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NR/Year	Effective date	Date inserted	Inserted by
006/2021	17-Jun-2021	17-Jun-2021	
007/2021	15-Jul-2021	15-Jul-2021	
008/2021	12-Aug-2021	12-Aug-2021	
009/2021	09-Sep-2021	09-Sep-2021	
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LSZS AD 2 - 9	01 DEC 2022	LSZH AD 2 - 2	14 JUL 2022	LSZH AD 2.24.1 - 1	20 APR 2023
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Title	Difference(s)
<p>11 Air Traffic Services</p>	<p><b>CHAPTER 2</b> 2.6.1 IFR permitted in airspace class G only when operated on a published instrument flight procedure. Implementing Regulation (EU) No 923/2012 paragraph SERA.6001 allows aircraft to exceed the 250 knot speed limit where approved by the competent authority for aircraft types, which for technical or safety reasons, cannot maintain this speed. 2.6.3 Reduced visibility and distance to clouds in airspace class G 2000 ft (600 m) AGL. IFR permitted in airspace class G only when operated on a published instrument flight procedure. 2.10.3.3 Exceptions: LSGS, LSZC, LSME, LSMM, LSMA 2.26.5 According to 2.26.5, Implementing Regulation (EU) No 923/2012 SERA.3401(d)(1), time checks shall be given at least to the nearest minute.</p> <p><b>CHAPTER 3</b> Complementary to the ICAO provisions, Implementing Regulation (EU) No 923/2012, paragraph SERA.5010, specifies: Special VFR flights may be authorised to operate within a control zone, subject to an ATC clearance. Except when permitted by the competent authority for helicopters in special cases such as, but not limited to, medical flights, search and rescue operations and fire-fighting, the following additional conditions shall be applied: (a) such flights may be conducted during day only, unless otherwise permitted by the competent authority; (b) by the pilot: (1) clear of cloud and with the surface in sight; (2) the flight visibility is not less than 1500 m or, for helicopters, not less than 800 m; (3) fly at a speed of 140 kts IAS or less to give adequate opportunity to observe other traffic and any obstacles in time to avoid a collision; and (c) an air traffic control unit shall not issue a Special VFR clearance to aircraft to take off or land at an aerodrome within a control zone, or enter the aerodrome traffic zone or aerodrome traffic circuit when the reported meteorological conditions at that aerodrome are below the following minima: (1) the ground visibility is less than 1500 m or, for helicopters, less than 800 m; (2) the ceiling is less than 180 m (600 ft). 3.3.4: Implementing Regulation (EU) No 923/2012, paragraph SERA.8005(b), specifies: (b) Clearances issued by air traffic control units shall provide separation: (1) between all flights in airspace Classes A and B; (2) between IFR flights in airspace Classes C, D and E; (3) between IFR flights and VFR flights in airspace Class C; (4) between IFR flights and special VFR flights; (5) between special VFR flights unless otherwise prescribed by the competent authority; except that, when requested by the pilot of an aircraft <b>and agreed by the pilot of the other aircraft</b> and if so prescribed by the competent authority for the cases listed under (b) above in airspace Classes D and E, a flight may be cleared <b>subject to maintaining own separation in respect of a specific portion of the flight below 3050 m (10000 ft) during climb or descent, during day in visual meteorological conditions.</b></p>

Title	Difference(s)
	<p>3.7.3.1: Implementing Regulation (EU) No 923/2012, paragraph SERA.8015, specifies: (e) Read-back of clearances and safety-related information (1) The flight crew shall read back to the air traffic controller safety-related parts of ATC clearances and instructions which are transmitted by voice. The following items shall always be read back: i. ATC route clearances; ii. clearances and instructions to enter, land on, take off from, hold short of, cross, taxi and backtrack on any runway; and iii. runway-in-use, altimeter settings, SSR codes, <b>newly assigned communication channels</b>, level instructions, heading and speed instructions; and iv. transition levels, whether issued by the controller or contained in ATIS broadcasts. 3.7.3.1.1: (2) Other clearances or instructions, including conditional clearances <b>and taxi instructions</b>, shall be read back or acknowledged in a manner to clearly indicate that they have been understood and will be complied with. 3.8.1 At LSGG and LSZH, the traffic on the manoeuvring area in front of the apron is provided by a specialised AD unit and not by ATS.</p>
	<p><b>CHAPTER 4</b> 4.3.7 l) 4.3.8 l) 4.3.9 k) The ATIS information is extracted from the local met routine/special report which, in accordance with ICAO Annex 3, is in DEG true north.</p>
	<p><b>APPENDIX 2</b> For national helicopter Low Flight Network routes five-alphanumeric name-codes as described in Doc 8168 §1.6 are used to designate significant points.</p>
	<p><b>APPENDIX 4</b> Continuous two-way radio communication required in Airspace G and E: 1. Inside Flight Information Zone (FIZ) LSZS</p>

Title	Difference(s)
12 Search and Rescue	<p><b>CHAPTER 2</b> 2.2.1.1 SAR regions are coincident with State territory of Switzerland and Liechtenstein.</p>

Title	Difference(s)
13 Aircraft Accident and Incident Investigation	<p><b>CHAPTER 5</b> 5.12 Swiss legislation requires that all documents be made available to judicial authorities and aviation authorities.</p>

**LSZB AD 2.16 HELICOPTER LANDING AREA**

1	<b>Coordinates TLOF landing area</b>	Main Apron: TLOF stand 1: 46 54 39.15 N / 007 30 11.50 E TLOF stand 2: 46 54 38.33 N / 007 30 11.97 E TLOF stand 3: 46 54 38.72 N / 007 30 12.65 E TLOF stand 4: 46 54 39.10 N / 007 30 13.32 E Apron Swiss Helicopter: TLOF stand 1: 46 54 23.04 N / 007 29 52.08 E TLOF stand 2: 46 54 22.32 N / 007 29 52.44 E
2	<b>TLOF and/or FATO elevation M/FT</b>	TLOFs on Main Apron and at Swiss Helicopter: 510 m / 1673 ft
3	<b>TLOF and FATO area dimensions, surface, strength, marking</b>	Main Apron: TLOF stand 1: ASPH, max. OAL / RD 16.0 m, PPR. TLOF stands 2 to 4: ASPH, max. OAL 13.0 m / RD 11.0 m, home based OPR only except with marshalling by airport authority, air taxi via TWY sector Blue. When TLOF stand 1 is occupied, TEMPO no OPS on TLOF stands 3 and 4. FATO: IFR HEL use paved RWY 14/32.
4	<b>True and MAG BRG of FATO</b>	RWY 14: 140° GEO / 138° MAG RWY 32: 320° GEO / 318° MAG
5	<b>Declared distance available</b>	See <a href="#">LSZB AD 2.13</a> for RWY 14-32
6	<b>APP and FATO lighting</b>	See <a href="#">LSZB AD 2.14</a> for RWY 14-32
7	<b>Remarks</b>	Swiss Helicopter located S-SW of AD site. Special procedures apply for REGA and Swiss Air Force.

**LSZB AD 2.17 ATS AIRSPACE**

1	<b>Designation and lateral limits</b>	<b>Bern CTR</b> 47 04 26N 007 28 03E - 46 58 18 N 007 35 15E - arc of circle 5.02 NM on 46 55 09N 007 29 32E - clockwise 46 52 00N 007 23 50E - 46 58 10N 007 16 35E - 47 04 26N 007 28 03E
2	<b>Vertical limits</b>	5000 ft AMSL (1500 m)
3	<b>Airspace classification</b>	D
4	<b>ATS unit call sign Language(s)</b>	En; En and Ge for Non-Commercial VFR traffic.
5	<b>Transition altitude</b>	6000 ft
6	<b>Remarks</b>	ACT: HX - ATIS (monitoring compulsory)

**LSZB AD 2.18 ATS COMMUNICATION FACILITIES**

Service designation	Call sign	Frequency	Hours of Operation	Remarks
1	2	3	4	5
APP	Bern Arrival	127.325 MHz	HX	Language: En
APP	Bern Departure	127.325 MHz	HX	Language: En
ATIS		125.130 MHz	H24	Phone: Service: +41 (0) 22 417 40 76
TWR	Bern Tower	121.025 MHz 119.700 MHz* 121.500 MHz**	HX	*ALTN FREQ **EMERG Language: En; En and Ge for Non-Commercial VFR traffic.
CLD	Bern Delivery	121.690 MHz	HX	Check status on ATIS

**LSZB AD 2.19 RADIO NAVIGATION AND LANDING AIDS**

Type Category (Variation)	ID	Frequency	Hours of operation	Site of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
ILS 14-LOC CAT I	IBE	110.10 MHz	H24	46 54 22.5N 007 30 24.3E		LOC PSN 165 m FM THR 32 RWY 14: LOC course 138° MAG. Front course sector angle 5.0°. Restricted coverage (published procedures covered): at 25 NM -10° E to +10° W from CL above 6000 ft AMSL at 17 NM -29° E to +26° W from CL above 4800 ft AMSL.
GP 14		334.40 MHz	H24	46 55 00.9N 007 29 40.4E		GP Angle 4.0°. PSN: 187 m FM THR 14. GP HGT THR 14: 43 ft / 13.2 m
DME 14	IBE	38X	H24	46 54 22.0N 007 30 20.7E	1684 ft	DME PSN: 1656 m FM THR 14, 77 m W of CL. Zero range at DME station. Restricted coverage (published procedures covered): at 25 NM -10° E to NM +10° W from CL above 6000 ft AMSL. at 17 NM -18° E to +22° W from CL above 4800 ft AMSL.

**LSZB AD 2.20 LOCAL TRAFFIC REGULATIONS**

**1. Local flying restrictions and remarks:**

AP operating HR **Scheduled FLT:**

Summer:

MON - SUN 0400 – 2030 for TKOF  
0400 – 2100 for LDG

No APCH clearance will be issued to ACFT which have not reached the DIST of 8 NM from the AP (DME IBE) at 2045.  
For DEP, the ACFT needs to be ready for TAX at 2015, at the latest.

Winter:

MON - SUN 0500 – 2130 for TKOF  
0500 – 2200 for LDG

No APCH clearance will be issued to ACFT which have not reached the DIST of 8 NM from the AP (DME IBE) at 2145.  
For DEP, the ACFT needs to be ready for TAX at 2115, at the latest.

**Other FLT:**

Summer:

MON - FRI 0500 – 1800 for TKOF  
0500 – 2000 for LDG

SAT 0500 – 1800 for TKOF  
0500 – 1900 for LDG

SUN 0600 – 1800 for TKOF  
0600 – 2000 for LDG

Winter:

MON - FRI 0600 – 1900 for TKOF  
0600 – 2100 for LDG

SAT 0600 – HRH (min 1700) for TKOF/LDG

SUN 0700 – 1900 for TKOF  
0700 – 2100 for LDG

**See also NOTAM for changes to operating HR.**

**Special operations:**

Expect HEL IFR APCH and DEP outside ATC HR up to 6000 ft AMSL and according to special authorisation.

**LSGC - LES ÉPLATURES****LSGC AD 2.1 AERODROME LOCATION INDICATOR AND NAME**

LSGC - LES ÉPLATURES

**LSGC AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1	ARP coordinates and site at Aerodrome	47 05 03 N 006 47 36 E - 234°/441 m from THR 24
2	Direction and distance from the CITY	2 km SW La Chaux-de-Fonds
3	Elevation/Reference temperature	3368 ft - 20.0°C
4	MAG VAR/Annual change	2°.17' E (2019.5) / 0°09' eastwards
5	AD Administration, address, telephone, telefax, telex, AFS	Post: ARESA Aéroport Régional Les Eplatures SA Boulevard des Eplatures 56 CH-2300 La Chaux-de-Fonds Phone: +41 (0) 32 925 97 97 Fax: +41 (0) 32 925 97 96 AFS: LSGCYDYX Email: info@leseplaturesairport.ch
6	Types of traffic permitted (IFR/VFR)	IFR/VFR
7	Remarks	Geodetic undulation reference for ARP: 163.6 ft

**LSGC AD 2.3 OPERATIONAL HOURS**

1	AD Administration	1. 0700 (0600) - SS / MAX 1900 (1800) 2. AD CLSD: DEC 25, DEC 26, JAN 01
2	Customs and immigration	As AD Administration; Customs procedure and documents see: URL: <a href="http://www.leseplaturesairport.ch">http://www.leseplaturesairport.ch</a>
3	Health and sanitation	NIL
4	AIS Briefing Office	As AD Administration
5	ATS Reporting Office (ARO)	As AD Administration
6	MET Briefing Office	NIL
7	ATS	As AD Administration
8	Fuelling	As AD Administration
9	Handling	As AD Administration / Limited services
10	Security	NIL
11	De-icing	NIL
12	Remarks	Other hours O/R by phone to AD Administration

**LSGC AD 2.4 HANDLING SERVICES AND FACILITIES**

1	Cargo handling facilities	NIL
2	Fuel/oil types	JET A1, AVGAS 100LL 80, 100, W80, W100, W15W50, EXXON 23-80
3	Fuelling facilities/capacity	JET A1: dock with 30 m pipe / 180 L/MIN AVGAS 100LL: dock with 15 m pipe / 25 L/MIN
4	De-icing facilities	NIL
5	Hangar space available for visiting aircraft	Limited - by prior arrangement: Light ACFT: 1 Hangar workshop 15 x 12 x 4m 1 Hangar 25 x 20 x 3.2 m 1 Hangar 25 x 12 x 2.5 m 1 Hangar 30 x 12 x 4.5 m
6	Repair facilities for visiting aircraft	Hangarage, major aircraft repairs and minor engine repairs for ACFT up to 5700kg
7	Remarks	Oxygen available in limited quantities

**LSGC AD 2.5 PASSENGER FACILITIES**

1	Hotels	Near AD and in city
2	Restaurants	2 restaurants at AD
3	Transportation	Buses, Taxis
4	Medical facilities	Hospital in city
5	Bank and Post Office	Near AD and in city
6	Tourist Office	In city Phone: +41 (0)32 919 68 95
7	Remarks	NIL

**LSGC AD 2.6 RESCUE AND FIRE FIGHTING SERVICES**

1	AD category for fire fighting	Category 1 Category 2 - 4: O/R 24 HR before ETA/ETD
2	Rescue equipment	O/R
3	Capability for removal of disabled aircraft	NIL
4	Remarks	NIL

**LSGC AD 2.7 SEASONAL AVAILABILITY - CLEARING**

1	Type(s) of clearing equipment	1 Snow blower, 2 Snow ploughs, 2 Sweepers
2	Clearance priorities	1. RWY 2. TWY 3. Apron 4. Other areas
3	Remarks	NOV 01 - MAR 31 It is essential to check RWY conditions by TEL

**LSGC AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA**

1	Apron surface and strength	ASPH: - PCN 20 F/C/Y/T
2	Taxiway width, surface and strength	TWY West and East: 9 m; intersection A: 20 m; intersection B: 16.5 m; intersection C: 12.5 m; All TWY ASPH: PCN 20 F/C/Y/T
3	ACL location and elevation	Holding point 06: 3363 ft - Holding point 24: 3343 ft
4	VOR/INS checkpoints	NIL
5	Remarks	NIL

**LSGC AD 2.9 SURFACE MOVEMENT GUIDANCE, CONTROL SYSTEM AND MARKINGS**

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Parking sectors Green and Orange: Marshalling and towing only, coloured perimeter markings. Parking sector Blue and Purple: Self-taxiing, max span 11 m (Blue) and 13 m (Purple), coloured centre lines.
2	RWY/TWY markings and LGT	Markings: RWY (designation, THR, TDZ, CL, begin and end), TWY (CL and holding positions). LGT: SALS 24, THR, REDL, RENL, no TWY LGT.
3	Stop bars	NIL
4	Remarks	TWY between intersections A and B is located within the runway strip. No use without ATC instructions.

**LSGG AD 2.17    ATS AIRSPACE**

1	Designation and lateral limits	<b>Geneva CTR</b> 2 arcs of circle as follows and tangents joining the arcs externally: a.     Radius 3.02 NM centred on: 46 19 53 N 006 14 55 E b.     Radius 3.02 NM centred on: 46 09 40 N 005 59 43 E
2	Vertical limits	4000 ft AMSL (1200 m)
3	Airspace classification	D
4	ATS unit call sign Language(s)	Geneva TWR: Fr, En
5	Transition altitude	7000 ft
6	Remarks	ACT: H24

**LSGG AD 2.18    ATS COMMUNICATION FACILITIES**

Service designation	Call sign	Frequency	Hours of Operation	Remarks
1	2	3	4	5
GENEVA AREA				
EMERG		121.500 MHz	H24	EMERG for all services
APP/SRE/VDF	Geneva Transit Geneva Arrival Geneva Departure Geneva Approach Geneva Final Geneva Departure	136.450 MHz 136.255 MHz 119.530 MHz 130.555 MHz 120.305 MHz 131.330 MHz	H24 H24 H24 H24 H24 H24	As instructed by ATC  As instructed by ATC  As instructed by ATC
TWR/VDF	Geneva Tower	118.700 MHz 119.905 MHz 119.700 MHz 121.680 MHz	H24 HJ H24 H24	Primary FREQ As instructed by ATC ALTN FREQ
GND	Geneva Ground	119.700 MHz	H24	Primary FREQ Clearance Delivery for all IFR flights Start-up and taxi clearance for North Apron Auxiliary frequency
TRAFFIC APRON	Geneva Apron	121.855 MHz 121.750 MHz	H24 H24	Primary FREQ Start-up (push-back if needed) and taxi clearance for South Apron ALTN FREQ
VDF	Geneva Homer	118.700 MHz 119.700 MHz	H24 H24	Primary FREQ ALTN FREQ
ATIS		135.580 MHz 124.755 MHz	H24 H24	TEL: +41 (0) 22 417 40 81 GLD Information En, Fr TEL: +41 (0) 22 417 40 83
FIC	Geneva Information	126.350 MHz	H24	For VFR FLT within TMA

LSGG AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type Category (Variation)	ID	Frequency	Hours of operation	Site of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
GENEVA DVOR/DME (VAR 2° E)	GVA	115.75 MHz 104Y	H24	46 15 14.1N 006 07 56.0E	1377 ft	PSN: 044°MAG, 563 m FM THR 22. DOC 50 NM / 25'000 ft.
GLAND NDB	GLA	375 kHz	H24	46 24 31.3N 006 14 39.3E		PSN: 027°MAG, 11.6 NM FM ARP. EM: N0N / A2A. Service range 25 NM.
PASSEIRY DVOR/DME (VAR 2° E)	PAS	116.60 MHz 113X	H24	46 09 49.3N 005 59 59.7E	1415 ft	PSN: 224°MAG, 5.5 NM FM THR 04. DOC 80 NM / 50'000 ft.
ST-PREX VOR/DME (VAR 3° E)	SPR	113.90MHz 86X	H24	46 28 07.3N 006 26 53.0E	1252 ft	PSN: 044°MAG, 18.7 NM FM THR 22. DOC 100 NM / 50'000 ft.
ILS 22-LOC CAT III	ISW	108.70 MHz	H24	46 13 29.0N 006 05 21.7E		LOC PSN: 496 m FM THR 04. <b>RWY 22:</b> LOC course 224° MAG. Front course sector width 3°. Restricted coverage: at 17 NM; +/- 15° 3500 ft AMSL linearly raising to 17 NM +/- 35° 5800 ft AMSL. at 25 NM; +/- 10° 5000 ft AMSL.
GP 22		330.50 MHz	H24	46 14 56.5N 006 07 22.8E		GP Angle 3°. PSN: 325 m FM THR 22. GP HGT THR 22: 58 ft (17.7 m). Restricted coverage: at 10 NM - 8° S to 4° N from CL above 2900 ft AMSL. at 20 NM - 8° S to 4° N from CL above 6000 ft AMSL.
DME 22	ISW	24X	H24	46 14 56.4N 006 07 22.9E	1378 ft	DME Co-located with GP Zero range at DME station Restricted coverage: at 17 NM; +/- 15° 3500 ft AMSL linearly raising to 17 NM +/- 35° 5800 ft AMSL. at 25 NM; +/- 10° 5000 ft AMSL.
ILS 04-LOC CAT I	INE	110.90 MHz	H24	46 15 12.8N 006 07 54.1E	1374 ft	LOC PSN: 505 m FM THR 22. RWY 04: LOC course 044° MAG. Front course sector width 2.95°. Restricted coverage (published procedures covered): at 17 NM; +/- 30° from CL above 6300 ft AMSL. at 25 NM; +/- 10° from CL above 6300 ft AMSL. Maximum elevation 4.3° above horizontal. All LOC restrictions in reference to the LOC.
GP 04		330.80 MHz	H24	46 13 50.0N 006 05 43.6E	1459 ft	GP Angle 3°. PSN: 324 m FM THR 04 GP HGT 50 ft / 15 m THR 04. Coverage (published procedures covered): at 10 NM; +/- 8° from CL above 2800 ft AMSL. at 20 NM; +/- 8° from CL above 5800 ft AMSL.
DME 04	INE	46X	H24	46 13 50.0N 006 05 43.8E	1460 ft	DME Co-located with GP. Zero range at DME station. Restricted coverage (published procedures covered): at 17 NM -10° N to +30° S from CL above 6300 ft AMSL. at 25 NM -8° N to +10° S from CL above 6300 ft AMSL.

## LSZA AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	ALS Type LEN, INTST	THR LGT Colour INTST WBAR	VASIS Type PSN, MEHT	RTZL LEN, INTST	RCLL LEN, spacing, colour, INTST	REDL LEN, spacing, colour, INTST	RENL Colour, INTST	SWY LGT LEN, colour	RMK
1	2	3	4	5	6	7	8	9	10
01	NIL	RTHL G, LIH, WBAR; RTIL FLG W	PAPI 4.17°, L, 6.27 m; PAPI 6.00°, L, 15.54 m	Simple TZL* 323 m FM THR 01, W, LIH	740 m, 30 m, W, LIH; 375 m, 30 m, R/W, LIH; 300 m, 30 m, R, LIH	110 m, 60 m, R, LIH; 830 m, 60 m, W, LIH; 475 m, 60 m, Y, LIH	R, LIH	NIL	PAPI 6.00° only switched on for IGS RWY 01 approaches
19	RLLS, Seq. FLG LGT W LIH; SALS, 360m, LIH	RTHL G, LIH, WBAR; RTIL FLG W	PAPI 4.17°, L, 6.71 m	Simple TZL* 323 m FM THR 19, W, LIH		280 m, 60 m, R, LIH; 660 m, 60 m, W, LIH; 475 m, 60 m, Y, LIH	R, LIH	NIL	RLLS follows circling Charlie track

\* The purpose of simple touchdown zone lights is to provide pilots with enhanced situational awareness in all visibility conditions and to help enable pilots to decide whether to commence a go-around if the aircraft has not landed by a certain point on the runway.

## LSZA AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	NIL
2	LDI location and LGT Anemometer location and LGT	NIL
3	TWY edge and centre line lighting	TWY edge lighting
4	Secondary power supply/switch-over time	< 1 s
5	Remarks	Obstruction marking and lighting: partly

## LSZA AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO	FATO: 46 00 12.87 N / 008 54 36.86 E
2	TLOF and/or FATO elevation M/FT	276 m / 907 ft
3	TLOF and FATO area dimensions, surface, strength, marking	TLOF HEL stands 1 and 2: MAX Overall LEN 17 m, Rotor Diameter 14 m, ASPH, marked and numbered circles with diameter 6.5 m. TLOF HEL stands 3 and 4: MAX Overall LEN 13 m, Rotor Diameter 11 m, ASPH, marked and numbered circles with diameter 6.5 m. FATO: paved RWY 01-19.
4	True and MAG BRG of FATO	RWY 01: 019° GEO / 017° MAG RWY 19: 199° GEO / 197° MAG
5	Declared distance available	See: <a href="#">LSZA AD 2.13</a> for RWY 01/19
6	APP and FATO lighting	RWY LGT
7	Remarks	Simultaneous hover operations on HEL stands are not allowed

**LSZA AD 2.17 ATS AIRSPACE**

1	Designation and lateral limits	<b>Lugano CTR</b> 45 55 51 N 008 46 22 E - 46 03 43 N 008 54 41 E Arc of circle centred on 46 02 26 N 008 57 10 E, Radius 2.16 NM, clockwise 46 01 21 N 008 59 51 E - 45 52 54 N 008 52 50 E Arc of circle centred on 45 54 15 N 008 49 29 E, Radius 2.70 NM, clockwise 45 55 51 N 008 46 22 E
2	Vertical limits	6500 ft AMSL (2000 m)
3	Airspace classification	D
4	ATS unit call sign Language(s)	Lugano TWR It, En
5	Transition altitude	6000 ft AMSL (1800 m)
6	Remarks	ACT: HX

**LSZA AD 2.18 ATS COMMUNICATION FACILITIES**

Service designation	Call sign	Frequency	Hours of Operation	Remarks
1	2	3	4	5
ATIS		121.175 MHz	H24	TEL Service +41 (0) 22 417 40 88
TWR VDF	Lugano Tower	120.250 MHz 119.700 MHz	HX do.	QDM AVBL O/R ALTN FREQ
CLR DEL	Lugano Delivery	121.780 MHz	HX	

**LSZA AD 2.19 RADIO NAVIGATION AND LANDING AIDS**

Type Category (Variation)	ID	Frequency	Hours of operation	Site of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
ILS 01-LOC	ILU	108.90 MHz	H24	46 00 42.15N 008 54 51.21E		LOC PSN: 409 m FM THR 19. <b>RWY 01</b> : LOC course 017° MAG. Front course sector width 5°. Restricted coverage: at 10 NM - 30° W to 30° E from CL above 5000 ft AMSL.
GP 01		329.30 MHz	H24	46 00 01.28N 008 54 34.40E		GP Angle 6.65°. PSN: 123 m FM THR 01. GP HGT THR 01: 48 ft / 14.6 m. Restricted coverage: at 8 NM - 8° W to 8° E from CL above 5000 ft AMSL.
DME 01	ILU	26X	H24	46 00 41.27N 008 54 49.04E	942 ft	DME Co-located with LOC, reads D0.8 at THR 01. Restricted coverage: at 10 NM - 6° W to 14° E from CL above 5000 ft AMSL. at 10 NM - 25° W to 25° E from CL above 5900 ft AMSL.

## LSMP - PAYERNE

## LSMP AD 2.1 AERODROME LOCATION INDICATOR AND NAME

LSMP - PAYERNE

## LSMP AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at Aerodrome	46 50 33 N / 006 54 49 E
2	Direction and distance from the CITY	3 km NW Payerne
3	Elevation/Reference temperature	1465 ft AMSL - 25.5°C
4	MAG VAR/Annual change	2° E (2017.5) / 0° 10' eastwards
5	AD Administration, address, telephone, telefax, telex, AFS	Post: swiss aeropole SA Aéroport 132 CH-1530 Payerne Phone: +41 (0) 26 662 66 66 AFS: LSMPZTZX Email: airport@swissaeropole.com URL: www.swissaeropole.com Chief of civil aerodrome (CAC) Phone: +41 (0) 26 662 66 69
6	Types of traffic permitted (IFR/VFR)	IFR / VFR
7	Remarks	Geodetic undulation reference for ARP: 162.2 ft

## LSMP AD 2.3 OPERATIONAL HOURS

1	AD Administration	MIL AD OPR HR: Time frame, excluding published exceptions: MON - SUN: 0500 - 2100 (0400 - 2000) CIV AD OPR HR: HX, but within following limits The aerodrome is open to civil flights after prior authorisation (PPR), at the following times only: MON - FRI: 0630 - 1900 (0530 - 1800) SAT: 0800 - 1100 (0700 - 1000) + 1230 - 1600 (1130 - 1500) SUN: CLSD HOL: see § 2.20 Exceptions with special authorisation, see §2.20 RMK: outside the periods of previously authorised flights, civil operation of the aerodrome is not continuously provided. The use of Payerne as an alternate aerodrome is prohibited. MON - FRI: No take-off between 1100 and 1215 (1000 and 1115). Take-offs may only be authorised by MIL OPS if they are delayed for technical, meteorological or ATC reasons. Civil flights outside MIL AD OPR HR: Flights taking place outside MIL AD OPR HR are subject to particular authorisation and activation deadlines and to billing surcharges.
2	Customs and immigration	CIV AD OPR HR Extra-Schengen flights possible Customs clearance for goods available.
3	Health and sanitation	MIL AD OPR HR
4	AIS Briefing Office	CIV AD OPR HR
5	ATS Reporting Office (ARO)	NIL

6	MET Briefing Office	NIL
7	ATS	HX
8	Fuelling	CIV AD OPR HR
9	Handling	Speedwings Handling Services: Phone: +41 (0) 26 662 66 60 Email: handling@speedwings-payerne.ch
10	Security	H24
11	De-icing	CIV AD OPR HR
12	Remarks	MIL AD with civil co-use Airfield, PPR

#### LSMP AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo handling facilities	NIL
2	Fuel and oil types	JET A-1 Mobile Jet Oil II & BP Turbo Oil 2380
3	Fuelling facilities/capacity	Truck 20'000 litres and tank truck 37'000 litres. Additional capacity upon prior request.
4	De-icing facilities	OCT 01 - APR 30: available Operator: Speedwings Handling Services De-icing fluids available: - Type I Clariant Safewing MP I 1938 ECO (80); - Type IV Clariant Safewing MP IV Launch De-icing trucks: JBT Tempest 400 On stand de-icing: 1 Clean Aircraft Concept as defined in ICAO Doc 9640 is applied; aircraft are de-iced according to the requirements of SAE AS6285. Airport Authority can intervene in case of non-adherence.
5	Hangar space available for visiting aircraft	Heated 6600 m2 available for rent. MAX height 9m.
6	Repair facilities for visiting aircraft	AOG support available.
7	Remarks	Handling mandatory, self handling not allowed. Contact Speedwings Handling Services for more details. Crew lounge and 4 crew rooms available on site. Pushback up to 75t. Potable water, lavatory cart, belt loader and GPU available. VIP vehicles available on the apron. Ground Services Payerne Phone: +41 (0) 26 662 66 60 FREQ: 131.880 MHz (Speedwings FBO) RTF: SPEEDWINGS Email: handling@speedwings-payerne.ch

#### LSMP AD 2.5 PASSENGER FACILITIES

1	Hotels	In the vicinity
2	Restaurants	At AD and in the vicinity
3	Transportation	On request. Train station in the city
4	Medical facilities	First aid at AD during MIL AD OPR HR, hospital in Payerne city
5	Bank and Post Office	In Payerne city
6	Tourist Office	In the city, www.estavayer-payerne.ch
7	Remarks	NIL



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## LSZH AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM, MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	<p><b>Dock A, B and E</b> Safegate Aircraft Docking Guidance System "Safedock"</p> <p><b>Routine docking manoeuvre:</b></p> <ul style="list-style-type: none"> <li>• Check for correct ACFT type displayed (ICAO type designator according ICAO Doc 8643). Note that the Airbus Neo and Boeing 737 MAX series aircraft (A19N/A20N/A21N/A338/A339 and B37M/B38M/B39M) are displayed as standard ICAO codes (A319/A320/A321/A332/A333 and B737/B738/B739). Same applies for Embraer 175 and Embraer 170-200 Aircraft, where short or longwing versions (E75S/E75L) are displayed as E175.</li> <li>• Do not proceed beyond the bridge unless a positive tracking of the aircraft has been established. This is indicated by changed displayed information, where a yellow guidance center line bar becomes visible. The position in relation to CL is indicated by yellow arrows. Additionally, arrows show direction of turn if aircraft is not aligned with CL.</li> <li>• Display of digital countdown in meters starts at 20m before stop PSN.</li> <li>• At the stop PSN the display will show "STOP followed by "OK" if parked correctly.</li> <li>• In case of overshooting the stop PSN, a "too far" indication is displayed. In any case where a safe docking process is not possible e.g. no guidance information displayed, error on display, obstacles in the path, wrong aircraft type, etc. stop the aircraft and request assistance from Apron Control.</li> <li>• The color scheme of an ACFT may have a negative impact on the identification process.</li> </ul> <p>Detailed system description of docking procedure, fault messages and safety procedures with corresponding graphics are AVBL under: URL: <a href="https://www.flughafen-zuerich.ch/en/business/airlines-and-handling/flight-operations/aircraft-docking-guidance-system">https://www.flughafen-zuerich.ch/en/business/airlines-and-handling/flight-operations/aircraft-docking-guidance-system</a></p> <p><b>Stop at parking PSNs C, D, F, G, H, I, P, T, W:</b> Stop bar markings are located to the left with a 90 degree angle to the guide lines. ACFT has to be stopped with the pilot seat ABM the stop bar. (REF: <a href="#">LSZH AD 2.24.3 - 1</a>, inset)</p>
2	RWY/TWY markings and LGT	<p>RWY Centre lines, thresholds, touchdown zone; Taxiway centre line, holding positions, taxi-out lines; apron heliport ICAO markings (REF: <a href="#">LSZH AD 2.24.1 - 1</a>)</p> <p>Where no taxiway centre line markings are applied at runway exits, taxiing clearance distances using "cockpit over TWY CL" not ensured.</p>
3	Stop bars	<p>LIH (REF: <a href="#">LSZH AD 2.24.3 - 1</a> and <a href="#">LSZH AD 2.24.3 - 3</a>) On apron, taxiway centre line light section after stop bars not switchable.</p>
4	Remarks	<p>1. -Backtrack RWY 16: Turn Pad AVBL at THR 16. Turns are executed from left to right only. -Backtrack RWY 34: Turns are executed at E9 from right to left only. -RWY 28: RWY HLDG PSNs are located at 75 m from RCL. (REF: <a href="#">LSZH AD 2.24.1 - 1</a>)</p> <p>2. Use of remote de-icing facilities: Aircraft stop PSN on de-icing lanes C1 / C2 / C3 / F1 / F2 / F3 marked and lighted. Stop PSN markings with yellow lights and the RMK "STOP DE-ICING" are located to the left with a 90 degree angle to the de-icing lane. To commence de-icing, aircraft (all types) has to stop with the pilot seat abeam the stop PSN. When entering the de-icing lane as instructed by "Zurich Apron", ACFT shall taxi independently with caution up to de-icing stop PSN. (REF: <a href="#">LSZH AD 2.24.1 - 1</a>) Be aware of repositioning of de-icing trucks within the remote de-icing facilities.</p>

LSZH AD 2.10 AERODROME OBSTACLES

In approach/TKOF areas			In circling area and at aerodrome				
1			2			3	
RWY/Area affected	Obstacle type Elevation Markings/LGT	Co-ordinates	Obstacle type Elevation Markings/LGT	Co-ordinates	RMK		
a	b	c	a	b	c		
		ft		ft			
AOC 10 (1)	Pole	1420	47 27 23 N 008 34 18 E	Church	1588	47 25 56 N 008 34 38 E	A0087/08
AOC 10 (2)	Pole	1420	47 27 21 N 008 34 18 E	Building LGTD	1483	47 27 27 N 008 34 25 E	A0096/01
AOC 10 (3)	Pole	1422	47 27 26 N 008 34 20 E	Antenna marked/LGTD	1705	47 24 52 N 008 33 56 E	A0164/12
AOC 10 (4)	Pole	1426	47 27 20 N 008 34 20 E	Building LGTD	1690	47 24 49 N 008 33 10 E	A0390/02
AOC 10 (5)	Pole	1428	47 27 23 N 008 34 25 E	Antenna marked/LGTD	1435	47 28 23 N 008 32 23 E	A0198/07
AOC 10 (6)	Enclosure	1433	47 27 27 N 008 34 30 E	Radar marked/LGTD	1526	47 27 52 N 008 33 03 E	A0393/02
AOC 10 (7)	Pole	1436	47 27 23 N 008 34 31 E	Crane/Cranes marked/LGTD	1754	47 24 39 N 008 32 35 E	A0285/20
AOC 10 (8)	Pole	1440	47 27 20 N 008 34 31 E	RVR Camera	1400	47 28 49 N 008 32 12 E	A0281/08
AOC 10 (9)	Pole	1442	47 27 22 N 008 34 34 E	Antenna marked/LGTD	1766	47 24 39 N 008 32 38 E	A0635/08
AOC 10 (10)	Pole	1445	47 27 23 N 008 34 35 E	Antenna LGTD	1591	47 26 56 N 008 34 33 E	A0285/00
AOC 10 (11)	Tree/Trees	1448	47 27 18 N 008 34 35 E	Antenna marked/LGTD	2148	47 25 17 N 008 27 48 E	A0262/07
AOC 10 (12)	Tree/Trees	1452	47 27 18 N 008 34 35 E	Antenna marked/LGTD	1591	47 26 59 N 008 34 26 E	
AOC 10 (13)	Tree/Trees	1461	47 27 24 N 008 34 38 E	Tower/Mast LGTD	1683	47 26 30 N 008 34 55 E	
AOC 10 (14)	Tree/Trees	1478	47 27 26 N 008 34 40 E	Crane/Cranes marked/LGTD	1516	47 23 35 N 008 30 29 E	
AOC 10 (15)	Building	1486	47 27 25 N 008 34 47 E	Tower LGTD	1550	47 27 14 N 008 33 28 E	
AOC 10 (16)	Tree/Trees	1496	47 27 27 N 008 34 58 E	Antenna LGTD	1473	47 28 43 N 008 31 47 E	
AOC 10 (17)	Tree/Trees	1511	47 27 25 N 008 35 15 E	Tower/Mast	2168	47 26 11 N 008 24 28 E	A0154/10
AOC 10 (18)	Tree/Trees	1515	47 27 27 N 008 35 20 E	Antenna marked/LGTD	1699	47 25 22 N 008 32 14 E	
AOC 10 (19)	Tree/Trees	1536	47 27 26 N 008 35 21 E	Building LGTD	1476	47 27 29 N 008 34 24 E	
AOC 10 (20)	Tree/Trees	1548	47 27 25 N 008 35 22 E	Antenna LGTD	1532	47 26 43 N 008 32 57 E	
AOC 10 (21)	Tree/Trees	1554	47 27 25 N 008 35 23 E	Tree/Trees	1611	47 26 31 N 008 34 20 E	
AOC 10 (22)	Antenna	1569	47 27 25 N 008 35 24 E	Building	1532	47 27 13 N 008 34 13 E	
AOC 10 (23)	Tree/Trees	1572	47 27 25 N 008 35 25 E	Antenna LGTD	1545	47 27 14 N 008 33 52 E	
AOC 10 (24)	Tree/Trees	1603	47 27 09 N 008 35 53 E	Antenna LGTD	1421	47 27 26 N 008 32 44 E	
AOC 10 (25)	Tree/Trees	1620	47 27 08 N 008 35 54 E				

In approach/TKOF areas				In circling area and at aerodrome			
1				2			3
RWY/Area affected	Obstacle type Elevation Markings/LGT	Co-ordinates		Obstacle type Elevation Markings/LGT	Co-ordinates		RMK
a	b	c		a	b	c	
	ft				ft		
AOC 10 (26)	Tree/Trees	1631	47 27 02 N 008 36 01 E				
AOC 10 (27)	Tree/Trees	1633	47 27 13 N 008 36 14 E				
AOC 10 (28)	Tree/Trees	1676	47 27 11 N 008 36 15 E				
AOC 28 (1)	Pole	1416	47 27 30 N 008 31 44 E	Antenna LGTD	2881	47 28 54 N 008 24 10 E	A0492/06
AOC 28 (2)	Building	1433	47 27 35 N 008 31 41 E	RVR Camera	1402	47 28 50 N 008 32 14 E	A0279/08
AOC 28 (3)	Building	1435	47 27 36 N 008 31 41 E	Pole	1956	47 27 01 N 008 40 02 E	A0413/06
AOC 28 (4)	Building	1438	47 27 36 N 008 31 41 E	Pole	2002	47 27 15 N 008 39 44 E	A0412/06
AOC 28 (5)	Tree/Trees	1453	47 27 29 N 008 31 35 E	Pole	1998	47 27 23 N 008 39 36 E	A0411/06
AOC 28 (6)	Transmission line	1464	47 27 29 N 008 31 23 E	Crane/Cranes marked/LGTD	1582	47 27 08 N 008 33 39 E	A0107/02
AOC 28 (7)	Transmission line	1465	47 27 29 N 008 31 23 E	Pole LGTD	1451	47 27 38 N 008 33 38 E	A0289/02
AOC 28 (8)	Tree/Trees	1499	47 27 33 N 008 31 08 E	Tower marked/LGTD	1684	47 26 30 N 008 34 55 E	A0045/22
AOC 28 (9)	Tree/Trees	1520	47 27 34 N 008 31 05 E	Antenna marked/LGTD	1542	47 27 12 N 008 34 05 E	A0316/02
AOC 28 (10)	Tree/Trees	1549	47 27 39 N 008 30 50 E	Antenna LGTD	1533	47 26 12 N 008 34 17 E	A0041/03
AOC 28 (11)	Tree/Trees	1585	47 27 31 N 008 30 43 E	Antenna marked	1533	47 27 32 N 008 34 34 E	A0391/02
AOC 28 (12)	Tree/Trees	1588	47 27 34 N 008 30 42 E	Antenna marked	1441	47 29 03 N 008 32 12 E	A0385/02
AOC 28 (13)	Tree/Trees	1599	47 27 28 N 008 30 40 E	Pole	2044	47 27 32 N 008 39 27 E	A0410/06
AOC 28 (14)	Tree/Trees	1602	47 27 28 N 008 30 36 E	Building	1605	47 23 08 N 008 31 52 E	A0264/04
AOC 28 (15)	Tree/Trees	1604	47 27 32 N 008 30 36 E	Pole LGTD	1444	47 27 32 N 008 33 39 E	A0359/02
AOC 28 (16)	Tree/Trees	1609	47 27 34 N 008 30 34 E	Crane/Cranes marked/LGTD	1598	47 26 25 N 008 34 16 E	A0308/19
AOC 28 (17)	Tree/Trees	1609	47 27 31 N 008 30 33 E	Pole LGTD	1500	47 27 58 N 008 32 56 E	A0361/02
AOC 28 (18)	Tree/Trees	1617	47 27 28 N 008 30 32 E	Tree/Trees	2054	47 27 29 N 008 40 19 E	A0416/06
AOC 28 (19)	Tree/Trees	1623	47 27 37 N 008 30 27 E	Tree/Trees	2012	47 27 33 N 008 38 51 E	A0415/06
AOC 28 (20)	Tree/Trees	1629	47 27 43 N 008 30 25 E	Tree/Trees	1943	47 27 34 N 008 37 13 E	A0414/06
AOC 28 (21)	Tree/Trees	1640	47 27 49 N 008 30 23 E	Tower marked/LGTD	1851	47 27 29 N 008 36 38 E	A0043/22
AOC 28 (22)	Tree/Trees	1645	47 27 49 N 008 30 21 E	Tower marked/LGTD	1669	47 26 05 N 008 32 26 E	A0044/22
AOC 28 (23)	Tree/Trees	1701	47 27 26 N 008 29 29 E	RVR Camera	1383	47 28 15 N 008 32 13 E	A0277/08

In approach/TKOF areas				In circling area and at aerodrome			
1				2			3
RWY/Area affected	Obstacle type Elevation Markings/LGT	Co-ordinates		Obstacle type Elevation Markings/LGT	Co-ordinates	RMK	
a	b	c		a	b	c	
		ft			ft		
AOC 28 (24)	Tree/Trees	1772	47 27 25 N 008 29 20 E	Pole marked/LGTD	1772	47 27 47 N 008 35 51 E	A0348/01
AOC 28 (25)	Tree/Trees	1804	47 27 20 N 008 28 47 E	Pole marked/LGTD	1800	47 27 47 N 008 35 51 E	A0042/22
AOC 28 (26)	Tree/Trees	1812	47 27 21 N 008 28 45 E	Antenna marked/LGTD	1542	47 27 12 N 008 34 05 E	A0316/02
AOC 28 (27)	Tree/Trees	1876	47 27 50 N 008 27 26 E	Antenna marked/LGTD	1459	47 28 46 N 008 31 46 E	A0286/10
AOC 28 (28)	Tree/Trees	1881	47 27 48 N 008 27 23 E	Pole marked/LGTD	1646	47 27 26 N 008 30 39 E	A0246/09
AOC 28 (29)	Tree/Trees	1915	47 27 46 N 008 27 18 E	Pole marked/LGTD	1748	47 26 51 N 008 31 10 E	A0245/09
AOC 14 (1)	Pole	1408	47 27 41 N 008 33 58 E	Pole LGTD	1506	47 26 38 N 008 33 41 E	A0467/03
AOC 14 (2)	Pole	1410	47 27 39 N 008 33 56 E	Building LGTD	1529	47 26 34 N 008 33 51 E	B0615/03
AOC 14 (3)	Pole	1414	47 27 37 N 008 33 57 E	Radar LGTD	1609	47 26 54 N 008 34 38 E	A0491/17
AOC 14 (4)	Pole	1420	47 27 35 N 008 33 58 E	Pole LGTD	2340	47 21 59 N 008 35 36 E	A0391/03
AOC 14 (5)	Building	1423	47 27 35 N 008 34 06 E	Pole LGTD	2264	47 22 13 N 008 36 20 E	A0390/03
AOC 14 (6)	Pole	1434	47 27 30 N 008 33 58 E	Pole LGTD	1474	47 26 36 N 008 33 38 E	A0468/03
AOC 14 (7)	Pole	1445	47 27 30 N 008 34 01 E	Antenna marked/LGTD	1709	47 28 16 N 008 30 11 E	B0506/05
AOC 14 (8)	Tree/Trees	1457	47 27 33 N 008 34 11 E	Building LGTD	1739	47 23 10 N 008 31 02 E	A0070/09
AOC 14 (9)	Tree/Trees	1476	47 27 33 N 008 34 12 E	Antenna marked/LGTD	1477	47 25 59 N 008 33 42 E	A0068/09
AOC 14 (10)	Building	1531	47 27 13 N 008 34 16 E	Tower/Mast marked/LGTD	1687	47 28 14 N 008 34 00 E	A0229/06
AOC 14 (11)	Building	1532	47 27 12 N 008 34 17 E	Tower/Mast marked/LGTD	1841	47 27 12 N 008 37 19 E	A0228/06
AOC 14 (12)	Tree/Trees	1561	47 27 01 N 008 34 30 E	Tower/Mast marked/LGTD	2081	47 20 53 N 008 28 01 E	A0269/06
AOC 14 (13)	Tree/Trees	1587	47 27 00 N 008 34 31 E	Tower/Mast marked/LGTD	1897	47 20 28 N 008 27 43 E	A0268/06
AOC 14 (14)	Tree/Trees	1594	47 27 01 N 008 34 35 E	Antenna	1398	47 27 05 N 008 33 07 E	A0356/06
AOC 14 (15)	Tree/Trees	1597	47 27 00 N 008 34 38 E	Antenna marked/LGTD	1779	47 31 15 N 008 42 57 E	A0405/09
AOC 14 (16)	Building	1619	47 26 54 N 008 34 37 E	Antenna marked/LGTD	1459	47 28 46 N 008 31 46 E	A0285/10
AOC 14 (17)	Tree/Trees	1650	47 26 45 N 008 34 59 E	Antenna	1917	47 31 13 N 008 34 18 E	A0162/11
AOC 14 (18)	Tree/Trees	1658	47 26 43 N 008 34 59 E	Antenna marked/LGTD	1762	47 23 10 N 008 31 02 E	A0076/11
AOC 14 (19)	Tree/Trees	1673	47 26 37 N 008 35 08 E	Building LGTD	1710	47 23 23 N 008 31 38 E	A0161/16
AOC 14 (20)	Tree/Trees	1675	47 26 37 N 008 35 08 E	Antenna LGTD	1521	47 26 45 N 008 33 08 E	A0647/12

In approach/TKOF areas				In circling area and at aerodrome			
1				2		3	
RWY/Area affected	Obstacle type Elevation Markings/LGT	Co-ordinates		Obstacle type Elevation Markings/LGT	Co-ordinates	RMK	
a	b	c		a	b	c	
		ft			ft		
AOC 14 (21)	Tree/Trees	1682	47 26 35 N 008 35 13 E	Antenna LGTD	1429	47 27 51 N 008 32 29 E	A0411/13
AOC 14 (22)	Tree/Trees	1686	47 26 33 N 008 35 16 E	Antenna LGTD	1454	47 27 43 N 008 33 59 E	A0406/13
AOC 14 (23)	Tree/Trees	1699	47 26 33 N 008 35 21 E	Antenna marked/LGTD	1419	47 27 36 N 008 33 59 E	A0171/14
AOC 14 (24)	Tree/Trees	1702	47 26 38 N 008 35 32 E	Antenna marked/LGTD	1442	47 28 50 N 008 32 26 E	A0170/14
AOC 14 (25)	Tree/Trees	1753	47 26 37 N 008 35 48 E	Antenna marked/LGTD	1415	47 28 50 N 008 32 26 E	A0169/14
				Crane/Cranes marked/LGTD	1542	47 28 38 N 008 30 03 E	A0183/19
				Building LGTD	1640	47 24 31 N 008 35 29 E	A0060/20
				Power line	158 ft AGL	47 27 41 N 008 39 23 E 47 27 32 N 008 39 27 E 47 27 23 N 008 39 36 E 47 27 15 N 008 39 44 E 47 27 01 N 008 40 02 E	A0409/06
AOC 32 (1)	Pole	1407	47 29 01 N 008 32 03 E	Building marked	1404	47 28 50 N 008 32 26 E	
AOC 32 (2)	Pole	1407	47 29 01 N 008 32 02 E	Building marked	1390	47 28 23 N 008 32 23 E	
AOC 32 (3)	Pole	1409	47 29 00 N 008 31 59 E	Pole LGTD	1465	47 27 29 N 008 31 23 E	A0304/16
AOC 32 (4)	Pole	1410	47 29 01 N 008 31 57 E	Chimney LGTD	1538	47 26 57 N 008 33 59 E	A0059/20
AOC 32 (5)	Enclosure	1422	47 29 10 N 008 31 55 E	Crane/Cranes marked/LGTD	1586	47 27 03 N 008 35 07 E	A0675/21
AOC 32 (6)	Enclosure	1422	47 29 10 N 008 31 55 E	Pole marked/LGTD	1526	47 27 59 N 008 32 57 E	A0269/18
AOC 32 (7)	Tree/Trees	1428	47 29 11 N 008 31 56 E	Antenna	1541	47 27 05 N 008 31 49 E	A0450/17
AOC 32 (8)	Tree/Trees	1435	47 29 11 N 008 31 54 E	Building LGTD	1486	47 26 23 N 008 33 53 E	A0469/16
AOC 32 (9)	Tree/Trees	1444	47 29 18 N 008 31 49 E	Building LGTD	1475	47 26 23 N 008 33 52 E	A0468/16
AOC 32 (10)	Tree/Trees	1463	47 29 24 N 008 31 28 E	Tree/Trees	1584	47 26 56 N 008 34 41 E	A0490/16
AOC 32 (11)	Tree/Trees	1464	47 29 24 N 008 31 28 E	Crane/Cranes marked/LGTD	1709	47 22 40 N 008 32 49 E	A0518/16
AOC 32 (12)	Tree/Trees	1479	47 29 25 N 008 31 27 E	Antenna marked/LGTD	1524	47 27 15 N 008 33 52 E	A0658/21
AOC 32 (13)	Tree/Trees	1501	47 29 45 N 008 31 21 E	Antenna marked/LGTD	1488	47 27 17 N 008 34 11 E	A0657/21
AOC 32 (14)	Tree/Trees	1509	47 29 45 N 008 31 21 E	Antenna marked/LGTD	1541	47 26 55 N 008 33 44 E	A0180/17

In approach/TKOF areas				In circling area and at aerodrome			
1				2			3
RWY/Area affected	Obstacle type Elevation Markings/LGT	Co-ordinates		Obstacle type Elevation Markings/LGT	Co-ordinates	RMK	
a	b		c	a	b	c	
		ft			ft		
AOC 32 (15)	Tree/Trees	1625	47 30 41 N 008 29 39 E	Antenna marked/LGTD	1427 47 28 17 N 008 32 11 E	A0656/21	
AOC 32 (16)	Tree/Trees	1633	47 30 43 N 008 29 40 E	Antenna marked/LGTD	1436 47 28 26 N 008 33 01 E	A0655/21	
AOC 32 (17)	Tree/Trees	1638	47 30 48 N 008 29 45 E	Crane/Cranes marked/LGTD	1800 47 24 40 N 008 32 39 E	A0251/22	
AOC 32 (18)	Tree/Trees	1655	47 30 51 N 008 29 45 E				
AOC 32 (19)	Tree/Trees	1662	47 30 55 N 008 29 40 E				
AOC 32 (20)	Tree/Trees	1667	47 30 59 N 008 29 40 E				
AOC 16 (1)	Pole	1387	47 26 42 N 008 33 26 E				
AOC 16 (2)	Structure	1397	47 26 38 N 008 33 33 E				
AOC 16 (3)	Pole	1405	47 26 34 N 008 33 37 E				
AOC 16 (4)	Pole	1410	47 26 33 N 008 33 39 E				
AOC 16 (5)	Pole	1414	47 26 30 N 008 33 39 E				
AOC 16 (6)	Pole	1416	47 26 30 N 008 33 41 E				
AOC 16 (7)	Pole	1421	47 26 26 N 008 33 38 E				
AOC 16 (8)	Pole	1423	47 26 24 N 008 33 36 E				
AOC 16 (9)	Pole	1429	47 26 20 N 008 33 34 E				
AOC 16 (10)	Pole	1432	47 26 20 N 008 33 36 E				
AOC 16 (11)	Building	1436	47 26 20 N 008 33 46 E				
AOC 16 (12)	Tree/Trees	1444	47 26 19 N 008 33 50 E				
AOC 16 (13)	Building	1446	47 26 18 N 008 33 48 E				
AOC 16 (14)	Transmission line	1454	47 26 18 N 008 33 52 E				
AOC 16 (15)	Tree/Trees	1468	47 26 12 N 008 33 53 E				
AOC 16 (16)	Building	1472	47 26 04 N 008 33 39 E				
AOC 16 (17)	Building	1486	47 25 59 N 008 33 42 E				
AOC 16 (18)	Building	1508	47 25 44 N 008 33 52 E				
AOC 16 (19)	Building	1511	47 25 43 N 008 33 52 E				
AOC 16 (20)	Building	1544	47 25 29 N 008 34 28 E				

In approach/TKOF areas				In circling area and at aerodrome		
1				2		3
RWY/Area affected	Obstacle type Elevation Markings/LGT	Co-ordinates		Obstacle type Elevation Markings/LGT	Co-ordinates	RMK
a	b		c	a	b	c
		ft			ft	
AOC 16 (21)	Building	1554	47 25 29 N 008 34 29 E			
AOC 16 (22)	Building	1565	47 25 27 N 008 34 30 E			
AOC 16 (23)	Building	1566	47 25 27 N 008 34 30 E			
AOC 16 (24)	Building	1701	47 23 58 N 008 36 00 E			
AOC 16 (25)	Building	1768	47 23 58 N 008 36 01 E			
AOC 16 (26)	Transmission line	1921	47 22 14 N 008 37 49 E			
AOC 16 (27)	Transmission line	1927	47 22 14 N 008 37 49 E			
AOC 34 (1)	Pole	1396	47 28 36 N 008 32 07 E			
AOC 34 (2)	Pole	1397	47 28 37 N 008 32 07 E			
AOC 34 (3)	Pole	1398	47 28 38 N 008 32 06 E			
AOC 34 (4)	Pole	1398	47 28 39 N 008 32 05 E			
AOC 34 (5)	Pole	1405	47 28 41 N 008 32 04 E			
AOC 34 (6)	Pole	1409	47 28 45 N 008 32 01 E			
AOC 34 (7)	Building	1417	47 28 44 N 008 31 56 E			
AOC 34 (8)	Tree/Trees	1445	47 29 03 N 008 31 41 E			
AOC 34 (9)	Tree/Trees	1458	47 29 05 N 008 31 41 E			
AOC 34 (10)	Tree/Trees	1490	47 29 34 N 008 31 44 E			
AOC 34 (11)	Tree/Trees	1537	47 29 35 N 008 31 43 E			
AOC 34 (12)	Tree/Trees	1564	47 29 48 N 008 31 22 E			
AOC 34 (13)	Tree/Trees	1565	47 29 51 N 008 31 33 E			

Refer also to AOC 10, LSZH AD 2.24.4 - 1; AOC 28, LSZH AD 2.24.4 - 3; AOC 14, LSZH AD 2.24.4 - 5; AOC 32, LSZH AD 2.24.4 - 7; AOC 16, LSZH AD 2.24.4 - 9; AOC 34, 24.4 -11

**LSZH AD 2.11 METEOROLOGICAL INFORMATION PROVIDED**

1	Associated MET Office	MeteoSwiss
2	Hours of service	H24
3	Office responsible for TAF preparation Periods of validity	MeteoSwiss, Zurich 30 hours
4	Type of landing forecast	Trend; issuance: HH+20, HH+50
5	Briefing/consultation provided	Self Briefing Service (www.skybriefing.com), (TAMSI <sup>1</sup> ), Briefing officer
6	Flight documentation Language(s) used	Digital and hard copy En, Ge, Fr
7	Charts and other information available for briefing or consultation	All area forecast charts available worldwide
8	Supplementary equipment available for providing information	Weather Radar, Satellite Pictures
9	ATS units provided with information	Zurich TWR / APP
10	Additional information (limitation of service, etc.)	Manned briefing between 0400 and 2100 (0300 and 2000). Weather briefing: Phone: 0900 162 737 (Ge); accessible within Switzerland Weather alert: orange FLG lights are ACT on apron areas if a lightning warning is active, red FLG lights are ACT on apron areas if a handling & fueling stop is required due to immediate adverse meteorological conditions. The warning lights are operated by the Airport Authority.

1. TAMSI = TAF METAR SIGMET

**LSZH AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS**

Designations RWY NR	TRUE & MAG BRG	Dimensions of RWY (m)	Strength (PCN) and surface of RWY and SWY	THR COORD	THR ELEV and highest TDZ ELEV	Slope of RWY-SWY
1	2	3	4	5	6	7
10*	096° GEO 093° MAG	2500 x 60	ASPH*** PCN 86 F/B/W/T	47 27 32.18N 008 32 14.93E GUND 47.3 m / 155.2 ft	1391 ft 1392 ft	Refer to LSZH AOC 16/34/32, 10/28
28*	276° GEO 273° MAG			47 27 23.76N 008 34 13.63E GUND 47.2 m / 155.0 ft	1416 ft 1417 ft	
14	137° GEO 134° MAG	3300 x 60	ASPH** PCN 87 F/A/W/T	47 28 55.53N 008 32 09.87E GUND 47.3 m / 155.3 ft	1402 ft 1402 ft	
32	317° GEO 314° MAG			47 27 40.65N 008 33 52.06E GUND 47.3 m / 155.0 ft	1402 ft 1402 ft	
16*	155° GEO 152° MAG	3700 x 60	ASPH** PCN 87 F/B/W/T	47 28 32.57N 008 32 09.37E GUND 47.3 m / 155.2 ft	1390 ft 1390 ft	
34*	335° GEO 332° MAG			47 26 57.39N 008 33 14.91E GUND 47.3 m / 155.0 ft	1388 ft 1389 ft	

\* MAG VAR tolerance for RWY designators exceeded.

\*\* Central strip 23 m wide; remaining side strips CONC PCN 60 R/B/W/T.

\*\*\* Central strip 23 m wide; remaining side strips CONC PCN 86 R/B/W/T.

**LSZH AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY**

1	ABN/IBN location, characteristics and hours of operation	NIL
2	LDI location and LGT Anemometer location and LGT	WDI LGTD
3	TWY edge and centre line lighting	EDGE: LIL, B7; Apron area, L, L7, G, R, S, T, RWY exits, TWY curves. CL: LIH, G; coded Y/G on ILS critical/sensitive areas; TWY A, A1, B, B1, B9, C, C1, C2, C3, D, E, E1, E2, E3, E5, E7, E8, E9, F, F1, F2, F3, H, H1, H2, H3, INNER, J, K, L9, Link 1, Link 2, Link 3, Link 4, Link 5, Link 6, Link 7, M, N, P and Z. RETIL: H1 RGL: A1, B, B1, B7, B9, E, E1, E2, E3, E5, E6, E7, E8, E9, F, G, H1, H2, H3, J, K, L, L7, L9, R7 and R8. Apron + Stop bars: Refer to LSZH AD 2.24.3 - 1 and LSZH AD 2.24.3 - 3.
4	Secondary power supply/switch-over time	CAT I, CAT II & CAT III MAX 1 s.
5	Remarks	Obstacles marked and LGTD

**LSZH AD 2.16 HELICOPTER LANDING AREA**

1	Coordinates TLOF or THR of FATO	THR 01: 47 26 57.90 N 008 32 51.89 E GUND 47.3m / 155.1 ft THR 19: 47 27 06.77 N 008 32 56.13 E GUND 47.3 m / 155.1 ft
2	TLOF and/or FATO elevation M/FT	FATO: 421 m / 1382 ft
3	TLOF and FATO area dimensions, surface, strength, marking	TLOF: 10 stands, diameter 9.5 m Distance between centre of stands: 28 m Surface: ASPH FATO: 25 x 290 m, grass
4	True and MAG BRG of FATO	FATO THR H01: GEO: 018° MAG: 015° FATO THR H19: GEO: 198° MAG: 195°
5	Declared distance available	Ref: VFRM Zürich HEL, LSZH AD INFO 3
6	APP and FATO lighting	FATO lighted
7	Remarks	The geographical coordinates of helicopter stands are not published in AIP. The stand protection area is 28 m in diameter instead of 34 m required. Simultaneous operations on Heliport West are not allowed due to overlapping of safety areas. It is the Pilot's responsibility to avoid simultaneous operation between: <ul style="list-style-type: none"> <li>• Adjacent helicopter stand</li> <li>• Helicopter stands and FATO</li> <li>• FATO and the taxilane SIERRA</li> </ul> HEL TKOF or LDG shall take place on FATO, RWY or designated helicopter landing area. Air taxi shall only take place on RWYs, TWYs and at Heliport West. Air taxi and/or taxi are considered as ground movements. ATC does not apply wake turbulence separation to ground movements and it is the pilot in commands responsibility to be aware of and avoid as far as practicable, turbulent wake hazards. HEL OPS at GA sectors 1-4 is prohibited, except HEMS. Unless otherwise directed by air traffic control, the last assigned SSR code shall be retained. If no SSR code has been assigned, Mode A code 2000 (for repositioning) or 7000 (for VFR flights) shall be selected. Detailed charts: VFR Manual

**LSZH AD 2.17      ATS AIRSPACE**

1	Designation and lateral limits	<p><b>Zurich CTR 1</b> 47 24 38 N 008 45 30 E - 47 22 31 N 008 39 41 E - 47 21 06 N 008 20 25 E - 47 27 41 N 008 19 48 E - arc of circle with radius 9 NM centred on 47 27 36 N 008 33 02 E - 47 24 38 N 008 45 30 E</p> <p><b>Zurich CTR 2</b> 47 23 04 N 008 41 11 E - 47 14 54 N 008 47 34 E - 47 13 28 N 008 39 59 E - 47 14 12 N 008 37 08 E - 47 21 57 N 008 31 49 E - 47 22 31 N 008 39 41 E - 47 23 04 N 008 41 11 E</p>
2	Vertical limits	CTR 1: 4500 ft AMSL (1350 m) CTR 2: 5500 ft AMSL (1700 m)
3	Airspace classification	D
4	ATS unit call sign Language(s)	CTR 1: Zurich TWR, En CTR 2: Dubendorf TWR, En
5	Transition altitude	7000 ft
6	Remarks	NIL

**LSZH AD 2.18      ATS COMMUNICATION FACILITIES**

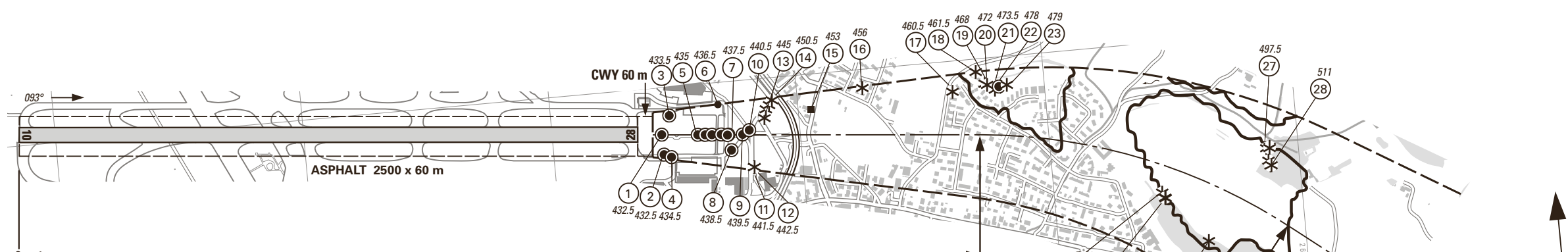
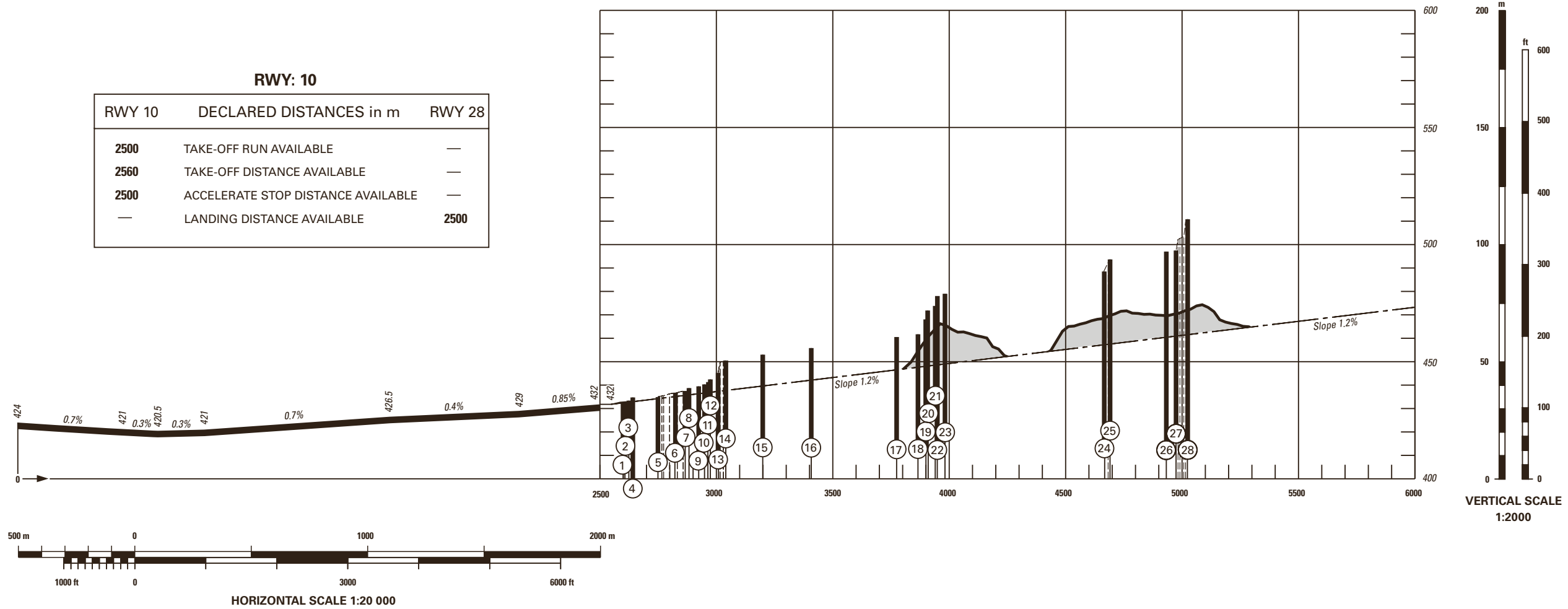
Service designation	Call sign	Frequency	Hours of Operation	Remarks
1	2	3	4	5
ZURICH AREA		121.500 MHz	H24	<b>Language: En</b> Emergency channel
ATIS ARR		125.730 MHz	H24	Phone: Service +41 (0) 43 931 60 72
ATIS DEP		129.005 MHz	H24	Phone: Service +41 (0) 43 931 60 73
APP/SR VDF <sup>1)</sup>	Zurich Arrival do. Zurich Departure Zurich Final	130.560 MHz 135.230 MHz 125.955 MHz 125.330 MHz 120.750 MHz	H24 H24 HX* HX* HX*	ARR ACFT via GIPOL ARR ACFT via AMIKI and RILAX DEP ACFT *only on ATC instruction ALTN FREQ for all APP services (Zurich Arrival, Departure and Final)
TWR VDF <sup>1)</sup>	Zurich Tower do. do.	118.100 MHz 120.230 MHz 119.700 MHz	H24 H24 H24	Primary APCH RWY 14 and TKOF RWY 32 ALTN FREQ
Dubendorf TWR	Dubendorf Tower	118.975 MHz	HX	See: ENR 2.1 TMA Zurich 5: up to FL095 - if Dubendorf TWR inactive, contact Zurich Information 124.700 MHz
Terminal VDF <sup>1)</sup>	Zurich Terminal	127.755 MHz	H24	VFR FLT within LSZH TMA
CLR DEL	Zurich Delivery	121.930 MHz	H24	ATC clearance for IFR
GND VDF <sup>1)</sup>	Zurich Ground	121.905 MHz 118.100 MHz 119.700 MHz	H24 H24 H24	Primary
De-icing	Pad Coordinator F	121.635 MHz	AVBL if MET COND requires	REF: LSZH AD 2.20, § 5
	Pad Coordinator C	121.640 MHz	AVBL if MET COND requires	REF: LSZH AD 2.20, § 5
	De-icing Coordination	121.810 MHz	H24	
APRON	Zurich Apron do. do. do.	121.755 MHz 121.705 MHz 121.855 MHz 121.980 MHz	0445-2230 (0345-2130) 0445-2230 (0345-2130) 0445-2230 (0345-2130) 0445-2230 (0345-2130)	South of RWY 28 ALTN FREQ North of RWY 28 ALTN FREQ
FIC	Zurich Information	124.700 MHz	H24	For VFR FLT within TMA
Fire Brigade	Florian 1	123.100 MHz	H24*	*Only when fire brigade present on site. REF: LSZH AD 2.6 §4

1. VDF REC antenna PSN: 47 27 01 N 008 34 37 E

VAR 3°E (2020.5)

**RWY: 10**

RWY 10	DECLARED DISTANCES in m	RWY 28
2500	TAKE-OFF RUN AVAILABLE	—
2560	TAKE-OFF DISTANCE AVAILABLE	—
2500	ACCELERATE STOP DISTANCE AVAILABLE	—
—	LANDING DISTANCE AVAILABLE	2500



AMDT RECORD		
No.	DATE	ENTERED BY

**LEGEND**

- ① Identification number
- \* Tree, shrub
- - - Tree, antenna
- Pole, tower, spire, antenna, etc.
- Building, large structure
- Enclosure
- Railroad
- ⌒ Terrain penetrating obstacle plane

COR: OBST, editorial (WEF 15JUN2023)

ORDER OF ACCURACY ACCORDING TO ICAO REQUIREMENTS  
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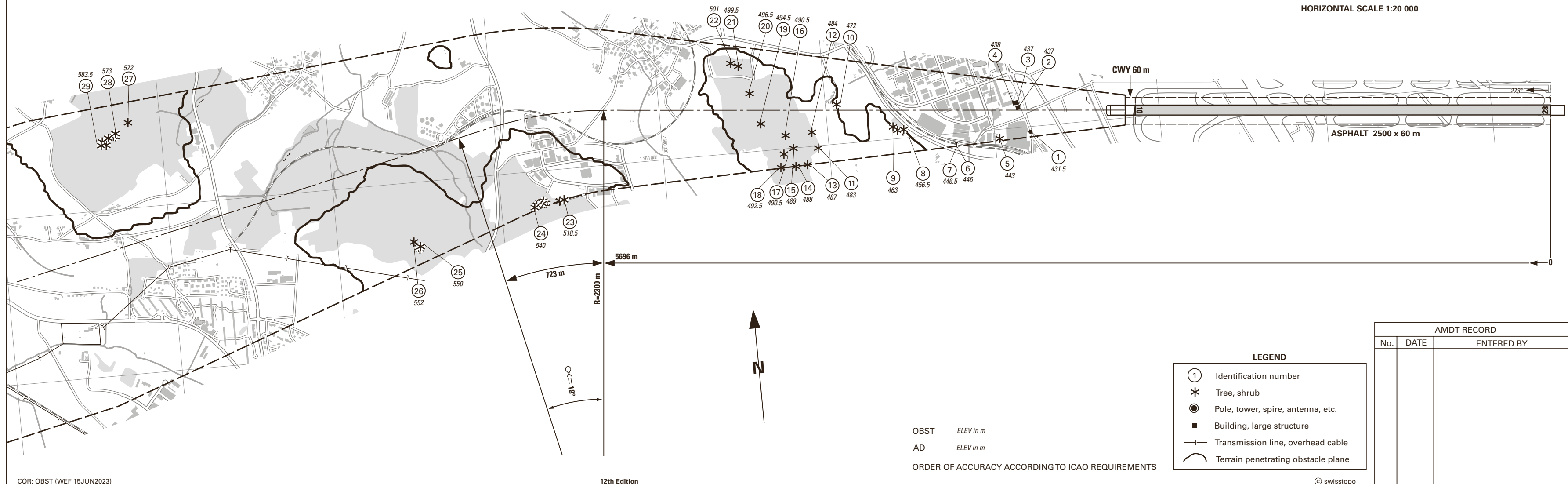
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VAR 3°E (2020.5)

PROFILE see LSZH AD 2.24.4-4

**RWY: 28**

RWY 10	DECLARED DISTANCES in m	RWY 28
—	TAKE-OFF RUN AVAILABLE	2500
—	TAKE-OFF DISTANCE AVAILABLE	2560
—	ACCELERATE STOP DISTANCE AVAILABLE	2500
2500	LANDING DISTANCE AVAILABLE	—



**LEGEND**

①	Identification number
*	Tree, shrub
●	Pole, tower, spire, antenna, etc.
■	Building, large structure
— —	Transmission line, overhead cable
⌒	Terrain penetrating obstacle plane

AMDT RECORD		
No.	DATE	ENTERED BY

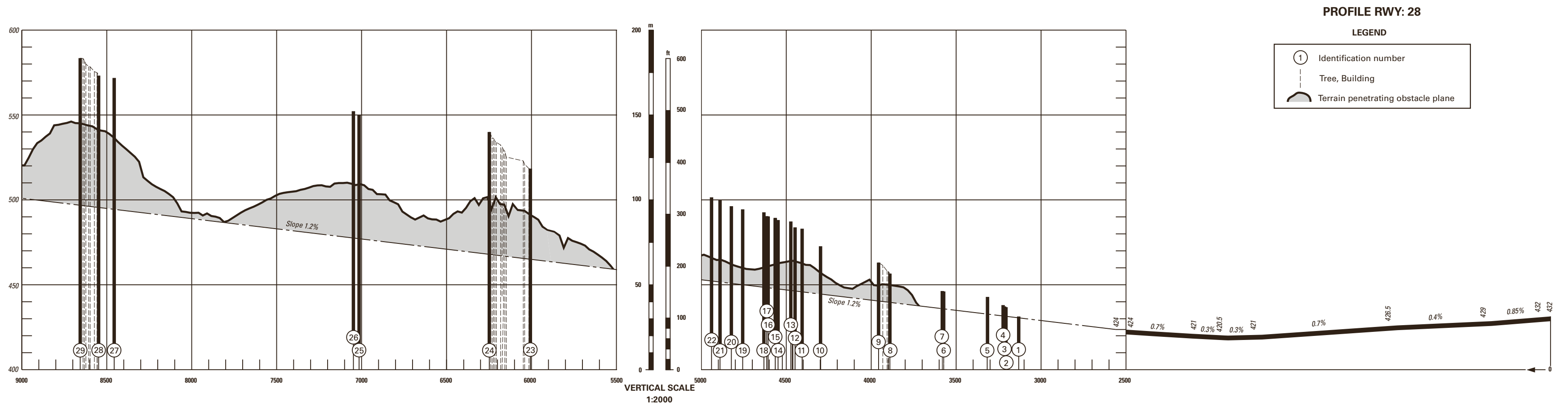
COR: OBST (WEF 15JUN2023)

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VAR 3°E (2020.5)

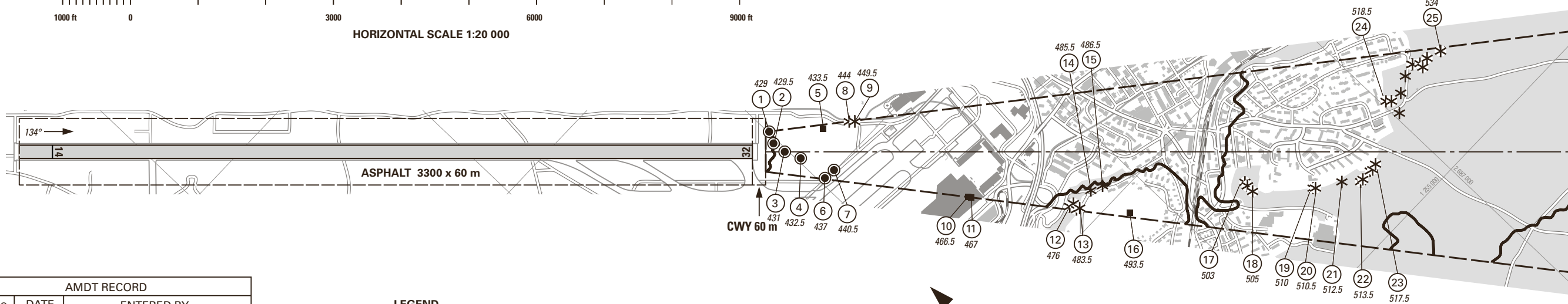
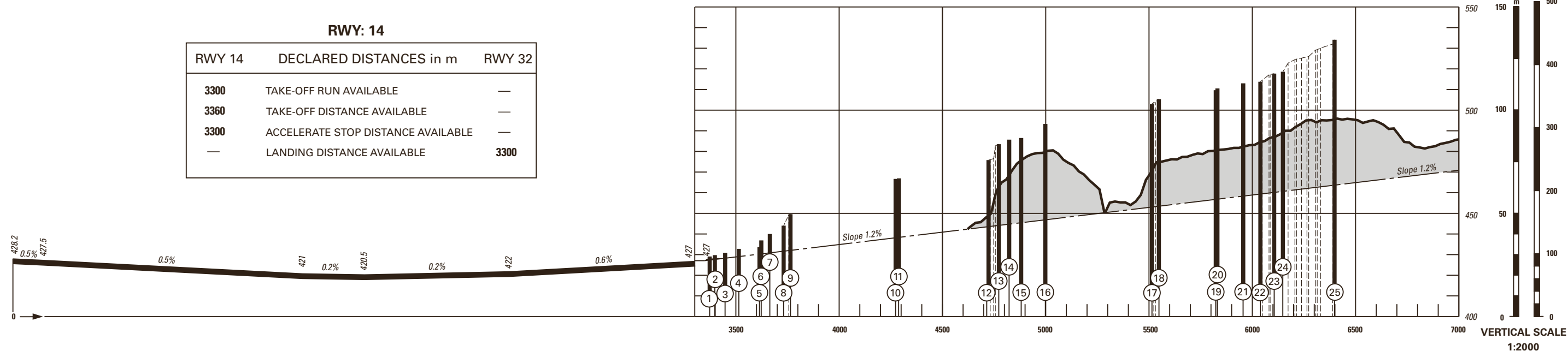
Plan view see LSZH AD 2.24.4-3



VAR 3°E (2020.5)

**RWY: 14**

RWY 14	DECLARED DISTANCES in m	RWY 32
3300	TAKE-OFF RUN AVAILABLE	—
3360	TAKE-OFF DISTANCE AVAILABLE	—
3300	ACCELERATE STOP DISTANCE AVAILABLE	—
—	LANDING DISTANCE AVAILABLE	3300



AMDT RECORD		
No.	DATE	ENTERED BY

**LEGEND**

- ① Identification number
- \* Tree, shrub
- Pole, tower, spire, antenna, etc.
- Building
- Transmission line, overhead cable
- ⌒ Terrain penetrating obstacle plane

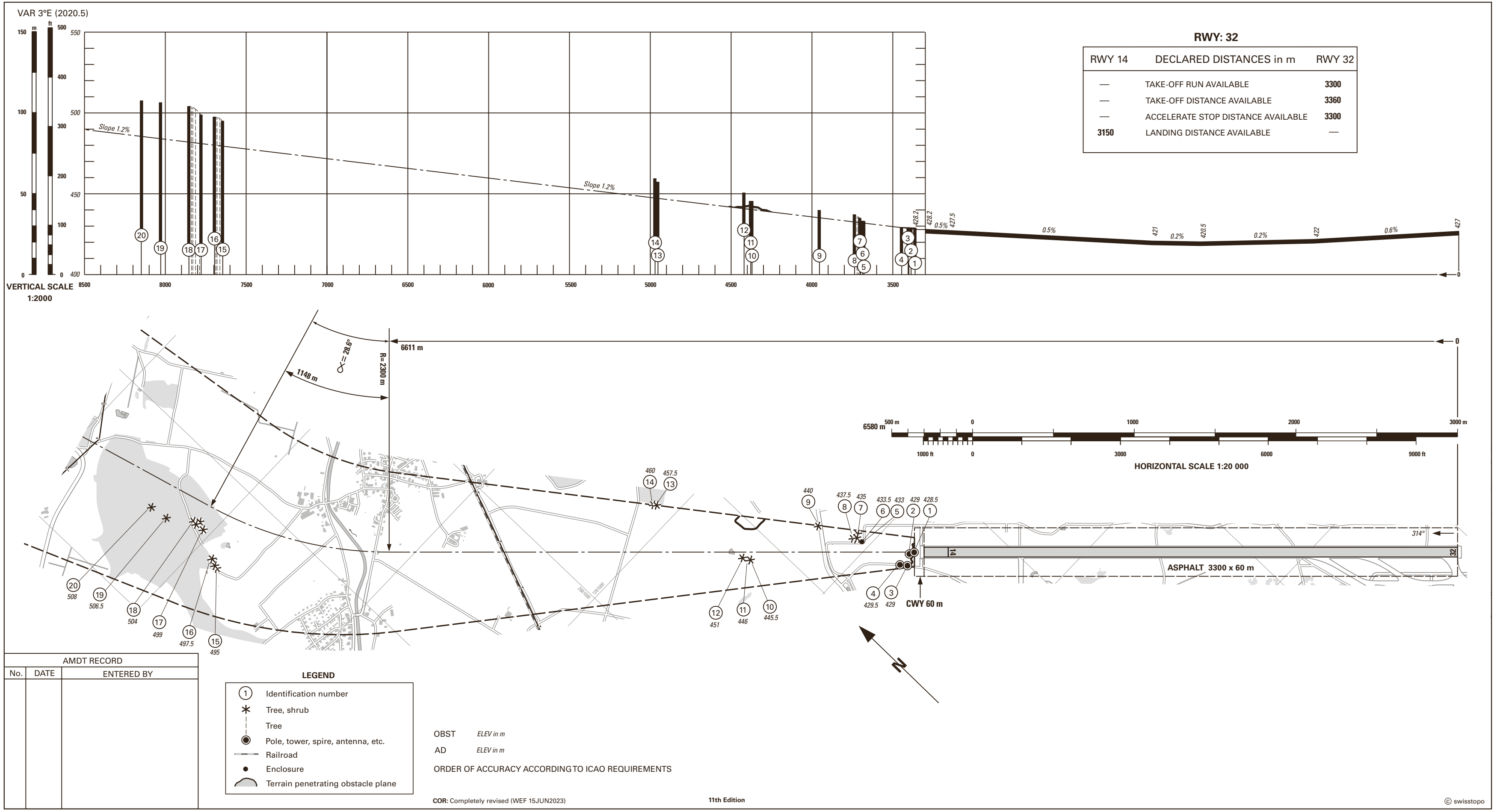
OBST ELEV in m  
AD ELEV in m  
ORDER OF ACCURACY ACCORDING TO ICAO REQUIREMENTS

COR: OBST, editorial (WEF 15JUN2023)

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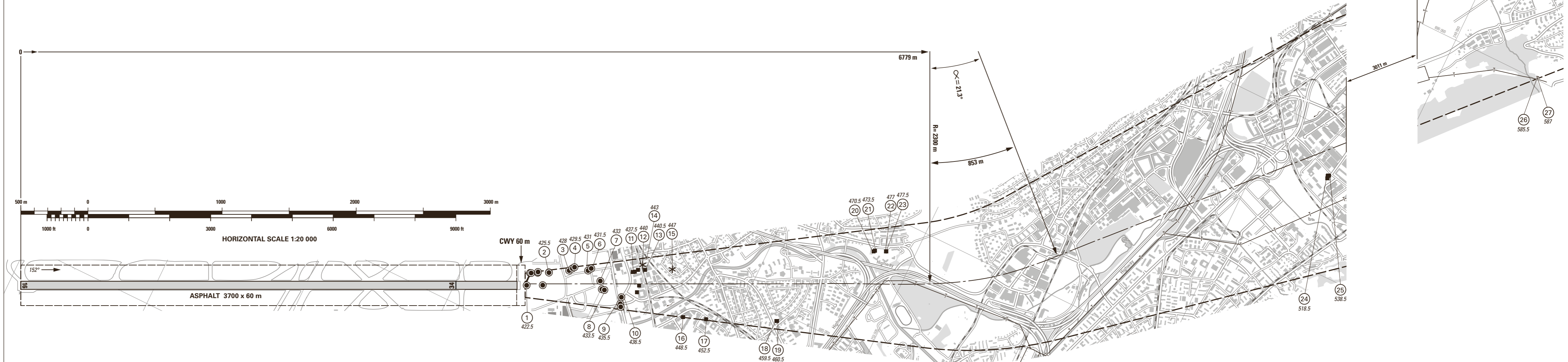
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VAR 3°E (2020.5)

Profile view see LSZH AD 2.24.4-10

**RWY: 16**

RWY 16	DECLARED DISTANCES in m	RWY 34
3700	TAKE-OFF RUN AVAILABLE	—
3760	TAKE-OFF DISTANCE AVAILABLE	—
3700	ACCELERATE STOP DISTANCE AVAILABLE	—
—	LANDING DISTANCE AVAILABLE	3230



AMDT RECORD		
No.	DATE	ENTERED BY

LEGEND	
①	Identification number
*	Tree, shrub
●	Pole, tower, spire, antenna, etc.
■	Building
—	Transmission line, overhead cable
⌒	Terrain penetrating obstacle plane

OBST ELEV in m

AD ELEV in m

ORDER OF ACCURACY ACCORDING TO ICAO REQUIREMENTS

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COR: Completely revised (WEF 15JUN2023)

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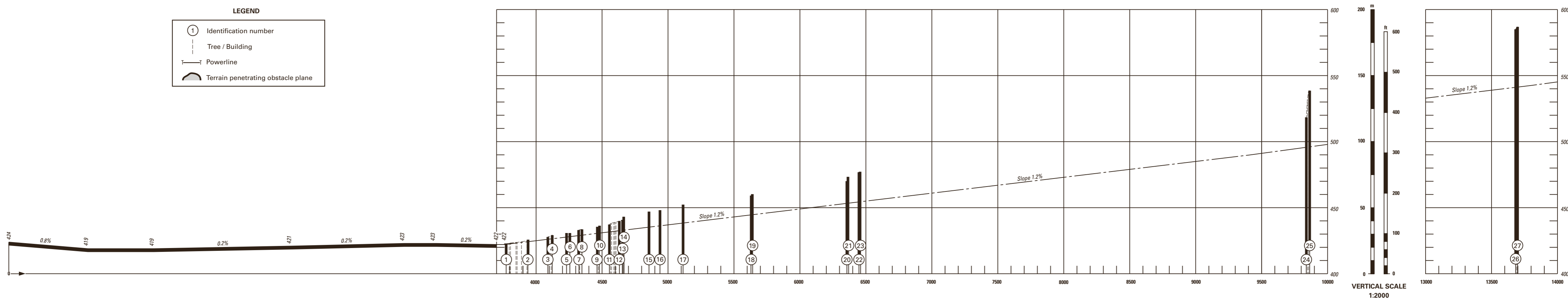
VAR 3°E (2020.5)

Plan view see LSZH AD 2.24.4-9

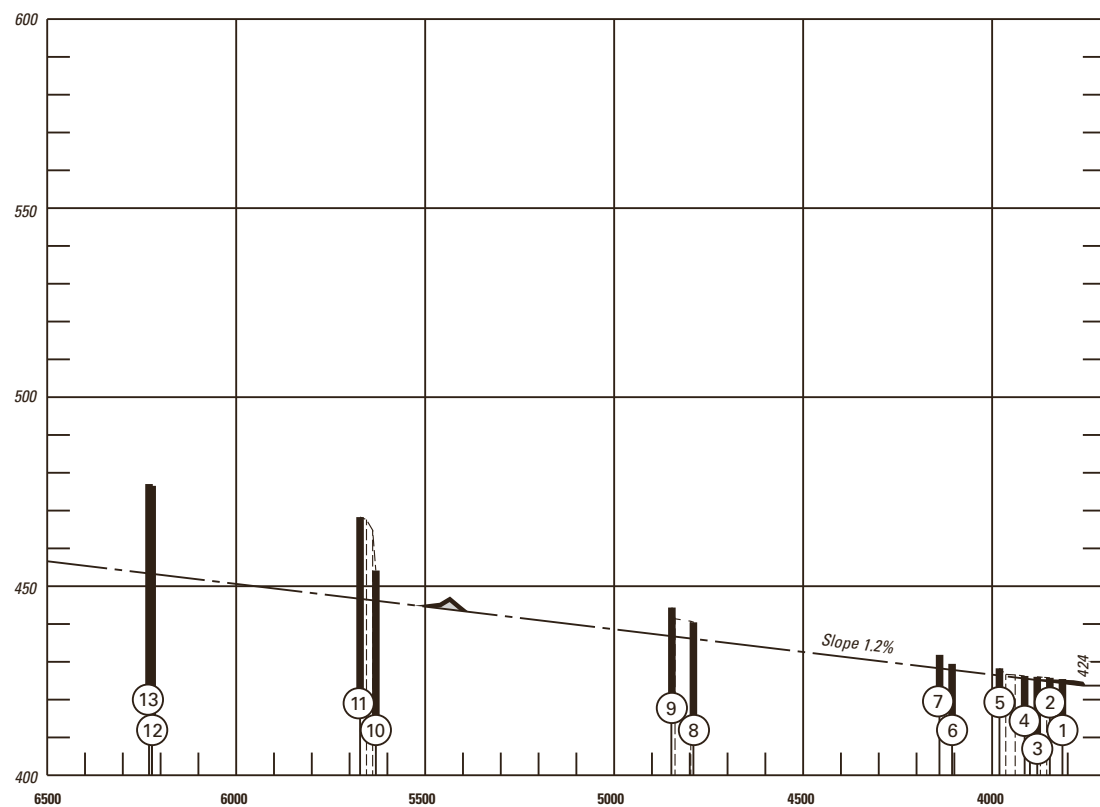
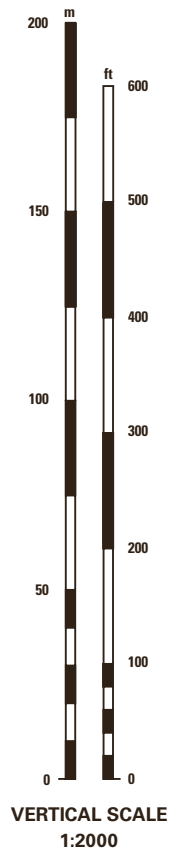
**PROFILE RWY: 16**

**LEGEND**

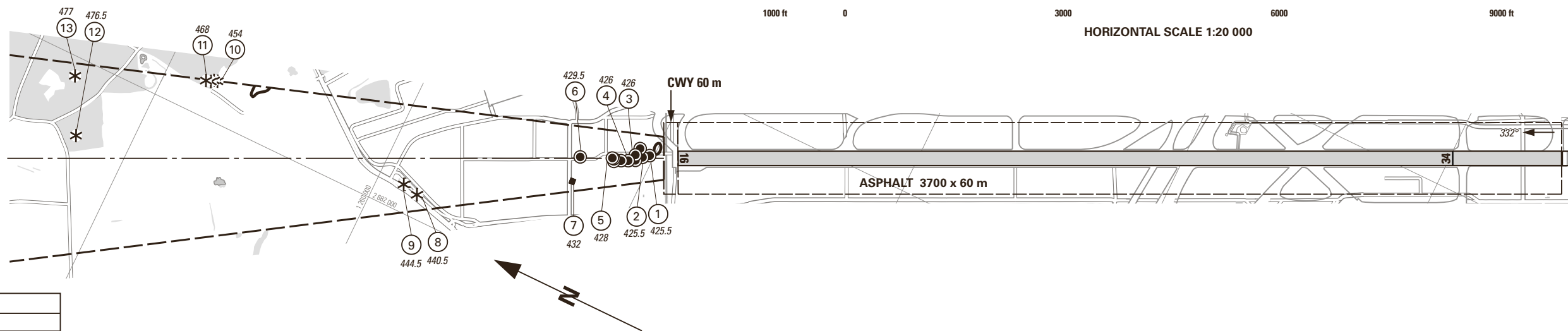
- 1 Identification number
- Tree / Building
- Powerline
- Terrain penetrating obstacle plane



VAR 3°E (2020.5)



RWY: 34		
RWY 16	DECLARED DISTANCES in m	RWY 34
—	TAKE-OFF RUN AVAILABLE	3700
—	TAKE-OFF DISTANCE AVAILABLE	3760
—	ACCELERATE STOP DISTANCE AVAILABLE	3700
3700	LANDING DISTANCE AVAILABLE	—



AMDT RECORD		
No.	DATE	ENTERED BY

LEGEND	
①	Identification number
*	Tree, shrub
●	Pole, tower, spire, antenna, etc.
■	Building, large structure
⤴	Terrain penetrating obstacle plane

OBST ELEV in m  
AD ELEV in m  
ORDER OF ACCURACY ACCORDING TO ICAO REQUIREMENTS

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