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AIRAC AIP AMDT 001/2025
Effective Date: 20 FEB 2025
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1. Amendment contents:

GEN

- **GEN 0.1.6** - Service to contact in case of detected AIP errors or omissions - fax number - deleted; phone numbers - updated
- **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 3.1** - Aeronautical information services - phone numbers - updated
- **GEN 3.2.3** - Purchase arrangements - fax number deleted
- **GEN 3.3.6** - Aeronautical information services - Central ARO Split alternative phone number - added
- **GEN 3.4** - Communication services - phone numbers - updated
- **GEN 4.1** - Aerodrome/heliport charges - information regarding Dubrovnik/Rudjer Boskovic airport - updated

ENR

- **ENR 0.6** - Table of contents to Part 2 - updated
- **ENR 1.6.1** - Radar sevices - WAM service information updated and information on areas of reduced surveillance service withdrawn
- **ENR 1.10.6.3** - Flight planning within SECSI FRA area - a reference numeration updated

AD

- **AD 0.6** - Table of contents to Part 3 - updated
- **LDDU AD 2.9, 2.10, 2.11 and 2.20** - Surface movement guidance and control system and markings - changed; Aerodrome obstacles - editorial changes; Meteorological information provided - telephone numbers added; Local aerodrome regulations - annotation regarding RWY 29 THR added
- **LDDU AD 2** - New Chart:
  - Aerodrome Obstacle Chart - ICAO - Type A RWY 11 (LDDU AD 2.24.4 AOC RWY 11 -1/1)
- **LDLO, LDOS, LDPL, LDRI, LDSB, LDSP and LDZA AD 2.10 and 2.11** - Aerodrome obstacles - editorial changes; Meteorological information provided - telephone numbers added
- **LDZA AD 2** - New Chart:
  - Aircraft Parking/Docking Chart - ICAO (LDZA AD 2.24.2 APDC WEST -1/2)
- **LDZD AD 2.10, 2.11 and 2.16** - Aerodrome obstacles - editorial change; Meteorological information provided - telephone numbers added; Helicopter landing area - Remarks changed

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: NIL

SUP: NIL

AIC: NIL

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

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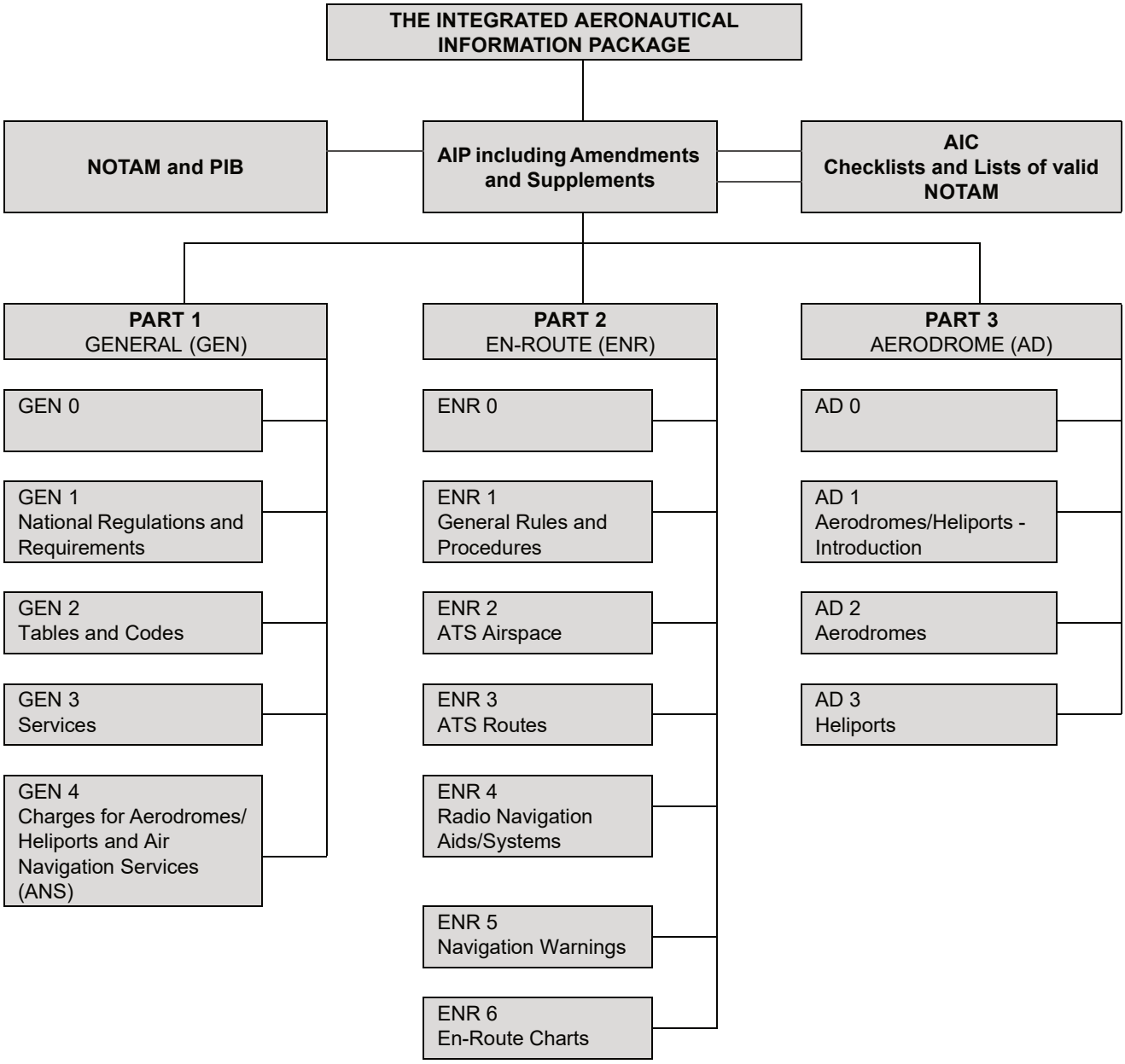
THE INTEGRATED AERONAUTICAL INFORMATION PACKAGE
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AIP including Amendments and Supplements
AIC Checklists and Lists of valid NOTAM
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PART 2 EN-ROUTE (ENR)
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GEN 2 Tables and Codes
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GEN 0.1.5. COPYRIGHT POLICY

GEN 0.1.6. SERVICE TO CONTACT IN CASE OF DETECTED AIP ERRORS OR OMISSIONS

In the compilation of the AIP, care has been taken to ensure that the information contained therein is accurate and complete. Any errors and omissions which may nevertheless be detected, as well as any correspondence concerning the Integrated Aeronautical Information Package, should be referred to:

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AIRAC AIP AMENDMENT			
NR/Year	*Publication date*	*Effective date*	*Inserted by*
013/2024	12 DEC 2024	23 JAN 2025	
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002/2012	13-Apr-2012	13-Apr-2012	
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001/2015	01-Feb-2015	01-Feb-2015	
002/2015	01-Jun-2015	01-Jun-2015	
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LDZD AD 2.24.12 IAC L RWY 31 - 1	16 MAY 2024		
LDZD AD 2.24.12 IAC L RWY 31 - 2	16 MAY 2024		
LDZD AD 2.24.12 IAC VOR RWY 31 - 1	16 MAY 2024		
LDZD AD 2.24.12 IAC VOR RWY 31 - 2	16 MAY 2024		
LDZD AD 2.24.13 VOC - 1	18 APR 2024		
LDZD AD 2.24.13 VOC - 2	18 APR 2024		

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AIP page(s) affected	Amendment text	Introduced by AIP AMDT number:
1	2	3
ENR 6.12 - 1, LDSP AD 2.24.12. IAC NDB RWY 05 -1, LDSP AD 2.24.12 IAC ILSy or LOCy RWY 05 -1, LDSP AD 2.24.12 IAC ILSz or LOCz RWY 05 -1, LDSP AD 2.24.12 IAC RNP Y RWY 05 -1, LDSP AD 2.24.12 IAC RNP Z RWY 05 (LPV only) - 1, LDSP AD 2.24.12 IAC RNAV VISUAL RWY 23 -1, LDSB AD 2.24.12 IAC VOR-a RWY 03/21 -1	Water aerodrome “SPLIT/Resnik” withdrawn.	AIRAC AIP AMDT 009/2024 (03 OCT 2024)
ENR 6 - all charts to which it is applicable	New Heliport „LDRD - RIJEKA/Delta" added.	AIRAC AIP AMDT 009/2024 (03 OCT 2024)
LDLO AD 2.24.1 ADC -1	RWY 02/20 Strip dimensions should read 1020x140 (M). RWY 02 and RWY 20 RESA dimensions should read Length 90M, Width 60M. Type of RWY should read Instrument-non precision. RWY lighting according to AD 2.14, other lighting according to AD 2.15. RWY 02 PAPI (41ft) 3° Left.	AIRAC AIP AMDT 011/2024 (28 NOV 2024)
LDLO AD 2.24.2 APDC -1	Helicopter takeoff and landings only on RWY 02/20. Parking positions are determined by airport operator. RWY 02/20 Strip dimensions should read 1020x140 (M). RWY lighting according to AD 2.14, other lighting according to AD 2.15.	AIRAC AIP AMDT 011/2024 (28 NOV 2024)
ENR 6.8. -1 LDDU AD 2.24.12 IAC ILS y or LOC y RWY 11 -1 LDDU AD 2.24.12 IAC ILS z or LOC z RWY 11 -1 LDDU AD 2.24.13 VOC -1	Add FREQ 110.1 MHZ for DME 11 IDU	AIRAC AIP AMDT 011/2024 (28 NOV 2024)
LDDU AD 2.24.12 IAC ILS y or LOC y RWY 11 -1 LDDU AD 2.24.12 IAC ILS z or LOC z RWY 11 -1	OCA (H) changed from 870 (351) to 880 (361).	AIRAC AIP AMDT 013/2024 (23 JAN 2025)
LDRI AD 2.24.13 VOC -1	Air navigation obstacles erected within area ("RIJEKA GATEWAY (AREA)") - see AIP ENR 5.4.	AIRAC AIP AMDT 013/2024 (23 JAN 2025)
LDDU AD 2.24.1 ADC -1	Restriction should read: RWY 29 THR turn pad is forbidden to use for ACFT with wheelbase greater than 22,8m. Ref. AD 2.9.4	AIRAC AIP AMDT 001/2025 (20 FEB 2025)

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GEN 3 SERVICES

GEN 3.1 AERONAUTICAL INFORMATION SERVICES

GEN 3.1.1 RESPONSIBLE SERVICE

The AIM/AIS Service, which forms part of the Croatia Control Ltd., ensures the flow of information necessary for the safety, regularity and efficiency of international and national air navigation within the area of its responsibility as indicated under GEN 3.1.2 below. It consists of AIM/AIS operational support department, Aeronautical Publications Department and International NOTAM Office (NOF). The part of the service with respect to pre-flight briefing and post-flight briefing is provided by Split Central ARO. Central Air Traffic Services Reporting Office (CARO) is integrated part of Split ATC.

The service is provided in accordance with CIR (EU) 2017/373, as amended and complemented, and with the provisions contained in ICAO Annex 15 - Aeronautical Information Services and ICAO Annex 4 - Aeronautical Charts, with the differences published under AIP GEN 1.7.

GEN 3.1.1.1 AIM/AIS Service

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

Phone: +385 1 6259375

AFS: LDZAYOYX

URL: https://www.crocontrol.hr

URL: https://aim.crocontrol.hr (AIM Portal)

Operating hours: MON-FRI 0630-1430 (0530-1330)

GEN 3.1.1.2 Aeronautical Publications Department

Post: CROATIA CONTROL LTD.
Aeronautical Publications Department
Rudolfa Fizira 2
10410 Velika Gorica, P.O. Box 103
Croatia

Phone:
+385 1 6259372
+385 1 6259373
+385 1 6259381

AFS: LDZAYOYX

Email: aip@crocontrol.hr

URL: https://www.crocontrol.hr

Operating hours: MON-FRI 0630-1430 (0530-1330)

GEN 3.1.1.3 International NOTAM Office (NOF)

Post: CROATIA CONTROL LTD.
International NOTAM Office
Rudolfa Fizira 2
10410 Velika Gorica, P.O. Box 103
Croatia

Phone: +385 1 6259314
+385 1 7819209
+385 1 6265889

Fax: +385 1 2020338

AFS: LDZAYNYX

Email: notam@crocontrol.hr

URL: https://www.crocontrol.hr

Operating hours: H24

GEN 3.1.2 AREA OF RESPONSIBILITY

The AIM/AIS Service is responsible for the collection and dissemination of information for the entire territory of the Republic of Croatia and for the airspace over the high seas encompassed by the Zagreb Flight Information Region.

GEN 3.1.3 AERONAUTICAL PUBLICATIONS

The aeronautical information is provided in the form of Aeronautical Information Products in a standardized presentation consisting of the following elements:

- Aeronautical Information Publication (AIP);
- Amendment service to the AIP (AIP AMDT);
- Supplement to the AIP (AIP SUP);
- NOTAM;
- Aeronautical Information Circulars (AIC), and
- Aeronautical Charts.

NOTAM and the related monthly checklists are issued via the Aeronautical Fixed Service (AFS).

The eAIP containing (AIRAC) AIP AMDT, AIP SUP and AIC is distributed on optical media by mail and available on AIM Portal. All listed elements are also available for operational use in the European AIS Database (EAD). For other publications see also GEN 3.1.3.8.

Apart from provision for operational purposes in databases, on optical media and AIM Portal, aeronautical information is also available on following Croatia Control Ltd. and EAD web sites, but for information only: https://www.crocontrol.hr/en and http://www.ead.eurocontrol.int.

***Note**: When accessing aeronautical information on the web site and via internet, if stated, acceptance of the Disclaimer is implied.*

GEN 3.1.3.1 Aeronautical Information Publication (AIP)

The AIP is the basic aviation document intended primarily to satisfy international requirements for the exchange of permanent aeronautical information and long duration temporary changes, essential to air navigation.

GEN 3.2 AERONAUTICAL CHARTS

GEN 3.2.1. RESPONSIBLE SERVICES

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

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

GEN 3.2.2. MAINTENANCE OF CHARTS

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

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

GEN 3.2.3. PURCHASE ARRANGEMENTS

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

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

Phone: +385 1 6259376

Email: ais.subscription@crocontrol.hr

GEN 3.2.4. AERONAUTICAL CHARTS SERIES AVAILABLE

The following series of aeronautical charts are produced:

- Aerodrome Obstacle Chart - ICAO - Type A
- Precision Approach Terrain Chart - ICAO
- Enroute Chart - ICAO
- Standard Departure Chart - Instrument (SID) - ICAO
- Standard Arrival Chart - Instrument (STAR) - ICAO
- Instrument Approach Chart - ICAO
- Visual Approach Chart - ICAO
- Visual Operation Chart
- Aerodrome Chart - ICAO
- Aircraft Parking/Docking Chart - ICAO
- ATC Surveillance Minimum Altitude Chart - ICAO
- Instrument Approach Chart - ICAO (Circling with Prescribed Tracks)
- VFR Chart with recommended VFR routes 1:500 000

- Bird Concentrations Chart
- Index Charts

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

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

GEN 3.2.4.1 General description of each series

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

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

b. *Precision Approach Terrain Chart - ICAO*

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

c. *Enroute Chart - ICAO*

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

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

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

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

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

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

f. *Instrument Approach Chart - ICAO*

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

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

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

g. *Visual Approach Chart - ICAO*

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

The Alerting Service is provided by the Flight Information Service and the Air Traffic Control Service for all known aircraft.

Flight Information Service and Alerting Service are normally provided within the scope of Air Traffic Control Service. Also, Flight Information Service and Alerting Service could be provided from dedicated FIC position as defined in the local operational manual.
Flight Data Processing and Aeronautical Fixed Service are provided within the scope of Air Traffic Services.
Pre-flight Information Service, as the part of Aeronautical Information Service, is provided within the scope of Air Traffic Services.

The Air Traffic Advisory Service is not provided in the Republic of Croatia.

GEN 3.3.4. COORDINATION BETWEEN THE OPERATOR AND ATS

Coordination between the operator and air traffic services is effected in accordance with 2.15 of ICAO Annex 11 and 2.1.1.4 and 2.1.1.5 of Part VIII of the Procedures for Air Navigation Services - Rules of the Air and Air Traffic Services (Doc 4444, PANS-RAC).

GEN 3.3.5. MINIMUM FLIGHT ALTITUDE

The minimum flight altitudes on the ATS routes, as presented in section ENR 3, have been determined so as to ensure at least 300 M vertical clearance above the highest obstacle within 4 KM on each side of the centre line of the route.

However, where the angular divergence of the navigational air signal, in combination with the distance between the navigation aids, could result in an aircraft being more than 4 NM on either side of the centre line, the 10 NM protection limit is increased by the extent to which the divergence is more than 4 NM from the centre line.

***Note**: The navigation performance accuracy necessary for operation on air routes within Zagreb FIR is expressed as a distance in NM from the intended position within which flights would be for at least 95 per cent of the total flying time. For operation on the air routes in Zagreb FIR, the required navigation performance is RNAV 5. RNAV 5 represents a navigation accuracy of plus or minus 5 NM on a 95 per cent containment basis.*

GEN 3.3.6. ATS UNITS ADDRESS LIST

Unit name	Postal address	Tel	Fax	AFS address / E-mail
BRAC TWR	Hrvatska kontrola zračne plovidbe d.o.o. Podružnica Brač p.p. 33 21400 Supetar	+385 21 648606 +385 21 648626	+385 21 648606 +385 21 648623	LDSBZTZX
DUBROVNIK TWR	Hrvatska kontrola zračne plovidbe d.o.o. Jedinica prilazne i aerodromske kontrole Podružnica Dubrovnik Dobrota 24B, Močići 20213 Cilipi	+385 20 772400 +385 20 447750		LDDUZTZX
DUBROVNIK APP		+385 20 772310 +385 20 447752		LDDUZAZX
LOSINJ TWR	Hrvatska kontrola zračne plovidbe d.o.o. Podružnica Istra/Kvarner lokacija Lošinj Zabodarski 20 51564 Ćunski	+385 51 235166		LDLOZTZX
LUCKO TWR	Hrvatska kontrola zračne plovidbe d.o.o. Aerodromska kontrola zračnog prometa Lučko Ježdovečka 17 10250 Lučko	+385 1 6560115	+385 1 6560363	LDZLZTZX

Unit name	Postal address	Tel	Fax	AFS address / E-mail
OSIJEK / TWR	Hrvatska kontrola zračne plovidbe d.o.o. Podružnica Osijek p.p.325 31103 Osijek	+385 31 226808		LDOSZTZX
OSIJEK / APP		+385 31 226808		LDOSZAZX
PULA TWR	Hrvatska kontrola zračne plovidbe d.o.o. Podružnica Istra/Kvarner lokacija Pula Valtursko polje 210 A 52204 Ližnjan	+385 52 372511		LDPLZTZX
PULA APP		+385 52 372516		LDPLZAZX
RIJEKA TWR	Hrvatska kontrola zračne plovidbe d.o.o. Podružnica Istra/Kvarner lokacija Rijeka Hamec 1 51513 Omišalj	+385 51 654811 +385 51 842272		LDRIZTZX
SPLIT TWR	Hrvatska kontrola zračne plovidbe d.o.o. Podružnica Split/Brač p.p. 48 21216 Kaštel Stari	+385 21 205421		LDSPZTZX
SPLIT APP		+385 21 205458 +385 21 205457		LDSPZAZX
Central ARO Split		+385 21 205444 alternates: +385 21 295408 +385 21 895353	+385 21 895227	LDSPZPZX / aro.ldsp@crocontrol.hr
ZADAR TWR	Hrvatska kontrola zračne plovidbe d.o.o. Podružnica Zadar p.p. 297 23000 Zadar	+385 23 203427		LDZDZTZX
ZADAR APP		+385 23 203428		LDZDZAZX
ZAGREB ACC	CROATIA CONTROL Ltd. AREA CONTROL CENTRE ZAGREB P.O.BOX 103 10410 Velika Gorica Croatia	+385 1 6259309 +385 98 355762	+385 1 6259558	LDZOZQZX
ZAGREB APP		+385 1 6259504	+385 1 6259558	LDZAZAZX
ZAGREB FIC		+385 1 6259503	+385 1 6259558	LDZAZFZX
ZAGREB TWR	Hrvatska kontrola zračne plovidbe d.o.o. Aerodromska kontrola zračnog prometa Zagreb P.O. Box 103 10410 Velika Gorica Croatia	+385 1 6259229		LDZAZTZX

GEN 3.4 COMMUNICATION SERVICES

GEN 3.4.1. RESPONSIBLE SERVICE

Responsible for the provision of Aeronautical Fixed and Mobile Services as well as the Radio Navigation Service in the Republic of Croatia is Croatia Control Ltd.

Post: Croatia Control Ltd.
Rudolfa Fizira 2
10410 Velika Gorica, P.O. Box 103
Croatia

Phone: +385 1 6259 268
+385 1 7819 207

Fax: +385 1 2020 338

AFS: LDDDYFYX

The service is provided in accordance with CIR (EU) 2017/373, as amended and complemented, and with the ICAO Annexes and Documents:

- Annex 5 - Units of Measurement to be used in Air and Ground Operations
- Annex 10 - Aeronautical Telecommunications
- Doc 8400 - Procedures for Air Navigation Services - ICAO Abbreviations and Codes (PANS-ABC)
- Doc 8585 - Designators for Aircraft Operating Agencies, Aeronautical Authorities and Services
- Doc 7030 - Regional Supplementary Procedures
- Doc 7910 - Location indicators
- Doc 4444 - Rules of the Air and Air Traffic Services
- Doc 8259 - Manual on the Planning and Engineering of the Aeronautical Fixed Telecommunication Networks
- Doc 8071 - Manual on testing of radio navigation aids
- EUR Doc 020 - AMHS Manual
- EUR Doc 021 - ATS Messaging Management Manual

GEN 3.4.2. AREA OF RESPONSIBILITY

Croatia Control Ltd. is the responsible authority for the installation and operation of the civil facilities and services listed in Part ENR.

GEN 3.4.3. TYPES OF SERVICES

GEN 3.4.3.1 Radio navigation services

The radio navigation aids tolerances are in accordance with the provisions of ICAO Annex 10.

The following types of radio navigation aids are available:

- Locator Beacon (L);
- LF/MF non-directional beacon (NDB);
- Instrument landing system (ILS);
- VHF omnidirectional radio range (VOR);
- Distance-measuring equipment (DME);
- VHF-Marker Radio Beacon (MKR);
- Primary Surveillance Radar (PSR);
- Secondary Surveillance Radar (SSR);
- Monopulse Secondary Surveillance Radar (MSSR).

All radio navigation aids are dual installations and equipped with secondary power supply.

The maximum switch-over time to the standby transmitter correspond to the power supply switch-over time, and for non-visual approach aids switch-over time shall be within the tolerances according to ICAO Annex 10, Volume I; if these times cannot be met, the maximum switch-over time will be published as a remark within AD part of the relevant aerodrome, under item AD 2.19.

Radio navigation facilities will not be available for navigational purposes during the maintenance period.

The usable range of the radio navigation aids is indicated as coverage in ENR 4 Radio navigation aids/systems.

The change-over point between radio navigation aids of an ATS route is normally mid-way point between these aids or at the point of the change of track, if not otherwise published. Radio navigation aids are regularly flight-checked and calibrated by Croatia Control Ltd.

GEN 3.4.3.2 Mobile/fixed service

GEN 3.4.3.2.1 Mobile service

The air traffic services units maintain a continuous watch on their stated frequencies during the published hours of service unless otherwise notified, however low level flights in areas with mountainous terrain may encounter difficulties in establishing and maintaining radio communication with relevant air traffic services units.

VHF-equipment (transmitter and receiver) used in the aeronautical band (118.000 - 137.000 MHZ) shall comply with the specifications prescribed in ICAO Annex 10, Vol. III, Part II, Chapter 2.

GEN 4.1.3. PARKING, HANGARAGE AND LONG-TERM STORAGE OF AIRCRAFT

GEN 4.1.3.1 Parking of aircraft

GEN 4.1.3.1.1 BRAČ/Brač I. Aerodrome

The first 4 hours are free of charge.

Parking charge per tonne *MTOW / 24H is 4,00 EUR.

GEN 4.1.3.1.2 DUBROVNIK/Rudjer Boskovic Airport

The first 4 hours are free of charge.

Parking charge per ton *MTOW to 24 hours amounts to 7,00 EUR. The parking charge for helicopters is 75% of the basic parking charge.

From June 1st to September 30th, for all aircraft whose parking at the airport is not caused by a technical malfunction or any other circumstance beyond the control of the aircraft operator, the prices will be increased as follows:

- The charge is increased by 50% if the aircraft parking lasts from 24 to 48 hours, and it is applied for the entire parking period.
- The charge is increased by 100% if the aircraft parking lasts from 48 to 72 hours, and it is applied for the entire parking period.
- The charge is increased by 200% if the aircraft parking lasts over 72 hours, and it is applied for the entire parking period.

GEN 4.1.3.1.3 LOŠINJ/Lošinj I. Aerodrome

The first 4 hours are free of charge.

*MTOW (KG)	Charge (HRK)
up to 1 000	60,00
1 001 - 2 000	75,00
2 001 - 5 000	150,00
5 001 - 10 000	250,00

GEN 4.1.3.1.4 OSIJEK/Klisa Airport

The first 4 hours of parking are free of charge.

In case of exceeding the 4 hours free-of-charge parking period, the calculation period starts from the beginning of actual block-to-block time and is calculated as a 24 hours charge. Every hour started after the period of 24 hours is taken as new 24 hours.

Unit	EUR
Each started tonne of *MTOW	3.00

GEN 4.1.3.1.5 PULA/Pula Airport

The first 4 hours are free of charge.

Parking charge per ton on the basis of the MTOW for up to 24 hours is 3,00 EUR.

Helicopter parking charge is 50% of the basic parking charge.

GEN 4.1.3.1.6 RIJEKA/Krk I. Airport

The first 4 hours are free of charge.
The fee is charged 8,00 EUR per ton on the basis of the MTOW for every started calendar day.

GEN 4.1.3.1.7 SPLIT/Saint Jerome Airport

Unit	**EUR**
Each started ton of *MTOW	4,00

- Aircraft parking is charged per ton of *MTOW.
- First 4 hours are free of charge.
- The parking charge is calculated for every started period of 24 hours.
- In case of exceeding the free 4 hours of parking time the calculation period starts from the beginning of actual block-to-block time.
- In the period from 01 JUN to 30 SEP the stated prices are increased as follows:
  - The charge is 50% increased in case when aircraft parking lasts from 24 to 48 hours and is applied for the whole parking period
  - The charge is 100% increased in case when an aircraft parking lasts from 48 to 72 hours and is applied for the whole parking period
  - The charge is 200% increased in case when an aircraft parking lasts longer than 72 hours and is applied for the whole parking period.

GEN 4.1.3.1.8 ZADAR/Zemunik Airport

Price of service

Unit	**EUR**
Each started ton of MTOW	4,00

Aircraft parking is charged per ton MTOW.

The first 4 hours are free of charge.

The charge is calculated for every started period of 24 hours.

For the period from 1st JUN to 30th SEP, for any aircraft that uses Zadar Airport Apron for parking for any reason but technical trouble or some other reason out of objective influence of aircraft operator, the stated prices are increased as follows:

- The charge is 25% increased in case when an aircraft parking lasts from 24 to 48 hours, and is applied for the whole parking period.
- The charge is 75% increased in case when an aircraft parking lasts longer than 48 hours, and is applied for the whole parking period.

GEN 4.1.3.1.9 ZAGREB/Franjo Tuđman Airport

PARKING CHARGES ON WEST APRON

- the first 4 hours are free of charge

PARKING CHARGES ON EAST APRON

Grace Period:

- 50 MIN for ACFT with Code letter “A”, “B” (“A” wingspan up to but not including 15 M; “B” wingspan 15 M up to but not including 24 M)
- 60 MIN for ACFT with Code letter “C” (wingspan 24 M up to but not including 36 M) for long-haul flights defined in ZAG concession agreement
- 90 MIN for ACFT with Code letter “D” (wingspan 36 M up to but not including 52 M)
- 120 MIN for ACFT with Code letter “E” (wingspan 52 M up to but not including 65 M)
- 180 MIN for ACFT with Code letter “F” (wingspan from 65 M and above)

In case of exceeding the free time of parking, the calculation period starts from the beginning of actual block-to-block time.

Period of time between 2200-0600 (local time) is free of charge.

The calculation period starts from the beginning of the actual on-block-time and finishes on the actual off-block-time.

PARKING CHARGES ON WEST APRON

Parking charge is applied after the use of first 4 hours of parking at West Apron and is calculated according to below table in case of parking up to 3 days on the same parking stand, including first 4 hours of parking.

Unit	Period	Fee (EUR)
Per tonne or part thereof	5 MIN	0.01

If the ACFT is parked more than 3 days, the formula below applies for the calculation of the parking charge, including first 3 days of parking.

Unit	Period	Fee (EUR)
Per tonne or part thereof	Day	1.00

PARKING CHARGES ON EAST APRON

Parking charge is applied after “grace period” at East Apron and parking charge is according to below table from on-block time to off-block time.

Unit	Period	Fee (EUR)
Per tonne or part thereof	5 MIN	0.04

GEN 4.1.3.2 Hangarage charges

BRAČ/Brač I. Aerodrome - Nil.

DUBROVNIK/Rudjer Boskovic Airport - Nil.

LOŠINJ/Lošinj I. Aerodrome - Nil.

OSIJEK/Klisa Airport - Nil.

PULA/Pula Airport - Nil.

RIJEKA/Krk I. Airport - Nil.

SPLIT/Saint Jerome Airport - Nil.

ZADAR/Zemunik Airport - Nil.

ZAGREB/Franjo Tuđman Airport - Nil.

GEN 4.1.3.3 Long-term storage

Detailed information available at the aerodrome operator.

GEN 4.1.4. PASSENGER SERVICE

GEN 4.1.4.1 BRAČ/Brač I. Aerodrome

General aviation - the charge for passengers in domestic air traffic is 7,15 EUR, and for passengers in international air traffic 9,15 EUR.

Passenger aircraft - the charge for passengers (PAX service, Passenger with reduced mobility, Security Charge) in domestic air traffic is 12,00 EUR, and for passengers in international air traffic 21,00 EUR.

GEN 4.1.4.2 DUBROVNIK/Rudjer Boskovic Airport

Service charge		
Traffic type	**Unit**	**EUR**
International passenger service	Departing passenger	11,00
Domestic passenger service		5,00
Passenger service per transfer		5,00

GEN 4.1.4.3 LOŠINJ/Lošinj I. Aerodrome

*MTOW (KG)	Charge (HRK)
up to 1 000	25,00
1 001 - 2 000	25,00
2 001 - 5 000	25,00
5 001 - 10 000	25,00

GEN 4.1.4.4 OSIJEK/Klisa Airport

Traffic type	Unit	EUR
International passenger service	per departing passenger	7.50
Domestic passenger service		4.00
Transfer passenger service		4.00

GEN 4.1.4.5 PULA/Pula Airport

The charge for departing passengers in domestic air traffic is 5,00 EUR, and for passengers in international air traffic 10,00 EUR.

The charge for transfer passengers is 5,00 EUR.

The charge for general aviation passengers is 3,50 EUR.

GEN 4.1.4.6 RIJEKA/Krk I. Airport

The charge for passengers in domestic air traffic is 15,00 EUR per departing passenger, for passengers in international air traffic 15,00 EUR per departing passenger and for transfer passengers 15,00 EUR per departing passenger.

GEN 4.1.4.7 SPLIT/Saint Jerome Airport

Service charge		
Traffic type	**Unit**	**EUR**
International passenger service	Departing passenger	11,00
Domestic passenger service		5,00

GEN 4.1.4.8 ZADAR/Zemunik Airport

Price of service

Passenger service charge per departing passenger		
Traffic type	**Unit**	**EUR**
International passenger service	Departing passenger	10,00
Domestic passenger service		5,00

GEN 4.1.4.9 ZAGREB/Franjo Tuđman Airport

Passenger service per departing passenger:

Service charge		
Traffic type	**Unit**	**EUR**
International passenger service	Departing passenger	19,67
Domestic passenger service		8,43
Passenger service per transfer		4,50

GEN 4.1.5. SECURITY

GEN 4.1.5.1 DUBROVNIK/Rudjer Boskovic Airport

Security charge (valid from 01 JUL 2014)		
Traffic type	**Unit**	**EUR**
Commercial traffic	Departing passenger	5,80
Non Commercial traffic		5,80

GEN 4.1.5.2 OSIJEK/Klisa Airport

Traffic type	Unit	EUR
All categories	per departing passenger	4,00

Service	Unit	EUR
X-ray check of cargo and mail	per shipment	1.45
	additionally per KG	0.03

Service	Unit	EUR
Security check (for shipments not possible to be checked by X-ray due to weight or dimensions)	per shipment	7.30

GEN 4.1.5.3 PULA/Pula Airport

Security charge		
Traffic type	**Unit**	**EUR**
Commercial traffic	Departing passenger	4,00
Non Commercial traffic		4,00

GEN 4.1.5.4 RIJEKA/Krk I. Airport

Security charge		
Traffic type	**Unit**	**EUR**
Commercial traffic	Departing passenger	6,00
Non Commercial traffic		6,00
Cargo traffic	Per KG	0,01

GEN 4.1.5.5 SPLIT/Saint Jerome Airport

Security charge		
Traffic type	**Unit**	**EUR**
Commercial traffic	Departing passenger	4,60
Non Commercial traffic		4,60

GEN 4.1.5.6 ZADAR/Zemunik Airport

Security charge		
Traffic type	**Unit**	**EUR**
Commercial traffic	Departing passenger	4,00
Non Commercial traffic		4,00

GEN 4.1.5.7 ZAGREB/Franjo Tuđman Airport

Passenger security charges		
Traffic type	**Unit**	**EUR**
Commercial traffic	Departing passenger	6,50
Non Commercial traffic		6,50

Air Cargo Security Charges

Air Cargo Security Charges are due from the freight forwarding agent, unless otherwise advised by the air carrier.

Service	Unit	EUR
X-ray check of cargo and mail	per shipment	2,703
	additionally per kg	0,041

Service	Unit	EUR
Security check for shipments not possible to be checked by X-ray due to weight or dimensions	per shipment	13,520

GEN 4.1.6. NOISE-RELATED ITEMS

GEN 4.1.6.1 BRAČ/Brač I. Aerodrome

Nil

GEN 4.1.6.2 DUBROVNIK/Rudjer Boskovic Airport

Nil

GEN 4.1.6.3 LOŠINJ/Lošinj I. Aerodrome

Nil

GEN 4.1.6.4 OSIJEK/Klisa Airport

Nil

GEN 4.1.6.5 PULA/Pula Airport

Nil

GEN 4.1.6.6 RIJEKA/Krk I. Airport

Nil

GEN 4.1.6.7 SPLIT/Saint Jerome Airport

Nil

GEN 4.1.6.8 ZADAR/Zemunik Airport

Nil

GEN 4.1.6.9 ZAGREB/Franjo Tuđman Airport

Nil

GEN 4.1.7. OTHER

GEN 4.1.7.1 BRAČ/Brač I. Aerodrome

Special services charges - on request.

GEN 4.1.7.2 DUBROVNIK/Rudjer Boskovic Airport

Charge for passengers with reduced mobility (PRM)*		
Traffic type	**Unit**	**EUR**
Commercial traffic	Departing passenger	0,35
Non Commercial traffic		0,35

*** The charge includes assistance and arrangements necessary for PRM passengers and accomodation of services available to all passengers.**

Airlines Incentives Policy is available at the following link:https://www.airport-dubrovnik.hr/en/business/incentives-policy-s63

GEN 4.1.7.3 LOŠINJ/Lošinj I. Aerodrome

Special services charges - on request.

GEN 4.1.7.4 OSIJEK/Klisa Airport

Charge for disabled passengers and passengers with reduced mobility (PRM)		
Traffic type	**Unit**	**EUR**
Passengers on all flights	per departing passenger	0,25

Charge for upgrading the rescue and fire-fighting category above CAT 4 (during the official opening hours of OSIJEK/Klisa Airport, CAT 4 is available)		
Upgrading CAT	**Unit**	**EUR**
charge for upgrading the rescue and fire-fighting CAT from 4 to 5	Per commenced hour	50.00
charge for upgrading the rescue and fire-fighting CAT from 4 to 6	Per commenced hour	348.00
charge for upgrading the rescue and fire-fighting CAT from 4 to 7	Per commenced hour	365.00
charge for upgrading the rescue and fire-fighting CAT from 4 to 8	Per commenced hour	on request
charge for upgrading the rescue and fire-fighting CAT from 4 to 9	Per commenced hour	on request

A more detailed Regulated Airport Service Price List can be found on

URL: www.osijek-airport.hr

GEN 4.1.7.5 PULA/Pula Airport

Charge for passengers with reduced mobility (PRM)		
Traffic type	**Unit**	**EUR**
Commercial traffic	Departing passenger	0,25
Non Commercial traffic		0,25

Charges for special services on request are charged in accordance with the Price list of services on special request.

GEN 4.1.7.6 RIJEKA/Krk I. Airport

A more detailed Regulated Airport Services Price list and Price list of services on special request can be found on http://www.rijeka-airport.hr/. For more information on commercial details please use the following e-mail for contact: commercial@rijeka-airport.hr.

Passenger with reduced mobility (PRM)

Charge for passengers with reduced mobility (PRM)		
Traffic type	**Unit**	**EUR**
Commercial and non commercial traffic	Departing passenger	0,30

Cargo infrastructure tax

Cargo infrastructure tax (charge for usage of cargo infrastructure for cargo traffic)		
Traffic type	**Unit**	**EUR**
Cargo traffic	Outgoing cargo per kg	0,05

Service on demand: insurance of the higher rescue and fire-fighting category

Higher rescue and fire-fighting category		
Rescue and fire-fighting category	**Unit**	**EUR**
II-V	Per commenced hour	150,00
VI	Per commenced hour	360,00
VII	Per commenced hour	390,00
VIII-X	Per commenced hour	430,00

GEN 4.1.7.7 SPLIT/Saint Jerome Airport

Charge for passengers with reduced mobility (PRM)		
Traffic type	**Unit**	**EUR**
Commercial traffic	Departing passenger	0,30
Non Commercial traffic		0,30

Service charges on request are charged in accordance with the Price list of services on special request.

GEN 4.1.7.8 ZADAR/Zemunik Airport

Charge for passengers with reduced mobility (PRM)		
Traffic type	**Unit**	**EUR**
Commercial traffic	Departing passenger	0,25
Non Commercial traffic		0,25

Charges for special services on request are charged in accordance with the Price list of services on special request.

GEN 4.1.7.9 ZAGREB/Franjo Tuđman Airport

A more detailed Regulated Airport Services Price List can be found on http://www.zagreb-airport.hr/.

For more information on commercial details please contact:

Email: commercial@zag.aero

Passenger with reduced mobility (PRM)

Service	Unit	EUR
Commercial traffic	Departing passenger	0,45
General aviation		0,45

Charges for passengers with reduced mobility (PRM) are due from the air carrier.

Miscellaneous Services: Access to the Security restricted area

Service	EUR
Airport identification card for unescorted person (valid up to 4 years)	13.27 + VAT
Airport identification card for unescorted vehicle (valid up to 1 year)	19.91 + VAT

Incentive Program:

- The incentives granted shall be calculated in accordance with the following table:

Year-round Scheduled New Destination Incentive (Incentive Model I)			
Fees	Period		
	1st year	2nd year	3rd year
Landing Fee	100%	50%	25%
Passenger Service Charge	40%	20%	10%

- The incentives granted shall be calculated in accordance with the following table:

Year-round Frequency Increase on Existing Destination (Incentive Model II)		
Fees	Period	
	1st year	2nd year

Year-round Frequency Increase on Existing Destination (Incentive Model II)		
Landing Fee	50%	25%
Passenger Service Charge	10%	5%

- The incentives granted shall be calculated in accordance with the following table:

Seasonal Scheduled New Destination (Incentive Model III)	
Fees	Period
	12 months
Landing Fee	100%

- The incentives granted shall be calculated in accordance with the following table:

New Charter Destination (Incentive Model IV)	
Fees	Period
	12 months
Landing Fee	50%

- The incentives granted shall be calculated in accordance with the following table:

Seasonal to Year-round Incentives (Incentive Model V)	
Fees	Period
	12 months
Landing Fee	100%
Passenger Service Charge	10%

- The incentives granted shall be calculated in accordance with the following table:

Supplementary Long-houl Incentives (Incentive Model VI)	
Fees	Period
	Valid through the applied Incentive Model I-V
Passenger Service Charge	30%

- The incentives granted shall be calculated in accordance with the following table:

Supplementary Based Aircraft Incentives (Incentive Model VII)	
Fees	Period
	Valid through the applied Incentive Model I-V
Centralized Infrastructure - Terminal	100%
Centralized Infrastructure - Ramp	100%

GEN 4.1.7.9.1 Services on special request

Additional use of the Rescue and firefighting service in case of alternation, engine testing and refuelling with passengers on board, or during embarking/disembarking:

Service	Period	Fee (EUR)
Use of the firefighting vehicle	30 MIN	50.00

GEN 4.1.8. EXEMPTIONS AND REDUCTIONS

GEN 4.1.8.1 Exemptions

GEN 4.1.8.1.1 BRAČ/Brač I. Aerodrome

Exempted from charges are:

- Infants up to the age of two
- passengers holding free tickets (ID90, ID00)
- Aircraft crew
- Brač Aerodrome personnel

Croatian military aircraft when flying for military purposes and the Red Cross aircraft of the Republic of Croatia shall be exempt from the payment of charges.

Should an aircraft return from take off point to the apron, handling shall not be charged provided no change of load occurs.

GEN 4.1.8.1.2 DUBROVNIK/Rudjer Boskovic Airport

Exempted from charges are:

- children up to 2 years of age (infants)
- passengers holding free ticket (ID 00)
- direct transit passengers
- crew (DHC)

The following categories shall be exempt from airport charges:

a. aircraft involved in search and rescue operations

b. aircraft used for humanitarian assistance in case of a natural disaster or state of emergency

c. aircraft in distress

d. state aircraft which provide emergency medical aid

e. state aircraft which perform fire fighting protection

f. state aircraft which perform special activity flig

g. Croatian military aircraft when flying for military purposes, Croatian Ministry of Interior aircraft and Republic of Croatia Red Cross aircraft

GEN 4.1.8.1.3 LOŠINJ/Lošinj I. Aerodrome

Exempted from charges are (for general air traffic):

- infants up to the age of two
- aircraft pilots
- panoramic flights passengers
- taxi flights passengers
- medical flights passengers
- Airport Mali Lošinj Ltd. personnel

Exempted from paying aerodrome charges are Croatian aeroclubs aircraft, Croatian military aircraft and aircraft invited by Airport Mali Lošinj Ltd.

GEN 4.1.8.1.4 OSIJEK/Klisa Airport

Passenger service charges are not paid by the following categories of passengers:

- children up to 2 years of age (infants)
- ID00
- transit passengers
- crew (DHC)

The following categories shall be exempted from airport charges:

a. aircraft involved in search and rescue operations,

b. aircraft used for humanitarian assistance in case of a natural disaster or state of emergency,

c. aircraft in distress,

d. state aircraft which provide emergency medical aid,

e. state aircraft providing fire fighting protection flights,

f. state aircraft providing special activity flights.

GEN 4.1.8.1.5 PULA/Pula Airport

Passenger service charges are not paid by the following categories of passengers:

- children up to 2 years of age (infants)
- passengers holding free ticket (ID00)
- transit passengers
- crew (DHC)

The following categories shall be exempt from AD charges:

a. ACFT involved in SAR operations,

b. ACFT used for humanitarian assistance in case of a natural disaster or state of emergency,

c. ACFT in distress,

d. state ACFT which provide emergency medical aid,

e. state ACFT providing fire fighting protection,

f. state ACFT providing special activity flights,

g. Croatian military ACFT when flying for MIL purposes, Croatian Ministry of Interior's ACFT and Republic of Croatia Red Cross ACFT shall be exempt from the payment of charges.

GEN 4.1.8.1.6 RIJEKA/Krk I. Airport

Passenger service charges are not paid by the following categories of passengers:

- children up to 2 years of age (infants)
- passengers holding free ticket (ID00)
- direct transit passengers
- crew (DHC)
- Rijeka/Krk I. Airport employees
- panoramic flights passengers
- medical flights passengers

The following categories shall be exempt from airport charges:

a. aircraft involved in search and rescue operations

b. aircraft used for humanitarian assistance in case of a natural disaster or state of emergency

c. aircraft in distress

d. state aircraft which provide emergency medical aid

e. state aircraft providing fire fighting protection

f. state aircraft providing special activity flights

g. Croatian military aircraft when flying for military purposes, Croatian Ministry of Interior's aircraft and Republic of Croatia Red Cross aircraft shall be exempt from the payment of charges

GEN 4.1.8.1.7 SPLIT/Saint Jerome Airport

Passenger service charges are not paid by the following categories of passengers:

- children up to 2 years of age (infants)
- ID00
- transit passengers
- crew (DHC)

The following categories shall be exempt from airport charges:

a. aircraft involved in search and rescue operations

b. aircraft used for humanitarian assistance in case of a natural disaster or state of emergency

c. aircraft in distress

d. state aircraft which provide emergency medical aid

e. state aircraft which perform fire fighting protection

f. state aircraft which perform special activity flights

g. Croatian military aircraft when flying for military purposes and Republic of Croatia Red Cross aircraft shall be exempt from the payment of charges.

Should an aircraft return from the take-off position to the apron, handling shall not be charged provided no change of load occurs (passengers, baggage, cargo, mail).

Handling is not charged for the purpose of training flight crew personnel.

GEN 4.1.8.1.8 ZADAR/Zemunik Airport

Should an aircraft return from take off point to the apron, handling shall not be charged provided no change of load occurs.

Passenger service charges are not paid by the following categories of passengers:

- children up to 2 years of age (infants)
- ID00
- DHC (Dead Head Crew)
- Transit passengers

The following categories shall be exempt from airport charges:

a. aircraft involved in search and rescue operations

b. aircraft used for humanitarian assistance in case of a natural disaster or state of emergency

c. aircraft in distress

d. state aircraft which provide emergency medical aid

e. state aircraft which perform fire fighting protection

f. state aircraft which perform special activity flights

g. Croatian military aircraft when flying for military purposes and Republic of Croatia Red Cross aircraft shall be exempt from the payment of charges.

GEN 4.1.8.1.9 ZAGREB/Franjo Tuđman Airport

Passenger service charges are not paid by the following categories of passengers:

- children up to 2 years of age (infants)
- transit passengers

The following shall be exempt from airport and user charges:

a. aircraft involved in search and rescue operations;

b. aircraft used for humanitarian assistance in case of a natural disaster or state of emergency;

c. aircraft in distress;

d. state aircraft which provide emergency medical aid;

e. state aircraft which perform fire fighting protection;

f. state aircraft which perform special activity flights;

GEN 4.1.8.2 Reductions

GEN 4.1.8.2.1 BRAČ/Brač I. Aerodrome

Landing and take-off charges for crew personnel training purpose (touch and go) shall be reduced for 25%.

Handling charges for crew personnel training purpose shall be reduced for 75%.

Landing and take-off charges shall be reduced for:

- 25% for technical landing, if no change of load occurs, except fuel
- 50% for helicopters

Landing and take-off charges, as well as handling charges shall be reduced for:

- 25% for test flight (only Landing)
- 25% for return flight

Handling charges shall be reduced for:

- 25% for ferry flight (empty leg)

Reduction of one provision excludes using any other provision at the same time.

GEN 4.1.8.2.2 DUBROVNIK/Rudjer Boskovic Airport

Charges for reversal and ferry flights and emergency landings are 50% of the basic Landing charge.
Charges for helicopter flights are 75% of the basic Landing charge.
Charges for test and training flights (each touch and go) are 25% of the basic Landing charge.

Charges for basic airport services for the Republic of Croatia government aircraft are 50% of the charges stated.

GEN 4.1.8.2.3 LOŠINJ/Lošinj I. Aerodrome

Discount up to 25% can be approved for organised group arrivals of registered aeroclubs aircraft.

Discount up to 50% can be approved for bussiness partners aircraft, owners of aircraft with permanent address in Lošinj, owners of aircraft on regulary lines (two times a week or more).

Discounts can be approved only for landing and parking.
Discounts do not apply for commercial landing.

GEN 4.1.8.2.4 OSIJEK/Klisa Airport

Runway charge shall be reduced by 25% in case of:

- return flights
- trial flights
- technical landing
- helicopter landing

The handling charge shall be reduced by 50% in case of:

- technical landing, if no change of load occurs, except fuel;
- air ambulance flight;
- training flights

- trial flights;

If an aircraft returns from the take-off position to the apron and a subsequent change of commercial load occurs, the repeated handling shall be charged in the amount of 75% of the handling charge.

The handling charge shall be reduced by 25% if a scheduled or a charter flight does not use the passenger, cargo, and/or goods handling service at the moment of arrival or departure (ferry flight).

GEN 4.1.8.2.5 PULA/Pula Airport

Landing charges shall be reduced by:

a. 50% for helicopters, reversal, training and positioning flights;

b. 50% for technical and emergency landing;

c. 75% za test flights;

d. 75% for each touch and go.

Handling charges shall be reduced by:

a. 25% for an arriving or departing empty leg flight;

b. 75% for positioning or test flights;

c. 50% for technical landing;

d. 50% for helicopters;

e. 50% for training and ambulance flights.

For advance or cash payment, an additional discount of 5% shall be granted for services rendered to commercial air carriers.

Charges for basic aerodrome services for the Republic of Croatia government aircraft are 50% of the charges stated in this Price list.

GEN 4.1.8.2.6 RIJEKA/Krk I. Airport

Landing charges shall be reduced by:

- 100% for helicopters with skis/floats (not wheels)
- 75% for test and training flights (each touch and go counts)
- 50% for helicopters with wheels, technical landings and emergency flights
- 30% for ferry-in and positional flights

Handling charges shall be reduced by:

- 75% for test and training flights
- 50% for helicopters with wheels, technical landings and emergency flights
- 30% for empty and ferry-out flights

Reduction for one provision excludes using any other at the same time.

GEN 4.1.8.2.7 SPLIT/Saint Jerome Airport

Charges for use of the runway shall be reduced by 25% in cases of a:

- reversal flight
- test flight
- technical landing

Landing charges for training flights are reduced by 75% from the basic charge. Training flight must be announced in advance and approved by Split Airport Ltd.

Handling charges shall be reduced by 50% in case of:

- technical landing, if no change of load occurs
- ambulance flight
- trial flight

If an aircraft returns from the take-off position to the apron and a change of load occurs, the repeated handling shall be charged in the amount of 75% percent of the handling charge.

Handling charges shall be reduced by 25% in case when passenger aircraft in scheduled or charter traffic, arriving or departing, does not use the service of loading or unloading (Ferry flight).

GEN 4.1.8.2.8 ZADAR/Zemunik Airport

Charges for use of the RWY shall be reduced by 25% in cases of:

- reversal flight,
- test flight,
- technical landing,
- emergency landing.

Handling charges shall be reduced by 50% in case of:

- technical landing, if no change of load occurs.

If an aircraft returns from the take-off position to the apron and a change of load occurs, the repeated handling shall be charged in the amount of 75% of the handling charge.

Handling charges shall be reduced by 25% in case when passenger aircraft in scheduled or charter traffic, arriving or departing, does not use the service of loading or unloading (Ferry flight).

GEN 4.1.8.2.9 ZAGREB/Franjo Tuđman Airport

Charges for use of the runway shall be reduced by 25% in case of a:

- return flight
- trial flight
- technical landing

GEN 4.1.8.3 Surcharges

GEN 4.1.8.3.1 BRAČ/Brač I. Aerodrome

Handling charges shall be increased by 25% in cases of:

- night handling (from SS till SR)
- handling on Croatian national holidays

- repeated part or complete handling service, upon user request

Take off, landing and handling charges out of operating hours on request:

For all aircraft up to 5700 KG of *MTOW, the charge is 120,00 EUR per hour; for aircraft between 5701 *MTOW and 20000 KG *MTOW, it's 250,00 EUR per hour; and for aircraft over 20000 KG *MTOW, the charge is 350,00 EUR per hour.

GEN 4.1.8.3.2 DUBROVNIK/Rudjer Boskovic Airport

Waiting on request charge is 300 EUR for operating out of airport working hours per each commenced hour. Four (4) hours is the maximum to be charged i.e. from 2100 – 0100 (2100 - 0100) counting in advance and from 0500 – 0100 (0400- 0000) counting backwards.

GEN 4.1.8.3.3 LOŠINJ/Lošinj I. Aerodrome

Overtime (for all flights out of operating hours, all services included) amounts 350,00 HRK per hour.

GEN 4.1.8.3.4 OSIJEK/Klisa Airport

The handling charge shall be increased by 25%:

- on Sundays and national holidays of the Republic of Croatia
- for night handling between 2100-0500 (2000-0400)
- outside OSIJEK/Klisa Airport HR SER
- for repeated loading/unloading caused by Carrier's error

Opening the airport outside of regular opening hours and waiting on request:

- Opening the airport outside of official opening hours and waiting time outside of regular opening hours is subject to additional charges.
- Aircraft waiting time is defined as a period of time of up to two hours after the official end of Osijek Airport opening hours, in accordance with the Ordinance on Airport Opening Hours. The minimum unit of time for charging waiting time outside of regular airport opening hours is 30 minutes.
- Opening of Osijek Airport is defined as a period of time preceding the official airport opening hours and a period of time after the maximum aircraft waiting time (over two hours after the official opening hours)
- The charge for opening the airport outside of official opening hours and for waiting outside of regular opening hours does not include the landing charge, lighting charge and handling charge.

Opening of airport outside regular opening hours	Unit	EUR
per flight	per hour	350.00

Aircraft waiting time outside regular opening hours	Unit	EUR
per flight	30 MIN	180.00

Note:

- Cancelling an aircraft operation outside of regular opening hours of OSIJEK/Klisa Airport within 12 hours before the scheduled take-off/landing time is charged at a rate equal to 100% of the total price agreed. In addition to the charge for opening the airport specified above, Osijek Airport Ltd. will also charge the air carrier the full amount of the landing, handling and centralised infrastructure charge.
- Cancellations made outside of regular opening hours of Osijek Airport within 12-24 hours before the scheduled flight are charged at a rate equal to 50% of the total price agreed. In addition to the charge for opening the airport specified above, Osijek Airport Ltd. will also charge the air carrier 50% of the landing, handling and centralised infrastructure charge.
- The charge will not apply to an aircraft for which the airport was requested to be opened or waiting was required in the event of severe weather or deteriorating technical conditions at the airport due to which the aircraft is unable to land/take off.

GEN 4.1.8.3.5 PULA/Pula Airport

Charges for passenger aircraft shall be increased by:

a. 200,00 EUR for handling outside AD HR SER per each hour started. Four (4) hours is the maximum to be charged from 2100-0100 (2000-0000) counting in advance and from 0500-0100 (0400-0000) counting backwards;

b. 25% for night handling from 2100-0500 (2000-0400);

c. 25% for repeated loading/unloading caused by Carrier's error;

d. 25% for handling during state holidays;

e. the maximum surcharge is 50% on the basis of two surcharges.

All flights cancelled with a less than 24 hours notice given before planned arrival/departure shall be charged 50% of the total handling charge.

Charges for general air traffic shall be increased by 100,00 EUR for handling outside AD HR SER per each hour started. Four (4) hours is the maximum to be charged from 2100-0100 (2000-0000) counting forward and from 0500-0100 (0400-0000) counting backwards.

GEN 4.1.8.3.6 RIJEKA/Krk I. Airport

Handling charges shall be increased by:

- 25% for night handling (thirty minutes upon official sunset and thirty minutes prior to the official sunrise, minimum from 2200 until 0600 LT
- 25% for repeated loading/unloading caused by Carrier's error
- 25% for handling during state holidays
- 50,00 EUR for aircraft up to 3.000 KG MTOW (rescue and fire-fighting category III), 190,00 EUR for aircraft over 3.001 KG MTOW (rescue and fire-fighting category IV), 290,00 EUR for aircraft up to 49,000 KG MTOW (rescue and fire-fighting category V and VI) and 490,000 EUR for aircraft over 49,001 KG MTOW (rescue and fire-fighting category VI, VII, VIII, IX and X) for handling outside AD HR SER per each commenced hour. Minimum calculation unit is 1 hour on working days for extension or early opening, and 3 hours during night and in case of non-working days. In case when Rijeka airport is not extending opening hours, but has to be reopened for handling and landing minimum calculation unit is 3 hours.

50% of handling charge will be charged in case of confirmed flight cancellation with less than 24 hours notice given before planned arrival/departure.
50% of handling charge will be charged in case of diversions of aircraft which is not caused by force majeure.

GEN 4.1.8.3.7 SPLIT/Saint Jerome Airport

When waiting for aircraft outside AD HR SER a fee shall be charged. Minimal unit rate is 30 minutes and the maximum number of hours charged is 8 (eight).

Traffic type	Unit	EUR
Commercial traffic	per hour	230,00
Non Commercial traffic		230,00

Handling charges shall be increased by 25% in case of:

- days of national holidays of the Republic of Croatia
- night handling between 2100-0500 (2000-0400)
- reloading caused by Carrier's error

GEN 4.1.8.3.8 ZADAR/Zemunik Airport

Handling charges shall be increased for:

- 25% for night handling (summer period from 2000-0400 UTC; winter period from 2100-0500 UTC)
- 25% for reloading caused by carrier's error
- 25% for handling during Sundays and national holidays
- 25% for non announced flight within 24 hours
- 250,00 EUR for handling during out of Zadar Airport opening hours per each hour. Four (4) hours is the maximum to be charged. Minimal unit rate is 30 min.
- 200 EUR for all flights arriving without approved PPR.

Charges shall be only simultaneously increased for a maximum of 50%.

GEN 4.1.8.3.9 ZAGREB/Franjo Tuđman Airport

Nil

GEN 4.1.8.4 Cargo

See 2. Handling charges

GEN 4.1.9. METHODS OF PAYMENT

GEN 4.1.9.1 BRAČ/Brač I. Aerodrome

Invoicing and charges collection from the services in air traffic is made in accordance with signed contracts or immediately prior to take-off in cash or credit cards (Visa, Diners and Master card).

GEN 4.1.9.2 DUBROVNIK/Rudjer Boskovic Airport

Calculation and charge of services rendered to regular air carriers are performed in accordance with signed contracts. The air carriers, who did not sign a contract with Dubrovnik Airport Ltd. for providing airport services, shall pay for rendered services prior to take off. Charge of services provided to air carriers from item shall be performed in debit or credit cards officially accepted by Dubrovnik Airport Ltd.

GEN 4.1.9.3 LOŠINJ/Lošinj I. Aerodrome

Prices do not include V.A.T.

GEN 4.1.9.4 OSIJEK/Klisa Airport

Air carriers who do not have a contract with Osijek Airport Ltd., shall pay for rendered services prior to take-off.

Charge of services rendered to air carriers shall be performed as follows:

- in cash
- transaction account
- American Express
- Diners
- Maestro
- Master Card
- VISA

Value Added Tax (VAT) is not included in the listed prices.

GEN 4.1.9.5 PULA/Pula Airport

Nil

GEN 4.1.9.6 RIJEKA/Krk I. Airport

The calculation and invoicing of airport services to the carriers are to be made in accordance with the company's business policy. Calculation and charge of services, the user shall pay for rendered services prior to take-off. Charge of services shall be performed as follows:

- in cash
- credit and debit cards
- by transaction on the account according to sent preliminary invoice.

For advanced payments Rijeka Airport Management can approve extra discount up to 20% on total amount of demanded services.
Rijeka Airport Management can approve user's written demand for payment after take-off according invoice with due date no longer than 30 days.
Users, who have a contract with Rijeka/Krk I. Airport, shall pay for rendered services in accordance with signed contracts.

Value Added Tax (VAT) is not included in the Price List. Air carriers that are not exempt from paymet of VAT in accordance with Respective rules and regulations, will be charged at VAT rate prescribed by law.
Rijeka/Krk I. Airport has right to inspect Air Operator Certificate (AOC) in order to determine for which type of transport is the air carrier registered.

Calculation and charge of rendered services can be performed in any currency in the following way: the price quoted in EUR is to be calculated into preferred currency in accordance with the invoice issuance.

For delayed payments, interest will be added to the debtor in a ccordance with the law. All disputes between the users of airport services and the Rijeka Airport regarding charges and changes of the Tariff and General Business Conditions will be submitted to the court in Rijeka.

Rijeka/Krk I. Airport may require payment security instrument from the user of services.

Special services rendered to aircraft shall be charged to air carrier in accordance with prices from Price list of services on special request.

GEN 4.1.9.7 SPLIT/Saint Jerome Airport

Calculation and charge of services rendered to regular air carriers are performed in accordance with signed contracts.

Air carriers who do not have a contract with Split Airport Ltd., shall pay for rendered services prior to take-off

Charge of services rendered to air carriers shall be performed as follows:

- in cash
- Diners
- Master Card
- VISA.

Value Added Tax (VAT) is not included in prices quoted in the Price List.

Air carriers that are not exempt from payment of Value Added Tax (VAT) in accordance with respective rules and regulations will be charged at VAT rate prescribed by law.

Calculation and charge of rendered services can be performed in any hard currency in the following way: the prices quoted in EUR are to be converted into preferred currency in accordance with the official exchange rate of Croatian National Bank (Hrvatska narodna banka) on the date of the invoice issuance.

Calculation and charge of rendered services to Air Carriers with non-resident status shall be determined by Annex B.

GEN 4.1.9.8 ZADAR/Zemunik Airport

Invoicing and collection of the charges for services provided to scheduled airlines is made in accordance with signed contracts.

Charges for services rendered to non-scheduled carriers are collected, prior to take off:

- in cash
- Diners
- Master Card
- VISA
- Air Routing
- Multiservice credit card

GEN 4.1.9.9 ZAGREB/Franjo Tuđman Airport

Invoicing charges collection of the services rendered to scheduled airlines is made in accordance with signed contracts.

Services rendered to non-scheduled carriers are collected prior to take-off:

- in cash
- American Express
- Master Card
- Diners
- VISA
- AIR ROUTING
- Multiservice
- cheques (Captain’s, Traveller’s, Euro)

Value Added Tax (VAT) will be calculated in accordance with VAT Law and Ordinance on Value Added Tax in effect.

Calculation and collection of used facilities and services rendered may be executed in EUR.
For delays in payment of used facilities and services rendered the debtor will be charged legal interest, in accordance with maximum interest rate ruled by valid national legal act.
Zagreb International Airport Jsc. has right to request payment security instrument from the user of airport facilities and services based on traffic forecast (announced by service user) and anticipated risk (by Zagreb International Airport Jsc.). In case of any disputes between users of airport facilities and services and Zagreb International Airport Jsc. with reference to interpretation and practical implementation of this Price List of Airport Regulated Charges - the court in Zagreb will be competent.
In case of an emergency event, all special facilities and services provided by Zagreb International Airport Jsc. to aircraft operator will be calculated on the basis of actual costs increased by 10% of manipulative costs.
Throughout the concession period Zagreb International Airport Jsc. retains the right to adjust the Price List of Airport Regulated Charges based on **inflation/deflation** in accordance with articles 6.5 and 6.9 of the Concession Agreement relating to the Construction and Operation of the ZAGREB/Franjo Tuđman Airport between the Republic of Croatia and ZAIC A-Limited as of 11 April 2012.

ENR 0.6 TABLE OF CONTENTS TO PART 2

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ENR 1.6 ATS SURVEILLANCE SERVICES AND PROCEDURES

ENR 1.6.1 RADAR SERVICES

ENR 1.6.1.1 Supplementary service

ENR 1.6.1.1.1. A radar unit normally operates as an integral part of the parent' ATS unit and provides radar service to aircraft, to the maximum extent practicable, to meet the operational requirement. Many factors, such as radar coverage, controller workload and equipment capabilities, may affect these services, and the radar controller shall determine the practicability of providing or continuing to provide radar services in any specific case.

In normal conditions, Surveillance service is provided above airspace Class G (1000 FT AGL).

Air traffic services by use of radar are provided in accordance with the procedures in ICAO Doc 4444, Chapter 8 and Doc 7030 by Zagreb Area Control, Zagreb Approach Control, Pula Approach Control, Split Approach Control, Dubrovnik Approach Control and Zadar Approach Control, using the following radar stations and WAM (Wide Area Multilateration) system:

a. MSSR, PSR - station at Pleso
position: 454505.90N 0160436.04E;
PSR range: 80 NM;
MSSR range: 200 NM.

b. MSSR - station at Kozjak
position: 433415.69N 0162421.81E; range: 200 NM

c. MSSR - station at Psunj
position: 452252.19N 0172002.46E; range: 200 NM

d. MSSR- station at Monte Kope
position: 444848.58N 0135212.89E; range: 200 NM

e. MSSR- station at Konavle
position: 422956.62N 0182308.73E; range: 200 NM

f. WAM North - covering ACC airspace shown on graphic portrayal in ENR 1.6.1.3., above FL200

g. WAM West - covering ACC airspace shown on graphic portrayal in ENR 1.6.1.3., above TMA Pula, Zadar and Split

h. WAM South - covering ACC airspace shown on graphic portrayal in ENR 1.6.1.3, above TMA Zadar, Split and Dubrovnik.

i. WAM Zagreb - covering TMA Zagreb airspace, TMA Osijek airspace and the airspace above TMA Osijek up to FL220

j. WAM Pula - covering TMA Pula airspace

k. WAM Zadar - covering TMA Zadar airspace

l. WAM Split - covering TMA Split airspace

m. WAM Dubrovnik - covering TMA Dubrovnik airspace

The radar separation minima shall be as follows:

a. Zagreb Area Control - 5 NM

b. Dubrovnik Approach Control - 5 NM

c. Split Approach Control - 5 NM

d. Zadar Approach Control - 5 NM

e. Zagreb Approach Control - 5 NM

f. Pula Approach Control - 5 NM

ENR 1.6.1.2 Radar and radio failure procedures

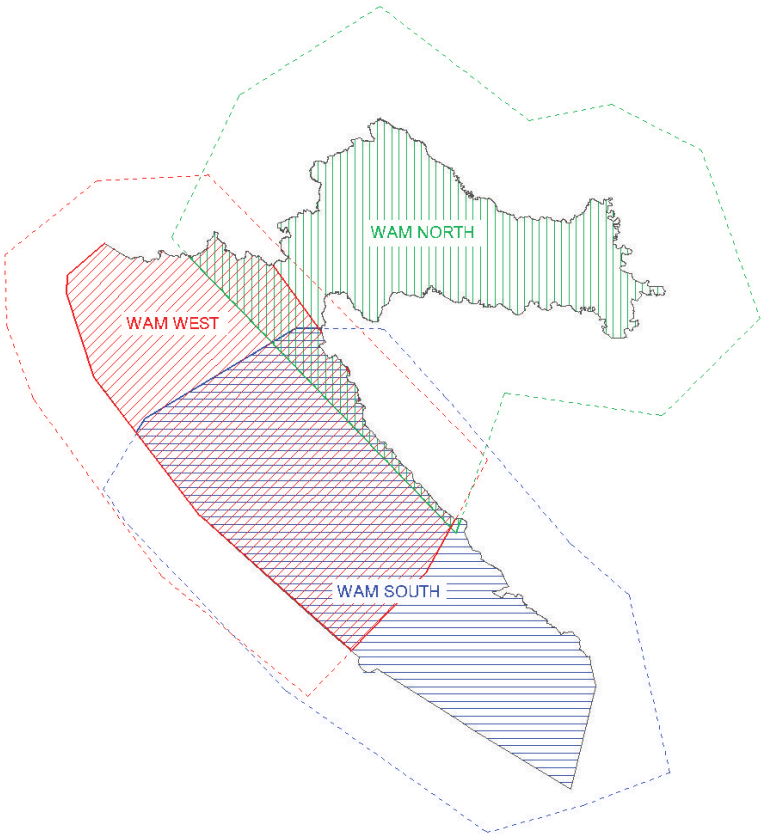
ENR 1.6.1.2.1 Radar failure

In the event of radar failure or loss of radar identification, instructions will be issued to restore non-radar standard separation.

ENR 1.6.1.2.2 Radio failure

If the aircraft's radio is completely unserviceable, the pilot should carry out the procedures for radio failure in accordance with provisions from Regulations on Rules of the Air and ATS. If radar identification has already been established, the radar controller will vector other identified aircraft clear of its track until such time as the aircraft leaves radar cover.

ENR 1.6.1.3 Graphic portrayal of area of radar coverage



Graphic portrayal of WAM North, WAM West, WAM South

ENR 1.6.1.4 A-SMGCS

The aerodrome control unit is mainly based on the determination of the aircraft and vehicle position on the manoeuvring area by visual observation of traffic and/or position reports.
The information shown on A-SMGCS display may be used to augment visual observation of traffic on the manoeuvring area and to provide surveillance of traffic on those parts of manoeuvring area which cannot be observed visually due to obstacle/visibility conditions. Radar separation is not provided.

The information displayed may be used to assist in:

- traffic monitoring on the manoeuvring area for compliance with clearances and instructions,
- determining that RWY is clear prior to landing/take off,
- providing essential local traffic information on/near the manoeuvring area,
- determining the location of aircraft/vehicle on the manoeuvring area,
- providing aircraft with directional taxi information when requested by flight crew or deemed necessary by air traffic controller (LVP),
- provide assistance to emergency vehicles,
- provide directional information and assistance to vehicle drivers on/near manoeuvring area in determining their position.

ENR 1.6.2 SECONDARY SURVEILLANCE RADAR (SSR)

ENR 1.6.2.1 Emergency procedures

ENR 1.6.2.1.1 In emergency situations, the pilot shall maintain the last assigned code, unless otherwise instructed.

ENR 1.6.2.1.2 In addition to ENR 1.6.2.1.1, the pilot may select Mode A, Code 7700, whenever he believes that would be the best coarse of action, in view of the nature of the situation.

ENR 1.6.2.1.3 A pilot experiencing the radio communication failure shall operate the SSR transponder to Mode A, Code 7600 and take actions prescribed for such a situation.

ENR 1.6.2.1.4 The pilot of an aircraft being subject to unlawful interference, shall endavor to set Mode A, Code 7500, to give the indication of the situation, unless circumstances justify the use of Code 7700. The pilot of an aircraft being intercepted by a military aircraft may apply the procedure in accordance with ENR 1.6.2.1.1, if he believes that it would be appropriate in view of the circumstances of the individual case.

ENR 1.6.2.1.5 When SSR transponder operates incorrectly on Mode C, the pilot shall, unless otherwise instructed, immediately inform ATC unit concerned and switch off altitude reporting and transmit the framing pulses of the Mode C response. Alternately, he shall switch off completely Mode C if the design of the SSR transponder does not permit procedures stated above and maintain the Mode A transmission.

If the design of the SSR transponder does not permit Modes A and C being switched off separately, the SSR transponder shall not be switched off without explicit instruction by ATC, to ensure continuous transmission of identification and position information via Mode A.

When entering the area of responsibility of an ATC unit, the pilot shall maintain undertaken measures and inform the ATC accordingly.

***Note**: Mode A/C, Codes 7500, 7600 and 7700 are permanently monitored in the Zagreb FIR/UIR.*

ENR 1.6.2.2 System of SSR Code assignment

NIL

ENR 1.6.3 AUTOMATIC DEPENDENT SURVEILLANCE - BROADCAST (ADS-B)

NIL

ENR 1.6.4 OTHER RELEVANT INFORMATION AND PROCEDURES

NIL

Airspace users may use any significant FRA point published in ENR 4.1 and ENR 4.4, or unpublished point defined by geographical coordinates as described in item 1.10.6.3.4, for indicating changes of level and speed.

Usage of bearing and distance from a significant point or radio navigation aid as FRA Intermediate Point (I) is not allowed in SECSI FRA.

Route portions between unpublished points defined by geographical coordinates, as well as to/from significant points or radio navigation aids shall be indicated by means of “DCT” in accordance with ICAO Doc 4444 Appendix 2 “Flight Plan, Item 15”.

ENR 1.10.6.3.2 Cross border application

Inside SECSI FRA, the crossing of FIR borders as well as the crossing of the Area of Responsibility (AoR) boundary between the involved ATS units is basically allowed without the usage of FRA Intermediate Points (I) published along the boundaries, except otherwise specified in RAD. Except for DCT segments published in RAD Appendix 4, ATS Routes and SID-s/STAR-s:

- entry to and exit from SECSI FRA shall be planned using the published FRA Horizontal Entry (E) and FRA Horizontal Exit (X) Points only;
- the planning of DCT segments that are partially outside the lateral limits of SECSI FRA (re-entry segments) is only allowed by using FRA Horizontal Entry (E) and FRA Horizontal Exit (X) Points.

DFS (Deutsche Flugsicherung GmbH) FRA Cell EDUU East - SECSI FRA

- Cross-border FRA operations are allowed above FL315 during the period 2230 – 0500 (2130 – 0400).
- During cross-border FRA operations all boundary FRA intermediate points are not mandatory for flight planning.
- During cross-border FRA operations the use of unpublished points, defined by geographical coordinates or by bearing and distance within SECSI FRA is not allowed.

FRAIT (Free Route Airspace Italy)- SECSI FRA

- Cross-border FRA operations between FRAIT and SECSI FRA are allowed (FRAIT lower limit is FL195)
- FRA Boundary intermediate points are not mandatory for flight planning

ENR 1.10.6.3.3 Determination of Lowest Available Level (LAL) within SECSI FRA

For determination of lowest available level within those parts of the SECSI FRA where Free Route operations are eligible from ground to FL 660 (i.e. AoRs of ACC/APP Ljubljana and ACC/APP Wien and the local APP units of LOWL, LOWS, LOWI, LOWK and LOWG), see AIP Austria and AIP Slovenia, ENR 6.8. The published values correspond to the lowest available level within controlled airspace ensuring obstacle clearance.
Flight plan filing, according to SECSI FRA flight planning rules below these minima will cause a reject message by IFPS.

ENR 1.10.6.3.4 Use of geographical coordinates in Field 15

Unpublished points defined by geographical coordinates shall in general only be inserted along the direct trajectory between two FRA relevant points (E/X/I/A/D) to indicate changes of level and speed.

ENR 1.10.6.3.5 Overflying traffic

Overflying traffic are all flights whose aerodromes of departure and destination are located outside SECSI FRA. Overflying traffic may be planned directly from any FRA Horizontal Entry Point (E) to any FRA Horizontal Exit Point (X) and via published and unpublished FRA Intermediate Points (I) as specified in the AIP-s of the States involved in SECSI FRA and RAD.

ENR 1.10.6.3.6 Access to FRA for departing traffic

Departing traffic are flights whose departure aerodrome is located inside the lateral limits of SECSI FRA.

Depending on the aerodrome, there are different requirements on flight planning for departing traffic. FRA flight plan filing shall be started from:

- a FRA Departure Connecting Point (D) or;
- a specific FRA Intermediate Point (I) linked to an aerodrome according to RAD or;
- if no SID is available or there is no requirement for a connecting point, any FRA relevant point within a required distance from the aerodrome, according to RAD, can be used.

ENR 1.10.6.3.7 Access to FRA for arriving traffic

Arriving traffic are flights whose aerodrome of destination is located inside the lateral limits of SECSI FRA.

Depending on the aerodrome, there are different requirements on flight planning for arriving traffic. FRA flight plan filing shall be finished:

- at a FRA Arrival Connecting Point (A) or;
- at a specific FRA Intermediate Point (I) linked to an aerodrome according to RAD or;
- if no STAR is available or there is no requirement for a connecting point, at any FRA relevant Point within a required distance from the aerodrome, according to RAD, can be used.

AD 0.6 TABLE OF CONTENTS TO PART 3

LDLO - AERODROME LOŠINJ/Lošinj I.

LDOS - AIRPORT OSIJEK / Klisa

LDPL - AIRPORT PULA / Pula

LDZA - AIRPORT ZAGREB / Franjo Tudjman

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-treshold 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 LI Type B/red	NIL

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
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 LI Type B/red	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_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
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

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_99	TREE	423311.18N 0181707.51E	500 FT / NIL	No No	NIL

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 LI Type B/red	NIL
LDDU2021_2C3_0721_3281	POLE	423329.64N 0181608.70E	577 FT / NIL	Yes LI Type B/red	NIL
LDDU2021_2C_0721_3282	TREE	423333.28N 0181551.97E	552 FT / NIL	No No	NIL
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 LI Type B/red	NIL
LDDU2021_2C3_0721_3285	BUILDING	423335.64N 0181547.72E	604 FT / NIL	Yes LI 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_2C3_0721_3286	POLE	423337.16N 0181548.50E	582 FT / NIL	Yes LI Type B/red	NIL
LDDU2021_2C3_0721_3287	POLE	423338.19N 0181546.18E	577 FT / NIL	Yes LI Type B/red	NIL
LDDU2021_2C3_0721_3288	POLE	423338.82N 0181544.27E	578 FT / NIL	Yes LI Type B/red	NIL
LDDU2021_2C_0721_3289	POLE	423338.79N 0181530.74E	584 FT / NIL	Yes LI Type B/red	NIL
LDDU2021_2C_0721_3290	POLE	423346.50N 0181524.84E	588 FT / NIL	Yes LI Type B/red	NIL
LDDU2021_2C_0721_3291	POLE	423345.35N 0181527.57E	586 FT / NIL	Yes LI 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 LI 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 LI 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 LI Type B/red	NIL
LDDU2021_2C3_0721_3299	POLE	423332.63N 0181558.50E	587 FT / NIL	Yes LI Type B/red	NIL
LDDU2021_2C3_0721_3300	POLE	423331.55N 0181601.24E	587 FT / NIL	Yes LI Type B/red	NIL
LDDU2021_2C_0721_3301	POLE	423328.33N 0181609.74E	583 FT / NIL	Yes LI Type B/red	NIL
LDDU2021_2C_0721_3302	POLE	423344.06N 0181530.88E	585 FT / NIL	Yes LI Type B/red	NIL
LDDU2021_2C3_0721_3303	POLE	423339.63N 0181542.53E	577 FT / NIL	Yes LI Type B/red	NIL
LDDU2021_2C_0721_3304	POLE	423327.13N 0181612.73E	582 FT / NIL	Yes LI Type B/red	NIL
LDDU2021_2C_0721_3305	POLE	423325.89N 0181615.83E	580 FT / NIL	Yes LI Type B/red	NIL
LDDU2021_2C_0721_3306	POLE	423340.29N 0181526.03E	586 FT / NIL	Yes LI Type B/red	NIL
LDDU2021_2C_0721_3307	POLE	423342.30N 0181521.75E	587 FT / NIL	Yes LI 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_2C3_0721_3308	POLE	423340.68N 0181539.59E	577 FT / NIL	Yes LI Type B/red	NIL
LDDU2021_2C_0721_3309	POLE	423341.63N 0181535.73E	581 FT / NIL	Yes LI Type B/red	NIL
LDDU2021_2C_0721_3310	POLE	423340.86N 0181532.25E	584 FT / NIL	Yes LI Type B/red	NIL
LDDU2021_2C_0721_3311	POLE	423342.91 N 0181533.79E	585 FT / NIL	Yes LI Type B/red	NIL
LDDU2021_2C_0721_3312	POLE	423344.41N 0181523.33E	588 FT / NIL	Yes LI Type B/red	NIL
LDDU2021_2C_0721_3313	TREE	423312.27N 0181657.47E	567 FT / NIL	No No	NIL

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
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

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_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
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

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_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
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

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_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
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

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_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
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

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_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
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

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_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
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

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_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	Selfbriefing (URL: https://ib.crocontrol.hr) or by phone: +385 1 6259224, +385 17819201
6	Flight documentation Language(s) used	• Selfbriefing (URL: https://ib.crocontrol.hr) or request by phone: +385 20 447766, +385 20 737704 • Croatian, English
7	Charts and other information available for briefing or consultation	• ICE, TURB and CB forecasts • Lightning data • Satelite images • Radar images
8	Supplementary equipment available for providing information	URL:https://met.crocontrol.hr
9	ATS units provided with information	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 2.20 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-manoeuvring 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)

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

SID RWY 11 (Preferential RWY)				
Designator	**Route**	**After take off**		**Remarks**
		Climb initially	**Contact**	
AMUGO4C	**AMUGO FOUR CHARLIE DEPARTURE** Climb straight ahead. At GR L (2.1 DME DBK) turn RIGHT, on track 275°. Cross R-218 DBK, turn LEFT, intercept R-227 DBK. At LOKRU (19.6 DME DBK) turn RIGHT, intercept R-131 SPL, climbing to AMUGO.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ.	
AMUGO2E	**AMUGO TWO ECHO DEPARTURE** Climb straight ahead. At GR L (2.1 DME DBK) turn RIGHT, on track 275°. After crossing QDR 198° CV L follow ATC RADAR vector to AMUGO.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ.	Cross QDR 198° CV L at or above 5000ft.
AMUGO2F	**AMUGO TWO FOXTROT DEPARTURE** Climb straight ahead. At GR L (2.1 DME DBK) turn RIGHT, on bearing QDR 177° GR L. At 11.0 DME DBK turn RIGHT and follow ATC RADAR vector to AMUGO.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ.	Cross 11.0 DME DBK at or above 6000ft.

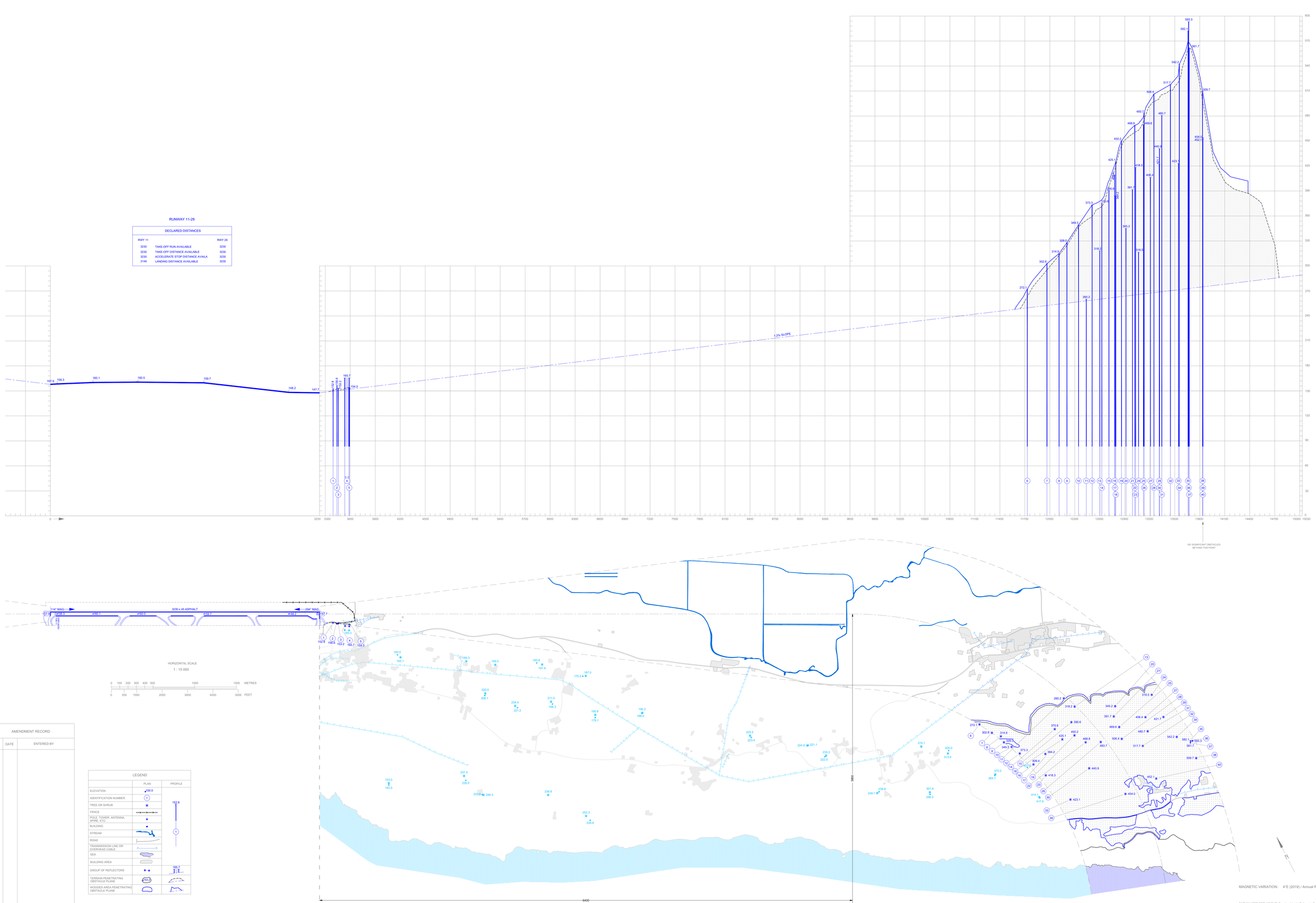
AERODROME OBSTACLE CHART - ICAO
TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN METRES

DUBROVNIK / Ruđer Bošković
CROATIA
RWY 11

RUNWAY 11-29

DECLARED DISTANCES		
RWY 11		RWY 29
3230	TAKE-OFF RUN AVAILABLE	3230
3230	TAKE-OFF DISTANCE AVAILABLE	3230
3230	ACCELERATE STOP DISTANCE AVAILA	3230
3149	LANDING DISTANCE AVAILABLE	3230



AMENDMENT RECORD		
NO.	DATE	ENTERED BY

LEGEND	PLAN	PROFILE
ELEVATION	290.0	
IDENTIFICATION NUMBER	1	
TREE OR SHRUB		
FENCE		
POLE, TOWER, ANTENNA, SPIRE, ETC.		
BUILDING		
STREAM		
ROAD		
TRANSMISSION LINE OR OVERHEAD CABLE		
SEA		
BUILDING AREA		
GROUP OF REFLECTORS		
TERRAIN PENETRATING OBSTACLE PLANE	153.2	
WOODED AREA PENETRATING OBSTACLE PLANE		

MAGNETIC VARIATION: 4°E (2019) / Annual Rate of Change 0.13°E

DATUM USED FOR HEIGHT: Croatian Height Referents System HVRS1875

ORDER OF ACCURACY (95% confidence level):
HORIZONTAL: ±0.06 M per E and ±0.07 M per N
VERTICAL: ±0.14 M

CHANGE: Aerodrome Name, Removed two Obstacles, Renumbering Obstacles, RWY CL Elevations, Profile View – Grid Updated, Editorial, ADDED: Four new Obstacles.

Date of survey: Obstacles from 6 to 40, November 2018
Obstacles from 1 to 5, December 2023

SURVEYED AND PRODUCED BY: GISplan d.o.o., 07 2024

3	Transportation possibilities	Airport shuttle van MAX 8 PAX
4	Medical facilities	First aid at AD, hospital in the city
5	Bank and Post Office	In the city
6	Tourist Office	In the city
7	Remarks	Nil

LDLO AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 2
2	Rescue equipment	1 fire fighting vehicle Mercedes 1124 AF 3 500 L water, 300 L foam, 80 KG powder 1 Commanding vehicle Ford Ranger
3	Capability for removal of disabled aircraft	On request in cooperation with external companies Phone: +385 51 231 666 Fax: +385 51 235 148 Email: info@airportmalilosinj.hr
	Remarks	NIL

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

1	Types of clearing equipment	NIL
2	Clearance priorities	NIL
3	Use of material for movement area surface treatment	NIL
4	Specially prepared winter runways	NIL
5	Remarks	Global reporting format – GRF in use

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

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

LDLO AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	aircraft stand markings, Marshaller
2	RWY and TWY markings and LGT	RWY-02/20: THR, Centre line TWY A centre lines, taxi-holding positions TWY B centre lines, taxi-holding positions
3	Stop bars	Nil
4	Remarks	Nil

LDLO AD 2.10 AERODROME OBSTACLES

Obstacles in Area 2:
NIL
Detailed description of obstacles that penetrate the obstacle limitation surfaces currently not available.
Detailed description of obstacles that penetrate the take-off flight path area obstacle identification surface currently not available.

Obstacles assessed as being hazardous to air navigation					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Markings/ Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
LDLO_02_CI_1	Tree	443416.87N 0142338.82E	184 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_2	Tree	443416.89N 0142339.98E	185 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_3	Tree	443417.70N 0142338.79E	179 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_4	Tree	443415.19N 0142348.02E	167 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_5	Tree	443414.59N 0142350.51E	170 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_6	Tree	443416.93N 0142342.30E	169 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_7	Tree	443417.72N 0142339.95E	185 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_8	Tree	443417.00N 0142343.20E	168 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_9	Tree	443414.62N 0142351.67E	169 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_10	Tree	443416.95N 0142343.46E	169 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_11	Tree	443415.40N 0142349.32E	169 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_12	Tree	443417.74N 0142341.11E	176 FT/NIL	NIL	Close-in obstacle

Obstacles assessed as being hazardous to air navigation					
OBST ID/ Designation	OBST type	OBST position	ELEV/HGT	Markings/ Type, colour, lighting (LGT)	Remarks
a	b	c	d	e	f
LDLO_02_CI_13	Tree	443415.42N 0142350.48E	169 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_14	Tree	443418.55N 0142339.92E	179 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_15	Tree	443418.57N 0142341.08E	182 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_16	Tree	443425.56N 0142337.79E	197 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_17	Tree	443425.64N 0142342.43E	195 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_18	Tree	443432.27N 0142342.19E	214 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_19	Tree	443432.36N 0142346.83E	217 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_20	Tree	443432.45N 0142351.47E	217 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_21	Tree	443435.59N 0142342.07E	243 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_22	Tree	443435.68N 0142346.71E	244 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_23	Tree	443435.76N 0142351.35E	248 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_24	Tree	443438.91N 0142341.95E	267 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_25	Tree	443435.85N 0142355.99E	236 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_26	Tree	443438.99N 0142346.59E	252 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_27	Tree	443435.93N 0142400.62E	234 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_28	Tree	443439.08N 0142351.23E	259 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_29	Tree	443442.22N 0142341.83E	267 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_30	Tree	443439.16N 0142355.87E	264 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_31	Tree	443442.31N 0142346.47E	265 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_32	Tree	443442.39N 0142351.11E	278 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_33	Tree	443445.54N 0142341.71E	267 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_34	Tree	443442.48N 0142355.75E	274 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_35	Tree	443445.71N 0142350.99E	271 FT/NIL	NIL	Close-in obstacle
LDLO_02_CI_36	Tree	443445.79N 0142355.63E	276 FT/NIL	NIL	Close-in obstacle

Area 2 data set for the aerodrome currently not available.

Obstacles in Area 3:
NIL

LDLO AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	LOŠINJ
2	Hours of service MET Office outside hours	During ATS operating hours PULA
3	Office responsible for TAF preparation Periods of validity	MWO ZAGREB TAF (24HR) - covering ATS operating hours
4	Trend Forecast Interval of issuance	Nil
5	Briefing/consultation provided	Selfbriefing (URL: https://ib.crocontrol.hr) or by phone: +385 52 372521, +385 52 552506
6	Flight documentation Language(s) used	• Selfbriefing (URL: https://ib.crocontrol.hr) or request by phone: +385 52 372520, +385 52 552505 • 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	Lošinj TWR, Pula APP
10	Additional information (limitation of service, etc.)	NIL

LDOS AD 2.10 AERODROME OBSTACLES

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

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

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

Obstacles in Area 3:
NIL

LDOS AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	OSIJEK
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	MWO ZAGREB TAF (24HR)
4	Trend Forecast Interval of issuance	NIL
5	Briefing/consultation provided	Selfbriefing (URL: https://ib.crocontrol.hr) or by phone: +385 1 6259 240, +385 1 7819205
6	Flight documentation Language(s) used	• Selfbriefing (URL: https://ib.crocontrol.hr) or request by phone: +385 31 226 803, +385 31 736800 • Croatian, English
7	Charts and other information available for briefing or consultation	• ICE, TURB and CB forecasts • Lightning data • Satelite images • Radar images
8	Supplementary equipment available for providing information	URL:https://met.crocontrol.hr
9	ATS units provided with information	Osijek TWR, Osijek APP
10	Additional information (limitation of service, etc.)	NIL

LDOS AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

RWY Designations	**TRUE BRG**	Dimensions of **RWY** (**M**)	Strength (**PCN**) and surface of **RWY** and **SWY**	**THR COORD RWY** End **COORD THR** Geoid Undulation	**THR** elevation and highest elevation of **TDZ** of precision **APP RWY**
1	**2**	**3**	**4**	**5**	**6**
11	110.52°	2500 x 45 M	PCN 82/F/B/W/T ASPH	452758.68N 0184746.96E 452730.26N 0184934.68E 144.0 FT	THR 291 FT TDZ 289 FT
29	290.54°			452730.26N 0184934.67E 452758.68N 0184746.95E 144.0 FT	THR 290 FT TDZ 289 FT

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

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

LDOS AD 2.13 DECLARED DISTANCES

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

6	Remarks	TWY shoulders: Width: 7.5 M Surface: grass On TWY curves and intersections judgemental oversteering method required for ACFT with wheelbase greater than 18.59 M.

LDPL AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

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

LDPL AD 2.10 AERODROME OBSTACLES

Obstacles in Area 2:

Area 2A					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV / HGT**	**Markings/ Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
NIL	NIL	NIL	NIL	NIL	NIL

See LDPL AD 2.24.4 AOC RWY 09/27 -1
Obstacles in Area 2B, 2C and 2D data currently not available.
Detailed description of obstacles that penetrate the obstacle limitation surfaces currently not available.
Detailed description of obstacles that penetrate the take-off flight path area obstacle identification surface currently not available.
Detailed description of obstacles assessed as being hazardous to air navigation currently not available.

Obstacles in Area 3: NIL

LDPL AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	PULA
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	MWO ZAGREB TAF (24HR)
4	Trend Forecast Interval of issuance	TREND 30 MIN
5	Briefing/consultation provided	Selfbriefing (URL: https://ib.crocontrol.hr) or by phone: +385 52 372521, +385 52 552506
6	Flight documentation Language(s) used	• Selfbriefing (URL: https://ib.crocontrol.hr) or request by phone: +385 52 372520, +385 52 552505 • Croatian, English
7	Charts and other information available for briefing or consultation	• ICE, TURB and CB forecasts • Lightning data • Satelite images • Radar images
8	Supplementary equipment available for providing information	URL:https://met.crocontrol.hr
9	ATS units provided with information	Pula TWR, Pula APP
10	Additional information (limitation of service, etc.)	NIL

LDRI AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 10 See remarks.
2	Rescue equipment	2 heavy fire fighting vehicles Volvo FMX, 9000 L water, 1500 L foam, 250 KG powder. 1 heavy fire fighting vehicle Mercedes Actros, 7000 L water, 1500 L foam, 750 KG powder. 1 heavy fire fighting vehicle Mercedes 2636, 10 000 L water, 200 L foam, 250 KG powder. 1 command vehicle Nissan Pick Up with equipment for technical rescue.
3	Capability for removal of disabled aircraft	On request; in cooperation with external companies.
4	Remarks	From 01 JAN to 31 DEC - CAT 3. Up to CAT 10 available on request by prior notice (3 hours). During AD HR SER via: SITA: RJKAPXH; Email: operations@rijeka-airport.hr Outside AD HR SER via: Mobile phone: +385 99 267 5581, +385 99 525 8910, +385 99 545 9069, +385 99 265 5655.

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

1	Types of clearing equipment	NIL
2	Clearance priorities	NIL
3	Use of material for movement area surface treatment	NIL
4	Specially prepared winter runways	NIL
5	Remarks	It is proceeded in accordance with GRF. REF AD 1.2.2 for additional information.

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

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

LDRI AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Guide lines at apron. Nose-in guidance at aircraft stands. Follow-me vehicle, Marshaller - obligatory guidance to/from parking stand from/to TWY A and B. Edge lights at Apron.Edge lights at Apron.
2	RWY and TWY markings and LGT	RWY-14/32: Designator, THR, Centre line, edges, TDZ, Runway turn pad marking TWY A Centre line, holding positions, edge lights, edge lights TWY B Centre line, holding positions, edge lights, edge lights
3	Stop bars	Nil
4	Remarks	Nil

LDRI AD 2.10 AERODROME OBSTACLES

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

RWY 32					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV / HGT**	**Markings/ Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
NIL	POLE	451236.83N 0143443.99E	293FT (89M) /NIL	ICAO marked and lighted	Frangible anemometer mast

Other, LDRI AD 2.24.4 AOC RWY 14/32 -1
Area 2 data set for the aerodrome currently not available.

Obstacle in Area 3:

RWY 14					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV / HGT**	**Markings/ Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
NIL	POLE	451321.78N 0143345.06E	308FT (94M) /NIL	ICAO marked and lighted	Frangible anemometer mast

LDRI AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	RIJEKA
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	MWO ZAGREB TAF (24HR)
4	Trend Forecast Interval of issuance	Nil
5	Briefing/consultation provided	Selfbriefing (URL: https://ib.crocontrol.hr) or by phone: +385 52 372521, +385 52 552506
6	Flight documentation Language(s) used	• Selfbriefing (URL: https://ib.crocontrol.hr) or request by phone.: +385 51 654841, +385 51 734803 • Croatian, English
7	Charts and other information available for briefing or consultation	• ICE, TURB and CB forecasts • Lightning data • Satelite images • Radar images
8	Supplementary equipment available for providing information	URL: https://met.crocontrol.hr
9	ATS units provided with information	Rijeka TWR, Pula APP
10	Additional information (limitation of service, etc.)	NIL

LDRI 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
14	143.68°	2500 x 45	120 M, CONC, PCN 45/R/A/X/T 2260 M, ASPH, PCN 76/F/B/W/T 120 M, CONC, PCN 45/R/A/X/T	451332.36N 0143341.16E Nil 145 FT	THR 264 FT TDZ 271 FT
32	323.69°			451227.41N 0143448.70E Nil 145 FT	THR 246 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
14	Slope of RWY 14: first quarter: +0.3 % second quarter: +0.3 % third quarter: -0.5 % fourth quarter: -1.1 %	Nil	Nil	2620 x 150	Length: 64 M Width: 90 M
32	Slope of RWY 32: first quarter: +1.1 % second quarter: +0.5 % third quarter: -0.3 % fourth quarter: -0.3 %	Nil	Nil		Length: 32 M Width: 90 M

RWY Designations	Location and description of arresting system	OFZ	Remarks
1	12	13	14
14	Nil	Nil	Nil
32	Nil	Nil	Nil

LDRI AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
14	2500	2500	2500	2500	Nil
	1790	1790	1790	Nil	Intersection TWY A
	1170	1170	1170	Nil	Intersection TWY B
32	2500	2500	2500	2500	Nil
	770	770	770	Nil	Intersection TWY A
	1390	1390	1390	Nil	Intersection TWY B

LDRI 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
14	SALS 420 M LIH	G	PAPI (53 FT) LEFT/3°	Nil	2500 M 15 M W VRB LIH	2500 M 60 M YCZ 600 M VRB W LIH	R	Nil	LED lights: APCH, THR and RCL

LDSB AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 6 See Remarks
2	Rescue equipment	1 Heavy fire fighting vehicle Simba FLF 14000, water 12500 L, foam 1500 L, 50 KG powder. 1 Heavy fire fighting vehicle Mercedes FLF 2632, water 7000 L, foam 1000 L, 18 KG powder. 1 Fire fighting vehicle Mercedes FLF 1328, water 3000 L, foam 300 L, 15 KG powder.
3	Capability for removal of disabled aircraft	NIL
4	Remarks	AD category for fire fighting during AD HR SER: summer period: MON - SUN: CAT 3 WED: 1400 - 1500 CAT 6 SAT: CAT 6 Winter period: MON - SUN: CAT 3 or upon NOTAM Higher fire fighting category (MAX CAT 6) O/R 24 HR PPR sent during AD HR SER (groundoperations@airport-brac.hr).

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

1	Types of clearing equipment	NIL
2	Clearance priorities	NIL
3	Use of material for movement area surface treatment	NIL
4	Specially prepared winter runways	NIL
5	Remarks	RWY surface inspection and report will be according to GRF regulation. REF AD 1.2.2 for additional information.

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

1	Apron surface and strength	**SURFACE**		**STRENGTH**	
		ASPH		PCN 37/F/B/X/T	
2	Designation, width, surface and strength of taxiways	**DESIGNATION**	**WIDTH (M)**	**SURFACE**	**STRENGTH**
		A	25.3	ASPH	PCN 37/F/B/X/T
3	ACL location and elevation	Location: 431717.01N 0164046.66E Elevation: 1736 FT			
4	Location of VOR checkpoints	NIL			
5	Position of INS checkpoints	See LDSB AD 2.24.2 APDC -1			

6	Remarks	NIL

LDSB AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Guide lines at Apron, Marshaller, aircraft stand markings, "Follow me" vehicle.
2	RWY and TWY markings and LGT	RWY-03/21: Designator, THR, Centre line, Edge, TDZ, Aiming point markings, Runway turn pad marking TWY A: Centre line, Holding position
3	Stop bars	Nil
4	Remarks	THR 03 RWY turn pad restriction: 180° turn not possible for ACFT wheel base more than 15.6 M, for ACFT wheel base more than 11.04 M turning angle more than 45°. PSNs 1-3 are self manoeuvring. When one ACFT is taxiing, taxiing for other ACFT is prohibited. TWR directions and marshaller guidance shall be followed for entering/exiting from any of ACFT PSNs and for ground taxiing or air taxiing of helicopters.

LDSB AD 2.10 AERODROME OBSTACLES

Obstacles in area 2:
See LDSB AD 2.24.4 AOC RWY 03/21 -1

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Markings/ Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
LDSB2017_AOC0321_1	NATURAL_HIGHPOINT	431642.41N 0164017.75E	1782 FT /NIL	NIL	NIL
LDSB2017_AOC0321_2	FENCE	431639.31N 0164019.14E	1789 FT /NIL	NIL	NIL
LDSB2017_AOC0321_3	NATURAL_HIGHPOINT	431632.53N 0164018.79E	1798 FT /NIL	NIL	NIL
LDSB2017_AOC0321_4	TREE	431632.33N 0164018.48E	1817 FT /NIL	NIL	NIL
LDSB2017_AOC0321_5	NATURAL_HIGHPOINT	431636.49N 0164009.50E	1804 FT /NIL	NIL	NIL
LDSB2017_AOC0321_6	TREE	431727.40N 0164109.00E	1719 FT /NIL	NIL	NIL
LDSB2017_AOC0321_7	NATURAL_HIGHPOINT	431731.06N 0164103.32E	1708 FT /NIL	NIL	NIL
LDSB2017_AOC0321_8	NATURAL_HIGHPOINT	431734.42N 0164105.76E	1708 FT /NIL	NIL	NIL
LDSB2024_2c_1	ANTENNA_MAST	431646.27N 0163713.10E	2712 FT / 156 FT	Yes Low-intensity Type B / Red	NIL

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

Obstacles in area 3:
NIL

LDSB AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	BRAČ
2	Hours of service MET Office outside hours	During ATS operating hours SPLIT
3	Office responsible for TAF preparation Periods of validity	MWO ZAGREB TAF (24HR) - covering ATS operating hours
4	Trend Forecast Interval of issuance	Nil
5	Briefing/consultation provided	Selfbriefing (URL: https://ib.crocontrol.hr) or by phone: +385 1 6259224, +385 1 7819201
6	Flight documentation Language(s) used	• Selfbriefing (URL: https://ib.crocontrol.hr) or request by phone: +385 21 205452, +385 21 295406 • Croatian, English
7	Charts and other information available for briefing or consultation	• ICE, TURB and CB forecasts • Lightning data • Satelite images • Radar images
8	Supplementary equipment available for providing information	URL:https://met.crocontrol.hr
9	ATS units provided with information	Brac TWR, Split APP
10	Additional information (limitation of service, etc.)	NIL

LDSB 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
03	035.09°	1760 x 30	PCN 37/F/B/X/T ASPH	431644.72N 0164024.04E* 431727.67N 0164105.34E 139.4 FT	THR 1779 FT displaced 140 M TDZ ELEV 1759 FT
21	215.09°			431726.09N 0164103.82E* 431641.02N 0164020.48E 139.4 FT	THR 1701 FT displaced 60 M TDZ ELEV 1730 FT

RWY Designations	Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	RESA dimensions (M)
1	7	8	9	10	11
03	Slope of RWY: -0.4% (0 - 440 M) -1.8% (440 - 1760 M)	Nil	Nil	1880 x 150	Length: 90 M Width: 60 M
21	Slope of RWY: 1.8% (0 - 1320 M) 0.4% (1320 - 1760 M)	Nil	Nil		Length: 90 M Width: 60 M

RWY Designations	Location and description of arresting system	OFZ	Remarks
1	12	13	14
03	Nil	Nil	* displaced THR coordinates
21	Nil	Nil	* displaced THR coordinates

LDSB AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
03	1760	1760	1760	1620	Nil
	562	562	Nil	Nil	Intersection TWY A
21	1760	1760	1760	1700	Nil
	1222	1222	Nil	Nil	Intersection TWY A

LDSP 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**
NIL	NIL	NIL	NIL	NIL	NIL

Obstacles in Area 2B, 2C and 2D data currently not available.
Detailed description of obstacles that penetrate the obstacle limitation surface currently not available.

Obstacles that penetrate the take-off flight path area obstacle identification surface

Obstacles penetrating take-off flight path area obstacle identification surface - RWY 05					
OBST ID/ Designation	**OBST Type**	**OBST position**	**ELEV / HGT**	**Markings/ Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
LDSP2007_AOC05_14a	ANTENNA	433251.59N 0161848.49E	91.9 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_14b	ANTENNA	433251.18N 0161848.97E	91.9 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_15	BUILDING	433255.26N 0161902.39E	105.0 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_16	BUILDING	433254.11N 0161903.74E	99.1 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_17	BUILDING	433257.06N 0161901.70E	109.9 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_18	BUILDING	433255.97N 0161904.43E	99.1 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_19	ANTENNA	433259.04N 0161902.84E	128.3 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_20	BUILDING	433254.70N 0161907.65E	95.5 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_21	BUILDING	433256.48N 0161907.93E	95.5 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_22	NATURAL_HIGHPOINT	433304.87N 0161859.68E	131.2 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_23	BUILDING	433307.48N 0161903.86E	141.4 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_24	BUILDING	433307.10N 0161906.02E	134.2 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_25	BUILDING	433306.89N 0161908.63E	121.4 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_26	BUILDING	433305.53N 0161914.07E	110.9 FT / NIL	NIL NIL	NIL

Obstacles penetrating take-off flight path area obstacle identification surface - RWY 05					
OBST ID/ Designation	**OBST Type**	**OBST position**	**ELEV / HGT**	**Markings/ Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
LDSP2007_AOC05_27	BUILDING	433307.22N 0161913.18E	122.0 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_28	BUILDING	433308.41N 0161916.58E	111.5 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_29	BUILDING	433309.57N 0161919.86E	114.8 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_30	BUILDING	433328.30N 0161933.66E	154.9 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_31	NATURAL_HIGHPOINT	433337.74N 0161952.11E	147.6 FT / NIL	No No	NIL
LDSP2007_AOC05_32	BUILDING	433338.62N 0161953.24E	177.5 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_33	BUILDING	433343.17N 0162005.80E	170.6 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_34	BUILDING	433343.38N 0162012.55E	173.2 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_35	BUILDING	433346.04N 0162015.08E	177.2 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_36	TRANSMISSION_LINE	433350.67N 0162027.23E	252.6 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_37	TRANSMISSION_LINE	433349.91N 0162028.07E	216.5 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_38	TRANSMISSION_LINE	433348.91N 0162034.81E	236.2 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_39	TRANSMISSION_LINE	433347.35N 0162041.67E	224.1 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_40	TRANSMISSION_LINE	433345.66N 0162048.95E	215.6 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_41	BUILDING	433354.38N 0162053.11E	258.9 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_42	TRANSMISSION_LINE	433343.98N 0162056.52E	210.6 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_43	BUILDING	433350.87N 0162055.32E	213.3 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_44	BUILDING	433355.67N 0162057.50E	269.4 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_45	BUILDING	433356.13N 0162107.83E	272.3 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_46	BUILDING	433356.69N 0162112.50E	279.5 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_47	BUILDING	433349.52N 0162117.22E	236.2 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_48	BUILDING	433354.51N 0162118.91E	259.8 FT / NIL	NIL NIL	NIL

Obstacles penetrating take-off flight path area obstacle identification surface - RWY 05					
OBST ID/ Designation	**OBST Type**	**OBST position**	**ELEV / HGT**	**Markings/ Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
LDSP2007_AOC05_49	BUILDING	433356.73N 0162125.20E	292.0 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_50	BUILDING	433355.03N 0162131.82E	295.6 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_51	NATURAL_HIGHPOINT	433357.47N 0162143.13E	367.5 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_52	BUILDING	433349.79N 0162148.93E	242.1 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_53	BUILDING	433349.38N 0162154.96E	298.6 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_54	BUILDING	433354.78N 0162157.33E	325.1 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_55	BUILDING	433350.09N 0162208.61E	301.8 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_56	BUILDING	433351.73N 0162218.81E	347.8 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_57	BUILDING	433347.50N 0162221.37E	312.3 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_58	BUILDING	433343.34N 0162253.40E	305.8 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_59	BUILDING	433337.24N 0162300.77E	305.1 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_60	BUILDING	433338.00N 0162310.10E	370.7 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_61	BUILDING	433335.68N 0162315.62E	361.5 FT / NIL	NIL NIL	NIL
LDSP2007_AOC05_62	BUILDING	433334.04N 0162319.72E	367.5 FT / NIL	NIL NIL	NIL

Obstacles penetrating take-off flight path area obstacle identification surface - RWY 23					
OBST ID/ Designation	**OBST Type**	**OBST position**	**ELEV / HGT**	**Markings/ Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
LDSP2007_AOC23_1	NATURAL_HIGHPOINT	433051.88N 0161545.08E	196.9 FT / NIL	No No	NIL
LDSP2007_AOC23_2	BUILDING	433051.73N 0161544.24E	205.7 FT / NIL	NIL NIL	NIL
LDSP2007_AOC23_3	NATURAL_HIGHPOINT	433040.84N 0161529.43E	295.3 FT / NIL	No No	NIL
LDSP2007_AOC23_4	TREE	433041.83N 0161526.37E	311.0 FT / NIL	No No	NIL
LDSP2007_AOC23_5	BUILDING	433042.34N 0161518.30E	230.3 FT / NIL	NIL NIL	NIL

Obstacles penetrating take-off flight path area obstacle identification surface - RWY 23					
OBST ID/ Designation	**OBST Type**	**OBST position**	**ELEV / HGT**	**Markings/ Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
LDSP2007_AOC23_6	CRANE	433042.69N 0161429.83E	242.8 FT / NIL	NIL NIL	NIL
LDSP2007_AOC23_7	NATURAL_HIGHPOINT	432927.06N 0161345.75E	353.0 FT / NIL	No No	NIL
LDSP2007_AOC23_8	TREE	432927.69N 0161341.70E	369.1 FT / NIL	No No	NIL
LDSP2007_AOC23_9	NATURAL_HIGHPOINT	432936.52N 0161326.62E	353.7 FT / NIL	No No	NIL
LDSP2007_AOC23_10	TREE	432928.89N 0161332.44E	362.9 FT / NIL	No No	NIL
LDSP2007_AOC23_11	TREE	432931.98N 0161256.38E	370.7 FT / NIL	No No	NIL
LDSP2007_AOC23_12	NATURAL_HIGHPOINT	432931.71N 0161251.52E	377.3 FT / NIL	No No	NIL
LDSP2007_AOC23_13	TREE	432930.91N 0161249.10E	406.8 FT / NIL	No No	NIL

Detailed description of obstacles assessed as being hazardous to air navigation currently not available.
Area 2 data set for the aerodrome currently not available.

Obstacles in Area 3

Area 3					
OBST ID/ Designation	**OBST Type**	**OBST position**	**ELEV / HGT**	**Markings/ Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
LDSP2020_3_1	TREE	433157.32N 0161705.01E	76.1 FT / NIL	No No	NIL
LDSP2020_3_2	TREE	433157.40N 0161705.16E	77.8 FT / NIL	No No	NIL
LDSP2020_3_3	TREE	433157.48N 0161705.28E	78.1 FT / NIL	No No	NIL
LDSP2020_3_4	POLE	433157.59N 0161705.48E	96.5 FT / NIL	No No	NIL
LDSP2020_3_5	SIGN	433155.88N 0161706.63E	72.5 FT / NIL	No No	NIL
LDSP2020_3_6	TREE	433157.72N 0161706.02E	76.8 FT / NIL	No No	NIL
LDSP2020_3_7	TREE	433157.83N 0161705.95E	76.4 FT / NIL	No No	NIL
LDSP2020_3_8	TREE	433157.79N 0161706.10E	76.1 FT / NIL	No No	NIL
LDSP2020_3_9	TREE	433157.79N 0161706.27E	76.4 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**
LDSP2020_3_10	VEGETATION	433157.92N 0161706.51E	80.4 FT / NIL	No No	NIL
LDSP2020_3_11	SIGN	433156.59N 0161707.94E	73.5 FT / NIL	No No	NIL
LDSP2020_3_12	POLE	433158.12N 0161707.04E	97.1 FT / NIL	No No	NIL
LDSP2020_3_13	VEGETATION	433158.43N 0161707.19E	83.3 FT / NIL	No No	NIL
LDSP2020_3_14	TREE	433158.55N 0161707.60E	77.8 FT / NIL	No No	NIL
LDSP2020_3_15	TREE	433158.65N 0161707.74E	81.7 FT / NIL	No No	NIL
LDSP2020_3_16	TREE	433158.88N 0161707.91E	83.7 FT / NIL	No No	NIL
LDSP2020_3_17	TREE	433158.98N 0161708.00E	82.7 FT / NIL	No No	NIL
LDSP2020_3_18	TREE	433158.92N 0161708.05E	84.0 FT / NIL	No No	NIL
LDSP2020_3_19	POLE	433158.82N 0161708.37E	103.0 FT / NIL	No No	NIL
LDSP2020_3_20	VEGETATION	433159.90N 0161709.71E	86.3 FT / NIL	No No	NIL
LDSP2020_3_21	POLE	433159.29N 0161709.31E	101.4 FT / NIL	No No	NIL
LDSP2020_3_22	POLE	433200.02N 0161710.22E	104.0 FT / NIL	No No	NIL
LDSP2020_3_23	BUILDING	433200.31N 0161710.50E	88.6 FT / NIL	No No	NIL
LDSP2020_3_24	POLE	433200.65N 0161711.61E	104.7 FT / NIL	No No	NIL
LDSP2020_3_25	POLE	433201.40N 0161712.93E	104.0 FT / NIL	No No	NIL
LDSP2020_3_26	VEGETATION	433202.61N 0161714.63E	93.8 FT / NIL	No No	NIL
LDSP2020_3_27	VEGETATION	433202.64N 0161715.02E	88.3 FT / NIL	No No	NIL
LDSP2020_3_28	OTHER: PAPI	433202.42N 0161716.01E	80.4 FT / NIL	No No	NIL
LDSP2020_3_29	OTHER: PAPI	433202.19N 0161716.22E	79.7 FT / NIL	No No	NIL
LDSP2020_3_30	OTHER: PAPI	433201.96N 0161716.48E	79.7 FT / NIL	No No	NIL
LDSP2020_3_31	VEGETATION	433203.89N 0161716.79E	100.1 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**
LDSP2020_3_32	TREE	433200.02N 0161722.43E	81.4 FT / NIL	No No	NIL
LDSP2020_3_33	VEGETATION	433159.89N 0161722.50E	85.3 FT / NIL	No No	NIL
LDSP2020_3_34	TREE	433200.55N 0161723.36E	82.3 FT / NIL	No No	NIL
LDSP2020_3_35	TREE	433200.35N 0161723.57E	79.1 FT / NIL	No No	NIL
LDSP2020_3_36	TREE	433200.52N 0161723.90E	81.7 FT / NIL	No No	NIL
LDSP2020_3_37	TREE	433201.25N 0161724.84E	91.5 FT / NIL	No No	NIL
LDSP2020_3_38	VEGETATION	433201.72N 0161725.64E	88.6 FT / NIL	No No	NIL
LDSP2020_3_39	FENCE	433202.14N 0161725.81E	83.0 FT / NIL	No No	NIL
LDSP2020_3_40	NATURAL HIGHPOINT	433206.24N 0161721.58E	85.3 FT / NIL	No No	NIL
LDSP2020_3_41	VEGETATION	433202.53N 0161727.06E	82.7 FT / NIL	No No	NIL
LDSP2020_3_42	BUILDING	433202.99N 0161728.24E	91.9 FT / NIL	No No	NIL
LDSP2020_3_43	VEGETATION	433203.12N 0161728.28E	91.2 FT / NIL	No No	NIL
LDSP2020_3_44	FENCE	433203.39N 0161728.05E	86.0 FT / NIL	No No	NIL
LDSP2020_3_45	FENCE	433203.72N 0161729.02E	82.0 FT / NIL	No No	NIL
LDSP2020_3_46	TREE	433203.58N 0161729.16E	87.9 FT / NIL	No No	NIL
LDSP2020_3_47	TREE	433203.98N 0161729.33E	85.6 FT / NIL	No No	NIL
LDSP2020_3_48	TREE	433204.16N 0161729.58E	79.4 FT / NIL	No No	NIL
LDSP2020_3_49	FENCE	433204.88N 0161731.51E	84.0 FT / NIL	No No	NIL
LDSP2020_3_50	VEGETATION	433205.21N 0161732.33E	81.7 FT / NIL	No No	NIL
LDSP2020_3_51	TREE	433205.80N 0161733.15E	81.7 FT / NIL	No No	NIL
LDSP2020_3_52	VEGETATION	433207.25N 0161738.47E	88.6 FT / NIL	No No	NIL
LDSP2020_3_53	BUILDING	433207.69N 0161738.35E	75.1 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**
LDSP2020_3_54	BUILDING	433207.71N 0161738.56E	73.5 FT / NIL	No No	NIL
LDSP2020_3_55	POLE	433207.77N 0161738.76E	80.1 FT / NIL	Yes LI Type B/red	NIL
LDSP2020_3_56	BUILDING	433207.88N 0161738.87E	76.4 FT / NIL	No No	NIL
LDSP2020_3_57	BUILDING	433206.90N 0161741.77E	74.8 FT / NIL	No No	NIL
LDSP2020_3_58	TREE	433206.33N 0161741.27E	76.4 FT / NIL	No No	NIL
LDSP2020_3_59	FENCE	433208.08N 0161739.92E	74.1 FT / NIL	No No	NIL
LDSP2020_3_60	BUILDING	433206.34N 0161741.81E	72.5 FT / NIL	No No	NIL
LDSP2020_3_61	TREE	433206.72N 0161741.93E	76.4 FT / NIL	No No	NIL
LDSP2020_3_62	VEGETATION	433207.20N 0161741.73E	81.4 FT / NIL	No No	NIL
LDSP2020_3_63	FENCE	433208.20N 0161741.25E	72.2 FT / NIL	No No	NIL
LDSP2020_3_64	BUILDING	433206.65N 0161742.27E	69.6 FT / NIL	No No	NIL
LDSP2020_3_65	POLE	433207.50N 0161741.89E	101.7 FT / NIL	Yes LI Type B/red	NIL
LDSP2020_3_66	TREE	433206.87N 0161742.80E	76.1 FT / NIL	No No	NIL
LDSP2020_3_67	TREE	433206.82N 0161743.06E	71.9 FT / NIL	No No	NIL
LDSP2020_3_68	FENCE	433207.84N 0161742.41E	70.5 FT / NIL	No No	NIL
LDSP2020_3_69	TREE	433207.06N 0161743.33E	68.9 FT / NIL	No No	NIL
LDSP2020_3_70	TREE	433206.75N 0161743.39E	70.9 FT / NIL	No No	NIL
LDSP2020_3_71	BUILDING	433206.56N 0161743.67E	69.9 FT / NIL	No No	NIL
LDSP2020_3_72	VEGETATION	433207.81N 0161743.08E	108.9 FT / NIL	No No	NIL
LDSP2020_3_73	TREE	433207.57N 0161743.60E	73.2 FT / NIL	No No	NIL
LDSP2020_3_74	TREE	433207.63N 0161743.79E	71.5 FT / NIL	No No	NIL
LDSP2020_3_75	TREE	433207.72N 0161743.95E	74.1 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**
LDSP2020_3_76	SIGN	433211.01N 0161738.64E	77.1 FT / NIL	No No	NIL
LDSP2020_3_77	POLE	433208.22N 0161743.68E	101.7 FT / NIL	Yes LI Type B/red	NIL
LDSP2020_3_78	BUILDING	433204.82N 0161745.60E	74.5 FT / NIL	No No	NIL
LDSP2020_3_79	POLE	433205.69N 0161746.28E	127.0 FT / NIL	Yes LI Type B/red	NIL
LDSP2020_3_80	POLE	433203.80N 0161748.08E	144.4 FT / NIL	Yes LI Type B/red	NIL
LDSP2020_3_81	BUILDING	433205.45N 0161753.37E	81.0 FT / NIL	No No	NIL
LDSP2020_3_82	SIGN	433212.27N 0161742.96E	73.5 FT / NIL	No No	NIL
LDSP2020_3_83	SIGN	433211.52N 0161743.80E	72.2 FT / NIL	No No	NIL
LDSP2020_3_84	SIGN	433213.27N 0161746.82E	71.2 FT / NIL	No No	NIL
LDSP2020_3_85	SIGN	433214.61N 0161745.04E	75.5 FT / NIL	No No	NIL
LDSP2020_3_86	NATURAL HIGHPOINT	433215.27N 0161748.38E	70.2 FT / NIL	No No	NIL
LDSP2020_3_87	BUILDING	433209.59N 0161753.14E	127.6 FT / NIL	No No	NIL
LDSP2020_3_88	BUILDING	433210.93N 0161755.20E	110.6 FT / NIL	No No	NIL
LDSP2020_3_89	POLE	433211.91N 0161754.67E	131.9 FT / NIL	Yes LI Type B/red	NIL
LDSP2020_3_90	POLE	433213.31N 0161757.50E	130.9 FT / NIL	Yes LI Type B/red	NIL
LDSP2020_3_91	BUILDING	433213.69N 0161758.55E	89.2 FT / NIL	No No	NIL
LDSP2020_3_92	BUILDING	433214.39N 0161759.21E	75.1 FT / NIL	No No	NIL
LDSP2020_3_93	BUILDING	433213.83N 0161800.71E	67.9 FT / NIL	No No	NIL
LDSP2020_3_94	OTHER: WIND VANE	433217.88N 0161754.19E	90.2 FT / NIL	Yes LI Type B/red	NIL
LDSP2020_3_95	BUILDING	433214.83N 0161800.48E	179.1 FT / NIL	No LI Type B/red	NIL
LDSP2020_3_96	BUILDING	433215.09N 0161801.45E	96.5 FT / NIL	No No	NIL
LDSP2020_3_97	BUILDING	433216.13N 0161802.60E	75.5 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**
LDSP2020_3_98	TREE	433216.00N 0161802.95E	78.1 FT / NIL	No No	NIL
LDSP2020_3_99	BUILDING	433215.48N 0161803.45E	67.3 FT / NIL	No No	NIL
LDSP2020_3_100	VEGETATION	433215.43N 0161803.75E	80.1 FT / NIL	No No	NIL
LDSP2020_3_101	VEGETATION	433216.18N 0161803.44E	81.7 FT / NIL	No No	NIL
LDSP2020_3_102	POLE	433216.77N 0161803.77E	125.7 FT / NIL	Yes LI Type B/red	NIL
LDSP2020_3_103	BUILDING	433216.94N 0161804.36E	83.3 FT / NIL	No No	NIL
LDSP2020_3_104	BUILDING	433216.70N 0161804.66E	90.6 FT / NIL	No No	NIL
LDSP2020_3_105	BUILDING	433216.27N 0161805.13E	84.6 FT / NIL	No No	NIL
LDSP2020_3_106	BUILDING	433218.40N 0161804.14E	90.2 FT / NIL	No No	NIL
LDSP2020_3_107	BUILDING	433218.79N 0161805.18E	85.6 FT / NIL	No No	NIL
LDSP2020_3_108	BUILDING	433220.16N 0161804.40E	72.2 FT / NIL	No No	NIL
LDSP2020_3_109	SIGN	433221.79N 0161801.34E	64.3 FT / NIL	No No	NIL
LDSP2020_3_110	SIGN	433223.57N 0161801.14E	66.6 FT / NIL	No No	NIL
LDSP2020_3_111	SIGN	433222.66N 0161801.72E	64.3 FT / NIL	No No	NIL
LDSP2020_3_112	SIGN	433221.37N 0161803.44E	69.6 FT / NIL	No No	NIL
LDSP2020_3_113	OTHER: METEO DEVICE	433221.62N 0161805.10E	71.9 FT / NIL	No No	NIL
LDSP2020_3_114	NATURAL HIGHPOINT	433223.38N 0161805.80E	67.3 FT / NIL	No No	NIL
LDSP2020_3_115	SIGN	433227.82N 0161808.84E	61.7 FT / NIL	No No	NIL
LDSP2020_3_116	OTHER: PAPI	433238.13N 0161820.16E	52.5 FT / NIL	No No	NIL
LDSP2020_3_117	OTHER: PAPI	433237.88N 0161820.36E	52.2 FT / NIL	No No	NIL
LDSP2020_3_118	TREE	433235.11N 0161825.87E	53.8 FT / NIL	No No	NIL
LDSP2020_3_119	NATURAL HIGHPOINT	433240.22N 0161822.00E	52.5 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**
LDSP2020_3_120	NATURAL HIGHPOINT	433242.27N 0161825.98E	52.8 FT / NIL	No No	NIL
LDSP2020_3_121	OTHER: DISTRIBUTION CABINET FOR LOCALIZER POWER SUPPLY	433239.73N 0161834.45E	56.8 FT / NIL	Yes No	NIL
LDSP2020_3_122	FENCE	433244.60N 0161841.72E	65.0 FT / NIL	No LI Type B/red	NIL
LDSP2020_3_123	NATURAL HIGHPOINT	433247.24N 0161838.94E	58.4 FT / NIL	No No	NIL
LDSP2020_3_124	NATURAL HIGHPOINT	433248.67N 0161837.32E	64.6 FT / NIL	No No	NIL

LDSP AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	SPLIT
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	MWO ZAGREB TAF (24HR)
4	Trend Forecast Interval of issuance	TREND 30 MIN
5	Briefing/consultation provided	Selfbriefing (URL: https://ib.crocontrol.hr) or by phone: +385 1 6259224, +385 1 7819201
6	Flight documentation Language(s) used	• Selfbriefing (URL: https://ib.crocontrol.hr) or request by phone: +385 21 205452, +385 21295406 • Croatian, English
7	Charts and other information available for briefing or consultation	• ICE, TURB and CB forecasts • Lightning data • Satelite images • Radar images
8	Supplementary equipment available for providing information	URL:https://met.crocontrol.hr
9	ATS units provided with information	Split TWR, Split APP
10	Additional information (limitation of service, etc.)	NIL

LDZA AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/ parking guidance system of aircraft stands	APRON WEST Taxiway guidance signs, guide lines and ACFT stand ID signs at apron, self manoeuvring (except PSN W2 for ACFT code letter D: push-back) and nose-in (basic), nose-out (alternative), and parallel to RWY (general aviation) stands, marshaller for all stands, stop bar markings, Follow me (see Remarks). APRON EAST Taxiway guidance signs, guide lines and ACFT stand ID signs at apron, self-manoeuvring an nose-in/push-back ACFT stands, marshaller, Visual Guidance Docking System at ACFT stands 1-8, stop bar markings, Follow me (see Remarks).
2	RWY and TWY markings and LGT	RWY-04/22: Runway designation markings, Threshold markings, Runway centre line markings, Runway side stripe markings, Touchdown zone markings, Aiming point markings, Runway turn pad marking*. TWY A Taxiway centre line markings, Runway holding position markings, Intermediate holding position markings. TWY B Taxiway centre line markings, Runway holding position markings, Intermediate holding position markings. TWY C Taxiway centre line markings, Runway holding position markings, Intermediate holding position markings. TWY D Taxiway centre line markings, Runway holding position markings, Intermediate holding position markings. TWY E Taxiway centre line markings, Runway holding position markings, Intermediate holding position markings. TWY F Taxiway intermediate holding position lights, Taxiway centre line markings, Intermediate holding position markings. TWY G Taxiway centre line markings, Intermediate holding position markings. TWY H Taxiway centre line markings, Intermediate holding position markings. TWY MC Taxiway centre line markings. TWY R Taxiway centre line markings. TWY T Taxiway centre line markings, Intermediate holding position markings.
3	Stop bars	TWY A: R LIH TWY B: R LIH TWY C: R LIH TWY D: R LIH TWY E: R LIH TWY F: R LIH - F1, F2, F3 TWY G: R LIH - Ga, Gb TWY H: R LIH TWY T: R LIH
4	Remarks	*RWY 22 turn pad restrictions: 180° turn on turn pad for aircraft with wheel base more than 25.6 M is not possible APRON EAST and WEST - Follow me available only during LVO and for ACFT code letter F.

LDZA AD 2.10 AERODROME OBSTACLES

Obstacles in Area 2:

In Area 2					
OBST ID / Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Markings/ Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
LDZA1	Tree	454345.47N 0160247.49E	375 FT / NIL	NIL	NIL
LDZA2	Tree	454345.64N 0160246.86E	378 FT / NIL	NIL	NIL
LDZA3	Tree	454340.48N 0160251.65E	376 FT / NIL	NIL	NIL
LDZA4	Tree	454510.51N 0160509.97E	372 FT / NIL	NIL	NIL
LDZA5	Building	454517.55N 0160504.23E	376 FT / NIL	NIL	NIL
LDZA6	Building	454516.41N 0160507.80E	370 FT / NIL	NIL	NIL
LDZA7	Tree	454519.59N 0160506.48E	381 FT / NIL	NIL	NIL
LDZA8	Tree	454516.41N 0160514.27E	376 FT / NIL	NIL	NIL
LDZA9	Tree	454521.16N 0160508.31E	392 FT / NIL	NIL	NIL
LDZA10	Building	454523.03N 0160514.41E	379 FT / NIL	NIL	NIL
LDZA11	Tree	454517.17N 0160522.72E	399 FT / NIL	NIL	NIL
LDZA12	Tree	454519.49N 0160528.25E	394 FT / NIL	NIL	NIL
LDZA13	Tree	454528.31N 0160545.80E	407 FT / NIL	NIL	NIL
LDZA14	Tree	454530.76N 0160543.38E	413 FT / NIL	NIL	NIL
LDZA15	Tree	454531.22N 0160544.27E	417 FT / NIL	NIL	NIL

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

Obstacles in Area 3:

In Area 3					
OBST ID / Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Markings/ Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
NIL	NIL	NIL	NIL	NIL	NIL

LDZA AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	ZAGREB
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	MWO ZAGREB TAF (24HR)
4	Trend Forecast Interval of issuance	TREND 30 MIN
5	Briefing/consultation provided	Selfbriefing (URL: https://ib.crocontrol.hr) or by phone: +385 1 6259 240, +385 1 7819205
6	Flight documentation Language(s) used	• Selfbriefing (URL: https://ib.crocontrol.hr) or request by phone: +385 1 6259 237, +385 1 7819204 • Croatian, English
7	Charts and other information available for briefing or consultation	• ICE, TURB and CB forecasts • Lightning data • Satelite images • Radar images
8	Supplementary equipment available for providing information	URL:https://met.crocontrol.hr
9	ATS units provided with information	Zagreb TWR, Zagreb APP
10	Additional information (limitation of service, etc.)	NIL

LDZA 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**
04	046.79°	3252 x 45	390 M, CONC, PCN 68/R/B/W/T 106 M, CONC, PCN 54/R/A/W/T 2262 M, ASPH, PCN 54/F/A/W/T 494 M, CONC, PCN 54/R/A/W/T	454354.75N 0160307.09E 454506.86N 0160456.75E 148.2 FT	THR 353 FT TDZ 353 FT
22	226.81°	3252 x 45		454506.86N 0160456.75E 454354.75N 0160307.09E 148.2 FT	THR 348 FT TDZ 349 FT

RWY Designations	Slope of **RWY-SWY**	**SWY** dimensions (**M**)	**CWY** dimensions (**M**)	**Strip dimensions (M)**	**RESA dimensions (M)**
1	**7**	**8**	**9**	**10**	**11**
04	Slope of RWY 04/22: 0%	NIL	NIL	3372 x 300	Length: 240 M Width: 90 M
22		NIL	NIL		Length: 240 M Width: 90 M

RWY Designations	**Location and description of arresting system**	**OFZ**	**Remarks**
1	**12**	**13**	**14**
04	NIL	YES	Along RWY edges and turn pad RWY22, paved shoulders, width: 7.5 M RWY22 turn pad dimensions: length: 79 M and width: 71 M
22	NIL	NIL	

LDZA AD 2.13 DECLARED DISTANCES

RWY Designator	**TORA** (**M**)	**TODA** (**M**)	**ASDA** (**M**)	**LDA** (**M**)	**Remarks**
1	**2**	**3**	**4**	**5**	**6**
04	3252	3252	3252	3252	NIL
	2912	2912	2912	NIL	Intersection TWY B
	2162	2162	2162	NIL	Intersection TWY C

ZAGREB / Franjo Tuđman
CROATIA

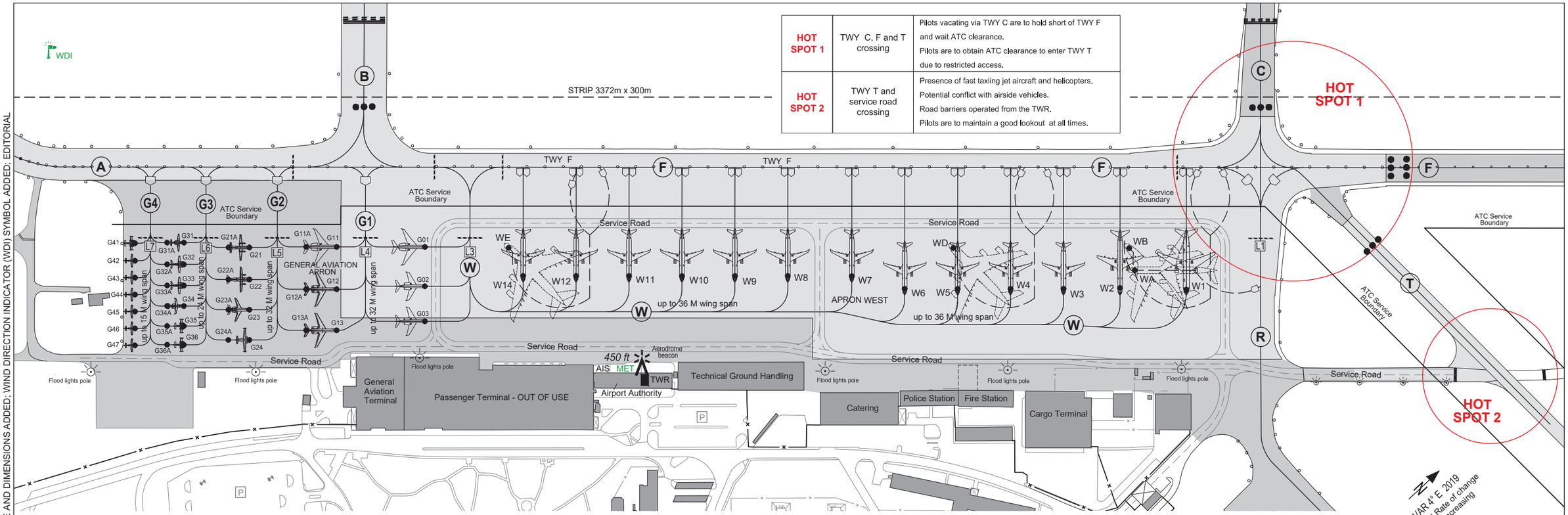
AIRCRAFT PARKING / DOCKING CHART - ICAO

APRON WEST / ACL ELEV 350 FT
General aviaton APRON ELEV 349 FT

ZAGREB ATIS 124.575 | ZAGREB TOWER 118.300 | ZAGREB GROUND 121.850

CHANGE: ACFT STAND "WB" WITH TAXILANES ADDED; ACFT STANDS "G37-G39, G48-G53" COMPLETELY WITHDRAWN; UNIT LOAD DEVICES (ULD) SPACE WITHDRAWN; PART OF TWY "W" CHANGED TO PART OF TWR "R"
RESTRICIONS AND NOTES RELATED TO TWY "W" AND ACFT STAND "WB" CHANGED; RUNWAY STRIP BORDER LINE AND DIMENSIONS ADDED; WIND DIRECTION INDICATOR (WDI) SYMBOL ADDED; EDITORIAL

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



PARKING POSITIONS AND INS / REFERENCE POINTS (WGS-84)

GENERAL AVIATION APRON						APRON WEST		
PSN	INS COORDINATES		PSN	INS COORDINATES		PSN	INS COORDINATES	
G01	454357.31N	0160329.64E	G31	454352.97N	0160322.81E	WA	454409.89N	0160350.04E
G02	454356.54N	0160330.67E	G31A	454352.66N	0160322.33E	WB	454410.22N	0160349.31E
G03	454355.86N	0160331.59E	G32	454352.55N	0160323.37E	WD	454407.00N	0160344.40E
G11	454355.69N	0160327.18E	G32A	454352.24N	0160322.91E	WE	454358.83N	0160332.00E
G11A	454355.13N	0160326.32E	G33	454352.13N	0160323.93E	W1	454410.46N	0160351.99E
G12	454354.87N	0160328.29E	G33A	454351.83N	0160323.46E	W2	454409.28N	0160350.10E
G12A	454354.31N	0160327.43E	G34	454351.73N	0160324.47E	W3	454408.22N	0160348.55E
G13	454354.06N	0160329.36E	G34A	454351.42N	0160324.00E	W4	454407.25N	0160347.07E
G13A	454353.50N	0160328.51E	G35	454351.34N	0160324.99E	W5	454406.28N	0160345.60E
G21	454354.08N	0160324.76E	G35A	454351.04N	0160324.52E	W6	454405.31N	0160344.12E
G21A	454353.70N	0160324.17E	G36	454350.98N	0160325.48E	W7	454404.58N	0160342.31E
G22	454353.45N	0160325.60E	G36A	454350.67N	0160325.01E	W8	454403.41N	0160340.52E
G22A	454353.07N	0160325.01E	G41	454352.06N	0160321.46E	W9	454402.44N	0160339.05E
G23	454352.86N	0160326.39E	G42	454351.72N	0160321.92E	W10	454401.47N	0160337.57E
G23A	454352.48N	0160325.81E	G43	454351.39N	0160322.36E	W11	454400.49N	0160336.09E
G24	454352.27N	0160327.18E	G44	454351.06N	0160322.80E	W12	454359.52N	0160334.62E
G24A	454351.89N	0160326.59E	G45	454350.73N	0160323.25E	W14	454358.55N	0160333.14E
			G46	454350.40N	0160323.69E			
			G47	454350.07N	0160324.13E			

TAXIING AND PARKING RESTRICTIONS AND NOTES - APRON WEST AND GENERAL AVIATION:

EXITING FROM PARKING POSITION "G01" RESTRICTION:

1. ACFT exit from G01 is allowed only when ACFT may continue on its way to TWY "F" and enter the TWY "F" without stopping at the intermediate holding position (IHP) "L3".
2. TXL W must be used for ACFT exit from PSNs "G01" to "G03".

TAXIING ON APRON:

1. Parking position number for inbound traffic is provided by ATC.
2. Adhere strictly to the yellow taxi guide line and Marshalling signals. For other restrictions adhere strictly to Zagreb TWR instructions and Follow Me guidance.
3. ACFT is not allowed to enter the parking position if Marshaller is not present.
4. ACFT Code Letter "F" has to await Follow Me when entering part of TWY "F" from TWY "C" to TWY "B" for taxiing to parking position "WB", "WD" & "WE".
5. In order to enter PSN WA, ACFT must turn from TWY "F" to TXL "R".
6. TXL "W" from PSN "W1" to PSN "W14" up to 36,0 m wing span.
7. ACFT exit from PSN "W1" to "W14" for ACFT code letter "C" is mandatory in the direction to the west.
8. ACFT exit from PSNs "W1" & "W2" for ACFT code letter "D" and "E" is mandatory by using push-back.
9. Follow Me guidance is mandatory on TWY "R" for self-manoeuvering ACFT.
10. The movement of two or more ACFT on the apron at the same time is allowed in conditions other than LVP, when the ACFT are at a safe distance from each other.
11. Mandatory notification of stand position number to ATC with start up request.

Parking Positions (PSN)	
PSN: W1 to W14 (for ACFT Code Letter "C") & PSN: WA, WB, WD & WE	Taxi-in / Taxi Out
PSN: W1 & W2	For ACFT Code Letter "D and "E" Taxi In / Push Back.
PSN: WB, WD & WE	ACFT CODE LETTER "F"
PSN: W1 & PSN No: WA	ACFT CODE LETTER "E"
PSN: W2	ACFT CODE LETTER "D"
PSN: W3 to W14	ACFT CODE LETTER "C"
PSN: W1	Maximum Wing Span 52M & Maximum Length 55M
PSN: W2	Maximum Wing Span 42M & Maximum Length 55M
PSN: W3 to W7	Maximum Wing Span 36M & Maximum Length 55M
PSN: W8 to W 14	Maximum Wing Span 36M & Maximum Length 45M
PSN: WA	Maximum Wing Span 64,8M & Maximum Length 74,77M
PSN: WB, WD & WE	Maximum Wing Span 88,4M & Maximum Length 84M

Helicopter parking:
All PSNs can be used for helicopter parking considering helicopter dimensions.
Zagreb TWR instructions and Follow Me guidance shall be followed for ground taxi or air taxi of helicopters between TWYs and parking positions.

TAXIING AND PARKING RESTRICTIONS AND NOTES - GENERAL AVIATION APRON:

Taxiing on Apron

1. TXL "G1" must be used for enter to PSNs "G01" to "G03" & PSNs "G11A" to "G13A".
2. TXL "G2" must be used for enter to PSNs "G11" to "G13" & PSNs "G21A" to "G24A".
3. TXL "G3" must be used for enter to PSNs "G21" to "G24" & PSNs "G31A" to "G36A".
4. TXL "G4" must be used for enter to PSNs "G31" to "G36", PSNs "G41" to "G47".
5. Departing ACFT must stop at intermediate holding position (IHP) on taxilane (TXL) and wait for further taxi instructions from Zagreb TWR:
   - IHP "L4" on TXL "G1",
   - IHP "L5" on TXL "G2",
   - IHP "L6" on TXL "G3" &
   - IHP "L7" on TXL "G4".
6. PSNs "G41 to "G47" are Push-In / Taxi-Out.
7. PSNs "G01" to "G03", "G11" to "G13", "G11A" to "G13A", "G21" to "G24", "G21A" to "G24A", "G31" to "G36", "G31A" to "G36A" are self-manoeuvring via designated TXL.

Restrictions for some parking positions:
When PSNs "WA", "WB", "WD" & "WE" are in use, the following positions must be vacated or with limitation:
When PSN "WA" is in use, PSNs "WB", "W1" & "W2" must be vacated.
When PSN "WB" is in use, PSNs "WA", "W1" & "W2" must be vacated.
When ACFT is entering to PSN "WD", PSN "W3" must be vacated.
When PSN "WD" is in use, PSNs "W4", "W5" & "W6" must be vacated.
When PSN "WE" is in use, PSNs "W11", "W12" & "W14" must be vacated.
When PSN "WD" is in use, ACFT exit from PSN "W3", is mandatory by using push-back.
When PSN "WE" is in use, ACFT exit from PSNs "W10" - "W1", is mandatory by using push-back.
When PSN "W1" and/or "W2" are/is in use, PSNs "WA" and "WB" must be vacated.
When PSN "W3" and/or "W4", and/or "W5" and/or "W6" are/ is in use, PSN "WD" must be vacated.
When PSN "W11" and/or "W12", and/or "W14" are/is in use, PSN "WE" must be vacated.

NOT TO SCALE
ELEVATIONS IN FT

50 0 200 m

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LDZD AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Guide lines at Apron, nose-in guidance at aircraft stands, Marshaller, "Follow me" vehicle.
2	RWY and TWY markings and LGT	RWY-04/22 RWY designation, THR markings, TDZ markings, Centre line markings, edges, aiming point markings, RWY 04 turning bay marking*. RWY-13/31 RWY designation, THR markings, TDZ markings, centre line markings, edges, aiming point markings. TWYA Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY markings: centre line, holding positions TWYB Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY markings: centre line, holding positions TWY C Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY markings: centre line, holding positions TWY D Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY markings: centre line, holding positions TWY E Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY markings: centre line, holding positions TWY F Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY markings: centre line, holding positions TWY G Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY markings: centre line, holding positions TWY H Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY markings: centre line, holding positions TWY K Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. TWY markings: centre line, holding positions RWY designation, THR markings, TDZ markings, Centre line markings, edges, aiming point markings
3	Stop bars	Nil
4	Remarks	*RWY 04 turning bay closed for civil traffic. TWY A - RWY guard lights TWY G - RWY guard lights TWY K - RWY guard lights

LDZD AD 2.10 AERODROME OBSTACLES

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

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

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

Obstacles in area 3:
NIL

LDZD AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	ZADAR
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	MWO ZAGREB TAF (24HR)
4	Trend Forecast Interval of issuance	TREND 30 MIN
5	Briefing/consultation provided	Selfbriefing (URL:https://ib.crocontrol.hr) or by phone: +385 1 6259224, +385 1 7819201
6	Flight documentation Language(s) used	• Selfbriefing (URL: https://ib.crocontrol.hr) or request by phone.: +385 23 203438, +385 23 733405 • Croatian, English
7	Charts and other information available for briefing or consultation	• ICE, TURB and CB forecasts • Lightning data • Satelite images • Radar images
8	Supplementary equipment available for providing information	URL:https://met.crocontrol.hr
9	ATS units provided with information	Zadar TWR, Zadar APP
10	Additional information (limitation of service, etc.)	NIL

LDZD AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	ABN/IBN red on TWR H24
2	LDI location and LGT Anemometer location and LGT	NIL
3	TWY edge and centre line lighting	TWY G EDGE TWY K EDGE
4	Secondary power supply/switch-over time	Available. Switch-over time: 01 SEC
5	Remarks	WDI: At THR 04,13 and 31, externally lighted.

LDZD 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	RWY to be used as landing area. Parking positions used according to Airport Authorities.

LDZD AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	CTR Zadar 440628N 0150520E 441951N 0151431E 441058N 0153303E 440118N 0154302E 435155N 0152603E 440628N 0150520E
2	Vertical limits	4000 FT ALT / GND
3	Airspace classification	D
4	ATS unit call sign Language(s)	ZADAR TOWER / ZADAR TORANJ Croatian, English
5	Transition altitude	10000 FT MSL
6	Remarks	NIL

LDZD AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
APP	ZADAR RADAR	128.525 MHZ	H24	Primary FREQ *
	ZADAR RADAR	130.625 MHZ	H24	ALTN FREQ *
	ZADAR RADAR	121.500 MHZ	H24	EMERG FREQ *
TWR	ZADAR TOWER / ZADAR TORANJ	123.700 MHZ	H24	Primary FREQ If no contact on TWR frequency, contact Zadar Radar.
		132.975 MHZ	H24	ALTN FREQ If no contact on TWR frequency, contact Zadar Radar.
ZADAR DELIVERY	ZADAR DELIVERY	132.975 MHZ	TUE-FRI 0800-1400 UTC during winter period TUE-SAT 0700-1800 UTC during summer period	ALTN FREQ for primary TWR FREQ. If used as TWR FREQ, clearance delivery will be provided by Zadar TWR.
* Low level flights in areas with mountainous terrain may encounter difficulties in establishing and maintaining radio communication with Zadar Approach.				

LDZD 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)	NTL	117.350 MHZ CH120Y	H24	443359.44N 0142327.79E	190 FT	Coverage 80 NM, except between QDR 330°-120° where coverage is 40 NM. MRA at 40 NM: QDR 020°-120° 10000 FT QDR 120°-330° 5000 FT QDR 330°-020° 12000 FT
VOR/DME (4°E/2019)	SPL	115.7 MHZ CH104X	H24	432947.69N 0161817.00E	734 FT	Range 100 NM
VOR/DME (4°E/2019)	ZDA	108.6 MHZ CH23X	H24	440543.16N 0152151.22E	279 FT	Range 100 NM except in sectors QDR 334°- 044° clockwise and QDR 124°-274° clockwise where coverage is reduced due to terrain
NDB	LOS	429 KHZ	H24	443137.55N 0142822.25E		119°MAG/4.10 NM from LDLO THR 02. Range 50 NM
NDB	SAL	421 KHZ	H24	435616.30N 0151005.20E		MRA at 25 NM 4000 FT
NDB	ZRA	330 KHZ	H24	435949.76N 0152947.31E		Range 50 NM