

# SWITZERLAND

TEL: +41 (0) 43 931 61 68

Telegraphic address:

AFTN: LSSAYOYX

E-mail: aip@skyguide.ch

skyguide

**AIP Services**  
**CH-8602 WANGEN**  
**BEI DÜBENDORF**

**AIP**

**AMDT 004 2024**

**Effective Date 18 APR 2024**

## RMK

Filing instruction: Insert this AMDT into AIP after inserting AIRAC AMDT of same effective date, if issued.

### 1. Insert the following pages:

GEN 0.2 - 11/12  
GEN 0.4 - 1/2  
GEN 0.4 - 3/4  
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18 APR 2024	ENR 5.4 - 1/2	03 NOV 2022
18 APR 2024	LSZB AD 2 - 3/4	28 DEC 2023
18 APR 2024	LSZC AD 2 - 3/4	25 JAN 2024
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18 APR 2024	LSZA AD 2.24.10 - 5/6	13 JUL 2023
18 APR 2024	LSZA AD 2.24.10 - 7/8	13 JUL 2023

### 2. Record entry of amendment on page GEN 0.2

### 3. This AIP AMDT incorporates information contained in the following publications:

NOTAM: NIL

AIP SUP: NIL

AIC: NIL

Enroute chart: NIL

### 4. Following SUP and AIRAC SUP are still in force:

Checklist SUP: 001 2023, 002 2023

Checklist AIRAC SUP: NIL

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Insert the following pages:

LSMP AD 2 - 3/4  
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LSGS AD 2 - 3/4  
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18 APR 2024	LSZH AD 2.24.10.4 - 7/8	AIRAC 25 JAN 2024

<b>AIP Amendment</b>			
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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011/2021	04-Nov-2021	04-Nov-2021	
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**5. Pre-flight information services at aerodromes/heliports**

AIS briefing units				
Postal address	TEL	FAX	TELEX/AFTN	RMK/Services
1	2	3	4	5
AP Zurich: skyguide AIS CH-8602 Wangen bei Dübendorf	+41 (0) 43 931 61 61		LSZHYOYX	AIS
	+41 (0) 43 931 62 05		LSZHZPZX	ATS Reporting Office ARO
AP Genève: AIS/Service Traffic CH-1215 Geneva 15	+41 (0) 22 717 71 27	+41 (0) 22 717 71 31	415 707 com ch	AIS/OPS
			LSGGYOYX	AIS
			LSGGZPZX	ATS Reporting Office ARO
AP Lugano: Servizio Traffico AIS Via Aeroporto CH-6982 Agno	+41 (0) 91 610 11 16	+41 (0) 91 610 16 20	---	AIS

**5.1 Zurich - General Aviation Service Centre (GASC)**

The GASC AIS is unattended. Operational HR: 0430 - 2130 (0330 - 2030). The applicable procedure for pilots to obtain the information is placarded.

AVBL are:

- tailored AD and ENR information;
- printer;
- flight plan forms.

**5.2 Zurich - Terminal A, E and between Stands C and Gate Gourmet Building**

Terminal A (BLDG A1, floor 0, room 0-156), Terminal E (Dock E, floor 0, room M1 0-967) and container between C-stands and Gate Gourmet BLDG (BLDG O65, room 0-110) are unattended. Operational HR: **H24**.

AVBL are:

- tailored AD and ENR information;
- printer;
- phone;
- flight plan forms.

**5.3 Daily Airspace Bulletin Switzerland (DABS)**

The Daily Airspace Bulletin DABS is an integral part of Switzerland's official aeronautical publication and, with the help of the NOTAM publications, illustrates in graphical form the current status of the airspace. It also provides added assistance for pilots preparing VFR flights.

- Activation of PRD areas and TEMPO TMA
- TEMPO TMA/CTR activations
- Military firing above 250m/AGL

The basis is provided by a geographical map of Switzerland (scale 1:1,250,000 in A4 format) showing aerodromes and a simplified illustration of the airspaces (CTR/TMA). Flight restriction areas (R-Areas), danger zones (D-Areas), no-fly zones (P-Areas) and airspace activations for TEMPO TMA are illustrated on the DABS chart. Other series W, (e.g. PJE, GLD, Air Displays) NOTAM and NOTAM that affect all or parts of Swiss territory (e.g. MIL night flights) are only indicated in the text section insofar as an icon exists with the corresponding activity on the ICAO chart. If there is no icon on the ICAO chart BAZL (Federal Office of Civil Aviation) decides depending upon the situation.

To prevent airspace violations no additional and planned airspace restrictions will be approved during the current day. The only exception is "imminent danger" (unforeseen and urgent airspace closures as the result of an accident or catastrophe). Regardless of the time a publication of this nature can trigger a new DABS publication.

The DABS incorporates NOTAM information at the time of its publication. Airspace restrictions, which are no longer required (reopened ahead of time) or have expired at the time of updating, will not be indicated in the ensuing publication. In between the fixed publication times NOTAM will be updated without delay. This could lead to discrepancies between the NOTAM and DABS information.

The latest information can be obtained from:

- Flight Information Control (FIC) Geneva 126.350 MHz;
- Flight Information Control (FIC) Zurich 124.700 MHz;
- KOSIF (phone number +41 44 813 31 10).

DABS is published by AIM Services and can be accessed by visiting [www.skybriefing.com](http://www.skybriefing.com).

#### **DABS Creation (first version)**

Publication takes place daily at 16:00 hours (local time) and shows all airspace restrictions applying to the following day. No additional airspace restrictions will be published after this time. (Version 1)

#### **DABS Updating**

A new publication, which is valid immediately upon release, will be made available at 9:00 / 13:00 / 16:00 (local time).

Night flights undertaken by the Swiss Air Force will be listed on the DABS by 16:00, at the latest, for the current day.

### **6. Electronic Terrain and Obstacle Data**

Under the current terms of use from swisstopo skyguide uses the official source from the swiss government:

URL: <https://www.swisstopo.admin.ch/en/home/meta/conditions/geodata/ogd.html>

- Federal Office of Topography swisstopo

#### **6.1 Electronic Terrain Data**

Electronic terrain data is provided by:

Post: Swisstopo, Federal Office of Topography  
Seftigenstrasse 264,  
P.O. Box  
CH - 3084 Wabern

Phone: +41 (0) 58 469 01 11

Fax: +41 (0) 58 469 04 59

Hours of Service: Mon-Fri 0845-1245, 1420-1800 (0945-1345, 1520-1900)

Email: [info@swisstopo.ch](mailto:info@swisstopo.ch)

URL: <http://www.swisstopo.admin.ch>

##### **Area 1:**

Swisstopo "DHM25"

The digital elevation model DHM25 is a set of data representing the 3D form of the earth's surface not including vegetation and buildings. It is based on the Swiss National Map 1:25 000. DHM25 is available with 25m. An enlarged grid of 200 m is also available.

It is not compliant with all requirements of ICAO Annex 15, Tables A8-1 and A8-3 for Area 1 electronic terrain data. Deviations exist with regards to the vertical and horizontal reference system, and the provision of all required electronic terrain data attributes.

Electronic terrain data users shall therefore carefully assess whether the product is adequate for their intended use.

■ A data product specification may be obtained at

URL: <https://www.swisstopo.admin.ch/de/hoehenmodell-dhm25>

##### **Area 2, 3 and 4:**

Swisstopo "swissALTI3D"

swissALTI3D is a very precise digital elevation model of Switzerland. It models the surface without vegetation and buildings. A yearly update is provided, which ensures a full update in a cycle of 6 years. The data can be delivered with a post spacing of 2 m, 5 m or 10 m.

swissALTI3D is not compliant with all requirements of ICAO Annex 15, Tables A8-1 and A8-3 for Area 1 electronic terrain data. Deviations exist with regards to the vertical and horizontal reference system, the confidence interval (1 Sigma (68%) instead of 90%) and the provision of all required terrain attributes.

Electronic terrain data users shall therefore carefully assess whether the product is adequate for their intended use.

■ A data product specification may be obtained at

URL: <https://www.swisstopo.admin.ch/de/hoehenmodell-swissalti3d>

## 6.2 Electronic Obstacle Data

### Area 1:

Electronic obstacle data for Area 1 is provided by:

Post: Federal Office of Civil Aviation  
CH-3003 Berne

Phone: +41 (0) 58 465 80 39/40

Fax: +41 (0) 58 465 80 32

Email: [foca.aim@bazl.admin.ch](mailto:foca.aim@bazl.admin.ch)

The obstacle data set can be downloaded from the following FOCA Website:

URL: <http://www.bazl.admin.ch/bazl/de/home/infrastruktur/luftfahrthindernisse/luftfahrtinformationen/digitale-luftfahrthinderniskarten.html>

Downloads: Air navigation obstacles data (download KMZ)

Description:

URL: <http://www.bazl.admin.ch/bazl/de/home/infrastruktur/luftfahrthindernisse/luftfahrtinformationen/digitale-luftfahrthinderniskarten.html>

The data set contains all reported obstacles higher than 60 m AGL within settlement areas and higher than 25 m outside of settlement areas. Obstacles in the proximity of airports are not included in the data set.

The area 1 obstacle data set is not compliant with all specifications of ICAO Annex 15, Tables A8-2 and A8-4 for Area 1. Deviations exist with regards to the vertical and horizontal reference system, and the provision of all required obstacle attributes.

Electronic obstacle data users shall therefore carefully assess whether the product is adequate for their intended use.

### Area 2, 3 and 4:

Electronic obstacle data for area 2, 3 and 4 is currently not available.

## 7. Post Flight Information

General information and observations (e.g. the presence of birds or the state and operation of air navigation facilities) shall be forwarded to AIM Services Zurich to:

Email: [ais.zrh@skyguide.ch](mailto:ais.zrh@skyguide.ch)

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**Gliders**

Towing ACFT are exempt from APCH charges for APCH on the grass RWY for gliders:

For powered gliders, the ordinary APCH charges are levied.

For instruction and training FLT's with towing ACFT and powered gliders, the rate and the definition of "VFR training flights" are applicable.

**Exempt flights**

The following FLT's are exempt from APCH charges on:

- a. FLT's operated exclusively for the transport, on official mission, of the following passengers:
  - Reigning monarch and his immediate family
  - Heads of State, heads of Government and Government Ministers

In all cases, the exemption must be substantiated by the appropriate status indicator or remark on the flight plan.

- b. SAR FLT's, as defined in the corresponding Federal Ordinance.
- c. FLT's performed exclusively for the purpose of checking or testing equipment used or intended to be used as ground aids to air navigation, excluding positioning FLT's by the ACFT concerned.

**9.3 Billing and collection of charges**

The AD is responsible for the billing and collection of the charges. Information concerning the billing and collection of APCH charges may be obtained from the local AP authorities.

**10. ANNEX 1: Approach charges for aerodromes of category I**

The tariffs are exclusive of VAT.

(1) Zurich excluded

Maximum take-off mass (MTOM in kg)		Charges CHF	VFR training flights CHF <sup>(1)</sup>	Maximum take-off mass (MTOM in kg)		Charges CHF	VFR training flights CHF <sup>(1)</sup>
1	- 1 000	7.30	3.85	40 001	- 41 000	393.00	
1 001	- 2 000	15.00	7.70	41 001	- 42 000	399.70	
2 001	- 3 000	21.30	11.25	42 001	- 43 000	406.30	
3 001	- 4 000	77.10	15.00	43 001	- 44 000	412.90	
4 001	- 5 000	90.10	18.75	44 001	- 45 000	419.40	
5 001	- 6 000	102.40	22.20	45 001	- 46 000	425.90	
6 001	- 7 000	114.00	25.90	46 001	- 47 000	432.40	
7 001	- 8 000	125.20	29.60	47 001	- 48 000	438.80	
8 001	- 9 000	136.00	33.30	48 001	- 49 000	445.20	
9 001	- 10 000	146.40	37.00	49 001	- 50 000	451.50	
10 001	- 11 000	156.50	40.70	50 001	- 51 000	457.80	
11 001	- 12 000	166.30	44.40	51 001	- 52 000	464.10	
12 001	- 13 000	175.90	48.10	52 001	- 53 000	470.30	
13 001	- 14 000	185.20	51.80	53 001	- 54 000	476.50	
14 001	- 15 000	194.40	55.50	54 001	- 55 000	482.70	
15 001	- 16 000	203.40	59.20	55 001	- 56 000	488.80	
16 001	- 17 000	212.20	62.90	56 001	- 57 000	494.90	
17 001	- 18 000	220.90	66.60	57 001	- 58 000	501.00	
18 001	- 19 000	229.40	70.30	58 001	- 59 000	507.00	
19 001	- 20 000	237.80	74.00	59 001	- 60 000	513.00	
20 001	- 21 000	246.00	76.65	60 001	- 61 000	519.00	
21 001	- 22 000	254.20	80.30	61 001	- 62 000	524.90	
22 001	- 23 000	262.20	83.95	62 001	- 63 000	530.80	
23 001	- 24 000	270.10	87.60	63 001	- 64 000	536.70	
24 001	- 25 000	278.00	91.25	64 001	- 65 000	542.60	
25 001	- 26 000	285.70	94.90	65 001	- 66 000	548.40	
26 001	- 27 000	293.30	98.55	66 001	- 67 000	554.20	
27 001	- 28 000	300.90	102.20	67 001	- 68 000	560.00	
28 001	- 29 000	308.40	105.85	68 001	- 69 000	565.70	
29 001	- 30 000	315.80	109.50	69 001	- 70 000	571.50	
30 001	- 31 000	323.10		70 001	- 71 000	577.20	
31 001	- 32 000	330.40		71 001	- 72 000	582.80	
32 001	- 33 000	337.60		72 001	- 73 000	588.50	
33 001	- 34 000	344.70		73 001	- 74 000	594.10	
34 001	- 35 000	351.80		74 001	- 75 000	599.70	
35 001	- 36 000	358.80		75 001	- 76 000	605.30	
36 001	- 37 000	365.70		76 001	- 77 000	610.90	
37 001	- 38 000	372.60		77 001	- 78 000	616.40	
38 001	- 39 000	379.50		78 001	- 79 000	622.00	
39 001	- 40 000	386.20		79 001	- 80 000	627.50	

Maximum take-off mass (MTOM in kg)			Charges CHF	VFR training flights CHF <sub>(1)</sub>	Maximum take-off mass (MTOM in kg)			Charges CHF	VFR training flights CHF <sub>(1)</sub>
80 001	-	81 000	632.90		125 001	-	126 000	862.30	
81 001	-	82 000	638.40		126 001	-	127 000	867.10	
82 001	-	83 000	643.80		127 001	-	128 000	871.90	
83 001	-	84 000	649.30		128 001	-	129 000	876.70	
84 001	-	85 000	654.70		129 001	-	130 000	881.40	
85 001	-	86 000	660.00		130 001	-	131 000	886.10	
86 001	-	87 000	665.40		131 001	-	132 000	890.90	
87 001	-	88 000	670.70		132 001	-	133 000	895.60	
88 001	-	89 000	676.10		133 001	-	134 000	900.30	
89 001	-	90 000	681.40		134 001	-	135 000	905.00	
90 001	-	91 000	686.70		135 001	-	136 000	909.70	
91 001	-	92 000	691.90		136 001	-	137 000	914.40	
92 001	-	93 000	697.20		137 001	-	138 000	919.00	
93 001	-	94 000	702.40		138 001	-	139 000	923.70	
94 001	-	95 000	707.70		139 001	-	140 000	928.30	
95 001	-	96 000	712.90		140 001	-	141 000	933.00	
96 001	-	97 000	718.10		141 001	-	142 000	937.60	
97 001	-	98 000	723.20		142 001	-	143 000	942.20	
98 001	-	99 000	728.40		143 001	-	144 000	946.80	
99 001	-	100 000	733.50		144 001	-	145 000	951.40	
100 001	-	101 000	738.70		145 001	-	146 000	956.00	
101 001	-	102 000	743.80		146 001	-	147 000	960.60	
102 001	-	103 000	748.90		147 001	-	148 000	965.20	
103 001	-	104 000	753.90		148 001	-	149 000	969.70	
104 001	-	105 000	759.00		149 001	-	150 000	974.30	
105 001	-	106 000	764.10		150 001	-	151 000	978.80	
106 001	-	107 000	769.10		151 001	-	152 000	983.30	
107 001	-	108 000	774.10		152 001	-	153 000	987.90	
108 001	-	109 000	779.10		153 001	-	154 000	992.40	
109 001	-	110 000	784.10		154 001	-	155 000	996.90	
110 001	-	111 000	789.10		155 001	-	156 000	1001.40	
111 001	-	112 000	794.10		156 001	-	157 000	1005.90	
112 001	-	113 000	799.00		157 001	-	158 000	1010.40	
113 001	-	114 000	804.00		158 001	-	159 000	1014.80	
114 001	-	115 000	808.90		159 001	-	160 000	1019.30	
115 001	-	116 000	813.80		160 001	-	161 000	1023.80	
116 001	-	117 000	818.70		161 001	-	162 000	1028.20	
117 001	-	118 000	823.60		162 001	-	163 000	1032.60	
118 001	-	119 000	828.50		163 001	-	164 000	1037.10	
119 001	-	120 000	833.40		164 001	-	165 000	1041.50	
120 001	-	121 000	838.20		165 001	-	166 000	1045.90	
121 001	-	122 000	843.10		166 001	-	167 000	1050.30	
122 001	-	123 000	847.90		167 001	-	168 000	1054.70	
123 001	-	124 000	852.70		168 001	-	169 000	1059.10	
124 001	-	125 000	857.50		169 001	-	170 000	1063.50	

Maximum take-off mass (MTOM in kg)			Charges CHF	VFR training flights CHF <sub>(1)</sub>	Maximum take-off mass (MTOM in kg)			Charges CHF	VFR training flights CHF <sub>(1)</sub>
170 001	-	171 000	1067.90		214 001	-	215 000	1253.50	
171 001	-	172 000	1072.20		215 001	-	216 000	1257.60	
172 001	-	173 000	1076.60		216 001	-	217 000	1261.70	
173 001	-	174 000	1080.90		217 001	-	218 000	1265.70	
174 001	-	175 000	1085.30		218 001	-	219 000	1269.80	
175 001	-	176 000	1089.60		219 001	-	220 000	1273.80	
176 001	-	177 000	1094.00		220 001	-	221 000	1277.90	
177 001	-	178 000	1098.30		221 001	-	222 000	1281.90	
178 001	-	179 000	1102.60		222 001	-	223 000	1286.00	
179 001	-	180 000	1106.90		223 001	-	224 000	1290.00	
180 001	-	181 000	1111.20		224 001	-	225 000	1294.00	
181 001	-	182 000	1115.50		225 001	-	226 000	1298.10	
182 001	-	183 000	1119.80		226 001	-	227 000	1302.10	
183 001	-	184 000	1124.10		227 001	-	228 000	1306.10	
184 001	-	185 000	1128.30		228 001	-	229 000	1310.10	
185 001	-	186 000	1132.60		229 001	-	230 000	1314.10	
186 001	-	187 000	1136.90		230 001	-	231 000	1318.10	
187 001	-	188 000	1141.10		231 001	-	232 000	1322.10	
188 001	-	189 000	1145.40		232 001	-	233 000	1326.10	
189 001	-	190 000	1149.60		233 001	-	234 000	1330.10	
190 001	-	191 000	1153.80		234 001	-	235 000	1334.00	
191 001	-	192 000	1158.00		235 001	-	236 000	1338.00	
192 001	-	193 000	1162.30		236 001	-	237 000	1342.00	
193 001	-	194 000	1166.50		237 001	-	238 000	1345.90	
194 001	-	195 000	1170.70		238 001	-	239 000	1349.90	
195 001	-	196 000	1174.90		239 001	-	240 000	1353.80	
196 001	-	197 000	1179.10		240 001	-	241 000	1357.80	
197 001	-	198 000	1183.30		241 001	-	242 000	1361.70	
198 001	-	199 000	1187.40		242 001	-	243 000	1365.70	
199 001	-	200 000	1191.60		243 001	-	244 000	1369.60	
200 001	-	201 000	1195.80		244 001	-	245 000	1373.50	
201 001	-	202 000	1200.00		245 001	-	246 000	1377.40	
202 001	-	203 000	1204.10		246 001	-	247 000	1381.40	
203 001	-	204 000	1208.30		247 001	-	248 000	1385.30	
204 001	-	205 000	1212.40		248 001	-	249 000	1389.20	
205 001	-	206 000	1216.50		249 001	-	250 000	1393.10	
206 001	-	207 000	1220.70		250 001	-	251 000	1397.00	
207 001	-	208 000	1224.80		251 001	-	252 000	1400.90	
208 001	-	209 000	1228.90		252 001	-	253 000	1404.80	
209 001	-	210 000	1233.00		253 001	-	254 000	1408.60	
210 001	-	211 000	1237.10		254 001	-	255 000	1412.50	
211 001	-	212 000	1241.20		255 001	-	256 000	1416.40	
212 001	-	213 000	1245.30		256 001	-	257 000	1420.30	
213 001	-	214 000	1249.40		257 001	-	258 000	1424.10	

Maximum take-off mass (MTOM in kg)			Charges CHF	VFR training flights CHF <sub>(1)</sub>	Maximum take-off mass (MTOM in kg)			Charges CHF	VFR training flights CHF <sub>(1)</sub>
258 001	-	259 000	1428.00		299 001	-	300 000	1582.70	
259 001	-	260 000	1431.90		300 001	-	301 000	1586.40	
260 001	-	261 000	1435.70		301 001	-	302 000	1590.10	
261 001	-	262 000	1439.60		302 001	-	303 000	1593.80	
262 001	-	263 000	1443.40		303 001	-	304 000	1597.50	
263 001	-	264 000	1447.20		304 001	-	305 000	1601.10	
264 001	-	265 000	1451.10		305 001	-	306 000	1604.80	
265 001	-	266 000	1454.90		306 001	-	307 000	1608.50	
266 001	-	267 000	1458.70		307 001	-	308 000	1612.10	
267 001	-	268 000	1462.60		308 001	-	309 000	1615.80	
268 001	-	269 000	1466.40		309 001	-	310 000	1619.50	
269 001	-	270 000	1470.20		310 001	-	311 000	1623.10	
270 001	-	271 000	1474.00		311 001	-	312 000	1626.80	
271 001	-	272 000	1477.80		312 001	-	313 000	1630.40	
272 001	-	273 000	1481.60		313 001	-	314 000	1634.10	
273 001	-	274 000	1485.40		314 001	-	315 000	1637.70	
274 001	-	275 000	1489.20		315 001	-	316 000	1641.30	
275 001	-	276 000	1493.00		316 001	-	317 000	1645.00	
276 001	-	277 000	1496.80		317 001	-	318 000	1648.60	
277 001	-	278 000	1500.50		318 001	-	319 000	1652.20	
278 001	-	279 000	1504.30		319 001	-	320 000	1655.90	
279 001	-	280 000	1508.10		320 001	-	321 000	1659.50	
280 001	-	281 000	1511.90		321 001	-	322 000	1663.10	
281 001	-	282 000	1515.60		322 001	-	323 000	1666.70	
282 001	-	283 000	1519.40		323 001	-	324 000	1670.30	
283 001	-	284 000	1523.10		324 001	-	325 000	1673.90	
284 001	-	285 000	1526.90		325 001	-	326 000	1677.50	
285 001	-	286 000	1530.60		326 001	-	327 000	1681.10	
286 001	-	287 000	1534.40		327 001	-	328 000	1684.70	
287 001	-	288 000	1538.10		328 001	-	329 000	1688.30	
288 001	-	289 000	1541.90		329 001	-	330 000	1691.90	
289 001	-	290 000	1545.60		330 001	-	331 000	1695.50	
290 001	-	291 000	1549.30		331 001	-	332 000	1699.10	
291 001	-	292 000	1553.00		332 001	-	333 000	1702.70	
292 001	-	293 000	1556.80		333 001	-	334 000	1706.20	
293 001	-	294 000	1560.50		334 001	-	335 000	1709.80	
294 001	-	295 000	1564.20		335 001	-	336 000	1713.40	
295 001	-	296 000	1567.90		336 001	-	337 000	1717.00	
296 001	-	297 000	1571.60		337 001	-	338 000	1720.50	
297 001	-	298 000	1575.30		338 001	-	339 000	1724.10	
298 001	-	299 000	1579.00		339 001	-	340 000	1727.60	

Maximum take-off mass (MTOM in kg)			Charges CHF	VFR training flights CHF <sup>(1)</sup>
340 001	-	341 000	1731.20	
341 001	-	342 000	1734.70	
342 001	-	343 000	1738.30	
343 001	-	344 000	1741.80	
344 001	-	345 000	1745.40	
345 001	-	346 000	1748.90	
346 001	-	347 000	1752.50	
347 001	-	348 000	1756.00	
348 001	-	349 000	1759.50	
349 001	-	350 000	1763.10	
350 001	-	351 000	1766.60	
351 001	-	352 000	1770.10	
352 001	-	353 000	1773.60	
353 001	-	354 000	1777.10	
354 001	-	355 000	1780.60	
355 001	-	356 000	1784.20	
356 001	-	357 000	1787.70	
357 001	-	358 000	1791.20	
358 001	-	359 000	1794.70	
359 001	-	360 000	1798.20	
360 001	-	361 000	1801.70	
361 001	-	362 000	1805.10	
362 001	-	363 000	1808.60	
363 001	-	364 000	1812.10	
364 001	-	365 000	1815.60	
365 001	-	366 000	1819.10	
366 001	-	367 000	1822.60	
367 001	-	368 000	1826.00	
368 001	-	369 000	1829.50	
369 001	-	370 000	1833.00	
370 001	-	371 000	1836.40	
371 001	-	372 000	1839.90	
372 001	-	373 000	1843.40	
373 001	-	374 000	1846.80	
374 001	-	375 000	1850.30	
375 001	-	376 000	1853.70	
376 001	-	377 000	1857.20	
377 001	-	378 000	1860.60	
378 001	-	379 000	1864.10	
379 001	-	380 000	1867.50	
380 001	-	381 000	1871.00	
381 001	-	382 000	1874.40	
382 001	-	383 000	1877.80	
383 001	-	384 000	1881.30	
384 001	-	385 000	1884.70	

Maximum take-off mass (MTOM in kg)			Charges CHF	VFR training flights CHF <sup>(1)</sup>
385 001	-	386 000	1888.10	
386 001	-	387 000	1891.50	
387 001	-	388 000	1895.00	
388 001	-	389 000	1898.40	
389 001	-	390 000	1901.80	
390 001	-	391 000	1905.20	
391 001	-	392 000	1908.60	
392 001	-	393 000	1912.00	
393 001	-	394 000	1915.40	
394 001	-	395 000	1918.80	
395 001	-	396 000	1922.20	
396 001	-	397 000	1925.60	
397 001	-	398 000	1929.00	
398 001	-	399 000	1932.40	
399 001	-	400 000	1935.80	
400 001	-	401 000	1939.20	
401 001	-	402 000	1942.60	
402 001	-	403 000	1945.90	
403 001	-	404 000	1949.30	
404 001	-	405 000	1952.70	
405 001	-	406 000	1956.10	
406 001	-	407 000	1959.40	
407 001	-	408 000	1962.80	
408 001	-	409 000	1966.20	
409 001	-	410 000	1969.50	
410 001	-	411 000	1972.90	
411 001	-	412 000	1976.30	
412 001	-	413 000	1979.60	
413 001	-	414 000	1983.00	
414 001	-	415 000	1986.30	
415 001	-	416 000	1989.70	
416 001	-	417 000	1993.00	
417 001	-	418 000	1996.40	
418 001	-	419 000	1999.70	
419 001	-	420 000	2003.00	
420 001	-	421 000	2006.40	
421 001	-	422 000	2009.70	
422 001	-	423 000	2013.10	
423 001	-	424 000	2016.40	
424 001	-	425 000	2019.70	
425 001	-	426 000	2023.00	
426 001	-	427 000	2026.40	
427 001	-	428 000	2029.70	
428 001	-	429 000	2033.00	
429 001	-	430 000	2036.30	

Maximum take-off mass (MTOM in kg)			Charges CHF	VFR training flights CHF <sub>(1)</sub>	Maximum take-off mass (MTOM in kg)			Charges CHF	VFR training flights CHF <sub>(1)</sub>
430 001	-	431 000	2039.60		475 001	-	476 000	2186.50	
431 001	-	432 000	2042.90		476 001	-	477 000	2189.70	
432 001	-	433 000	2046.30		477 001	-	478 000	2192.90	
433 001	-	434 000	2049.60		478 001	-	479 000	2196.10	
434 001	-	435 000	2052.90		479 001	-	480 000	2199.30	
435 001	-	436 000	2056.20		480 001	-	481 000	2202.50	
436 001	-	437 000	2059.50		481 001	-	482 000	2205.70	
437 001	-	438 000	2062.80		482 001	-	483 000	2208.90	
438 001	-	439 000	2066.10		483 001	-	484 000	2212.10	
439 001	-	440 000	2069.40		484 001	-	485 000	2215.30	
440 001	-	441 000	2072.60		485 001	-	486 000	2218.50	
441 001	-	442 000	2075.90		486 001	-	487 000	2221.70	
442 001	-	443 000	2079.20		487 001	-	488 000	2224.90	
443 001	-	444 000	2082.50		488 001	-	489 000	2228.10	
444 001	-	445 000	2085.80		489 001	-	490 000	2231.30	
445 001	-	446 000	2089.10		490 001	-	491 000	2234.50	
446 001	-	447 000	2092.30		491 001	-	492 000	2237.70	
447 001	-	448 000	2095.60		492 001	-	493 000	2240.80	
448 001	-	449 000	2098.90		493 001	-	494 000	2244.00	
449 001	-	450 000	2102.20		494 001	-	495 000	2247.20	
450 001	-	451 000	2105.40		495 001	-	496 000	2250.40	
451 001	-	452 000	2108.70		496 001	-	497 000	2253.50	
452 001	-	453 000	2112.00		497 001	-	498 000	2256.70	
453 001	-	454 000	2115.20		498 001	-	499 000	2259.90	
454 001	-	455 000	2118.50		499 001	-	500 000	2263.10	
455 001	-	456 000	2121.70		500 001	-	501 000	2266.20	
456 001	-	457 000	2125.00		501 001	-	502 000	2269.40	
457 001	-	458 000	2128.30		502 001	-	503 000	2272.60	
458 001	-	459 000	2131.50		503 001	-	504 000	2275.70	
459 001	-	460 000	2134.80		504 001	-	505 000	2278.90	
460 001	-	461 000	2138.00		505 001	-	506 000	2282.00	
461 001	-	462 000	2141.20		506 001	-	507 000	2285.20	
462 001	-	463 000	2144.50		507 001	-	508 000	2288.30	
463 001	-	464 000	2147.70		508 001	-	509 000	2291.50	
464 001	-	465 000	2151.00		509 001	-	510 000	2294.60	
465 001	-	466 000	2154.20		510 001	-	511 000	2297.80	
466 001	-	467 000	2157.40		511 001	-	512 000	2300.90	
467 001	-	468 000	2160.70		512 001	-	513 000	2304.10	
468 001	-	469 000	2163.90		513 001	-	514 000	2307.20	
469 001	-	470 000	2167.10		514 001	-	515 000	2310.40	
470 001	-	471 000	2170.40		515 001	-	516 000	2313.50	
471 001	-	472 000	2173.60		516 001	-	517 000	2316.70	
472 001	-	473 000	2176.80		517 001	-	518 000	2319.80	
473 001	-	474 000	2180.00		518 001	-	519 000	2322.90	
474 001	-	475 000	2183.20		519 001	-	520 000	2326.10	

Maximum take-off mass (MTOM in kg)			Charges CHF	VFR training flights CHF <sup>(1)</sup>
520 001	-	521 000	2329.20	
521 001	-	522 000	2332.30	
522 001	-	523 000	2335.40	
523 001	-	524 000	2338.60	
524 001	-	525 000	2341.70	
525 001	-	526 000	2344.80	
526 001	-	527 000	2347.90	
527 001	-	528 000	2351.00	
528 001	-	529 000	2354.20	
529 001	-	530 000	2357.30	
530 001	-	531 000	2360.40	
531 001	-	532 000	2363.50	
532 001	-	533 000	2366.60	
533 001	-	534 000	2369.70	
534 001	-	535 000	2372.80	
535 001	-	536 000	2375.90	
536 001	-	537 000	2379.00	
537 001	-	538 000	2382.10	
538 001	-	539 000	2385.20	
539 001	-	540 000	2388.30	
540 001	-	541 000	2391.40	
541 001	-	542 000	2394.50	
542 001	-	543 000	2397.60	
543 001	-	544 000	2400.70	
544 001	-	545 000	2403.80	
545 001	-	546 000	2406.90	
546 001	-	547 000	2410.00	
547 001	-	548 000	2413.00	
548 001	-	549 000	2416.10	
549 001	-	550 000	2419.20	
550 001	-	551 000	2422.30	
551 001	-	552 000	2425.40	
552 001	-	553 000	2428.40	
553 001	-	554 000	2431.50	
554 001	-	555 000	2434.60	
555 001	-	556 000	2437.60	
556 001	-	557 000	2440.70	
557 001	-	558 000	2443.80	
558 001	-	559 000	2446.80	
559 001	-	560 000	2449.90	
560 001	-	561 000	2453.00	
561 001	-	562 000	2456.00	
562 001	-	563 000	2459.10	
563 001	-	564 000	2462.10	
564 001	-	565 000	2465.20	

Maximum take-off mass (MTOM in kg)			Charges CHF	VFR training flights CHF <sup>(1)</sup>
565 001	-	566 000	2468.20	
566 001	-	567 000	2471.30	
567 001	-	568 000	2474.30	
568 001	-	569 000	2477.40	
569 001	-	570 000	2480.40	
570 001	-	571 000	2483.50	
571 001	-	572 000	2486.50	
572 001	-	573 000	2489.60	
573 001	-	574 000	2492.60	
574 001	-	575 000	2495.70	
575 001	-	576 000	2498.70	
576 001	-	577 000	2501.70	
577 001	-	578 000	2504.80	
578 001	-	579 000	2507.80	
579 001	-	580 000	2510.80	
580 001	-	581 000	2513.90	
581 001	-	582 000	2516.90	
582 001	-	583 000	2519.90	
583 001	-	584 000	2522.90	
584 001	-	585 000	2526.00	
585 001	-	586 000	2529.00	
586 001	-	587 000	2532.00	
587 001	-	588 000	2535.00	
588 001	-	589 000	2538.00	
589 001	-	590 000	2541.10	
590 001	-	591 000	2544.10	
591 001	-	592 000	2547.10	
592 001	-	593 000	2550.10	
593 001	-	594 000	2553.10	
594 001	-	595 000	2556.10	
595 001	-	596 000	2559.10	
596 001	-	597 000	2562.10	
597 001	-	598 000	2565.10	
598 001	-	599 000	2568.10	
599 001	-	600 000	2571.10	

## ENR 5.4 AIR NAVIGATION OBSTACLES

### 1. LIST OF PERM OBST

The list of obstacles is available in electronic form (see [GEN 3.1.6.](#))

#### Obstacles Area 1:

The obstacle data set can be downloaded from the following Website:

URL: <http://www.bazl.admin.ch/bazl/de/home/infrastruktur/luftfahrthindernisse/luftfahrtinformationen/digitale-luftfahrthinderniskarten.html>

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7	<b>Remarks</b>	<p>Ground handling agent and parking permission: compulsory for scheduled and charter FLT's and all taxi FLT's and non commercial air transport</p> <ul style="list-style-type: none"> <li>• with ACFT above 3.5 tonnes MTOM to and from Schengen destinations</li> <li>• for all ACFT to and from Non-Schengen destinations</li> </ul> <p>Ground Services Bern  Phone: +41 (0) 31 960 21 31  Fax: +41 (0) 31 960 21 41  SITA: BRNKKXH  FREQ: 131.410 MHz (Ground Services Bern)  RTF: GROUND SERVICES BERN  Email: groundservices@bernairport.ch</p>
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### LSZB AD 2.5 PASSENGER FACILITIES

1	<b>Hotels</b>	In the city
2	<b>Restaurants</b>	At AD and in the city
3	<b>Transportation</b>	Buses, taxis and car rental from AD
4	<b>Medical facilities</b>	Ambulance O/R; hospital at Belp and in the city O/R
5	<b>Bank and Post Office</b>	Cash dispenser, stamps available at AD within AD OPS HRS
6	<b>Tourist Office</b>	<p>Tourist Office and Convention Bureau of Berne  Post: main railway station  P.O. Box 3001 Berne  CH-3008 Berne  Phone: +41 (0) 31 328 12 12  Fax: +41 (0) 31 328 12 77</p>
7	<b>Remarks</b>	<p><b>Inadmissible persons</b>  Due to limited infrastructure AVBL for the custody and care of inadmissible persons such passengers can stay at the facilities of the AP <b>for a period of no longer than 24 hrs.</b> In all circumstances, persons found inadmissible have to be removed by the operator the day after the ARR of such passengers using its own services or by alternate removal arrangements, at the latest. The operator will have to bear all costs in relation to such removal as apportioned to operators in accordance with applicable rules of public international and national law.</p>

### LSZB AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	<b>AD category for fire fighting</b>	<p>Category 3 0700 - 1800 (0600 - 1700)  Category 2 1800 - 2000 (1700 - 1900)  Higher category O/R MNM 3 HR before ETA/ETD, by phone  +41 (0) 31 960 21 31  for scheduled traffic category 4 or higher according to aircraft type</p>
2	<b>Rescue equipment</b>	4 fire engines, 1 ramp-control vehicle
3	<b>Capability for removal of disabled aircraft</b>	Lifting bags and electrical jacks available
4	<b>Remarks</b>	NIL

### LSZB AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	<b>Type(s) of clearing equipment</b>	2 towed jet sweeper, 3 snow ploughs, 1 wiper, 2 RWY de-icers, 2 ACFT de-icers
2	<b>Clearance priorities</b>	<ol style="list-style-type: none"> <li>1. RWY ASPH</li> <li>2. TWY C</li> <li>3. TWY K &amp; F</li> <li>4. TWY A, B, D</li> <li>5. Apron</li> <li>6. Other</li> </ol>
3	<b>Remarks</b>	RDF: Basic Solutions Runway De-icing Fluid GEN3 6-4 RWY 14/32 de-icing with GAC (glycerol/acetatbasic fluids)

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

1	<b>Designation, surface and strength of Aprons</b>	ASPH - PCN up to 46 F/C/X/T GRASS - 0.25 MPa
2	<b>Designation, width, surface and strength of Taxiways</b>	Widths: TWY A: 7.5 m; TWY B: 15.5 m; TWY C: 18.0 m; TWY D: 10.0 m TWY E: 9.0 m; TWY F: 20.5 m; TWY G: 7.5 m TWY K: BTN TWY B and TWY C: 14.0 m; BTN TWY C and Stand Y7: 16.0 m BTN Stand Y7 and TWY E: 10.0 m; BTN TWY E and TWY F: 18.0 m. Surface: TWY A, B, C, D, F and K: ASPH, PCN 46 F/C/X/T. TWY E: GRASS, max. 5.7 t MTOM. TWY G: GRASS, 0.25 MPa MAX wingspan: TWY A: 13.0 m; TWY B, D: 21.5 m; TWY C, F: 36.0 m; TWY E, G: 15.0 m TWY K: 21.5 m except 34.3 m BTN stand Y3 and stand Y7. RMK: 36.0 m on stand Y3A as access/egress directly via TWY C. MAX outer main gear wheel span: TWY A, E, G: 4.5 m; TWY B: 9.0 m; TWY C: 10.0 m; TWY D: 5.5 m; TWY F: 12.5 m TWY K: BTN TWY B and TWY C: 8.0 m; BTN TWY C and Stand Y7: 9.3 m. BTN stand Y7 and TWY E: 5.5 m; BTN TWY E and TWY F: 10.0 m.
3	<b>ACL location and elevation</b>	At apron / 510 m / 1673 ft
4	<b>Location of VOR checkpoints</b>	NIL
5	<b>Location of INS checkpoints</b>	NIL
6	<b>Remarks</b>	Grass TWY A, C and G closed.

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

1	<b>Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands</b>	Sectors Yellow and GREEN: ACFT stand identification markings as well as lead-in, stop and lead-out lines. Sector BLUE: Safety line only (box). Apron safety lines east of TWY A resp. TWY K. Marshalling available for sector YELLOW, GREEN and BLUE. On the apron, wing tip clearance is guaranteed if the cockpit of the ACFT follows the CL markings. Restrictions: See ACFT PRKG Chart LSZB AD 2.24.2.
2	<b>RWY/TWY markings and LGT</b>	Paved RWY markings: D-THR, THR, designation, aiming point and centre line. GRASS RWY markings / markers: Designation, width and edge / width and edge (white flags). RWY LGT: See LSZB AD 2.14 Paved TWY markings: Centre line (including on turn pads) and intermediate holding position. Enhanced TWY centre line, RWY holding position and mandatory instruction at all intersections with RWY 14/32. Unpaved TWY markings / markers: RWY holding position at all intersections with the RWYs / TWY edge (blue flags). TWY LGT: Edge lights on TWY C and F. RWY guard lights on TWY A, B, C, D, E and F. Mandatory instruction signs at all RWY holding positions. Information signs on the movement area.
3	<b>Stop bars and RWY guard lights</b>	NIL
4	<b>Other RWY protection measures</b>	NIL
5	<b>Remarks</b>	RWY holding positions at TWY B, C, D and E are located 65 m from RWY 14/32 centre line (EASA 75 m). Special operational procedures are in force to ensure RWY strip clearance.

**LSZC 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	Guidance sign boards, TWY CL
2	RWY/TWY markings and LGT	RWY, TWY and holding position markings RWY LGT: see <a href="#">LSZC AD 2.14</a>
3	Stop bars and RWY guard lights	NIL
4	Other RWY protection measures	NIL
5	Remarks	NIL

**LSZC AD 2.10 AERODROME OBSTACLES**

In approach/TKOF areas				In circling area and at aerodrome		
1				2		
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 24 (1)	Tree/Trees 1512	46 58 14 N 008 22 57 E	Crane/Cranes marked/LGTD 1523	46 58 43 N 008 24 52 E	B0365/14	
AOC 24 (2)	Tree/Trees 1521	46 58 07 N 008 22 55 E	Silo LGTD 1468	46 58 44 N 008 24 50 E	B1468/19	
AOC 24 (3)	Tree/Trees 1524	46 58 05 N 008 22 52 E	Crane/Cranes marked/LGTD 1681	46 59 10 N 008 24 39 E	B0670/21	
AOC 24 (4)	Building 1649	46 57 25 N 008 21 23 E	Crane/Cranes marked/LGTD 1616	46 57 34 N 008 21 55 E	B0976/21	
AOC 24 (5)	Power line 1701	46 57 23 N 008 21 20 E	Crane/Cranes marked/LGTD 1605	46 58 16 N 008 24 22 E	B0047/22	
AOC 24 (6)	Tree/Trees 1717	46 57 20 N 008 21 11 E	Crane/Cranes marked/LGTD 1785	46 59 10 N 008 24 30 E	B0141/22	
AOC 24 (7)	Tree/Trees 2163	46 57 11 N 008 20 50 E				
AOC 24 (8)	Tree/Trees 2184	46 57 03 N 008 20 34 E				
AOC 24 (9)	Tree/Trees 2278	46 56 56 N 008 20 16 E				
AOC 24 (10)	Tree/Trees 2323	46 57 19 N 008 19 18 E				
AOC 24 (11)	Pole 2838	46 57 17 N 008 19 10 E				
AOC 24 (12)	Tree/Trees 2852	46 57 17 N 008 19 10 E				
AOC 24 (13)	Pole 2868	46 57 17 N 008 19 09 E				
AOC 24 (14)	Antenna 2934	46 57 17 N 008 19 09 E				

**LSZC 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 9 hours
4	Type of landing forecast	NIL
5	Briefing/consultation provided	Self Briefing Service (www.skybriefing.com)
6	Flight documentation Language(s) used	-- En
7	Charts and other information available for briefing or consultation	NIL
8	Supplementary equipment available for providing information	NIL
9	ATS units provided with information	ATS Buochs
10	Additional information (limitation of service, etc.)	Tel weather briefing: 0900 162 737 (GE), accessible within Switzerland

**LSZC 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 elevation and highest elevation of TDZ of precision APP RWY	Slope of RWY-SWY
1	2	3	4	5	6	7
06	064/062	2000 X 40	PCN 45/F/B/X/U ASPH	46 58 14.63 N 008 23 08.89 E	1475 ft	-0.6%
24	244/242			46 58 40.91 N 008 24 28.97 E	1435 ft	+0.6%

Designations RWY NR	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ	Remarks
1	8	9	10	11	12
06	NIL	NIL	2120 X 150	NIL	Non-instrument RWY
24					

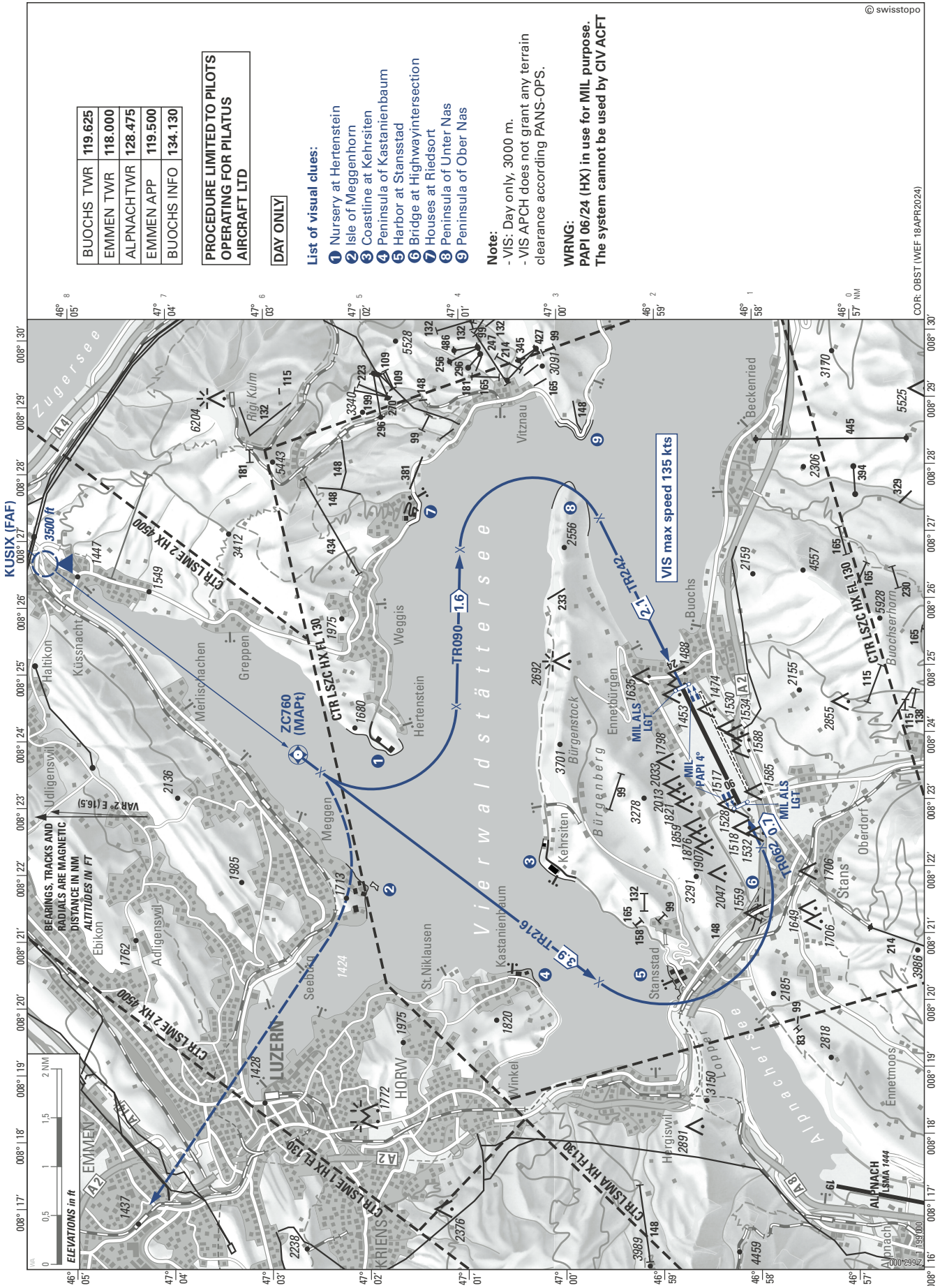
**LSZC AD 2.13 DECLARED DISTANCES**

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
06	2000 m	2000 m	2000 m	1940 m	NIL
24	2000 m	2000 m	2000 m	1940 m	NIL

ELEV 1475 ft (450 m)

BUOCHS

© swisstopo



BUOCHS TWR	119.625
EMMEN TWR	118.000
ALPNACH TWR	128.475
EMMEN APP	119.500
BUOCHS INFO	134.130

**PROCEDURE LIMITED TO PILOTS OPERATING FOR PILATUS AIRCRAFT LTD**

**DAY ONLY**

**List of visual clues:**

- 1 Nursery at Hertenstein
- 2 Isle of Meggenhorn
- 3 Coastline at Kehrsiten
- 4 Peninsula of Kastanienbaum
- 5 Harbor at Stansstad
- 6 Bridge at Highway intersection
- 7 Houses at Riedsort
- 8 Peninsula of Unter Nas
- 9 Peninsula of Ober Nas

**Note:**

- VIS: Day only, 3000 m.  
 - VIS APCH does not grant any terrain clearance according PANS-OPS.

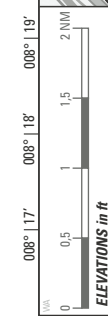
**WRNG:**

PAPI 06/24 (HX) in use for MIL purpose.  
 The system cannot be used by CIV ACFT

COR: OBST (WEF 18APR2024)

KUSIX (FAF)

BEARINGS, TRACKS AND RADIALS ARE MAGNETIC  
 DISTANCE IN NM  
 ALTITUDES IN FT



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

1	<b>Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands</b>	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	<b>RWY/TWY markings and LGT</b>	RWY Markings: Designation, THR, TDZ, CL, begin and end. RWY LGT: see <a href="#">LSGC AD 2.14</a> TWY Markings: CL and holding positions.
3	<b>Stop bars and RWY guard lights</b>	NIL
4	<b>Other RWY protection measures</b>	NIL
5	<b>Remarks</b>	TWY between intersections A and B is located within the runway strip. No use without ATC instructions.

**LSGC AD 2.10 AERODROME OBSTACLES**

In approach/TKOF areas				In circling area and at aerodrome		
1				2		
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 05 (1)	Building 3349	47 05 14 N 006 48 00 E	Crane/Cranes marked/LGTD 3461	47 04 58 N 006 47 12 E	B0517/00	
AOC 05 (2)	Antenna 3350	47 05 14 N 006 48 01 E	Tower/Mast 4738	47 04 42 N 006 53 14 E	B0694/00	
AOC 05 (3)	Pole 3352	47 05 15 N 006 48 00 E	Tower/Mast 4551	47 03 50 N 006 51 21 E	B0707/00	
AOC 05 (4)	Antenna 3354	47 05 16 N 006 48 02 E	Antenna marked/LGTD 3402	47 05 09 N 006 47 44 E	B0144/01	
AOC 05 (5)	Pole 3359	47 05 18 N 006 48 04 E	Cable -----	47 08 51 N 006 52 51 E- 47 08 40 N 006 52 47 E	B0546/03	
AOC 05 (6)	Building 3366	47 05 14 N 006 48 08 E	Antenna 3970	47 00 38 N 006 47 12 E	B0383/04	
AOC 05 (7)	Tree/Trees 3369	47 05 18 N 006 48 05 E	Crane/Cranes marked/LGTD 3419	47 05 02 N 006 47 45 E	B0124/22	
AOC 05 (8)	Antenna 3377	47 05 18 N 006 48 12 E				
AOC 05 (9)	Tree/Trees 3396	47 05 17 N 006 48 17 E				
AOC 05 (10)	Tree/Trees 3404	47 05 19 N 006 48 16 E				
AOC 05 (11)	Building 3412	47 05 23 N 006 48 13 E				
AOC 05 (12)	Antenna 3415	47 05 23 N 006 48 13 E				
AOC 05 (13)	Antenna 3430	47 05 24 N 006 48 14 E				
AOC 05 (14)	Antenna 3449	47 05 26 N 006 48 20 E				
AOC 05 (15)	Power line 3483	47 05 18 N 006 48 56 E				
AOC 05 (16)	Building 3524	47 05 19 N 006 49 10 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 05 (17)	Building	3533	47 05 20 N 006 49 13 E			
AOC 05 (18)	Tree/Trees	3671	47 05 23 N 006 49 43 E			
AOC 05 (19)	Tree/Trees	3678	47 05 24 N 006 49 43 E			
AOC 05 (20)	Tree/Trees	3691	47 05 25 N 006 49 45 E			
AOC 05 (21)	Tree/Trees	3715	47 05 22 N 006 49 49 E			
AOC 23 (1)	Pole	3369	47 04 50 N 006 47 14 E			
AOC 23 (2)	Tree/Trees	3416	47 04 49 N 006 47 14 E			
AOC 23 (3)	Tree/Trees	3417	47 04 41 N 006 46 57 E			
AOC 23 (4)	Tree/Trees	3431	47 04 38 N 006 46 48 E			
AOC 23 (5)	Tree/Trees	3460	47 04 36 N 006 46 40 E			
AOC 23 (6)	Tree/Trees	3495	47 04 34 N 006 46 37 E			
AOC 23 (7)	Tree/Trees	3537	47 04 30 N 006 46 26 E			
Refer also to LSGC AOC 05/23, <a href="#">LSGC AD 2.24.4-1</a>						

**LSGC 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, Geneva 9 hours
4	Type of landing forecast	NIL
5	Briefing/consultation provided	Self Briefing Service (www.skybriefing.com)
6	Flight documentation Language(s) used	Digital 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	Internet connection in the briefing room
9	ATS units provided with information	Les Eplatures TWR
10	Additional information (limitation of service, etc.)	TEL: Weather briefing: 0900 162 767 (Fr), 0900 162 737 (Ge); accessible within Switzerland

**LSZG 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	Guidance sign boards, TWY CL Restrictions see: ACFT PRKG Chart <a href="#">LSZG AD 2.24.2 - 1</a>
2	RWY/TWY markings and LGT	RWY, TWY and holding PSN markings. TWY LGT: see <a href="#">LSZG AD 2.15</a>
3	Stop bars and RWY guard lights	Stop bars: NIL RWY guard lights: on TWY A and D
4	Other RWY protection measures	NIL
5	Remarks	NIL

**LSZG AD 2.10 AERODROME OBSTACLES**

In approach/TKOF areas				In circling area and at aerodrome		3	
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 06 (1)	Pole	1409	47 11 00 N 007 25 24 E	Chimney marked/LGTD	1700	47 08 46 N 007 32 49 E	B0471/02
AOC 06 (2)	Pole	1410	47 11 01 N 007 25 23 E	Pole marked	1437	47 10 45 N 007 24 54 E	B0362/07
AOC 06 (3)	Tree/Trees	1437	47 11 02 N 007 25 24 E	Crane/Cranes marked/LGTD	1679	47 11 49 N 007 23 41 E	B0455/22
AOC 06 (4)	Tree/Trees	1453	47 11 03 N 007 25 51 E	Crane/Cranes marked/LGTD	1634	47 11 46 N 007 25 01 E	B0497/22
AOC 06 (5)	Tree/Trees	1468	47 11 04 N 007 25 51 E				
AOC 06 (6)	Tree/Trees	1485	47 11 14 N 007 25 52 E				
AOC 24 (1)	Pole	1418	47 10 44 N 007 24 40 E				
AOC 24 (2)	Pole	1418	47 10 44 N 007 24 39 E				
AOC 24 (3)	Pole	1419	47 10 46 N 007 24 36 E				
AOC 24 (4)	Pole	1422	47 10 48 N 007 24 34 E				
AOC 24 (5)	Tree/Trees	1453	47 10 44 N 007 24 11 E				
AOC 24 (6)	Pole	1462	47 10 32 N 007 24 10 E				
AOC 24 (7)	Tree/Trees	1471	47 10 36 N 007 23 57 E				
AOC 24 (8)	Tree/Trees	1493	47 10 36 N 007 23 56 E				
Refer also to LSZG AOC 06/24, <a href="#">LSZG AD 2.24.4 - 1</a> Number in brackets is equivalent to identification number on AOC							

**LSZG 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 9 hours
4	Type of landing forecast	NIL
5	Briefing/consultation provided	Self Briefing Service (www.skybriefing.com)
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	NIL
9	ATS units provided with information	CTR: Grenchen TWR / RMZ: ATIS
10	Additional information (limitation of service, etc.)	Weather briefing: Phone: 0900 162 737 (Ge); accessible within Switzerland RMZ: MET INFO on ATIS

**LSZG 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 elevation and highest elevation of TDZ of precision APP RWY	Slope of RWY-SWY
1	2	3	4	5	6	7
06	066° GEO 064° MAG	1000 x 23	PCN 44/F/C/X/T ASPH	47 10 48.99N 007 24 45.88E	1407 ft	Refer to: LSZG AOC RWY 06/24
24	246° GEO 244° MAG			47 11 00.54N 007 25 23.51E	1405 ft	
06 L	066° GEO 064° MAG	390 x 18	0.25 MPa GRASS	NIL	NIL	NIL
24 R	246° GEO 244° MAG					
06 R	066° GEO 064° MAG	700 x 30	0.25 MPa GRASS	NIL	NIL	NIL
24 L	246° GEO 244° MAG					
06 GLD	066° GEO 064° MAG	700 x 30	0.25 MPa GRASS	NIL	NIL	NIL
24 GLD	246° GEO 244° MAG					

Designations RWY NR	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ	Remarks
1	8	9	10	11	12
06	NIL	NIL	1060 x 60	not applicable	Non-instrument runway Grooved 1000 m
24					Non-instrument runway Grooved 1000 m
06 L	NIL	NIL	450 x 60	not applicable	Powered-aircraft runway
24 R					
06 R	NIL	NIL	760 x 60	not applicable	Powered-aircraft runway
24 L					
06 GLD	NIL	NIL	760 x 60	not applicable	Glider runway
24 GLD					

**LSZG AD 2.13 DECLARED DISTANCES**

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
06	955 <sup>1)</sup>	955 <sup>1)</sup>	955 <sup>1)</sup>	865	Line-up TWY A
24	980 <sup>2)</sup>	980 <sup>2)</sup>	980 <sup>2)</sup>	1000	Full length
	660	660	660	not applicable	Intersection TWY D
06 L 24 R	not applicable	not applicable	not applicable	not applicable	GRASS RWY: Refer to VFR Manual LSZG AD INFO + VAC. Familiarisation mandatory.
06 R 24 L	not applicable	not applicable	not applicable	not applicable	GRASS RWY: Refer to VFR Manual LSZG AD INFO + VAC
06 GLD 24 GLD	not applicable	not applicable	not applicable	not applicable	GLIDER RWY: Refer to VFR Manual LSZG AD INFO + VAC

1) MAX 980 m with use of 25 m take-off run extension due to runway code number criteria

2) Due to runway code number criteria

**LSZG 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
06	NIL	RTHL LIH/LIL G - RTIL FLG W	APAPI: 3.5° (3.0 m)	NIL	NIL	LIH/LIL W	LIH/LIL R	NIL	NIL
24	NIL	RTHL LIH/LIL G - RTIL FLG W	APAPI: 3.5° (5.5 m)	NIL	NIL	LIH/LIL W	LIH/LIL R	NIL	NIL

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

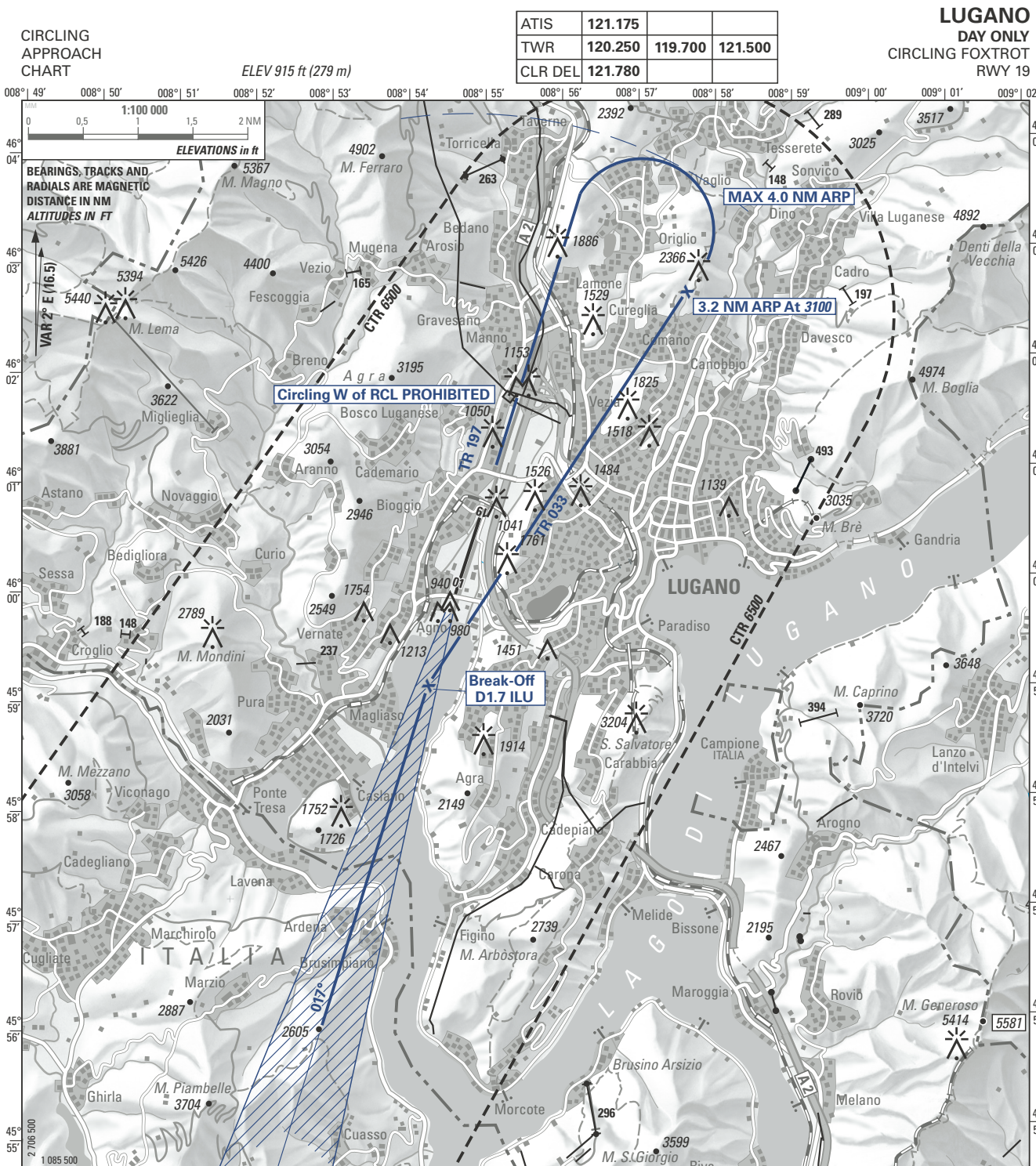
1	ABN/IBN location, characteristics and hours of operation	NIL
2	LDI location and LGT Anemometer location and LGT	NIL
3	TWY edge and centre line lighting	TWY edge lights: LIL B, TWY A and D
4	Secondary power supply/switch-over time	AVBL / < 1sec
5	Remarks	Obstruction marking and lighting

**LSZG AD 2.16 HELICOPTER LANDING AREA**

1	Coordinates TLOF or THR of FATO	Coordinates TLOF or THR of FATO: TLOF 1: 47 10 55 N 007 24 48 E TLOF 2: 47 10 56 N 007 24 47 E TLOF 3: 47 10 56 N 007 24 47 E TLOF 4: 47 10 54 N 007 24 45 E TLOF 5: 47 10 58 N 007 24 59 E
	Geoid undulation	NIL
2	TLOF and/or FATO elevation	TLOF and/or FATO elevation m/ft: TLOF 1: 429 m / 1409 ft TLOF 2: 429 m / 1409 ft TLOF 3: 429 m / 1409 ft TLOF 4: 429 m / 1408 ft TLOF 5: 430 m / 1410 ft
3	TLOF and FATO area dimensions, surface, strength, marking	TLOF and FATO area dimensions, surface strength, marking: TLOF 1, 2, 3 and 4: TLOF stand MAX OAL or OAW 14.65 m, ASPH, marked TLOF 5: TLOF stand MAX OAL or OAW 13.0 m, ASPH, marked FATO: 06/24; 400 x 23 m, ASPH 06L/24R; 380 x 18m, GRASS aiming point marked
4	True BRG of FATO	RWY 06: 066° RWY 24: 246°
5	Declared distance available	see FATO dimensions
6	APP and FATO lighting	NIL
7	Remarks	NIL

**LSZG AD 2.17 ATS AIRSPACE**

1	Designation and lateral limits	Grenchen CTR / RMZ 47 13 05 N 007 32 31 E - Arc of circle centered on 47 11 32 N 007 31 52 E, Radius 1.60 NM, clockwise 47 11 13 N 007 34 10 E - 47 08 02 N 007 23 23 E - 47 07 52 N 007 21 00 E, Arc of circle centered on 47 09 18 N 007 22 02 E, Radius 1.61 NM, clockwise 47 10 03 N 007 19 58 E - 47 11 15 N 007 23 08 E - 47 13 05 N 007 32 31 E
2	Vertical limits	CTR: 4500 ft AMSL (1350 m) RMZ: 2000 ft AGL (600m)
3	Airspace classification	CTR: D RMZ: G
4	ATS unit call sign Language(s)	CTR: En; En and Ge for Non-Commercial VFR traffic. RMZ: En
5	Transition altitude	6000 ft AMSL
6	Remarks	ACT: HX - ATIS (monitoring compulsory)



**WARNING:** Disregard PAPI RWY 01 information.  
 Use PAPI RWY 19 information only within 2 NM from THR

Descent to be arranged to maintain clean configuration as long as possible, safety and ATC requirement considered.

OBST ELEV: ft / HGT: ft

OCA/H CIRCLING	VIS m	CEILING REQUIRED
A & B		
3100 (2185)	Day only 5000	3100 ft AAL
3500 (2585) if ceiling and VIS permit		or higher

**CIRCLING PROCEDURE**

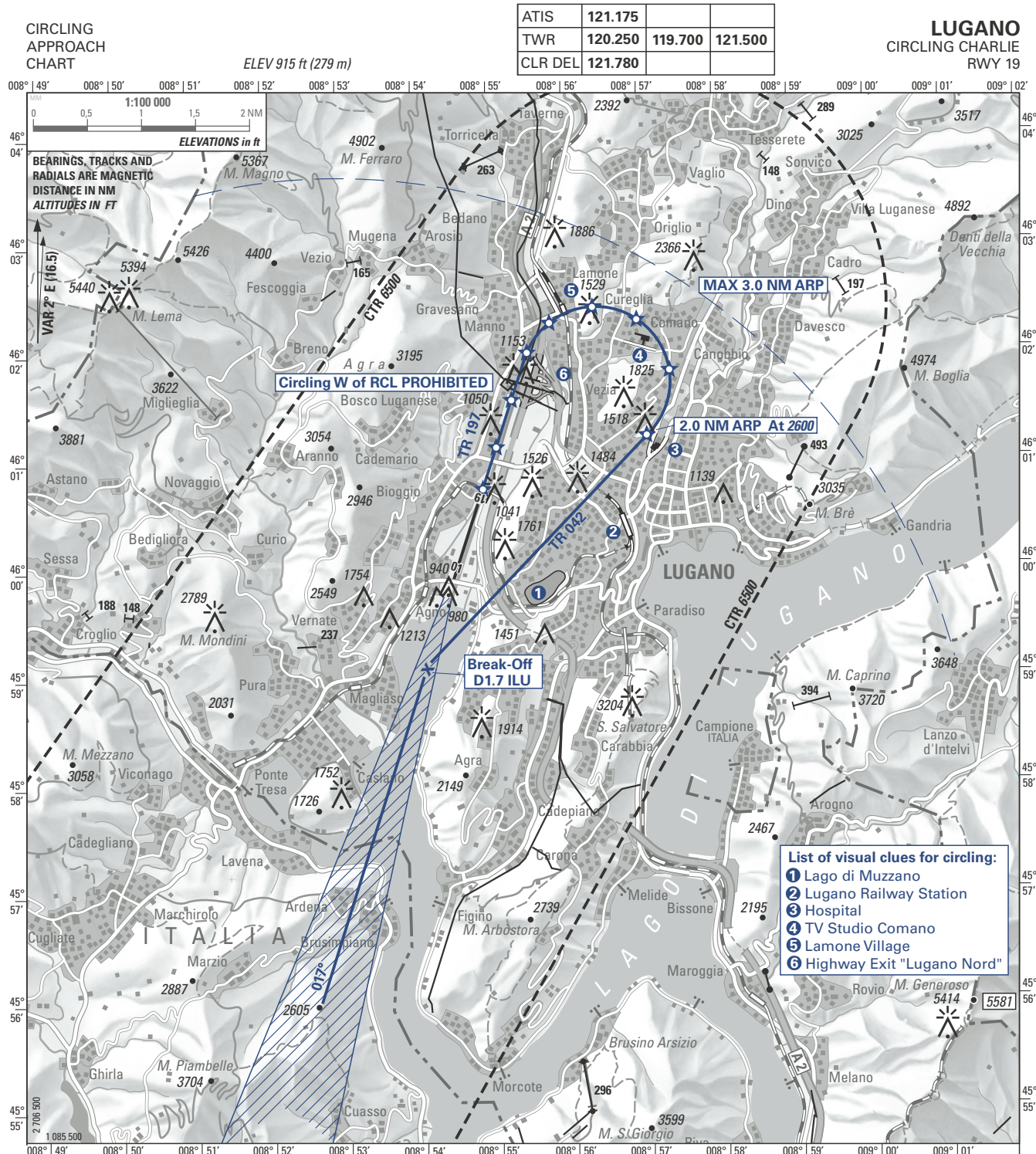
If visual contact is established at D2.2 ILU, continue straight ahead. At D1.7 ILU turn right on track 033°, if ceiling and visibility permit maintain 3500 ft for noise abatement purposes (3100 ft procedure MNM) until 3.2 NM ARP.

At 3.2 NM ARP start left turn onto base.

COR: OBST (WEF 18APR2024)

© swisstopo

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ATIS	121.175		
TWR	120.250	119.700	121.500
CLR DEL	121.780		

**LUGANO**  
CIRCLING CHARLIE  
RWY 19

**WARNING:** Disregard PAPI RWY 01 information.  
Use PAPI RWY 19 information only within 2 NM from THR

Descent to be arranged to maintain clean configuration as long as possible, safety and ATC requirement considered.

**RLLS RWY 19:**  
- In case of failure of the RLLS 19, each concerned mast will be numbered on the published NOTAM. Numbering starts with (L1) at the end of the downwind leg and runs until (L9) for last pole before THR 19.  
- HN: If RLLS RWY 19 u/s, then no clouds below 3000 ft QNH.

OBST ELEV: ft / HGT: ft  
COR: OBST (WEF 18APR2024)

OCA/H CIRCLING	A & B	1) VIS m
	1)	Day 3000
2600 (1685)		Night 5000

**CIRCLING PROCEDURE**  
If visual contact is established at D2.2 ILU, continue straight ahead. At D1.7 ILU turn right on track 042° and continue descent visually to 2600 ft.  
At 2 NM ARP start left turn onto base.

1) Only applicable by operators complying with the requirements of § 2.22.1.1.4.2 § 2b), otherwise the following minimum conditions must be observed:  
VIS 5000 m and ceiling 3100 ft AAL, day only.

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

1	AD category for fire fighting	Category 5 during MIL AD OPR HR. Higher category up to 9 available O/R 48 HR before ETA/ETD.
2	Rescue equipment	One Ambulance
3	Capability for removal of disabled aircraft	During MIL AD OPR HR: Crane, tow-mat, lifting bags
4	Remarks	NIL

**LSMP AD 2.7 SEASONAL AVAILABILITY - CLEARING**

1	Type(s) of clearing equipment	Snow removal available
2	Clearance priorities	RWY, TWY, MIL apron, CIV apron
3	Remarks	Clearing done by MIL

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

1	Designation, surface and strength of Aprons	ASPH: PCN 34/R/C/X/T
2	Designation, width, surface and strength of Taxiways	ASPH PCN > 40 F/C/X/T Details: Ref to LSMP AD 2.24.1 - 1
3	ACL location and elevation	NIL
4	Location of VOR checkpoints	NIL
5	Location of INS checkpoints	NIL
6	Remarks	Parking: CIV apron

**LSMP 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	ACFT stand markings, lead-in and -out markings Information signs at all intersections
2	RWY/TWY markings and LGT	Markings: RWY, TWY and holding PSN LGT: RWY LGT: see <a href="#">LSMP AD 2.14</a> TWY LGT: see <a href="#">LSMP AD 2.15</a>
3	Stop bars and RWY guard lights	NIL
4	Other RWY protection measures	NIL
5	Remarks	Displaced CIV RWY end not lighted

LSMP AD 2.10 AERODROME OBSTACLES

In approach/TKOF areas				In circling area and at aerodrome		
1				2		
RWY/Area affected	Obstacle type Elevation Markings/LGT	Co-ordinates	Obstacle type Elevation Markings/LGT	Co-ordinates	RMK	
a	b	c	a	b	c	
		<i>ft</i>		<i>ft</i>		
AOC 05 (1)	Embankment	1471 46 51 08 N 006 55 41 E				
AOC 05 (2)	Pole	1475 46 51 09 N 006 55 54 E	Crane/Cranes marked/LGTD	1575 46 51 03 N 006 55 21 E	B0843/21	
AOC 05 (3)	Pole	1478 46 51 09 N 006 55 54 E	Crane/Cranes marked/LGTD	1551 46 50 34 N 006 55 13 E	B1231/21	
AOC 05 (4)	Pole	1483 46 51 14 N 006 55 53 E	Crane/Cranes marked/LGTD	1706 46 51 37 N 006 54 56 E	B1384/21	
AOC 05 (5)	Tree/Trees	1523 46 51 16 N 006 56 09 E				
AOC 23 (1)	Enclosure	1473 46 50 06 N 006 53 59 E				
AOC 23 (2)	Enclosure	1474 46 50 06 N 006 53 58 E				
AOC 23 (3)	Enclosure	1474 46 50 01 N 006 54 04 E				
AOC 23 (4)	Enclosure	1475 46 50 05 N 006 53 57 E				
AOC 23 (5)	Enclosure	1476 46 50 04 N 006 53 56 E				
AOC 23 (6)	Pole	1476 46 50 02 N 006 53 58 E				
AOC 23 (7)	Pole	1478 46 50 01 N 006 53 56 E				
AOC 23 (8)	Pole	1482 46 49 59 N 006 53 56 E				
AOC 23 (9)	Pole	1484 46 49 59 N 006 53 56 E				
AOC 23 (10)	Pole	1500 46 49 55 N 006 53 38 E				
AOC 23 (11)	Tree/Trees	1506 46 49 54 N 006 53 37 E				
AOC 23 (12)	Tree/Trees	1509 46 49 53 N 006 53 37 E				
AOC 23 (13)	Pole	1512 46 49 53 N 006 53 35 E				
AOC 23 (14)	Tree/Trees	1517 46 49 52 N 006 53 35 E				
AOC 23 (15)	Tree/Trees	1528 46 49 50 N 006 53 36 E				
AOC 23 (16)	Tree/Trees	1535 46 49 50 N 006 53 34 E				
AOC 23 (17)	Tree/Trees	1542 46 49 48 N 006 53 32 E				
AOC 23 (18)	Tree/Trees	1549 46 49 47 N 006 53 26 E				
AOC 23 (19)	Power line	1577 46 49 32 N 006 53 15 E				

## LSMP 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 elevation and highest elevation of TDZ of precision APP RWY	Slope of RWY-SWY
1	2	3	4	5	6	7
05	049/047	2791 x 40	PCN 34/F/C/X/T	46 50 07.74 N 006 54 07.75 E	1465 ft	-0.09%
23	229/227			46 51 03.11 N 006 55 39.01 E	1455 ft	+0.09%

Designations RWY NR	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ	Remarks
1	8	9	10	11	12
05	NIL	60	2911 x 150	NIL	RWY Strip and RESA dimensions according to non-instrument RWY criteria. CTN: MIL net barrier at end of runway strip CWY only if MIL net barrier lowered RESA available after MIL net barrier
23	NIL	60			

## LSMP AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
05	2433	2433	2433	2708	Max lengths with MIL net barrier raised
	2665	2725	2665	2708	Max lengths with MIL net barrier lowered
	2297	2297	2297	N/A	From turn pad intersection TWY S with MIL net barrier raised.
23	2364	2364	2364	2665	Max lengths with MIL net barrier raised
	2708	2768	2708	2665	Max lengths with MIL net barrier lowered
	2087	2087	2087	N/A	Intersection T/O KILO with net barrier raised

**LSMP AD 2.14 APPROACH AND RUNWAY LIGHTING**

RWY Designator	ALS Type, LEN, INTST	THR LGT colour INTST WBAR	VASIS Type, PSN, MEHT	TDZ 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
05	Calvert CAT I, 770 m LIH	RTHL, G LIH, WBAR, RTIL FLG W	PAPI 4,7°, L (MIL use)	NIL	NIL	120 m, 60 m R, LIH; 1986 m, 60 m W, LIH; 685 m, 60 m Y, LIH	R, LIH CIV RWY end 99 m before RENL	NIL	RWY LGT refer to MIL RWY dimensions
23	Calvert CAT I, 900 m LIH		PAPI 3,7°, L (MIL use)	NIL	NIL	190 m, 60 m R, LIH; 1933 m, 60 m W, LIH; 668 m, 60 m Y, LIH	R, LIH CIV RWY end 69 m before RENL		

**LSMP 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	All TWY with edge lighting
4	Secondary power supply/switch-over time	AVBL / < 15 s
5	Remarks	MIL rotating beacon 0.5 NM final centre line on both sides

**LSMP AD 2.16 HELICOPTER LANDING AREA**

1	Coordinates TLOF or THR of FATO	NIL
	Geoid undulation	NIL
2	TLOF and/or FATO elevation	1460 ft
3	TLOF and FATO area dimensions, surface, strength, marking	FATO on main RWY: 05/23; 500 x 40 m, ASPH: PCN 34 F/C/X/T No specific marking
4	True BRG of FATO	049° / 229°
5	Declared distance available	See FATO dimensions
6	APP and FATO lighting	RWY LGT
7	Remarks	FATO on RWY between TWY M and P

**LSMP AD 2.17 ATS AIRSPACE**

1	Designation and lateral limits	<b>Payerne CTR</b> 46 56 22 N 006 59 31 E - 46 52 33 N 007 04 35 E - 46 44 08 N 006 51 13 E - 46 47 56 N 006 46 09 E - 46 56 22 N 006 59 31 E
2	Vertical limits	FL 100
3	Airspace classification	D
4	ATS unit call sign Language(s)	Language: En; En and Fr for Non-Commercial VFR traffic.
5	Transition altitude	6000 ft AMSL
6	Remarks	NIL

## LSZR AD 2.10 AERODROME OBSTACLES

In approach/TKOF areas				In circling area and at aerodrome		3	
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	
		<i>ft</i>			<i>ft</i>		
AOC 10 (1)	Pole	1307	47 29 05 N 009 34 14 E	Pole LGTD	1323	47 29 11 N 009 32 54 E	B0719/06
AOC 10 (2)	Building	1314	47 29 00 N 009 34 14 E	Antenna LGTD	1342	47 29 06 N 009 33 16 E	B0167/04
AOC 10 (3)	Antenna	1322	47 29 00 N 009 34 14 E	Pole marked/LGTD	1339	47 29 01 N 009 34 00 E	B1310/13
AOC 10 (4)	Tree/Trees	1325	47 29 05 N 009 34 25 E	Control tower LGTD	1360	47 29 16 N 009 33 10 E	B0718/06
AOC 10 (5)	Tree/Trees	1331	47 28 56 N 009 34 30 E	Crane/Cranes marked/LGTD	1409	47 29 07 N 009 32 42 E	B0160/22
AOC 10 (6)	Tree/Trees	1338	47 28 57 N 009 34 30 E	Crane/Cranes marked/LGTD	1384	47 29 11 N 009 34 02 E	B0377/22
AOC 10 (7)	Tree/Trees	1405	47 29 05 N 009 34 37 E	Pole LGTD	1315	47 29 06 N 009 33 20 E	B0097/09
AOC 10 (8)	Tree/Trees	1416	47 29 04 N 009 34 46 E				
AOC 10 (9)	Tree/Trees	1426	47 29 04 N 009 34 47 E				
AOC 28 (1)	Pole	1313	47 29 13 N 009 33 59 E				
AOC 28 (2)	Pole	1315	47 29 08 N 009 32 58 E				
AOC 28 (3)	Tree/Trees	1326	47 29 07 N 009 32 58 E				
AOC 28 (4)	Tree/Trees	1343	47 29 08 N 009 32 57 E				
AOC 28 (5)	Antenna	1347	47 29 08 N 009 32 49 E				
AOC 28 (6)	Antenna	1349	47 29 08 N 009 32 48 E				
AOC 28 (7)	Building	1350	47 29 16 N 009 32 43 E				
AOC 28 (8)	Tree/Trees	1358	47 29 08 N 009 32 41 E				
AOC 28 (9)	Tree/Trees	1375	47 29 09 N 009 32 40 E				
Refer also to LSZR AOC 10/28, LSZR AD 2.24.4 - 1 Number in brackets is equivalent to identification number on AOC							

**LSZR AD 2.11 METEOROLOGICAL INFORMATION PROVIDED**

1	Associated MET Office	MeteoSwiss
2	Hours of service	HX
3	Office responsible for TAF preparation Periods of validity	MeteoSwiss, Zurich 9 hours
4	Type of landing forecast	NIL
5	Briefing/consultation provided	Self Briefing Service (www.skybriefing.com), WLAN Internet
6	Flight documentation Language(s) used	Digital and hard copy En, Ge, Fr
7	Charts and other information available for briefing or consultation	Self Briefing Service (www.skybriefing.com), WLAN Internet
8	Supplementary equipment available for providing information	WLAN Internet
9	ATS units provided with information	St. Gallen TWR
10	Additional information (limitation of service, etc.)	Ground Services +41 (0) 71 858 51 65 and WLAN Internet

**LSZR AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS**

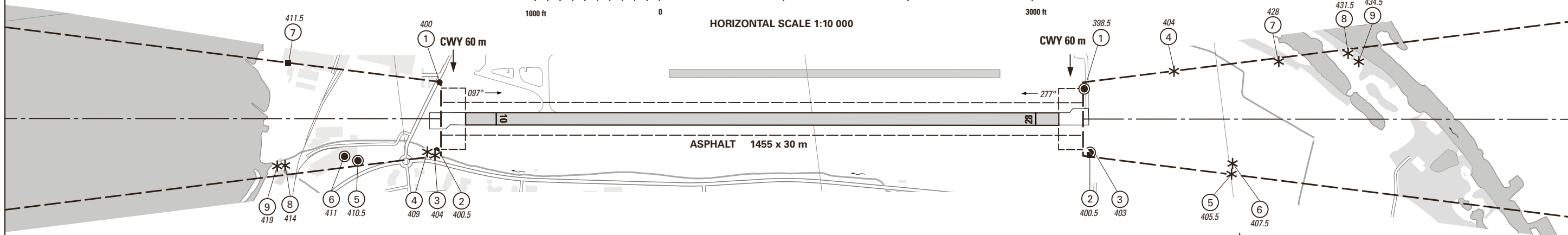
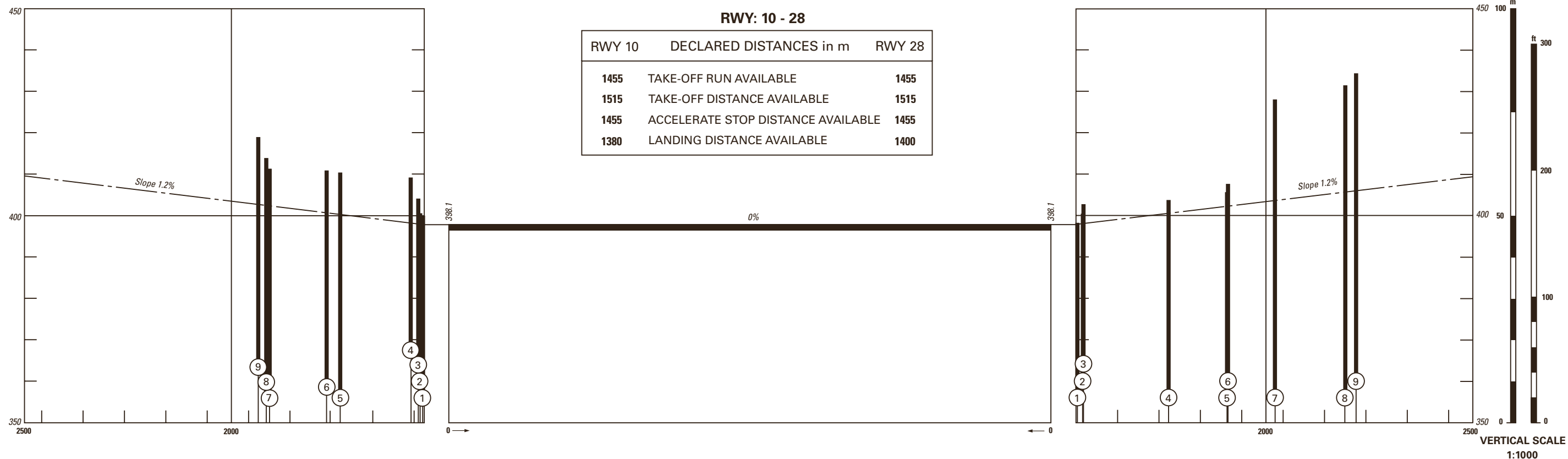
Designations RWY NR	TRUE & MAG BRG	Dimensions of RWY (m)	Strength (PCN) and surface of RWY and SWY	THR COORD	THR elevation and highest elevation of TDZ of precision APP RWY	Slope of RWY-SWY
1	2	3	4	5	6	7
10	099° GEO 097° MAG	1455 x 30	PCN 30/F/C/Y/T ASPH	47 29 09.57N 009 33 05.74E	1306 ft	Refer to: LSZR AOC RWY 10/28
28	279° GEO 277° MAG			47 29 03.04N 009 34 08.31E	1306 ft	
10 GRASS	099° GEO 097° MAG	810 x 20	0.25 MPa GRASS	NIL	NIL	NIL
28 GRASS	279° GEO 277° MAG					

Designations RWY NR	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ	Remarks
1	8	9	10	11	12
10	NIL	60 x 150	1575 x 80	NIL	RWY Strip and RESA dimensions according to non-instrument RWY criteria. RESA: 30 x 60 m
28		60 x 150			Non-instrument RWY RESA: 30 x 60 m
10 GRASS	NIL	NIL	870 x 60	N/A	NIL
28 GRASS					

VAR 2° E (2015.5)

**RWY: 10 - 28**

RWY 10	DECLARED DISTANCES in m	RWY 28
1455	TAKE-OFF RUN AVAILABLE	1455
1515	TAKE-OFF DISTANCE AVAILABLE	1515
1455	ACCELERATE STOP DISTANCE AVAILABLE	1455
1380	LANDING DISTANCE AVAILABLE	1400



AMDT RECORD		
No.	DATE	ENTERED BY

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

LEGEND	
①	Identification number
*	Tree, shrub
●	Pole, tower, spire, antenna, etc.
●	Enclosure
■	Building, large structure

COR: completely revised (WEF 18APR2024)

18th Edition

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**LSGS AD 2.7 SEASONAL AVAILABILITY - CLEARING**

1	Type(s) of clearing equipment	4 snow blowers, 4 snow ploughs, 4 jet sweepers, 3 RWY de-icer, 1 aircraft de-icer
2	Clearance priorities	1. RWY and associated TWY to apron 2. Other TWY and ACFT stands
3	Remarks	Information on snow clearance published from NOV 01 - APR 30 in NOTAM (SNOWTAM) RWY 07/25 de-iced / anti-iced with betaine: BETAFROST (liquid) / NUTRISTIM (solid).

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

1	Designation, surface and strength of Aprons	CONC / ASPH PCN 40 F/B/X/T
2	Designation, width, surface and strength of Taxiways	15/20 m CONC / ASPH PCN 40 F/B/X/T Details: Ref to <a href="#">LSGS AD 2.24</a> . 1/2
3	ACL location and elevation	No ACL markings
4	Location of VOR checkpoints	NIL
5	Location of INS checkpoints	NIL
6	Remarks	NIL

**LSGS 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	ACFT stand identification markings. Lead-in, stop and lead-out lines. Apron safety lines. Marshalling available on sectors North, Grély and South-East.
2	RWY/TWY markings and LGT	RWY markings: D-THR, designation, centre line and pre-THR area, side stripe. RWY LGT: see <a href="#">LSGS AD 2.14</a> TWY markings: Centre line, intermediate holding positions, runway holding position and mandatory instruction at all intersections with RWY. TWY LGT: see <a href="#">LSGS AD 2.15</a> Mandatory instruction signs at all RWY holding positions. Information signs on the movement area.
3	Stop bars and RWY guard lights	Stop bars: NIL RWY guard lights: on TWY A and B
4	Other RWY protection measures	NIL
5	Remarks	The portion of TWY A east of TWY B is located within the runway strip. No use without ATC instructions.

LSGS 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 07 (1)	Enclosure	1591	46 13 22 N 007 20 23 E	Power line	85m AGL	46 15 47 N 007 14 30 E 46 15 27 N 007 14 14 E	B0060/02
AOC 07 (2)	Pole	1592	46 13 23 N 007 20 24 E	Building	1677	46 13 31 N 007 21 26 E	
AOC 07 (3)	Tree/Trees	1611	46 13 24 N 007 20 31 E	Antenna marked	4216	46 11 30 N 007 20 04 E	
AOC 07 (3a)	Tree/Trees	1628	46 13 22 N 007 20 43 E	Building LGTD	1624	46 13 29 N 007 20 53 E	
AOC 07 (3b)	Tree/Trees	1645	46 13 32 N 007 20 56 E	Tree/trees	1804	46 13 04 N 007 18 26 E	
AOC 07 (4)	Tree/Trees	1681	46 13 33 N 007 20 59 E	Tree/trees	1844	46 13 11 N 007 18 44 E	
AOC 07 (5)	Tree/Trees	1689	46 13 33 N 007 20 59 E	Crane/cranes	1686	46 12 55 N 007 17 53 E	B0032/04
AOC 07 (6)	Tree/Trees	1711	46 13 37 N 007 21 14 E	Tower/Mast marked	1693	46 12 51 N 007 18 41 E	
AOC 07 (7)	Tempo crane	1754	46 13 42 N 007 21 39 E	Building	1614	46 13 20 N 007 20 08 E	
AOC 07 (8)	Power line	1920	46 14 03 N 007 24 46 E	Building	1670	46 13 29 N 007 20 36 E	
AOC 07 (9)	Tree/Trees	1940	46 14 05 N 007 24 52 E	Building	1690	46 13 21 N 007 19 54 E	
AOC 07 (10)	Tree/Trees	2081	46 14 05 N 007 24 57 E	Tree/trees	1634	46 13 15 N 007 19 43 E	
AOC 07 (11)	Tree/Trees	2200	46 14 07 N 007 25 04 E	Power line	90 m AGL	46 13 13 N 007 14 50 E 46 13 20 N 007 14 43 E 46 13 28 N 007 14 43 E	B0059/02
AOC 07 (12)	Tree/Trees	2337	46 14 09 N 007 25 09 E	Building LGTD	1611	46 13 19 N 007 20 01 E	B0391/14
AOC 07 (13)	Tree/Trees	2501	46 14 10 N 007 25 15 E	Crane/cranes marked/LGTD	1670	46 13 12 N 007 20 19 E	B0411/05
AOC 07 (14)	Tree/Trees	2590	46 14 12 N 007 25 24 E	Crane/cranes marked	1690	46 13 28 N 007 20 19 E	B0322/22
AOC 07 (15)	Tree/Trees	2735	46 14 14 N 007 25 30 E	Aerial railway marked	3649	46 10 16 N 007 13 17 E 46 09 52 N 007 14 39 E	B0360/09
AOC 07 (16)	Tree/Trees	2865	46 14 21 N 007 25 50 E				
AOC 25 (1)	Enclosure	1585	46 13 01 N 007 18 49 E	Antenna	1697	46 13 40 N 007 21 32 E	B0512/06
AOC 25 (2)	Tree/Trees	1590	46 13 01 N 007 18 49 E	Crane marked/LGTD	1664	46 12 52 N 007 17 43 E	B1102/07
AOC 25 (3)	Tree/Trees	1591	46 13 01 N 007 18 44 E	Antenna LGTD	1631	46 13 11 N 007 19 12 E	B0488/08

## LSZH AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Type(s) of clearing equipment	8 snow blowers, 17 snow ploughs, 19 ACFT de-icers, 11 RWY and apron de-icers, 25 jet sweepers
2	Clearance priorities	Varies according to conditions at AD
3	Remarks	All Rwys / Twys / Aprons de-iced / anti-iced with KFOR (potassium formate fluids)

## LSZH AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Designation, surface and strength of Aprons	CONC - PCN 60 R/B/W/T				
2	Designation, width, surface and strength of Taxiways	WID: 27 m and 23 m CONC - PCN 60 R/B/W/T				
3	ACL location and elevation	Beginning RWY 10: 1391 ft Beginning RWY 28: 1416 ft Beginning RWY 14: 1402 ft Beginning RWY 32: 1402 ft Beginning RWY 16: 1390 ft Beginning RWY 34: 1385 ft Parking sector A: 1400 ft Parking sector C, D: 1390 ft Parking sector B, I: 1397 ft Parking sector E: 1395 ft Parking sector F: 1407 ft Parking sector H: 1404 ft Parking sector P: 1385 ft Parking sector T: 1394 ft Parking sector W: 1382 ft				
4	Location of VOR checkpoints	NIL				
5	Location of INS checkpoints					
	NR	COORD WGS 84	NR	COORD WGS 84	NR	COORD WGS 84
	A02	47 27 12.59N 008 33 31.05E	E4M	47 27 38.86N 008 33 15.85E	P31	47 27 48.26N 008 33 11.51E
	A03	47 27 14.35N 008 33 40.18E	E5M	47 27 39.25N 008 33 08.66E	P32	47 27 48.41N 008 33 09.45E
	A04	47 27 12.40N 008 33 29.08E	E19	47 27 41.16N 008 33 30.08E	P33	47 27 48.55N 008 33 07.38E
	A05	47 27 14.42N 008 33 38.15E	E20	47 27 38.04N 008 33 30.07E	P34	47 27 48.70N 008 33 05.31E
	A07	47 27 14.56N 008 33 36.01E	E23	47 27 40.85N 008 33 27.92E	P35	47 27 49.10N 008 32 58.19E
	A08	47 27 13.03N 008 33 25.29E			P36	47 27 50.38N 008 32 57.32E
	A09	47 27 14.50N 008 33 33.99E	E26	47 27 38.05N 008 33 26.60E	P37	47 27 51.66N 008 32 56.44E
	A10	47 27 12.97N 008 33 23.34E	E27	47 27 41.13N 008 33 24.48E		
	A11	47 27 15.08N 008 33 28.87E			T41	47 26 38.04N 008 34 01.46E
	A13	47 27 15.28N 008 33 26.86E	E32	47 27 38.18N 008 33 23.26E	T42	47 26 37.23N 008 34 00.20E
	A15	47 27 15.29N 008 33 24.82E	E33	47 27 41.85N 008 33 21.81E	T43	47 26 36.40N 008 33 58.33E
	A17	47 27 15.27N 008 33 22.78E	E34	47 27 38.33N 008 33 22.58E	T44	47 26 35.54N 008 33 56.25E
			E35	47 27 41.32N 008 33 21.03E	T45	47 26 46.45N 008 33 59.87E
	A42	47 27 11.77N 008 33 36.63E	E36	47 27 38.07N 008 33 21.15E	T46	47 26 45.07N 008 34 00.23E
	A44	47 27 12.13N 008 33 33.96E	E37	47 27 41.87N 008 33 19.72E		
	A46	47 27 12.38N 008 33 30.37E	E42	47 27 38.61N 008 33 19.14E		
	A48	47 27 12.64N 008 33 27.17E	E43	47 27 41.57N 008 33 17.59E		
	A49	47 27 14.80N 008 33 31.35E	E44	47 27 38.20N 008 33 17.00E		
	A57	47 27 15.58N 008 33 20.44E	E45	47 27 42.10N 008 33 15.58E		
			E46	47 27 38.87N 008 33 15.71E		
	B31	47 27 05.67N 008 33 35.65E	E47	47 27 41.86N 008 33 14.15E	T60	47 26 39.19N 008 33 47.42E
	B32	47 27 01.56N 008 33 35.01E	E48	47 27 38.33N 008 33 14.93E	T61	47 26 39.22N 008 33 46.47E
	B33	47 27 05.87N 008 33 33.66E	E49	47 27 42.05N 008 33 13.48E	T62	47 26 38.57N 008 33 45.47E
	B34	47 27 01.30N 008 33 34.32E	E50	47 27 38.92N 008 33 12.93E	T63	47 26 37.95N 008 33 43.52E
	B35	47 27 05.81N 008 33 32.29E	E51	47 27 42.77N 008 33 10.93E		

5	Location of INS checkpoints					
	NR	COORD WGS 84	NR	COORD WGS 84	NR	COORD WGS 84
	B36	47 27 01.24N 008 33 32.90E	E52	47 27 39.06N 008 33 12.26E	W01	47 26 53.81N 008 32 56.31E
	B37	47 27 05.55N 008 33 31.60E	E53	47 27 42.10N 008 33 10.13E	W02	47 26 53.98N 008 32 58.59E
	B38	47 27 01.55N 008 33 30.88E	E54	47 27 38.82N 008 33 10.83E	W03	47 26 55.11N 008 33 00.42E
	B39	47 27 06.05N 008 33 28.94E	E55	47 27 42.81N 008 33 08.85E	W04	47 26 55.58N 008 33 03.02E
	B41	47 27 06.35N 008 33 26.97E	E56	47 27 39.34N 008 33 08.82E	W05	47 26 56.14N 008 33 04.79E
	B43	47 27 06.48N 008 33 25.62E	E57	47 27 42.34N 008 33 06.69E	W21	47 26 54.19N 008 32 56.76E
	B45	47 27 06.51N 008 33 24.98E	E58	47 27 38.72N 008 33 06.88E	W22	47 26 55.18N 008 32 59.90E
			E62	47 27 39.91N 008 33 05.72E	W23	47 26 56.29N 008 33 03.40E
	C50	47 26 54.70N 008 33 41.76E	E64	47 27 41.12N 008 33 04.63E	W30	47 26 55.15N 008 32 59.23E
	C51	47 26 53.41N 008 33 42.57E	E67	47 27 42.19N 008 33 04.18E		
	C52	47 26 52.57N 008 33 43.22E			W42	47 27 08.31N 008 32 52.07E
	C53	47 26 52.13N 008 33 43.45E	F70	47 27 17.95N 008 34 04.41E		
	C54	47 26 50.34N 008 33 44.68E	F71	47 27 18.23N 008 34 00.43E		
	C55	47 26 49.94N 008 33 45.04E	F72	47 27 18.51N 008 33 56.45E		
	C56	47 26 49.06N 008 33 45.56E				
	C57	47 26 47.81N 008 33 46.50E				
	C58	47 26 46.51N 008 33 47.32E	G01	47 26 33.89N 008 33 38.03E		
	C59	47 26 45.72N 008 33 48.10E	G02	47 26 32.51N 008 33 38.97E		
	C60	47 26 45.24N 008 33 48.20E	G03	47 26 31.13N 008 33 39.92E		
	D01	47 26 55.25N 008 33 29.93E	G04	47 26 29.75N 008 33 40.87E		
	D02	47 26 54.92N 008 33 30.01E	G05	47 26 28.37N 008 33 41.82E		
	D03	47 26 53.90N 008 33 30.86E	G06	47 26 27.08N 008 33 43.05E		
	D04	47 26 52.95N 008 33 31.26E				
	D05	47 26 52.58N 008 33 32.00E	G11	47 26 32.90N 008 33 46.37E		
	D06	47 26 49.00N 008 33 34.74E	G12	47 26 31.55N 008 33 47.13E		
	D07	47 26 48.09N 008 33 34.47E	G13	47 26 30.28N 008 33 48.12E		
	D08	47 26 47.70N 008 33 35.45E	G14	47 26 28.97N 008 33 49.02E		
	D09	47 26 46.35N 008 33 36.38E				
	D10	47 26 45.49N 008 33 36.25E	H11	47 27 20.38N 008 33 41.52E		
	D11	47 26 45.11N 008 33 37.24E	H12	47 27 20.56N 008 33 38.07E		
	D12	47 26 43.76N 008 33 38.17E	H13	47 27 20.70N 008 33 36.04E		
	D13	47 26 42.90N 008 33 38.04E	H14	47 27 20.91N 008 33 34.04E		
	D14	47 26 42.51N 008 33 39.03E				
	D15	47 26 41.16N 008 33 39.96E	I01	47 27 21.39N 008 33 26.87E		
	D16	47 26 40.30N 008 33 39.83E	I02	47 27 21.51N 008 33 24.72E		
	D17	47 26 39.91N 008 33 40.81E	I03	47 27 21.74N 008 33 21.50E		
			I04	47 27 21.89N 008 33 19.36E		
			I05	47 27 22.04N 008 33 17.22E		
6	Remarks		Transverse slopes of following taxiway strips partially exceeding downward slope of 5 % beyond graded portion: - TWY BRAVO (western part) - TWY ECHO (between E3 and E1, between TWY DELTA and CHARLIE) - TWY FOXTROTT (between TWY DELTA and CHARLIE) - TWY GOLF (eastern part)			

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

1	<b>Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands</b>	<p><b>Dock A, B and E</b> Due to system replacement, two different Docking Guidance Systems in operation (only one per stand):</p> <ul style="list-style-type: none"> <li>• Safegate Aircraft Docking Guidance System "Safedock" (existing).</li> <li>• Safegate Aircraft Docking Guidance System "Safedock A-VDGS T1" (new)</li> </ul> <p>During the testing phase the new system will be initially installed at stands A17, B38 and E57.</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). On the new A-VDGS T1 system, the ATC call sign is displayed in addition. Note that only on the old Safedock systems, the Airbus Neo series aircraft (A19N/A20N/A21N) are displayed as standard Airbus ICAO codes (A319/A320/A321). 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 on both systems. Additionally, arrows show direction of turn if aircraft is not aligned with CL.</li> <li>• Display of digital countdown in meters starts at 20m (old Safedock) and 15m (new A-VDGS T1) 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 markings are located to the left with a 90 degree angle to the guide lines and visible from the left-hand pilot seat only. ACFT has to be stopped with the pilot seat ABM the stop line. (REF: <a href="#">LSZH AD 2.24.3</a> - 1, inset)</p>
2	<b>RWY/TWY markings and LGT</b>	<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</a> - 1)</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	<b>Stop bars and RWY guard lights</b>	<p>LIH (REF: <a href="#">LSZH AD 2.24.3</a> - 1 and <a href="#">LSZH AD 2.24.3</a> - 3) On apron, taxiway centre line light section after stop bars not switchable.</p>
4	<b>Other RWY protection measures</b>	NIL
5	<b>Remarks</b>	<ol style="list-style-type: none"> <li>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</a> - 1)</li> <li>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</a> - 1) Be aware of repositioning of de-icing trucks within the remote de-icing facilities.</li> </ol>

**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				

**Site Overview**

**Remote De-icing Pad**

De-icing Pad Coordinator  
FREQ 121.635 MHz  
F1 / F2 / F3.  
To commence de-icing, ACFT has to stop at the stop position (marked and yellow lighted) located to the left of the de-icing lane.  
REF: LSZH AD 2.9

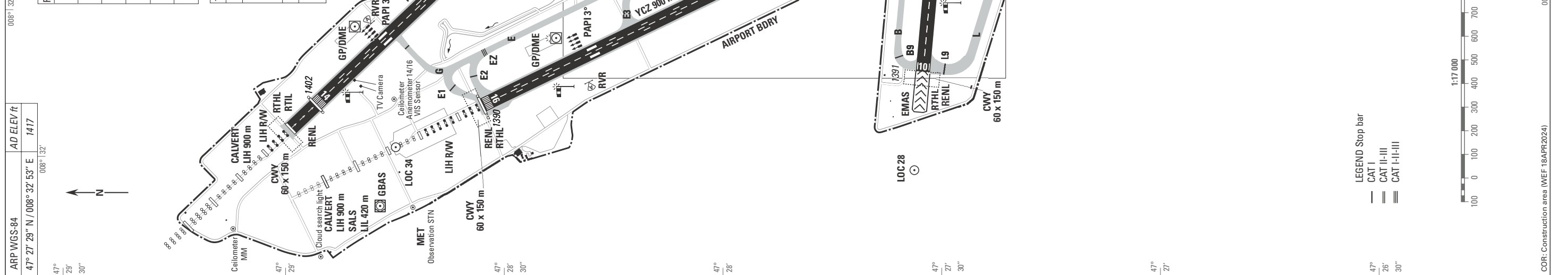
De-icing Pad Coordinator  
FREQ 121.640 MHz  
C1 / C2 / C3.  
To commence de-icing, ACFT has to stop at the stop position (marked and yellow lighted) located to the left of the de-icing lane.  
REF: LSZH AD 2.9

RWY LGT	ALS	RTHL	RTIL	VASIS	RTZL	RCLL	REDL	YZC	RENL
10	-	✓	-	-	-	✓	✓	600 m	✓
28	Calvert	✓	✓	PAPI 3.3° MEHT 18.83 m	(simple TZL)	✓	✓	600 m	✓
14	Calvert Cat. II/III	✓	✓	PAPI 3° MEHT 17.40 m	✓	✓	✓	600 m	✓
32	-	✓	✓	-	-	✓	✓	600 m	✓
16	Calvert Cat. II/III	✓	✓	PAPI 3° MEHT 20.57 m	✓	✓	✓	600 m	✓
34	Calvert Cat. I	✓	✓	PAPI 3.3° MEHT 17.60 m	-	✓	✓	600 m	✓

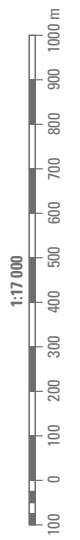
  

TWY LGT	EDGE	CL	RETL	RGL
	Apron Area, B7, L, L7, G, RWY-Exits, TWY Curves	A, A1, B, B1, B9, C, C1, C2, C3, D, E, E1, E2, E3, E5, E7, E8, E9, F, F1, F2, F3, H, H1, H2, H3, INNER, J, K, L9, Link 1, Link 2, Link 3, Link 4, Link 5, Link 6, Link 7, M, N, P, Z	H1	A1, B, B1, B7, B9, E, E1, E2, E3, E5, E6, E7, E8, E9, F, G, H1, H2, H3, J, K, L, L7, L9, R7, R8

For OBST see AIP LSZH AD 2.10

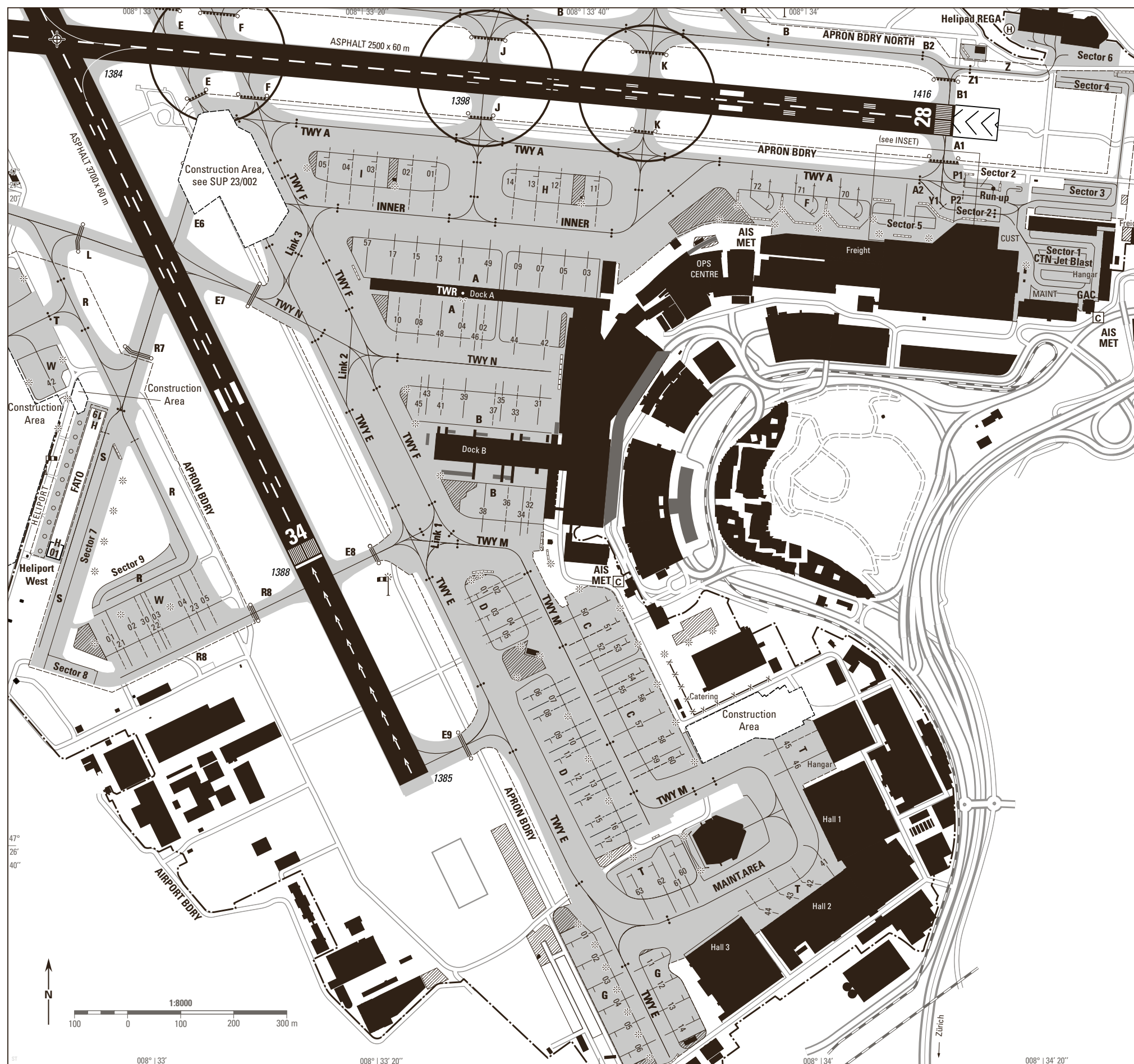


LEGEND Stop bar  
 CAT I  
 CAT II-III  
 CAT I-I-III

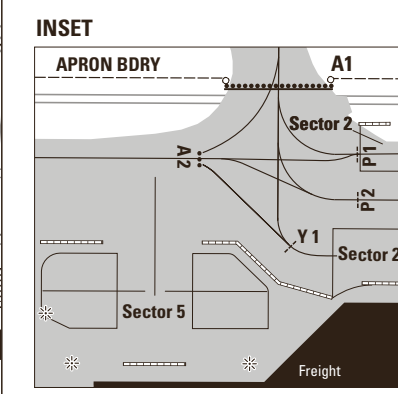


COR: Construction area (WIEF 18APR2024)

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**APRON SOUTH**



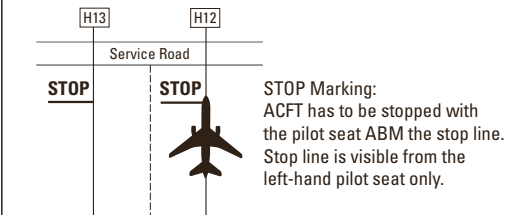
For sequencing - ACFT South of RWY 10-28 with TAKE OFF RWY 28 will initially be cleared to the intermediate HLDG PSN A2, P1, P2 or Y1

**LEGEND**

- Guideline for taxiing
- - - Intermediate HLDG PSN
- Intermediate HLDG PSN with Stop bar
- RWY GUARD LGT
- Stop bar CAT I
- ▬▬▬ Stop bar LGT CAT I H24
- ▬▬▬ Stop bar LGT CAT II-III
- ▬▬▬ Stop bar LGT CAT I-II-III H24
- ▬▬▬ Blast fences
- \* Light pole

TWY LGT	
EDGE	Apron Area, B7, L, L7, G, RWY-Exits, TWY Curves
CL	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, 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, R8

**ACFT PRKG:**



**GENERAL REMARKS**

On apron wing tip clearance is provided only if ACFT main gear centre remains over the guidelines.

TWY A and TWY B:  
DRG ILS APCH RWY 28, TWY A and TWY B BTN TWY K and THR 28 CLSD to ACFT with wingspan equal or greater than 36 m.

TWY E BTN G01 and G06 : ICAO Code C ACFT only up to 36 m wingspan  
TWY F from TWY-N to TWY-M: ICAO Code C ACFT only up to 36 m wingspan  
TWY P: ICAO Code C ACFT only up to 36 m wingspan  
TWY S: MAX 30 m wingspan, with marshaller MAX 31 m  
TWY Z: Outer main gear wheel span MAX 6 m. MAX 30 m wingspan

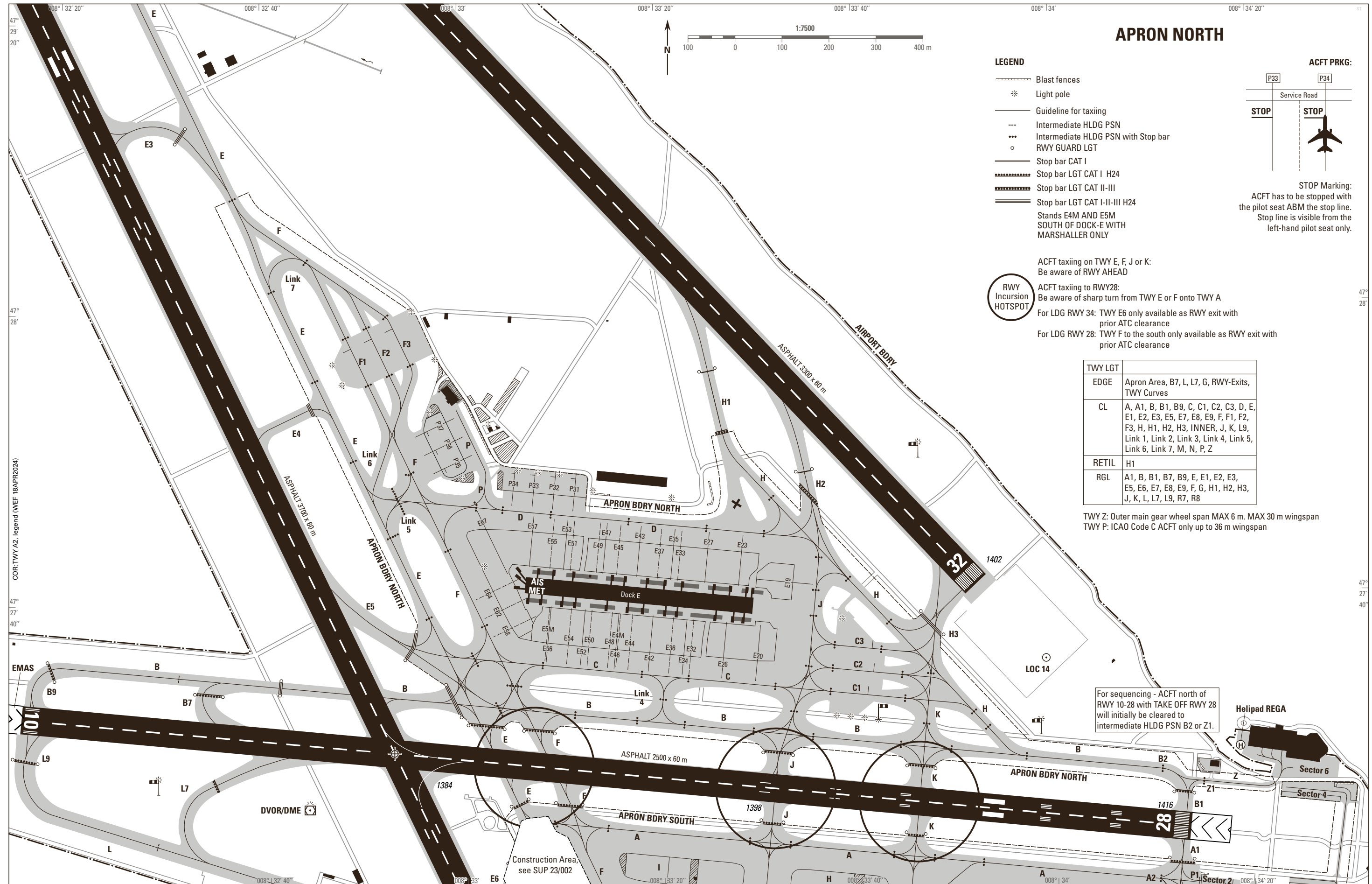
**RWY Incursion HOTSPOT**

ACFT taxiing on TWY E, F, J or K:  
Be aware of RWY AHEAD  
ACFT taxiing to RWY28:  
Be aware of sharp turn from TWY E or F onto TWY A  
For LDG RWY 34: TWY E6 only available as RWY exit with prior ATC clearance  
For LDG RWY 28: TWY F to the south only available as RWY exit with prior ATC clearance

All Parking PSN W: Outbound with push-back only

COR: Construction area, TWY A2-Y1, W41 withdrawn, legend (WEF 18APR2024)

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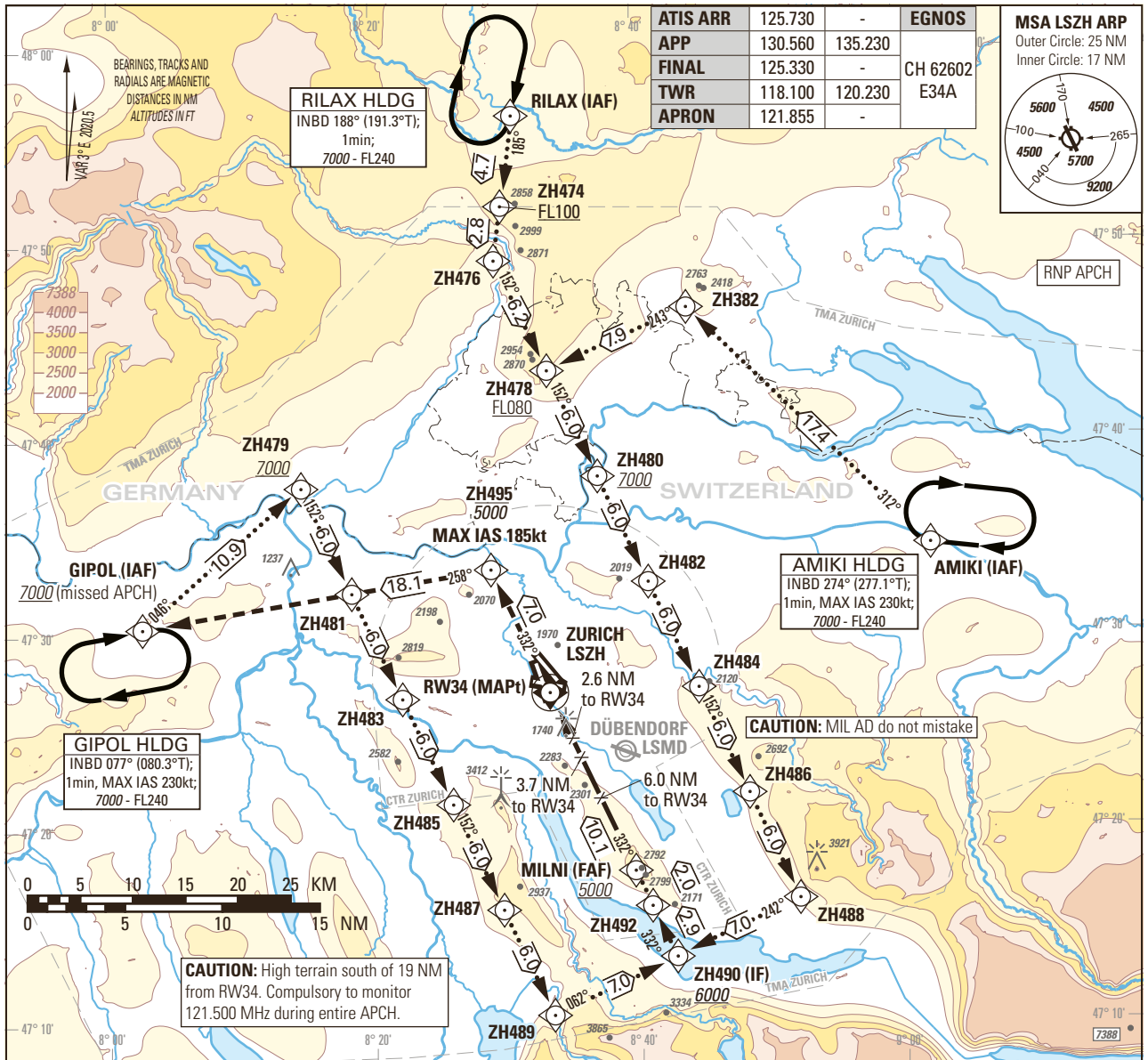
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Instrument Approach Chart  
(IAC) - ICAO

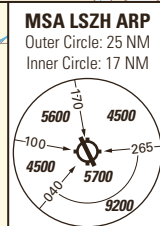
AD ELEV 1417ft

TRANSITION LEVEL by ATC  
TRANSITION ALTITUDE 7000

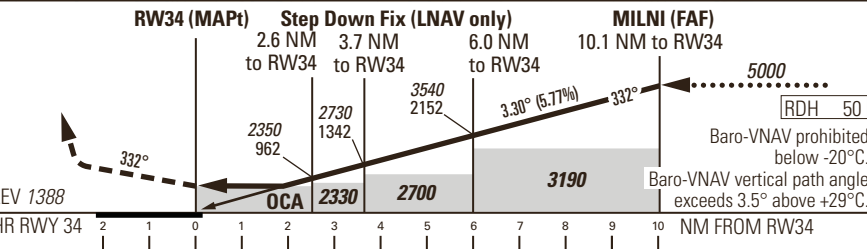
ZURICH LSZH  
RNP RWY 34  
(by ATC only)



ATIS ARR	125.730	-	EGNOS
APP	130.560	135.230	CH 62602
FINAL	125.330	-	E34A
TWR	118.100	120.230	
APRON	121.855	-	



**MISSED APPROACH**  
Initial climb clearance 5000.  
Climb straight ahead to ZH495.  
Proceed to GIPOL.  
Continue climb to 7000.  
MAX IAS 185kt to ZH495.  
Cross ZH495 at or below 5000.  
Cross GIPOL at or above 7000.



Missed APCH climb gradient requirement	STRAIGHT-IN APPROACH OBSTACLE CLEARANCE ALTITUDE (HEIGHT)				
	A	B	C	D	D <sub>L</sub>
LNAV	1990 (610)				
LNAV/VNAV	1789 (401)	1799 (411)	1812 (424)	1821 (433)	
2.7% to 2100	1542 (154)	1552 (164)	1561 (173)	1574 (186)	1580 (192)
2.5%	1588 (200)	1598 (210)	1609 (221)	1619 (231)	
	DECISION ALTITUDE (HEIGHT)				
2.7% to 2100	1588 (200)				

ROD	GS kt	90	110	130	150
	FT/MIN	526	642	759	876

**CAUTION**  
LNAV only: VSS penetrated by buildings up to 1530ft AMSL on the right-hand side of the final approach shortly before THR34.

**NOTE**  
Level assignments will be issued by ATC.

DIST RW34	2	3	4	5	6	7	8	9	10	11	12	13
recommended CROSSING ALT	2140	2490	2840	3190	3540	3900	4250	4600	4950	5300	5650	6000
recommended CROSSING HGT	760	1110	1460	1810	2160	2510	2860	3210	3560	3910	4260	4610

COR: editorial (WEE-18APR2024)

Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LSZH
Runway	34
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E34A
LTP/FTP Latitude	472657.3930N
LTP/FTP Longitude	0083314.9145E
LTP/FTP Ellipsoidal Height (metres)	470.2
FPAP Latitude	472835.6520N
Delta FPAP Latitude (seconds)	98.2590
FPAP Longitude	0083207.2645E
Delta FPAP Longitude (seconds)	-67.6500
Threshold Crossing Height	50.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.30
Course Width (metres)	105.00
Length Offset (metres)	104
HAL (metres)	40.0
VAL (metres)	35.0

Output data

Data Block	10 08 1A 13 0C 22 00 00 01 34 33 05 E2 EE 5C 14 45 C9 AB 03 5E 26 A6 FF 02 7C EF FD F4 01 4A 01 64 0D C8 AF 08 C8 EF 22
Calculated CRC Value	08C8EF22

Required Additional Data

ICAO Code	LS
LTP/FTP Orthometric Height (metres)	423.0