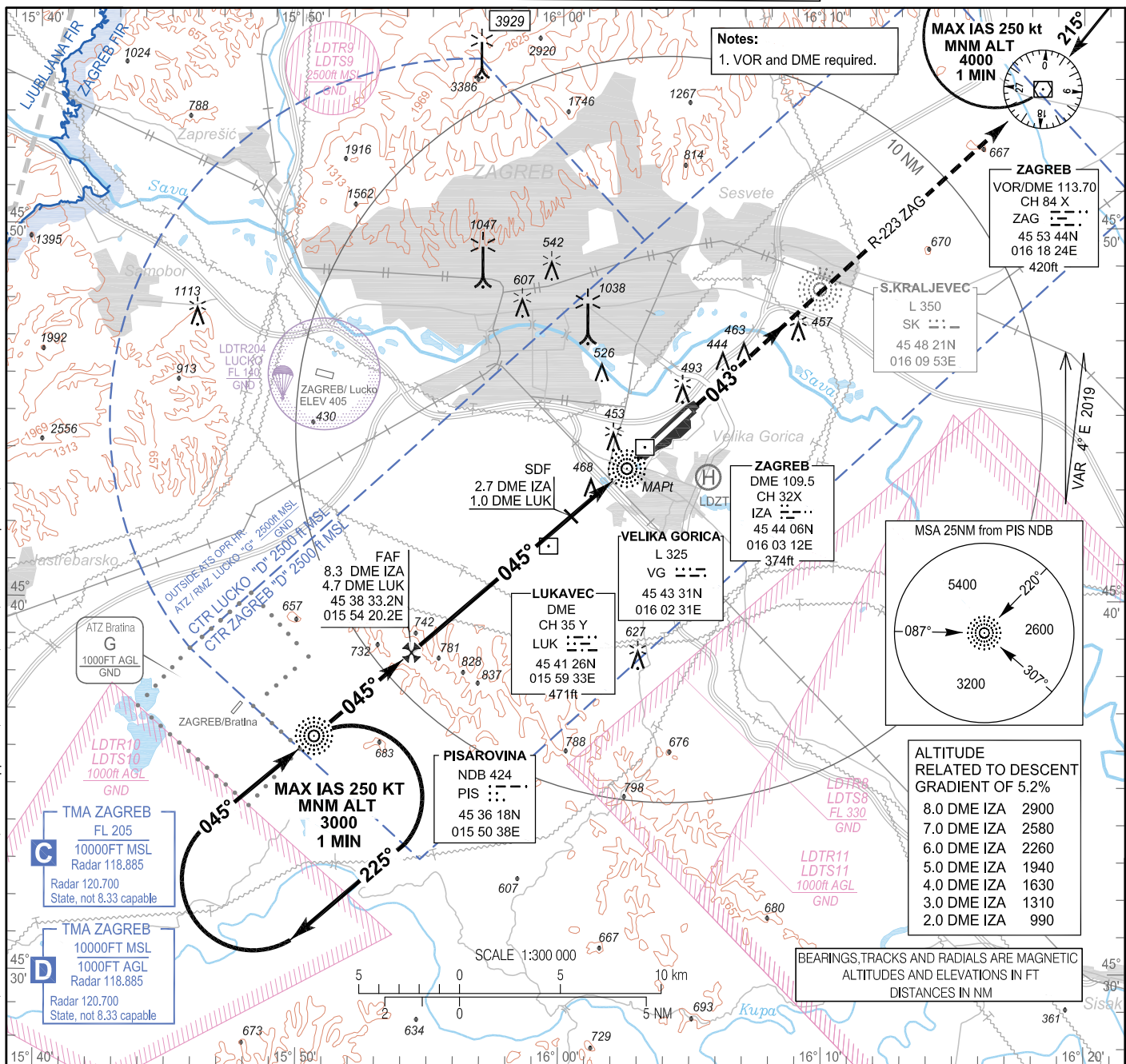
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 353
HEIGHTS RELATED
TO THR 04 ELEV 353

ZAGREB ATIS 124.575
ZAGREB RADAR 118.885
ZAGREB RADAR 120.700 State, not 8.33 capable
ZAGREB TOWER 118.300

ZAGREB / Franjo Tudjman (LDZA)

L RWY 04



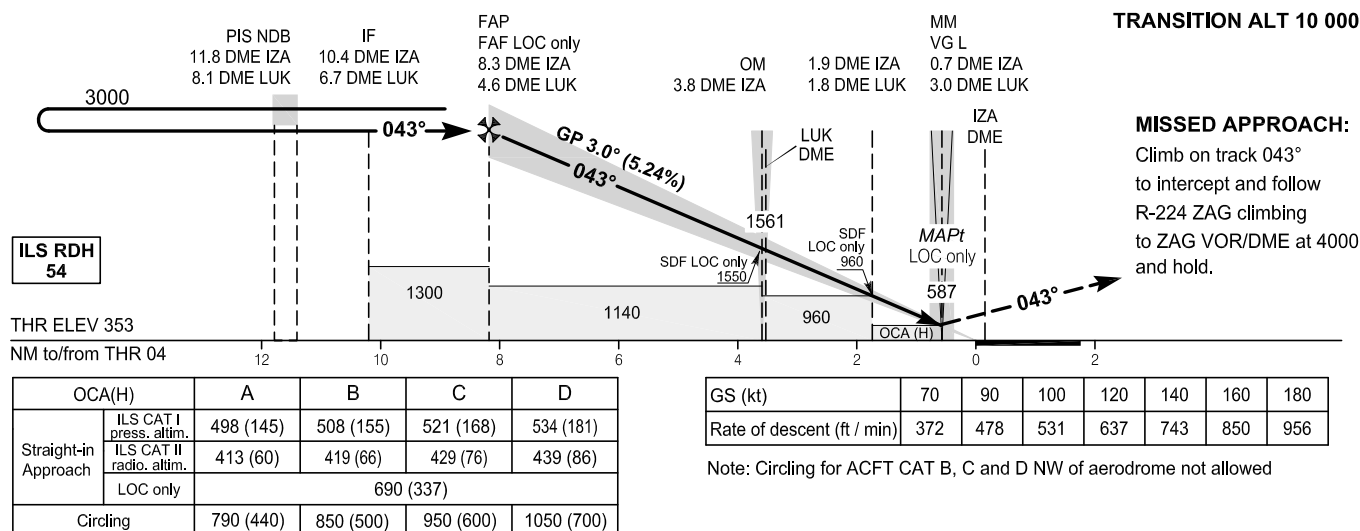
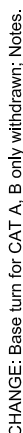
L RWY 04

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
LDZA L RWY 04			
Final approach descent angle:		3.00°	
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (PIS NDB)	45 36 18.10N 015 50 38.39E	-	-
FAF	45 38 33.2N 015 54 20.2E	049.06° (L VG)	8.33 DME IZA 4.65 DME LUK
SDF	45 42 14.1N 016 00 24.0E	049.06° (L VG)	2.71 DME IZA 1.00 DME LUK
MAPt (VG L)	45 43 31.30N 016 02 31.44E	-	-

Change: FAF position; SDF position; OCA(H); ADR table; Altitude to descent table; GS/Rate of descent table ; Missed approach; Profile view; Notes; Obstacles updated; Editorial.

ZAGREB ATIS	124.575	
ZAGREB RADAR	118.885	
ZAGREB RADAR	120.700	State, not 8.33 capable
ZAGREB TOWER	118.300	

ILS y or LOC y RWY 04 CAT I/II/III



ILS y or LOC y RWY 04 CAT I/II/III

AERONAUTICAL DATABASE REQUIREMENTS			
Conventional procedure essential fixes/points			
ILS y or LOC y RWY 04			
LOC only - final approach descent angle:		3.00°	
Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (PIS NDB)	45 36 18.10N 015 50 38.39E	-	-
IAF (for straight-in approach only)	45 27 59.5N 015 43 11.8E	303.94° (OMA VOR)	224.00° (ZAG VOR)
IF	45 36 56.1N 015 52 32.8E	046.78° (IZA LOC)	10.35 DME IZA 6.66 DME LUK
FAF LOC only	45 38 19.2N 015 54 38.5E	046.78° (IZA LOC)	8.33 DME IZA 4.64 DME LUK
SDF LOC only (OM 04)	45 41 26.29N 015 59 24.06E	046.78° (IZA LOC)	3.77 DME IZA
SDF LOC only	45 42 42.7N 016 01 17.7E	046.78° (IZA LOC)	1.93 DME IZA 1.77 DME LUK
MAPt LOC only (MM 04)	45 43 31.45N 016 02 31.71E	046.78° (IZA LOC)	0.74 DME IZA 2.96 DME LUK

INSTRUMENT APPROACH
CHART-ICAO

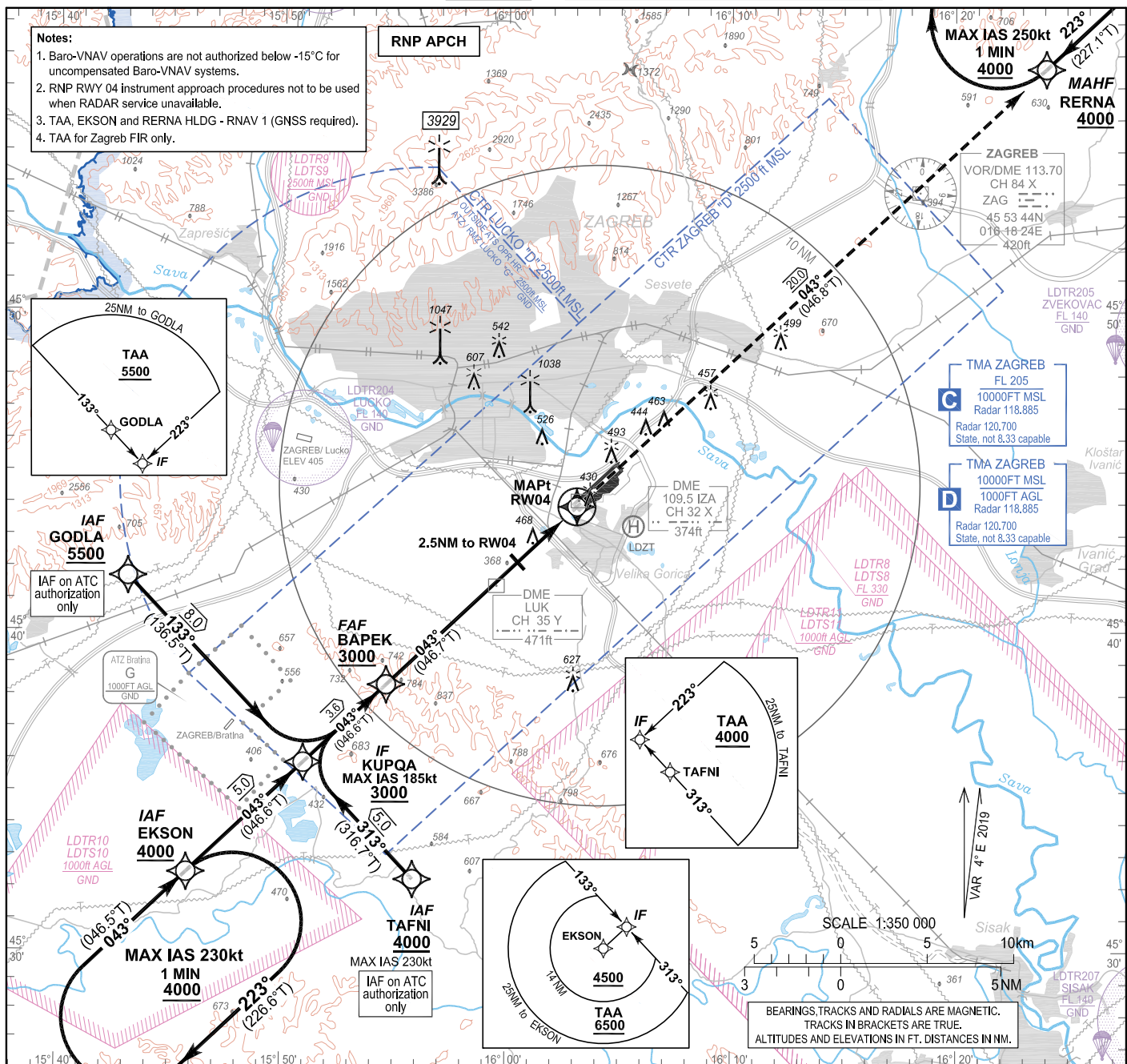
AD ELEV 353
HEIGHTS RELATED
TO THR 04 ELEV 353

SBAS
CH:95327
E04A

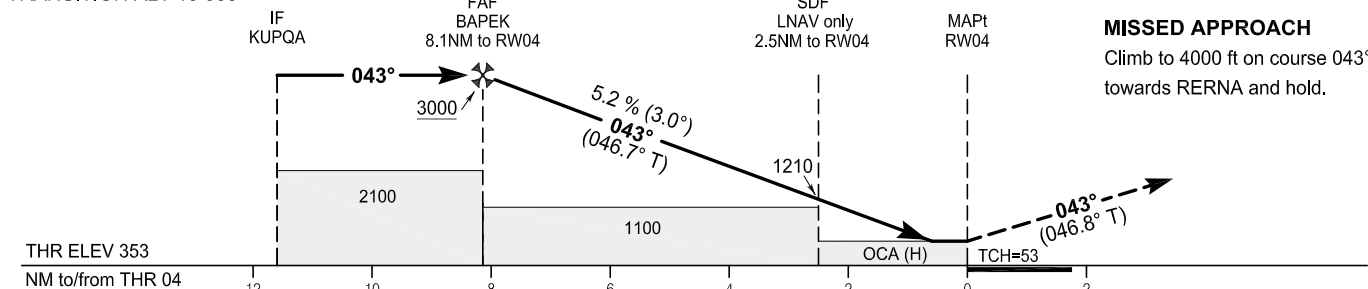
ZAGREB ATIS 124.575
ZAGREB RADAR 118.885
ZAGREB RADAR 120.700 State, not 8.33 capable
ZAGREB TOWER 118.300

ZAGREB / Franjo Tudjman (LDZA)

RNP RWY 04



TRANSITION ALT 10 000



OCA(H)		A	B	C	D
Straight-in approach	LNAV	720 (367)			
	LNAV/VNAV	610 (257)		620 (267)	
	LPV	610 (257)		620 (267)	
CIRCLING		860 (507)	890 (537)	990 (637)	1090 (737)

Note: Circling for ACFT CAT B, C and D NW of aerodrome not allowed

DIST THR / RW04	NM	8	7	6	5	4	3	2	1
Altitude	ft	2950	2640	2320	2000	1680	1360	1040	730
Timing not authorized for defining the MAPt									
GS	kt	80	100	120	140	160	180		
Rate of descent (5.2%)	ft/min	425	531	637	743	849	955		

CHANGE: SDF position; OCA(H); Profile view; Obstacles updated; Notes; Editorial.

Coding elements for FAS Data Block

Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDZA
Runway	04
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E04A
LTP/FTP Latitude	454354.7490N
LTP/FTP Longitude	0160307.0885E
LTP/FTP Ellipsoidal Height (metres)	152.6
FPAP Latitude	454507.2300N
Delta FPAP Latitude (seconds)	72.4810
FPAP Longitude	0160457.3140E
Delta FPAP Longitude (seconds)	110.2255
Threshold Crossing Height	53.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	16
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 01 1A 04 0C 04 00 00 01 34 30 05 FA 40 A0 13 A1 85 E3 06 F6 19 42 36 02 23 5D 03 12 02 2C 01 64 02 C8 FA 44 FF A0 EB
Calculated CRC Value	44FFA0EB

Required Additional Data

ICAO Code	LD
LTP/FTP Orthometric Height (metres)	107.5

CHANGE: SDF position; OCA(H); Profile view; Obstacles updated; Notes; Editorial.

LDZA RNP RWY04													
Proposed tabular description for navigation database coding - APPROACH TRANSITION													
Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	GODLA	-	-	4°E	-	-	+5500	-	-	IAF on ATC authorization only	RNP APCH
020	IF	TF	KUPQA	-	133° (136.5°T)	4°E	8.0	-	+3000	-185	-		
010	IAF	IF	EKSON	-	-	4°E	-	-	+4000	-	-		RNP APCH
020	IF	TF	KUPQA	-	043° (046.6°T)	4°E	5.0	-	+3000	-185	-		
010	IAF	IF	TAFNI	-	-	4°E	-	-	+4000	-230	-	IAF on ATC authorization only	RNP APCH
020	IF	TF	KUPQA	-	313° (316.7°T)	4°E	5.0	-	+3000	-185	-		
Proposed tabular description for navigation database coding - FINAL TRANSITION													
Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	KUPQA	-	-	4°E	-	-	+3000	-185	-	-	RNP APCH
020	FAF	TF	BAPEK	-	043° (046.6°T)	4°E	3.6	-	+3000	-	-	-	
030	MAPt	TF	RW04	Y	043° (046.7°T)	4°E	8.1	-	-	-	3.0 / 53.0	-	
040	MAHF	TF	RERNA	-	043° (046.8°T)	4°E	20.0	-	4000	-	-	-	
050	MAHF	HM	RERNA	-	223° (227.1°T)	4°E	1 MIN	R	4000	-250	-	Holding above 4000ft on ATC clearance only	RNAV 1
RNAV HOLDING tabular description													
Waypoint name	Path Terminator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude ft	Maximum altitude ft	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC			
EKSON	HM	043°	1MIN /	R	4000	-	230	4°E	-	RNAV 1			
		(046.5°T)	-										
RERNA	HM	223°	1MIN /	R	4000	-	250	4°E	-				
		(227.1°T)	-										
Waypoint coordinates													
Waypoint name	WGS-84 Latitude		WGS-84 Longitude										
GODLA	454142.4N		0154308.3E										
EKSON	453227.7N		0154548.4E										
TAFNI	453215.6N		0155551.9E										
KUPQA	453553.8N		0155058.8E										
BAPEK	453820.0N		0155439.7E										
RW04	454354.75N		0160307.09E										
RERNA	455735.6N		0162402.7E										

CHANGE: SDF position; OCA(H); Profile view; Obstacles updated; Notes; Editorial.

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