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AIP

AMDT 006 2022

Effective Date 16 JUN 2022

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 - 9/10	16 JUN 2022
GEN 0.3 - 1/2	16 JUN 2022
GEN 0.4 - 1/2	16 JUN 2022
GEN 0.4 - 3/4	16 JUN 2022
GEN 0.4 - 5/6	16 JUN 2022
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GEN 3.6 - 5/6	16 JUN 2022
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ENR 6.1 - 1/2	16 JUN 2022
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LSZB AD 2 - 5/6	16 JUN 2022

Destroy the following pages:

GEN 0.2 - 9/10	19 MAY 2022
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GEN 0.4 - 1/2	AIRAC 16 JUN 2022
GEN 0.4 - 3/4	AIRAC 16 JUN 2022
GEN 0.4 - 5/6	AIRAC 16 JUN 2022
GEN 0.4 - 7/8	AIRAC 16 JUN 2022
GEN 1.7 - 25/26	31 DEC 2020
GEN 3.6 - 1/2	31 DEC 2020
GEN 3.6 - 3/4	31 DEC 2020
GEN 3.6 - 5/6	21 MAY 2020
ENR 2.1 - 3/4	AIRAC 24 MAR 2022
ENR 2.1 - 5/6	AIRAC 26 MAR 2020
ENR 2.1 - 9/10	20 JUN 2019
ENR 2.1 - 19/20	AIRAC 25 MAR 2021
ENR 2.1 - 21/22	AIRAC 25 MAR 2021
ENR 2.1 - 23/24	AIRAC 25 MAR 2021
ENR 5.1 - 3/4	AIRAC 24 MAR 2022
ENR 6.1 - 1/2	24 MAR 2022
ENR 6.3 - 1/2	AIRAC 19 MAY 2022
LSZB AD 2 - 5/6	19 MAY 2022

Pages to be inserted and deleted continued on next page(s)

2. Record entry of amendment on page GEN 0.2

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

NOTAM: B0377/22, B0473/22, B0454/22, B0455/22, B0466/22

AIP SUP: NIL

AIC: NIL

Enroute chart: NIL

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

Checklist SUP: 002 2022

Checklist AIRAC SUP: NIL

Insert the following pages:		Destroy the following pages:	
LSZB AD 2 - 9/10	16 JUN 2022	LSZB AD 2 - 9/10	15 JUL 2021
LSZB AD 2.24.13 - 1/2	16 JUN 2022	LSZB AD 2.24.13 - 1/2	AIRAC 18 JUN 2020
LSZB AD 2.24.13 - 3/4	16 JUN 2022	LSZB AD 2.24.13 - 3/4	AIRAC 18 JUN 2020
LSZC AD 2 - 5/6	16 JUN 2022	LSZC AD 2 - 5/6	15 AUG 2019
LSGC AD 2 - 7/8	16 JUN 2022	LSGC AD 2 - 7/8	AIRAC 19 MAY 2022
LSGG AD 2 - 5/6	16 JUN 2022	LSGG AD 2 - 5/6	24 MAR 2022
LSZG AD 2 - 3/4	16 JUN 2022	LSZG AD 2 - 3/4	21 APR 2022
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LSMP AD 2.24.4 - 3/4	16 JUN 2022		
LSZR AD 2 - 5/6	16 JUN 2022	LSZR AD 2 - 5/6	21 APR 2022
LSZR AD 2 - 7/8	16 JUN 2022	LSZR AD 2 - 7/8	AIRAC 24 MAR 2022
LSGS AD 2 - 1/2	16 JUN 2022	LSGS AD 2 - 1/2	09 SEP 2021
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LSGS AD 2 - 11/12	16 JUN 2022	LSGS AD 2 - 11/12	31 DEC 2020
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LSGS AD 2.24.2 - 1/2	16 JUN 2022	LSGS AD 2.24.2 - 1/2	AIRAC 27 JAN 2022
LSZH AD 2 - 5/6	16 JUN 2022	LSZH AD 2 - 5/6	30 DEC 2021

AIP Amendment			
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	
010/2021	07-Oct-2021	07-Oct-2021	
011/2021	04-Nov-2021	04-Nov-2021	
012/2021	02-Dec-2021	02-Dec-2021	
013/2021	30-Dec-2021	30-Dec-2021	
001/2022	27-Jan-2022	27-Jan-2022	
002/2022	24-Feb-2022	24-Feb-2022	
003/2022	24-Mar-2022	24-Mar-2022	
004/2022	21-Apr-2022	21-Apr-2022	
005/2022	19-May-2022	19-May-2022	
006/2022	16-Jun-2022	16-Jun-2022	

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GEN 0.3 RECORD OF SUPPLEMENTS AND AIRAC SUPPLEMENTS

NR/Year	Subject	AIP section(s) affected	Period of validity	Cancellation record
002/2022	Maintenance Check Flights and Test Flights within LSAG CTA	NIL	19-May-2022	UFN

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GEN 0.4 CHECKLIST OF AIP PAGES

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GEN 0.2 - 4	AIRAC 16 JUN 2022
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GEN 0.2 - 6	AIRAC 23 JUN 2016
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LSGS AD 2.24.7 - 5	AIRAC 26 MAR 2020
LSGS AD 2.24.7 - 6	AIRAC 26 MAR 2020
LSGS AD 2.24.9 - 1	AIRAC 26 MAR 2020
LSGS AD 2.24.9 - 2	AIRAC 26 MAR 2020
LSGS AD 2.24.10 - 1	AIRAC 26 MAR 2020
LSGS AD 2.24.10 - 2	AIRAC 26 MAR 2020
LSGS AD 2.24.10 - 3	AIRAC 26 MAR 2020
LSGS AD 2.24.10 - 4	AIRAC 26 MAR 2020
LSGS AD 2.24.10 - 5	16 JUL 2020
LSGS AD 2.24.10 - 6	16 JUL 2020
LSGS AD 2.24.13 - 1	AIRAC 26 MAR 2020
LSGS AD 2.24.13 - 2	AIRAC 26 MAR 2020
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LSGS AD 2.24.13 - 4	AIRAC 26 MAR 2020
LSZH AD 2 - 1	24 MAR 2022
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LSZH AD 2 - 5	16 JUN 2022
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LSZH AD 2 - 7	24 MAR 2022
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LSZH AD 2 - 29	21 APR 2022
LSZH AD 2 - 30	21 APR 2022
LSZH AD 2 - 31	09 SEP 2021
LSZH AD 2 - 32	09 SEP 2021
LSZH AD 2 - 33	AIRAC 27 JAN 2022
LSZH AD 2 - 34	AIRAC 27 JAN 2022
LSZH AD 2 - 35	07 OCT 2021
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LSZH AD 2 - 39	07 OCT 2021
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LSZH AD 2 - 41	AIRAC 24 MAR 2022
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LSZH AD 2 - 46	AIRAC 24 MAR 2022
LSZH AD 2 - 47	07 OCT 2021
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LSZH AD 2 - 49	02 DEC 2021
LSZH AD 2 - 50	02 DEC 2021
LSZH AD 2 - 51	AIRAC 24 MAR 2022
LSZH AD 2 - 52	AIRAC 24 MAR 2022
LSZH AD 2 - 53	07 OCT 2021
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LSZH AD 2 - 55	AIRAC 02 DEC 2021
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LSZH AD 2 - 63	30 DEC 2021
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LSZH AD 2 - 65	30 DEC 2021
LSZH AD 2 - 66	30 DEC 2021
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LSZH AD 2.24.1 - 1	24 MAR 2022
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LSZH AD 2.24.3 - 4	24 MAR 2022
LSZH AD 2.24.3 - 5	17 JUN 2021
LSZH AD 2.24.3 - 6	17 JUN 2021
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LSZH AD 2.24.6 - 2	AIRAC 24 MAR 2022
LSZH AD 2.24.6 - 3	AIRAC 02 DEC 2021
LSZH AD 2.24.6 - 4	AIRAC 02 DEC 2021
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LSZH AD 2.24.7.1 - 3	AIRAC 24 MAR 2022
LSZH AD 2.24.7.1 - 4	AIRAC 24 MAR 2022
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2. Data not compliant with data quality requirements

Several Data are not compliant with EU Commision Regulation 73/100 (ADQ). Details can be found online via:
URL: https://api.skyguide.ch/wp-content/uploads/2022/04/Skyguide-ADQ-Declaration-1.pdf

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GEN 3.6 SEARCH AND RESCUE

1. Responsible service

The SAR service is under the responsibility of FOCA. The provision execution of SAR is delegated to the Swiss Air Force (RCC and search FLTs).
SAR can task further resources or supporting organisations, if deemed necessarily, such as:

- Air force units;
- Army units;
- Canton police forces;
- Civil aviation companies;
- Neighbor RCCs
- OFCOM
- Skyguide (ATS).
- the Swiss Air Ambulance (REGA) and other HEMS operators;
- Swiss Alpine Rescue;
- Swiss Red Cross organisations;

SEARCH AND RESCUE CO-ORDINATION CENTRE (RCC) SAR Centre Zurich				
Postal address	**TEL H24**	**FAX**	**Telex AFTN**	**Notes**
Schweizer Luftwaffe / Swiss Air Force RCC / Op Zen LW Flugplatz Dübendorf / OZD CH-8600 Dübendorf Switzerland	+41 (0) 58 484 10 00	NIL	LSARYCYX	Email: rcc.lw@vtg.admin.ch
Search And Rescue area: Switzerland and Liechtenstein **Supervising authority:** Federal Department of Environment, Transport, Energy and Communications (DETEC) **Name and location of Rescue SubCentre:** NIL				

The SAR service in Switzerland is provided in accordance with ICAO SARPS.

The following publications are applied:

- ICAO Annex 12: Search and Rescue;
- ICAO DOC 7030: The regional supplementary procedures for alerting and SAR-services;
- ICAO DOC 9731: International Aeronautical and Maritime Search and Rescue Manual.

2. Area of responsibility

The SAR area encompasses the territories of the Swiss Confederation and of the Principality of Liechtenstein. This area is enclosed by the frontiers and is not coincident in all parts with the FIR Switzerland (different from ICAO Annex 12, recommendation 2.2.1.1).

3. SAR agreements

3.1 Co-operation with search and rescue services of other States

Prior request for the participation of foreign SAR units in SAR operations in Switzerland and in the Principality of Liechtenstein must be submitted to the Swiss RCC. The Swiss Air Force is able to grant the appropriate permission.

In accordance with ICAO Annex 12, § 4.2.2, refuelling, lubricating and servicing facilities can be made AVBL for foreign SAR ACFT at the following ADs: Bern-Belp, Genève, Locarno, Sion, St. Gallen-Altenrhein and Zurich.

4. Conditions of availability

NIL

5. Procedures and signals used

5.1 Procedures

The applicable procedures are in accordance with the standards of chapter 5 of ICAO Annex 12.

5.2 Communications

Frequencies AVBL for SAR transmissions are as follows:

AIR-GROUND and vice versa in VHF radiotelephony:

- ATC service frequencies in use;
- EMERG FREQ **121.500** MHz.

Survival radio equipment which may be carried on board ACFT:

RTF and radio beacon:

- **121.500** MHz;
- **243** MHz;
- **406** MHz.

Automatic 406 MHz ELT's are highly recommended for all operations in Swiss airspace even if not mandated for certain types of aircraft.

SAR-VHF communications:
Working-FREQ **123.100** MHz.

For ground comunications, the TEL lines, the direct transmission circuits of the ATC service and the TX network will be used.

5.3 Alerting

Observations and notifications concerning ACFT in states of EMERG are to be reported to:

- RCC Zurich (designated SAR point of contact for the receipt of Cospas-Sarsat distress data), or
- ATC Geneva or Zurich, which in turn, will immediately inform RCC Zurich.

5.3.1 Notification to aircraft operators

Pursuant to SERA.14095 (EU Regulation 923/2012), ATS units will notify the aircraft operator about the start and end of the distress communications and make available additional information as necessary using the operators' contact details contained:

- In the first instance, in the Eurocontrol's Airlines Directory for Use during Prolonged Loss of Communication (PLOC); or
- In the Item 18 of the FPL.

Eurocontrol's Airlines Directory for Use during Prolonged Loss of Communication is not a publicly available document and is maintained by Eurocontrol NM for limited use by ATS personnel. For inquiries whether their contact details are listed in the Directory, operators are encouraged to contact directly Eurocontrol NM.

Actions of ATS units aimed at assisting the aircraft in distress and the RCC take precedence over the notification to the operators.

5.4 Operations

A flight plan submitted at the point of DEP constitutes, in the case of an incident, the basis for providing the SAR service (REF: ENR-1.10). Therefore, pilots are advised to also submit a flight plan before DEP for VFR FLTs over areas of difficult access in the Alps, the Prealps and the Jura (REF: ENR-5.5).

The written notification of an intended FLT according to article 31, § 1, ORA/Rules of the Air, will serve the needs of local surveillance. It may be used to a limited extent only, for possible international SAR operations.3

When an ELT is carried, this shall be mentioned in the written FLT notification, (article 31, § 1, ORA/Rules of the air) or in ITEM 19 of the ICAO flight plan (REF: ENR-1.10).
If the pilot lands at an AD other than the one specified in the submitted flight plan, the competent services at the DEP AD and at the AD of first DEST shall be notified without delay.
The costs of SAR operations are paid by the FOCA, which could pass on the costs to the ACFT operator or the third-party who caused them.
Upon a special decision of the Federal Council or in the case of the SAR to foreign ACFT registered in a State which takes responsibility for the costs of the SAR of Swiss ACFT within its territory, the costs are borne by the Confederation.

5.5 False alerts by emergency location transmitters ELT

The increased sensitivity of ground facilities and the better coverage of SARSAT/COSPAS satellites are such that the RCC Zurich is alerted more frequently about distress signals by ELTs. **In most cases, those are false alerts**, which are blocking resources in any case.
In order to ensure the safety of airspace users which find themselves in real distress situation, FOCA demands adherence to the recommended procedures applicable to avoid false alerts:

a. listen on EMERG FREQ **121.500** MHz prior to and after each FLT (these operations shall be part of the checklist);
b. if the ACFT has suffered strong shocks, e.g. during a hard LDG, when crossing thresholds of hangar doors, during loading, transporting or unloading of gliders, etc., also verify the ELT is off on EMERG FREQ;
c. ELT live Test are prohibited. ELT Self tests may be carried out in accordance to the ELT manufacturer manual. **406 MHz ELTs tests have to be carried out by an APV MAINT facility** using APV test equipment. Following procedure is only valid for ELTs **solely transmitting on 121.500 MHz.** For a very brief period during the first MIN after any HR (on the HR). To do this, set the ELT from ”ARM” to ”ON”, then to **”OFF”**, setting it to ”ARM” AGN;
d. For major MAINT works on the ACFT, the ELT shall be removed and batteries shall be disconnected or removed. Batteries shall be replaced in accordance with the ELT manufacturer manual.

Any inadvertent activation of an ELT shall be immediately notified to RCC Zurich or the appropriate ATS by indicating the location and the duration of the Emmission, so that the alert can be CNL:

RCC Zurich	Phone:	+41 (0) 58 484 10 00 or
ACC Zurich	Phone:	+41 (0) 43 931 69 60 or
ACC Geneva	Phone:	+41 (0) 22 747 13 40

5.6 Helicopter Priority Procedures with ATC

5.6.1 Declaration of priority via RTF

Except as defined in § 6.6.2 below, priority by helicopter emergency, rescue and SAR flights shall be declared on the appropriate ATS frequency. For this purpose, the following phrases shall be used:

- "REQUEST PRIORITY" or
- "REQUEST MEDIUM PRIORITY"

"REQUEST PRIORITY" indicates a high priority flight equivalent to an ambulance transport with blue lights flashing (no delay acceptable).
"REQUEST MEDIUM PRIORITY" advises about the ability to absorb some delay, which is to be agreed with the ATS.

Whenever deemed necessary by the medical personnel, a helicopter emergency, rescue and SAR flight may, at any time, change its status of priority from "medium" to "high", by making the appropriate call on the ATS frequency.

5.6.2 Declaration of priority via call/sign

When so established in an appropriate Letters of Agreement (LoA) between the helicopter emergency, rescue and SAR operators and ATS units, flight crews of emergency, rescue and SAR flights may use their call signs to differentiate between the high, medium and no priority requests.

When call signs are used for the declaration of helicopter emergency, rescue and SAR priority, they shall be established as per the following model:

- HIGH PRIORITY: telephony designator followed by the flight number and "P",which shall be pronounced as PRIORITY on initial call. Thereafter, as "PAPA",
- MEDIUM PRIORITY: telephony designator followed by the flight number,
- NO PRIORITY: telephony designator followed by the last two letters of the aircraft registration.

To establish a LoA with Skyguide contact: atm@skyguide.ch

5.6.3 Transponder Code

All emergency, rescue and SAR flights should use the transponder code 7100, unless differently in-structed by the ATC or another emergency (7700, 7600 or 7500) code is used.

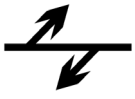
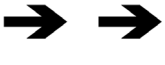
5.7 Search and rescue signals

(REF: ICAO Annex 12)

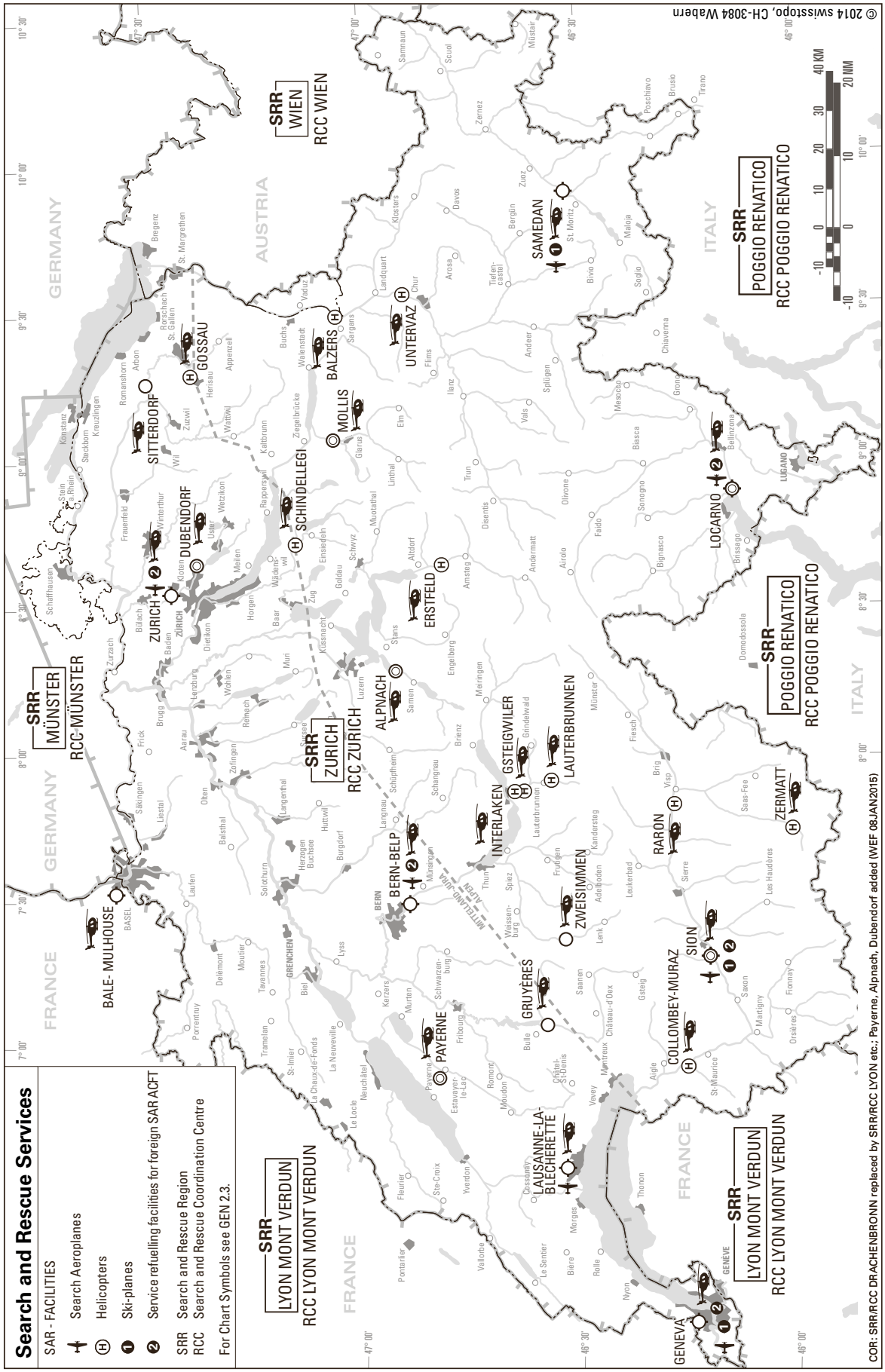
Ground-air visual signal code for use by survivors

No	Message	Code symbol
1	Require assistance	
2	Require medical assistance	
3	No or Negative	
4	Yes or affirmative	
5	Proceeding in this direction	

Ground-air visual signal code for use by rescue units

No	Message	Code symbol
1	Operation completed	
2	We have found all personnel	
3	We have found only some personnel	
4	We are not able to continue. Returning to base	
5	Have divided into two groups. Each proceeding in direction indicated	
6	Information received that aircraft is in this direction	
7	Nothing found. Will continue to search	

5.8 SEARCH AND RESCUE SERVICES



Name Lateral limits (WGS 84) Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	FREQ CH/ purpose	Remarks
1	2	3	4	5
Control Area Zurich:	Zurich ACC	Swiss Radar	**ATC/VDF**	
47 14 34 N 006 57 19 E - National border with France, Germany to 47 34 00 N 007 41 00 E - 47 53 00 N 008 51 00 E 47 47 00 N 008 52 00 E - 47 47 30 N 009 14 00 E 47 39 30 N 009 14 00 E -		En H24	128.050	South, FL 240 and below
			136.155	North, FL 240 and below
			135.680	West, FL 240 and below
National border with Germany, Austria (Liechtenstein included in area of responsibility Zurich TC), Italy to			133.905	East, FL 240 and below
46 19 51 N 008 13 24 E - 46 30 51 N 007 59 29 E - 46 30 35 N 007 48 09 E - 47 14 34 N 006 57 19 E		ALPS RADAR En, Ge H24	119.925	ARR/DEP EDNY and LSZR
FL 245 / 2000 ft AGL		ALPS RADAR En, Ge H24	**ATC/VDF** 119.225[1)]	VFR FLT within airspace class C, except LSZH TMAs below FL 125
		Zurich Information En, Ge H24	**FIS/VDF** 124.700[1)]	VFR FLT in airspace classes E/G
		En HX	126.225	ALTN FREQ for all FREQ used in Zurich ACC below FL 245 including FIC
		En H24	121.500	EMERG for all services
		Note: VDF REC antenna PSN 47 27 01 N 008 34 37 E		

[1)] or ALTN FREQ according automated broadcast

Name Lateral limits (WGS 84) Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	FREQ CH/ purpose	Remarks
1	2	3	4	5
PERMANENT TERMINAL CONTROL AREAS (TMA)				
BERN				
Classification **D** 47 08 00 N 007 23 01 E - Arc of circle centred on 47 03 32 N 007 19 41 E, Radius 5.02 NM, clockwise 47 06 41 N 007 25 25 E - 46 58 18 N 007 35 15 E - Arc of circle centred on 46 55 09 N 007 29 32 E, Radius 5.02 NM, clockwise 46 52 00 N 007 23 50 E - 47 00 23 N 007 13 58 E - Arc of circle centred on 47 03 32 N 007 19 41 E, Radius 5.02 NM, clockwise 47 07 28 N 007 15 07 E - 47 08 00 N 007 23 01 E FL 100 / *3500 ft AMSL (1050 m)* EXC CTR	APP Bern	Bern Arrival En HX[1)]		[1)] REF ENR 1.4
TMA Sector 2 47 08 39 N 007 32 29 E - 46 58 47 N 007 44 02 E - 46 54 32 N 007 36 48 E - Arc of circle centred on 46 55 09 N 007 29 32 E, Radius 5.02 NM, anticlockwise 46 58 18 N 007 35 15 E - 47 06 41 N 007 25 25 E - Arc of circle centred on 47 03 32 N 007 19 41 E, Radius 5.02 NM, anticlockwise 47 08 00 N 007 23 01 E - 47 08 39 N 007 32 29 E FL 100 / *5500 ft AMSL (1700 m)*	APP Bern	Bern Arrival En HX[1)]		
DUBENDORF (MIL)				
Classification **D** **TMA Sector 1** 47 22 57 N 008 55 12 E - 47 18 10 N 008 52 55 E - 47 19 13 N 008 48 08 E - 47 24 01 N 008 50 25 E - 47 22 57 N 008 55 12 E FL 95 / *3500 ft AMSL (1050 m)* **TMA Sector 2** 47 20 49 N 009 04 53 E - 47 16 24 N 009 02 44 E - 47 16 11 N 009 01 52 E - 47 18 10 N 008 52 55 E - 47 22 57 N 008 55 12 E - 47 20 49 N 009 04 53 E FL 95 / *5500 ft AMSL (1700 m)*	TWR Dubendorf	Dubendorf Tower En; En and Ge for Non-Commercial VFR traffic. HX [1)]		[1)] REF: ENR 1.4

Name Lateral limits (WGS 84) Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	FREQ CH/ purpose	Remarks
1	2	3	4	5
EMMEN (MIL)				
Classification **D** **TMA Sector 1** 47 13 23 N 008 24 04 E - 47 11 16 N 008 28 04 E - 47 08 19 N 008 24 18 E - 47 09 43 N 008 24 52 E - 47 11 15 N 008 22 01 E - 47 13 23 N 008 24 04 E FL 80 / *2400 ft AMSL (730 m)* **TMA Sector 2** 47 02 03 N 008 11 36 E - 47 00 41 N 008 14 14 E - 47 00 48 N 008 15 35 E - 46 57 14 N 008 12 18 E - 46 59 27 N 008 08 05 E - 47 02 03 N 008 11 36 E FL 130 / *3800 ft AMSL (1150 m)* **TMA Sector 3** 47 15 31 N 008 26 10 E - 47 13 11 N 008 30 32 E - 47 11 16 N 008 28 04 E - 47 13 23 N 008 24 04 E - 47 15 31 N 008 26 10 E FL 80 / *3500 ft AMSL (1050 m)* **TMA Sector 4** 46 59 27 N 008 08 05 E - 46 57 14 N 008 12 18 E - 46 54 15 N 008 09 33 E - 46 56 52 N 008 04 35 E - 46 59 27 N 008 08 05 E FL 130 */ 6700 ft AMSL (2050 m)* **TMA Sector 5** 47 19 10 N 008 29 41 E - 47 16 28 N 008 34 45 E - 47 13 11 N 008 30 32 E - 47 15 31 N 008 26 10 E - 47 19 10 N 008 29 41 E FL 80 / *4500 ft AMSL (1350 m)* **TMA Sector 6** 46 56 52 N 008 04 35 E - 46 54 15 N 008 09 33 E - 46 50 21 N 008 05 59 E - 46 53 30 N 008 00 01 E - 46 56 52 N 008 04 35 E FL 130 */ 10'000 ft AMSL (3050 m)*	TWR Emmen	Emmen Tower En; En and Ge for Non-Commercial VFR traffic. HX [1)]		[1)] REF ENR 1.4

Name Lateral limits (WGS 84) Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	FREQ CH/ purpose	Remarks
1	2	3	4	5
GENEVA				
TMA Sector 1 46 31 42 N 006 23 16 E - 46 22 03 N 006 33 04 E - 45 58 23 N 005 50 28 E - 45 59 58 N 005 48 14 E - 46 05 08 N 005 47 03 E - 46 07 02 N 005 49 04 E - 46 23 38 N 006 06 39 E - 46 31 42 N 006 23 16 E FL 195 / 1000 ft AGL (300 m) or *3500 ft AMSL (1050 m)* whichever is higher Classification **C**		REF LSGG AD-2.18		
TMA Sector 2 46 34 55 N 006 29 57 E - 46 27 18 N 006 37 35 E - Follow border to next point 46 26 45 N 006 43 33 E - 46 26 14 N 006 41 53 E - 46 24 54 N 006 39 59 E - 46 18 17 N 006 30 34 E - 46 02 56 N 006 09 33 E - 45 55 41 N 005 54 39 E - Arc of circle centred on 46 03 03 N 005 47 12 E, Radius 9.017 NM, clockwise 46 10 24 N 005 39 42 E - 46 10 59 N 005 40 52 E - 46 07 02 N 005 49 04 E - 46 05 08 N 005 47 03 E - 45 59 58 N 005 48 14 E - 45 58 23 N 005 50 28 E - 46 22 03 N 006 33 04 E - 46 31 42 N 006 23 16 E - 46 34 55 N 006 29 57 E *5500 ft AMSL (1700 m)* / 1000 ft AGL (300 m) or *3500 ft AMSL (1050 m)* whichever is higher Classification **E** FL 195 / *5500 ft AMSL (1700 m)* Classification **C**		REF LSGG AD-2.18		
TMA Sector 3 46 34 55 N 006 29 57 E - 46 31 42 N 006 23 16 E - 46 23 38 N 006 06 39 E - 46 07 02 N 005 49 04 E - 46 10 59 N 005 40 52 E - 46 14 32 N 005 48 04 E - 46 22 29 N 006 02 03 E - 46 24 40 N 006 05 17 E - 46 34 23 N 006 19 35 E - 46 34 55 N 006 29 57 E *6500 ft AMSL (2000 m)* / 1000 ft AGL (300 m) or *3500 ft AMSL (1050 m)* whichever is higher Classification **E** FL 195 / *6500 ft AMSL (2000 m)* Classification **C**		REF LSGG AD-2.18		
TMA Sector 4 46 46 04 N 006 26 24 E - 46 44 00 N 006 33 26 E - 46 34 23 N 006 19 35 E - 46 24 40 N 006 05 17 E - 46 22 29 N 006 02 04 E - 46 14 32 N 005 48 04 E - 46 18 44 N 005 44 36 E - 46 28 38 N 005 36 22 E - 46 30 00 N 005 35 10 E - 46 30 00 N 005 53 26 E - 46 34 34 N 006 06 39 E - 46 38 23 N 006 12 37 E - 46 41 00 N 006 16 30 E - 46 46 04 N 006 26 24 E FL 195 / FL 75 Classification **C**		REF LSGG AD-2.18		

Name Lateral limits (WGS 84) Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	FREQ CH/ purpose	Remarks
1	2	3	4	5
MEIRINGEN (MIL)				
Classification **D** **TMA Sector 1** 46 44 45 N 008 12 59 E - 46 43 14 N 008 23 30 E - 46 39 28 N 008 21 51 E - 46 42 01 N 008 12 28 E - Arc of circle centred on 46 43 31 N 008 11 09 E, Radius 1.76 NM, anticlockwise 46 44 45 N 008 12 59 E FL 130 / *5300 ft AMSL (1600 m)* **TMA Sector 2** 46 45 23 N 007 57 30 E - 46 44 08 N 007 55 13 E - 46 41 50 N 007 56 01 E - 46 41 29 N 007 54 13 E - 46 45 08 N 007 53 13 E - 46 45 23 N 007 57 30 E FL 130 / *7400 ft AMSL (2250 m)* **TMA Sector 3** 46 45 08 N 007 53 13 E - 46 41 29 N 007 54 13 E - 46 40 01 N 007 46 56 E - 46 44 41 N 007 45 39 E - 46 45 08 N 007 53 13 E FL 130 / *8600 ft AMSL (2600 m)*	TWR Meiringen	Meiringen Tower En; En and Ge for Non-Commercial VFR traffic. HX[1)]		[1)] REF ENR 1.4 Non radio equipped airspace users check airspace status on: Phone: +41 (0) 800 496 347 (0800-HX-MEIR)

Name Lateral limits (WGS 84) Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	FREQ CH/ purpose	Remarks
1	2	3	4	5
PAYERNE (MIL)				
Classification **D** **TMA Sector 1** 46 57 25 N 007 02 16 E - 46 54 45 N 007 05 41 E - 46 53 32 N 007 03 16 E - 46 55 53 N 007 00 09 E - 46 57 25 N 007 02 16 E FL 100 / *2300 ft AMSL (700 m)* **TMA Sector 2** 46 47 09 N 006 47 11 E - 46 45 29 N 006 49 25 E - 46 42 49 N 006 46 25 E - 46 45 25 N 006 43 00 E - 46 47 09 N 006 47 11 E FL 100 / *2800 ft AMSL (850 m)* **TMA Sector 3** 46 59 25 N 007 05 02 E - 46 56 23 N 007 08 57 E - 46 54 45 N 007 05 41 E - 46 57 25 N 007 02 16 E - 46 59 25 N 007 05 02 E FL 100 / *3100 ft AMSL (950 m)* **TMA Sector 5** 47 00 13 N 007 06 08 E - 46 57 01 N 007 10 13 E - 46 56 23 N 007 08 57 E - 46 59 25 N 007 05 02 E - 47 00 13 N 007 06 08 E FL 100 / *4000 ft AMSL (1200 m)* **TMA Sector 6** 46 45 25 N 006 43 00 E - 46 42 49 N 006 46 25 E - 46 40 51 N 006 44 12 E - 46 42 57 N 006 37 01 E - 46 45 25 N 006 43 00 E FL 100 / *4500 ft AMSL (1350 m)* **TMA Sector 7** 46 52 33 N 007 04 35 E - 46 53 32 N 007 03 16 E - 46 57 01 N 007 10 13 E - 47 00 13 N 007 06 08 E - 47 04 52 N 007 12 37 E Arc of circle centred on 47 03 32 N 007 19 41 E, Radius 5.02 NM, anticlockwise 47 00 23 N 007 13 58 E - 46 58 24 N 007 16 19 E - 46 52 33 N 007 04 35 E FL 100 / *4000 ft AMSL (1200 m)* Classification **E**	TWR Payerne	Payerne Tower En; En and Ge for Non-Commercial VFR traffic. HX [1]		[1] REF ENR 1.4
ST. GALLEN - ALTENRHEIN				
Classification **D** **TMA LSZR** 47 28 40 N 009 23 09 E - 47 29 09 N 009 19 14 E - 47 32 06 N 009 19 56 E - 47 31 38 N 009 24 12 E - 47 31 13 N 009 23 36 E - 47 28 40 N 009 23 09 E *5500 ft AMSL (1700 m) / 3500 ft AMSL (1050 m)*	TWR St.Gallen	St.Gallen Tower En; En and Ge for Non-Commercial VFR traffic. HX [1]		[1] REF ENR 1.4

Name Lateral limits (WGS 84) Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	FREQ CH/ purpose	Remarks
1	2	3	4	5
PERMANENT CONTROL ZONES (CTR)				
ALPNACH (MIL)				
Upper Limit Classification **D** FL 130 47 00 37 N 008 18 33 E - 46 55 47 N 008 20 27 E - 46 53 01 N 008 16 23 E - 46 53 24 N 008 14 30 E - 46 55 24 N 008 13 25 E - 46 58 15 N 008 15 07 E - 47 00 25 N 008 18 16 E - 47 00 37 N 008 18 33 E	TWR Alpnach	Alpnach Tower En; En and Ge for Non-Commercial VFR traffic. HX [1]		[1] REF ENR 1.4
BÂLE (CIV) (REF: AIP FRANCE)				
Upper Limit Classification **D** 1000 ft AGL 300 m **CTR French - Swiss part** 47 41 52 N 007 30 43 E - German-French border - 47 35 24 N 007 35 21 E - German-Swiss border - 47 35 31 N 007 40 06 E - 47 35 15 N 007 40 19 E - German-Swiss border - 47 35 04 N 007 40 27 E - 47 34 08 N 007 41 10 E - Arc 6.5 NM radius, centred on 47 35 24 N 007 31 45 E (ARP LFSB) clockwise - 47 33 59 N 007 41 07 E - German-Swiss border - 47 32 09 N 007 40 04 E - Arc 6.5 NM radius, centred on 47 35 24 N 007 31 45 E (ARP LFSB) clockwise - 47 41 52 N 007 30 43 E	TWR Bâle	Bâle Tower En, Fr H24		Services and procedures relating to the airport of Bâle-Mulhouse are contained in the **AIP-France** **REF: AIP France** **CTR German parts** **REF: AIP Germany**
BERN (CIV)				
Upper Limit Classification **D** *5000 ft AMSL* *1500 m* 47 04 26 N 007 28 03 E - 46 58 18 N 007 35 15 E - Arc of circle centred on 46 55 09 N 007 29 32 E Radius 5.02 NM, clockwise 46 52 00 N 007 23 50 E - 46 58 10 N 007 16 35 E - 47 04 26 N 007 28 03 E	TWR Bern	Bern Tower En; En and Ge for Non-Commercial VFR traffic. HX[1]		[1] REF ENR 1.4
BUOCHS (MIL/CIV)				
Upper Limit Classification **D** FL 130 47 03 00 N 008 28 20 E - 46 58 56 N 008 30 22 E - 46 57 46 N 008 30 42 E - 46 55 47 N 008 20 27 E - 47 00 37 N 008 18 33 E - 47 01 50 N 008 20 18 E - 47 02 35 N 008 25 30 E - 47 03 00 N 008 28 20 E	TWR Buochs	Buochs Tower En; En and Ge for Non-Commercial VFR traffic. HX[1]		[1] REF ENR 1.4
DUBENDORF (MIL)				
Upper Limit Classification **D** FL 95 47 26 23 N 008 51 33 E - 47 24 01 N 008 50 25 E - 47 19 13 N 008 48 08 E - 47 16 23 N 008 46 48 E - 47 17 14 N 008 36 21 E - 47 22 01 N 008 32 35 E - 47 23 49 N 008 32 27 E - 47 28 27 N 008 41 58 E - 47 26 23 N 008 51 33 E	TWR Dubendorf	Dubendorf Tower En; En and Ge for Non-Commercial VFR traffic. HX[1]		[1] REF ENR 1.4

Name Lateral limits (WGS 84) Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	FREQ CH/ purpose	Remarks
1	2	3	4	5
EMMEN (MIL) CTR 1				
Upper Limit Classification **D** FL 130 47 11 31 N 008 21 30 E - 47 09 43 N 008 24 52 E - 47 08 40 N 008 24 27 E - 47 08 19 N 008 24 18 E - 47 01 30 N 008 16 38 E - 47 00 50 N 008 15 52 E - 47 00 41 N 008 14 14 E - 47 02 17 N 008 11 09 E - 47 06 49 N 008 10 38 E - 47 11 02 N 008 15 44 E - 47 11 31 N 008 21 30 E	TWR Emmen	Emmen Tower En; En and Ge for Non-Commercial VFR traffic. HX[1)]		[1)] REF ENR 1.4
EMMEN (MIL) CTR 2				
Upper Limit Classification **D** *4500 ft* *AMSL* *1350 m* 47 01 30 N 008 16 38 E - 47 08 19 N 008 24 18 E - 47 08 40 N 008 24 27 E - 47 06 05 N 008 29 28 E - 47 02 35 N 008 25 30 E - 47 01 50 N 008 20 18 E - 47 00 37 N 008 18 33 E - 47 00 25 N 008 18 16 E - 47 01 30 N 008 16 38 E	TWR Emmen	Emmen Tower En; En and Ge for Non-Commercial VFR traffic. HX[1)]		[1)] REF ENR 1.4
LES EPLATURES (CIV)				
Upper Limit Classification **D** *6500 ft* *AMSL* *2000 m* 47 00 51 N 006 38 53 E - along Swiss BDRY - 47 03 27 N 006 42 31 E - 47 03 47 N 006 42 43 E - 47 07 31 N 006 49 40 E - 47 10 44 N 006 56 02 E - 47 08 08 N 006 58 27 E - 47 06 00 N 006 52 15 E - 47 01 47 N 006 47 30 E - 46 58 51 N 006 43 11 E - 47 00 51 N 006 38 53 E	TWR Les Eplatures	Les Eplatures Tower En, Fr HX[1)]		[1)] REF ENR 1.4
FRIEDRICHSHAFEN (CIV) (REF: AIP GERMANY)				
Upper Limit Classification **D** *4500 ft* *AMSL* *1350 m* In German Airspace: 47 47 44 N 009 41 23 E - 47 42 38 N 009 45 46 E - 47 35 08 N 009 27 04 E - FIR BDRY - 47 38 40 N 009 18 06 E - 47 47 44 N 009 41 23 E				
In Swiss Airspace: 47 38 40 N 009 18 06 E - FIR BDRY - 47 35 08 N 009 27 04 E - 47 34 00 N 009 24 14 E - 47 37 43 N 009 15 41 E - 47 38 40 N 009 18 06 E	TWR Friedrichshafen	REF: AIP Germany		

Name Lateral limits (WGS 84) Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	FREQ CH/ purpose	Remarks
1	2	3	4	5
GENEVA (CIV)				
Upper Limit Classification **D** *4000 ft* *AMSL* *1200 m* 46 11 49 N 005 56 41 E - 46 22 04 N 006 11 53 E Arc of circle centred on 46 19 53 N 006 14 55 E, Radius 3.02 NM, clockwise 46 17 43 N 006 17 57 E - 46 07 30 N 006 02 45 E Arc of circle centred on 46 09 40 N 005 59 43 E, Radius 3.02 NM, clockwise 46 11 49 N 005 56 41 E	TWR Geneva	Geneva Tower En, Fr H24		
GRENCHEN (CIV)				
Upper Limit Classification **D** *4500 ft* *AMSL* *1350 m* 47 13 05 N 007 32 31 E - Arc of circle centred 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 centred 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	TWR Grenchen	Grenchen Tower En; En and Ge for Non-Commercial VFR traffic. HX[1)]		[1)] REF ENR 1.4
MEIRINGEN (MIL)				
Upper Limit Classification **D** FL 130 46 45 13 N 008 11 50 E Arc of circle centred on 46 43 31 N 008 11 09 E, Radius 1.76 NM, clockwise 46 41 50 N 008 10 28 E - 46 43 10 N 008 02 15 E - 46 40 24 N 007 56 31 E - 46 44 08 N 007 55 13 E - 46 47 16 N 008 00 53 E - 46 47 16 N 008 02 28 E - 46 45 13 N 008 11 50 E	TWR Meiringen	Meiringen Tower En; En and Ge for Non-Commercial VFR traffic. HX[1)]		[1)] REF ENR 1.4 Non radio equipped airspace users check airspace status on: Phone: +41 (0) 800 496 347 (0800-HX-MEIR)
LOCARNO (CIV/MIL)				
Upper Limit Classification **D** FL 130 46 10 44 N 008 50 11 E - 46 10 51 N 008 56 07 E Arc of circle centred on 46 09 53 N 008 56 09 E, Radius 0.97 NM, clockwise 46 08 55 N 008 56 12 E - 46 08 47 N 008 50 16 E Arc of circle centred on 46 09 46 N 008 50 13 E, Radius 0.97 NM, clockwise 46 10 44 N 008 50 11 E	TWR Locarno	Locarno Tower En, It HX[1)]		[1)] REF ENR 1.4

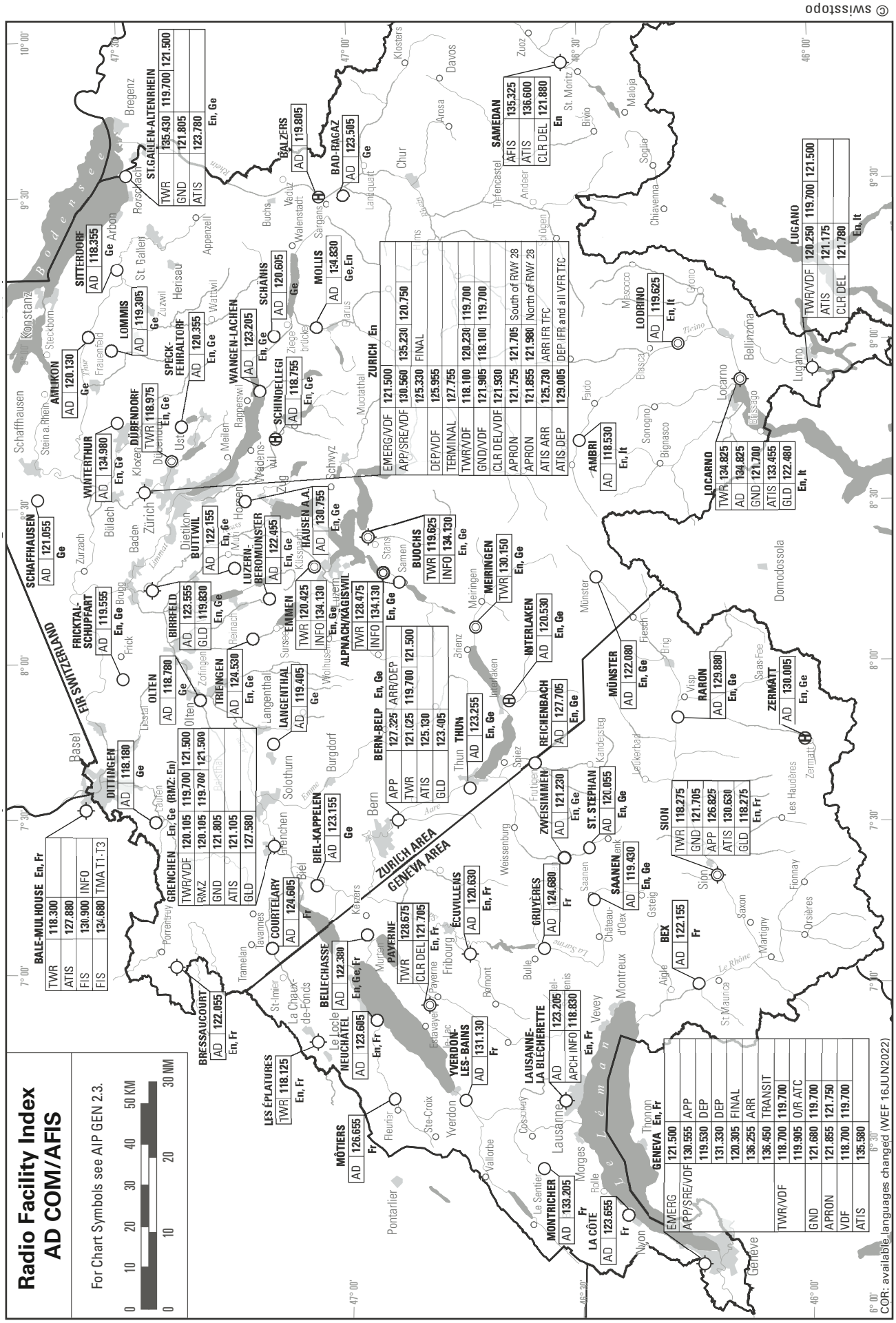
Name Lateral limits (WGS 84) Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	FREQ CH/ purpose	Remarks
1	2	3	4	5
LUGANO (CIV)				
Upper Limit Classification **D** *6500 ft* *AMSL* *2000 m* 45 55 51 N 008 46 22 E - 46 03 43 N 008 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	TWR Lugano	Lugano Tower En, It HX[1)]		[1)] REF ENR 1.4
PAYERNE (MIL)				
Upper Limit Classification **D** FL 100 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	TWR Payerne	Payerne Tower En; En and Fr for Non-Commercial VFR traffic. HX[1)]		[1)] REF ENR 1.4
ST. GALLEN-ALTENRHEIN (CIV)				
Upper Limit Classification **D** *5500 ft* *AMSL* *1700 m* 47 33 08 N 009 31 28 E - Swiss/German border - 47 32 31 N 009 33 16 E - German/Austrian border - 47 31 31 N 009 37 50 E Arc of circle centred on 47 29 40 N 009 37 08 E, Radius 1.90 NM, clockwise 47 27 46 N 009 37 13 - 47 28 40 N 009 23 09 E - 47 31 13 N 009 23 36 - 47 33 29 N 009 26 51 E - 47 33 08 N 009 31 28 E	TWR St. Gallen	St. Gallen Tower En; En and Ge for Non-Commercial VFR traffic. HX[1)]		[1)] REF ENR 1.4
SION (CIV/MIL)				
Upper Limit Classification **D** FL 130 46 13 27 N 007 13 04 E - 46 15 06 N 007 20 51 E - 46 16 41 N 007 26 05 E - 46 14 00 N 007 28 02 E - 46 12 04 N 007 23 51 E - 46 10 20 N 007 14 21 E Arc of circle centred on 46 11 54 N 007 13 45 E, Radius 1.62 NM, clockwise 46 13 27 N 007 13 04 E	TWR Sion	Sion Tower En; En and Fr for Non-Commercial VFR traffic. HX[1)]		[1)] REF ENR 1.4

Name Lateral limits (WGS 84) Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	FREQ CH/ purpose	Remarks
1	2	3	4	5
ZURICH (CIV) CTR 1				
Upper Limit Classification **D** *4500 ft* *AMSL* *1350 m* 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 centred on 47 27 36 N 008 33 02 E, Radius 8.97 NM, clockwise 47 24 38 N 008 45 30 E	TWR Zurich [1)]	Zurich Tower En H24		[1)] CTR **prohibited** for balloon and GLD ACT EXC, REF ENR 5.5
ZURICH (CIV) CTR 2				
Upper Limit Classification **D** *5500 ft* *AMSL* *1700 m* 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	TWR Zurich TWR Dubendorf	Zurich Tower En Dübendorf Tower En; En and Ge for Non-Commercial VFR traffic. HX[1)]		[1)] REF ENR 1.4 Activation announced on Zurich DEP ATIS: 129.005 MHz or Phone +41 (0) 43 816 22 95 **Constant listening watch mandatory on 118.975 MHz**

Name Lateral limits (WGS 84) Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	FREQ CH/ purpose	Remarks
1	2	3	4	5
TEMPORARY MILITARY TERMINAL CONTROL AREAS (TMA)				
ALPNACH				
Classification **D** **TMA Sector 1** not assigned **TMA Sector 2** 46 55 00 N 008 13 38 E - 46 53 24 N 008 14 30 E - 46 53 05 N 008 16 01 E - 46 48 34 N 008 11 51 E - 46 50 33 N 008 07 58 E - 46 55 00 N 008 13 38 E FL 130 / *2300 ft AMSL* (700 m) **TMA Sector 3** not assigned **TMA Sector 4** 46 50 33 N 008 07 58 E - 46 48 34 N 008 11 51 E - 46 45 46 N 008 09 17 E - 46 47 02 N 008 03 30 E - 46 50 33 N 008 07 58 E FL 130 / *5900 ft AMSL (1800 m)*	TWR Alpnach	Alpnach Tower En; En and Ge for Non-Commercial VFR traffic. ACT by NOTAM and DABS		
SION				
Classification **D** **TMA Sector 1** 46 18 33 N 007 30 53 E - 46 17 46 N 007 28 37 E - 46 16 41 N 007 26 05 E - 46 14 00 N 007 28 02 E - 46 14 44 N 007 30 17 E - 46 15 25 N 007 33 09 E - 46 18 33 N 007 30 53 E FL 130 */ 3000 ft AMSL (915 m)* **TMA Sector 2** 46 21 36 N 007 39 58 E - 46 18 33 N 007 30 53 E - 46 15 25 N 007 33 09 E - 46 17 36 N 007 42 16 E - 46 21 36 N 007 39 58 E FL 130 / *6000 ft AMSL (1800 m)* **TMA Sector 3** 46 23 44 N 007 46 13 E - 46 21 36 N 007 39 58 E - 46 17 36 N 007 42 16 E - 46 19 15 N 007 49 11 E - 46 23 44 N 007 46 13 E FL 130 */ 10'000 ft AMSL (3050 m)*	TWR Sion	Sion Tower En; En and Fr for Non-Commercial VFR traffic. ACT by NOTAM and DABS		

RESTRICTED AREAS			
ID NR and name Lateral limits COORD WGS84	**Upper limit / Lower limit**	**Type of Activity**	**Restrictions Remarks**
1	**2**	**3**	**4**
LSR3Z 46 59 35 N / 009 36 01 E - 46 58 01 N / 009 33 39 E - 46 57 18 N / 009 30 51 E - 46 57 16 N / 009 13 11 E - 46 57 12 N / 009 05 50 E - 46 57 12 N / 009 04 55 E - 46 57 12 N / 009 02 33 E - 46 57 58 N / 008 59 38 E - 46 59 24 N / 008 57 24 E - 47 01 17 N / 008 56 01 E - 47 03 32 N / 008 55 42 E - 47 06 50 N / 008 55 14 E - 47 13 17 N / 008 54 21 E - 47 16 27 N / 008 58 27 E - 47 21 12 N / 009 04 35 E - 47 24 27 N / 009 16 43 E - 47 24 18 N / 009 36 26 E - 47 23 45 N / 009 38 32 E - 47 22 58 N / 009 40 25 E - ALONG SWISS BORDER - 47 16 14 N / 009 31 51 E - ALONG AUSTRIAN BORDER - 47 03 39 N / 009 36 25 E - ALONG SWISS BORDER - 47 03 09 N / 009 37 24 E - 47 01 40 N / 009 37 24 E - 46 59 35 N / 009 36 01 E	FL 135 / FL 95		For IFR flight planning purposes only
LS-R4 **LAC DE NEUCHÂTEL** 46 57 41 N / 006 54 37 E - 46 55 02 N / 006 57 25 E - 46 49 57 N / 006 49 21 E - 46 50 36 N / 006 43 19 E - 46 57 41 N / 006 54 37 E	*8900 ft AMSL* *(2700 m)* / GND	ACFT FRNG	
LS-R4A **LAC DE NEUCHÂTEL** 47 01 17 N / 006 50 48 E - 46 57 41 N / 006 54 37 E - 46 50 36 N / 006 43 19 E - 46 51 29 N / 006 35 10 E - 47 01 17 N / 006 50 48 E	*8900 ft AMSL* *(2700 m)* / *5000 ft AMSL* *(1500 m)*	ACFT FRNG	
LS-R5 **BIERE** 46 34 47 N / 006 21 21 E - 46 34 09 N / 006 22 35 E - 46 32 11 N / 006 20 25 E - 46 31 33 N / 006 22 02 E - 46 30 08 N / 006 21 26 E - 46 31 59 N / 006 16 47 E - 46 34 47 N / 006 21 21 E	by NOTAM (MAX *6500 ft AMSL)* / GND	MIL UAS and / or FRNG ACT	**Entry not permitted for VFR and IFR FLT** Status of the area (ACT/not ACT) may be requested via GENEVA INFORMATION 126.350 MHz or: Phone: +41 (0) 44 813 31 10

RESTRICTED AREAS			
ID NR and name Lateral limits COORD WGS84	**Upper limit / Lower limit**	**Type of Activity**	**Restrictions Remarks**
1	**2**	**3**	**4**
LS-R6 **AXALP** 46 49 25 N / 008 01 42 E - 46 47 13 N / 008 09 32 E - 46 44 45 N / 008 12 59 E - Arc of circle clockwise radius 3.4 km (1.8 NM) on 46 43 31 N / 008 11 09 E - 46 42 16 N / 008 12 57 E - 46 38 19 N / 008 06 56 E - 46 38 14 N / 007 57 16 E - 46 47 14 N / 007 54 08 E - 46 49 25 N / 008 01 42 E	FL 130 / *6000 ft AMSL* *(1850 m)*		**Entry not permitted for VFR FLT** Exemption: HEMS flights with special procedures Status of the area (ACT/not ACT) may be requested via 135.475 MHz - Caution: Limited radio coverage or Phone: +41 (0) 44 813 31 10
LS-R7 **HONGRIN** 46 25 35 N / 007 06 19 E - 46 25 05 N / 007 06 19 E - 46 23 19 N / 007 03 36 E - 46 22 19 N / 007 00 07 E - 46 21 54 N / 006 57 54 E - 46 22 51 N / 006 57 05 E - 46 25 26 N / 007 00 16 E - 46 25 49 N / 007 03 03 E - 46 25 35 N / 007 06 19 E	by NOTAM (MAX *15500 ft AMSL)* / GND	MIL UAS and / or FRNG ACT	**Entry not permitted for VFR and IFR FLT** Status of area (ACT/not ACT) may be requested via GENEVA INFORMATION 126.350 MHz or: Phone: +41 (0) 44 813 31 10
LS-R8 **DAMMASTOCK** 46 43 38 N / 008 32 57 E - 46 37 50 N / 008 33 18 E - 46 33 59 N / 008 21 21 E - 46 41 29 N / 008 18 38 E - 46 43 38 N / 008 32 57 E	*28'000ft AMSL* *(8550 m) /* GND	Air-Air FRNG	**Entry not permitted for VFR FLT** Exemption: HEMS flights with special procedures Status of the area (ACT/not ACT) may be requested via 128.375 MHz - Caution: Limited radio coverage or Phone: +41 (0) 44 813 31 10
LS-R8A **DAMMASTOCK** 46 37 50 N / 008 33 18 E - 46 32 59 N / 008 33 36 E - 46 30 53 N / 008 28 05 E - 46 33 59 N / 008 21 21 E - 46 37 50 N / 008 33 18 E	*28'000 ft AMSL* *(8550 m)* / *9200 ft AMSL* *(2800 m)*	Air-Air FRNG / MIL ACFT ACT	
LS-R9 **HINTERRHEIN** 46 31 34 N / 009 07 11 E - 46 31 18 N / 009 10 38 E - 46 30 28 N / 009 10 49 E - 46 29 40 N / 009 10 06 E - 46 28 22 N / 009 10 52 E - 46 27 45 N / 009 10 05 E - 46 27 54 N / 009 08 10 E - 46 28 44 N / 009 06 40 E - 46 28 28 N / 009 05 09 E - 46 28 50 N / 009 04 15 E - 46 31 34 N / 009 07 11 E	by NOTAM (MAX *40000 ft AMSL)* / GND	MIL UAS and / or FRNG ACT	**Entry not permitted for VFR and IFR FLT** Status of area (ACT/not ACT) may be requested via ZURICH INFORMATION 124.700 MHz or: Phone: +41 (0) 44 813 31 10


Radio Facility Index
AD COM/AFIS
For Chart Symbols see AIP GEN 2.3.
0 10 20 30 40 50 KM
0 10 20 30 NM
© swisstopo
skyguide, CH-8602 Wangen bei Dübendorf
COR: available languages changed (WEF 16JUN2022)
FIR SWITZERLAND
ZURICH AREA
GENEVA AREA
BALE-MULHOUSE En, Fr
TWR 118.300
ATIS 127.880
FIS 130.900 INFO
FIS 134.680 TMA T1-T3
GRENCHEN En, Ge (RMZ: En)
TWR/VDF 120.105 119.700 121.500
RMZ 120.105 119.700 121.500
GND 121.805
ATIS 121.105
GLD 127.580
GENEVA En, Fr
EMERG 121.500
APP/SRE/VDF 130.555 APP
119.530 DEP
131.330 DEP
120.305 FINAL
136.255 ARR
136.450 TRANSIT
TWR/VDF 118.700 119.700
119.905 O/R ATC
GND 121.680 119.700
APRON 121.855 121.750
VDF 118.700 119.700
ATIS 135.580
ZURICH En
EMERG/VDF 121.500
APP/SRE/VDF 130.560 135.230 120.750
125.330 FINAL
DEP/VDF 125.955
TERMINAL 127.755
TWR/VDF 118.100 120.230 119.700
GND/VDF 121.905 118.100 119.700
CLR DEL/VDF 121.930
APRON 121.755 121.705 South of RWY 28
APRON 121.855 121.980 North of RWY 28
ATIS ARR 125.730 ARR IFR TFC
ATIS DEP 129.005 DEP IFR and all VFR TFC
LUGANO
TWR/VDF 120.250 119.700 121.500
ATIS 121.175
CLR DEL 121.780
En, It
LOCARNO
TWR 134.825
AD 134.825
GND 121.700
ATIS 133.455
GLD 122.480
En, It
SAMEDAN
AFIS 135.325
ATIS 136.600
CLR DEL 121.880
En
ST.GALLEN-ALTENRHEIN
TWR 135.430 119.700 121.500
GND 121.805
ATIS 123.780
En, Ge
BERN-BELP En, Ge
APP 127.225 ARR/DEP
TWR 121.025 119.700 121.500
ATIS 125.130
GLD 123.405
ALPNACH/KÄGISWIL
TWR 128.475
INFO 134.130
BUOCHS
TWR 119.625
INFO 134.130
En, Ge
SION
TWR 118.275
GND 121.705
APP 126.825
ATIS 130.630
GLD 118.275
En, Fr
LOMMIS AD 119.305 Ge
SITTERDORF AD 118.355 Ge
AMLIKON AD 120.130 Ge
SPECK-FEHRALTORF AD 120.355 En, Ge
WANGEN-LACHEN AD 123.205 En, Ge
SCHÄNIS AD 120.605 Ge
SCHINDELLEGI AD 118.755 En, Ge
MOLLIS AD 134.830 Ge, En
BÄLZERS AD 119.805
BAD-RAGAZ AD 123.505 Ge
WINTERTHUR AD 134.980 En, Ge
DÜBENDORF TWR 118.975 En, Ge
SCHAFFHAUSEN AD 121.055 Ge
FRICKTAL-SCHUPFART AD 119.555 En, Ge
DITTINGEN AD 118.180 Ge
OLTEN AD 118.780 Ge
BIRRFELD AD 123.555 GLD 119.830 En, Ge
BÜTTWIL AD 122.155 En, Ge
LUZERN-BEROMÜNSTER AD 122.455 En, Ge
EMMEN TWR 120.425 INFO 134.130 En, Ge
HÄUSEN A.A. AD 130.755 En, Ge
TRIENGEN AD 124.530 En, Ge
LANGENTHAL AD 119.405 Ge
COURTELARY AD 124.605 Fr
BIEL-KAPPELEN AD 123.155 Ge
BELLECHASSE AD 122.380 En, Ge, Fr
PAYERNE TWR 128.675 CLR DEL 121.705 En, Fr
ÉCUVILLENS AD 120.630 En, Fr
YVERDON-LES-BAINS AD 131.130 Fr
BRESSAUCOURT AD 122.055 En, Fr
LES ÉPLATURES TWR 118.125 En, Fr
NEUCHÂTEL AD 123.605 En, Fr
MÔTIERS AD 126.655 Fr
LAUSANNE-LA BLECHERETTE AD 123.205 APCH INFO 118.830 En, Fr
MONTRICHER AD 133.205 Fr
LA CÔTE AD 123.655 Fr
GRUYÈRES AD 124.680 Fr
SAANEN AD 119.430 En, Ge
ST. STEPHAN AD 120.055 En, Ge
ZWEISIMMEN AD 121.230 En, Ge
REICHENBACH AD 127.705 En, Ge
THUN AD 123.255 En, Ge
MEIRINGEN TWR 130.150 En, Ge
INTERLAKEN AD 120.530 En, Ge
MÜNSTER AD 122.080 En, Ge
RARON AD 129.880 En, Ge
ZERMATT AD 130.005 En, Ge
BEX AD 122.155 Fr
AMBRI AD 118.530 En, It
LODRINO AD 119.625 En, It

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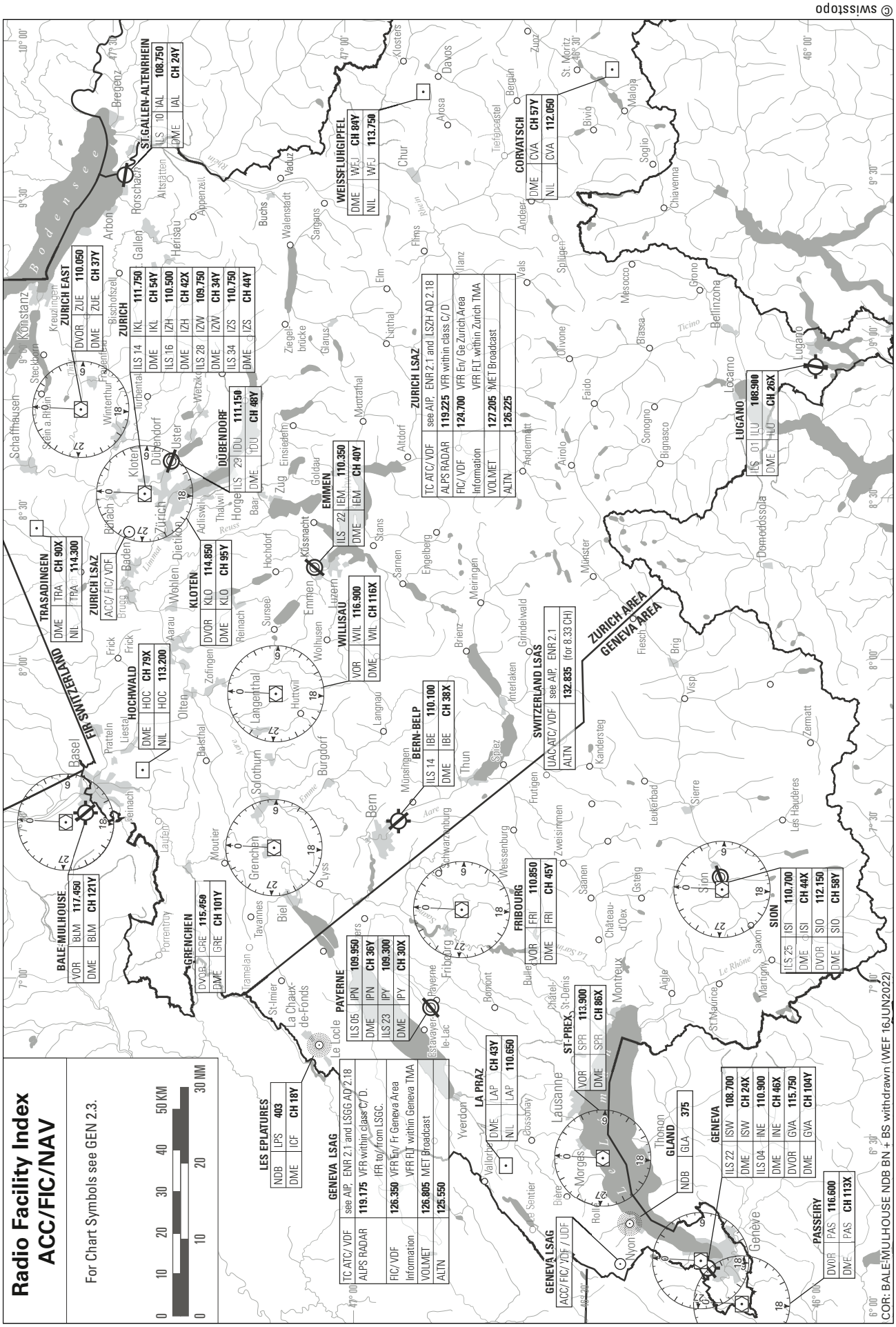
Radio Facility Index
ACC/FIC/NAV
For Chart Symbols see GEN 2.3.
0 10 20 30 40 50 KM
0 10 20 30 NM
FIR SWITZERLAND
ZURICH AREA
GENEVA AREA
BALE-MULHOUSE
VOR BLM 117.450
DME BLM CH 121Y
TRASADINGEN
DME TRA CH 90X
NIL TRA 114.300
ZURICH LSAZ
ACC/ FIC/ VDF
HOCHWALD
DME HOC CH 79X
NIL HOC 113.200
KLOTEN
DVOR KLO 114.850
DME KLO CH 95Y
DÜBENDORF
ILS 29 IDU 111.150
DME IDU CH 48Y
ZURICH EAST
DVOR ZUE 110.050
DME ZUE CH 37Y
ZURICH
ILS 14 IKL 111.750
DME IKL CH 54Y
ILS 16 IZH 110.500
DME IZH CH 42X
ILS 28 IZW 109.750
DME IZW CH 34Y
ILS 34 IZS 110.750
DME IZS CH 44Y
ST.GALLEN-ALTENRHEIN
ILS 10 IAL 108.750
DME IAL CH 24Y
WEISSFLUHGIPFEL
DME WFJ CH 84Y
NIL WFJ 113.750
CORVATSCH
DME CVA CH 57Y
NIL CVA 112.050
LUGANO
ILS 01 ILU 108.900
DME ILU CH 26X
EMMEN
ILS 22 IEM 110.350
DME IEM CH 40Y
WILLISAU
VOR WIL 116.900
DME WIL CH 116X
BERN-BELP
ILS 14 IBE 110.100
DME IBE CH 38X
SWITZERLAND LSAS
UAC ATC/ VDF see AIP, ENR 2.1
ALTN 132.835 (for 8.33 CH)
ZURICH LSAZ
TC ATC/ VDF see AIP, ENR 2.1 and LSZH AD 2.18
ALPS RADAR 119.225 VFR within class C/ D
FIC/ VDF 124.700 VFR En/ Ge Zurich Area
Information VFR FLT within Zurich TMA
VOLMET 127.205 MET Broadcast
ALTN 126.225
GRENCHEN
DVOR GRE 115.450
DME GRE CH 101Y
PAYERNE
ILS 05 IPN 109.950
DME IPN CH 36Y
ILS 23 IPY 109.300
DME IPY CH 30X
FRIBOURG
VOR FRI 110.850
DME FRI CH 45Y
ST-PREX
VOR SPR 113.900
DME SPR CH 86X
LA PRAZ
DME LAP CH 43Y
NIL LAP 110.650
SION
ILS 25 ISI 110.700
DME ISI CH 44X
DVOR SIO 112.150
DME SIO CH 58Y
LES EPLATURES
NDB LPS 403
DME ICF CH 18Y
GENEVA LSAG
TC ATC/ VDF see AIP, ENR 2.1 and LSGG AD 2.18
ALPS RADAR 119.175 VFR within class C/ D.
IFR to/ from LSGC.
FIC/ VDF 126.350 VFR En/ Fr Geneva Area
Information VFR FLT within Geneva TMA
VOLMET 126.805 MET Broadcast
ALTN 125.550
GLAND
NDB GLA 375
GENEVA
ILS 22 ISW 108.700
DME ISW CH 24X
ILS 04 INE 110.900
DME INE CH 46X
DVOR GVA 115.750
DME GVA CH 104Y
PASSEIRY
DVOR PAS 116.600
DME PAS CH 113X
GENEVA LSAG
ACC/ FIC/ VDF / UDF
COR: BALE-MULHOUSE NDB BN + BS withdrawn (WEF 16JUN2022)
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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 (13)	Tree/Trees	*1971*	46 52 56 N 007 31 40 E	Wind cone LGTD	*1726*	46 54 48 N 007 30 01 E	B0538/03
AOC 14 (14)	Tree/Trees	*1989*	46 52 55 N 007 31 41 E	Building	*1994*	46 56 39 N 007 28 25 E	B0493/10
AOC 14 (15)	Tree/Trees	*2125*	46 52 08 N 007 32 25 E	Antenna marked/LGTD	*1703*	46 55 02 N 007 29 39 E	B0232/11
AOC 14 (16)	Tree/Trees	*2151*	46 52 07 N 007 32 26 E	Antenna marked/LGTD	*1772*	46 54 45 N 007 30 07 E	B0820/05
AOC 14 (17)	Tree/Trees	*2163*	46 52 02 N 007 32 31 E	Antenna marked/LGTD	*2710*	46 52 56 N 007 31 14 E	B0468/06
AOC 14 (18)	Tree/Trees	*2357*	46 50 47 N 007 35 42 E	Antenna marked/LGTD	*2937*	46 55 09 N 007 26 13 E	B0506/06
AOC 14 (19)	Tree/Trees	*2379*	46 50 49 N 007 35 48 E	Antenna marked/LGTD	*1741*	46 54 54 N 007 29 57 E	B0454/22
AOC 14 (20)	Tree/Trees	*2402*	46 50 47 N 007 35 47 E	Anemometer marked/LGTD	*1709*	46 54 30 N 007 30 21 E	B0616/07
				Crane/Cranes marked/LGTD	*1969*	46 54 48 N 007 28 20 E	B0466/22
AOC 32 (1)	Fence	*1673*	46 55 11 N 007 29 29 E	Anemometer marked/LGTD	*1702*	46 55 00 N 007 29 43 E	B0615/07
AOC 32 (2)	Pole	*1674*	46 55 13 N 007 29 22 E				
AOC 32 (3)	Pole	*1677*	46 55 14 N 007 29 21 E	Antenna marked/LGTD	*1685*	46 54 22 N 007 30 21 E	
AOC 32 (4)	Pole	*1679*	46 55 15 N 007 29 20 E	Antenna marked/LGTD	*1706*	46 55 01 N 007 29 40 E	B0231/11
AOC 32 (5)	Pole	*1682*	46 55 16 N 007 29 19 E	Chimney LGTD	*2042*	46 57 06 N 007 24 51 E	B0542/12
AOC 32 (6)	Pole	*1683*	46 55 17 N 007 29 17 E				
AOC 32 (7)	Building	*1686*	46 55 19 N 007 29 17 E				
AOC 32 (8)	Pole	*1719*	46 55 26 N 007 29 07 E				
AOC 32 (9)	Tree/Trees	*1749*	46 55 24 N 007 29 00 E	Crane/Cranes marked/LGTD	*1928*	46 56 42 N 007 27 48 E	B1163/21
AOC 32 (10)	Tree/Trees	*1765*	46 55 31 N 007 29 12 E	Antenna marked/LGTD	*2088*	46 57 06 N 007 24 51 E	B0830/17
AOC 32 (11)	Tree/Trees	*1780*	46 55 26 N 007 28 59 E	Antenna marked/LGTD	*2913*	46 53 11 N 007 28 41 E	
AOC 32 (12)	Tree/Trees	*1784*	46 55 25 N 007 28 58 E	Antenna marked/LGTD	*3703*	46 58 40 N 007 31 43 E	
AOC 32 (13)	Tree/Trees	*1844*	46 55 40 N 007 29 02 E	Crane/Cranes marked/LGTD	*1876*	46 55 38 N 007 27 27 E	B1436/21
AOC 32 (14)	Tree/Trees	*1855*	46 55 39 N 007 28 55 E	Building LGTD	*2174*	46 57 22 N 007 28 51 E	B1374/21
AOC 32 (15)	Tree/Trees	*1858*	46 55 41 N 007 28 56 E				
AOC 32 (16)	Tree/Trees	*1881*	46 55 42 N 007 28 55 E	Crane/Cranes marked/LGTD	*1944*	46 56 01 N 007 28 26 E	B0326/22
AOC 32 (17)	Tree/Trees	*1920*	46 56 03 N 007 28 39 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 32 (18)	Tree/Trees	*1923*	46 56 03 N 007 28 35 E				
AOC 32 (19)	Tree/Trees	*1925*	46 56 04 N 007 28 37 E	Crane/Cranes marked/LGTD	*1977*	46 56 28 N 007 27 53 E	B1577/20
AOC 32 (20)	Tree/Trees	*1936*	46 56 04 N 007 28 36 E	Crane/Cranes marked/LGTD	*1911*	46 55 47 N 007 28 29 E	B1492/20
AOC 32 (21)	Building	*2084*	46 56 50 N 007 27 04 E	Crane/Cranes marked/LGTD	*1918*	46 56 00 N 007 28 23 E	B0206/22
				Crane/Cranes marked/LGTD	*1796*	46 54 44 N 007 30 10 E	B0142/22
Refer also to LSZB AOC charts LSZB AD 2.24.4 Number in brackets is equivalent to identification number on AOC							

LSZB AD 2.16 HELICOPTER LANDING AREA

1	**Coordinates TLOF landing area**	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	**TLOF and/or FATO elevation M/FT**	TLOFs on Main Apron and at Swiss Helicopter: *510 m / 1673 ft*
3	**TLOF and FATO area dimensions, surface, strength, marking**	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	**True and MAG BRG of FATO**	RWY 14: 140° GEO / 138° MAG RWY 32: 320° GEO / 318° MAG
5	**Declared distance available**	See LSZB AD 2.13 for RWY 14-32
6	**APP and FATO lighting**	See LSZB AD 2.14 for RWY 14-32
7	**Remarks**	Swiss Helicopter located S-SW of AD site. Special procedures apply for REGA and Swiss Air Force.

LSZB AD 2.17 ATS AIRSPACE

1	**Designation and lateral limits**	**Bern CTR** 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	**Vertical limits**	*5000 ft AMSL (1500 m)*
3	**Airspace classification**	D
4	**ATS unit call sign Language(s)**	En; En and Ge for Non-Commercial VFR traffic.
5	**Transition altitude**	*6000 ft*
6	**Remarks**	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	*Alternate FREQ **EMERG Language: En; En and Ge for Non-Commercial VFR traffic.
CLD	Bern Delivery	121.905 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

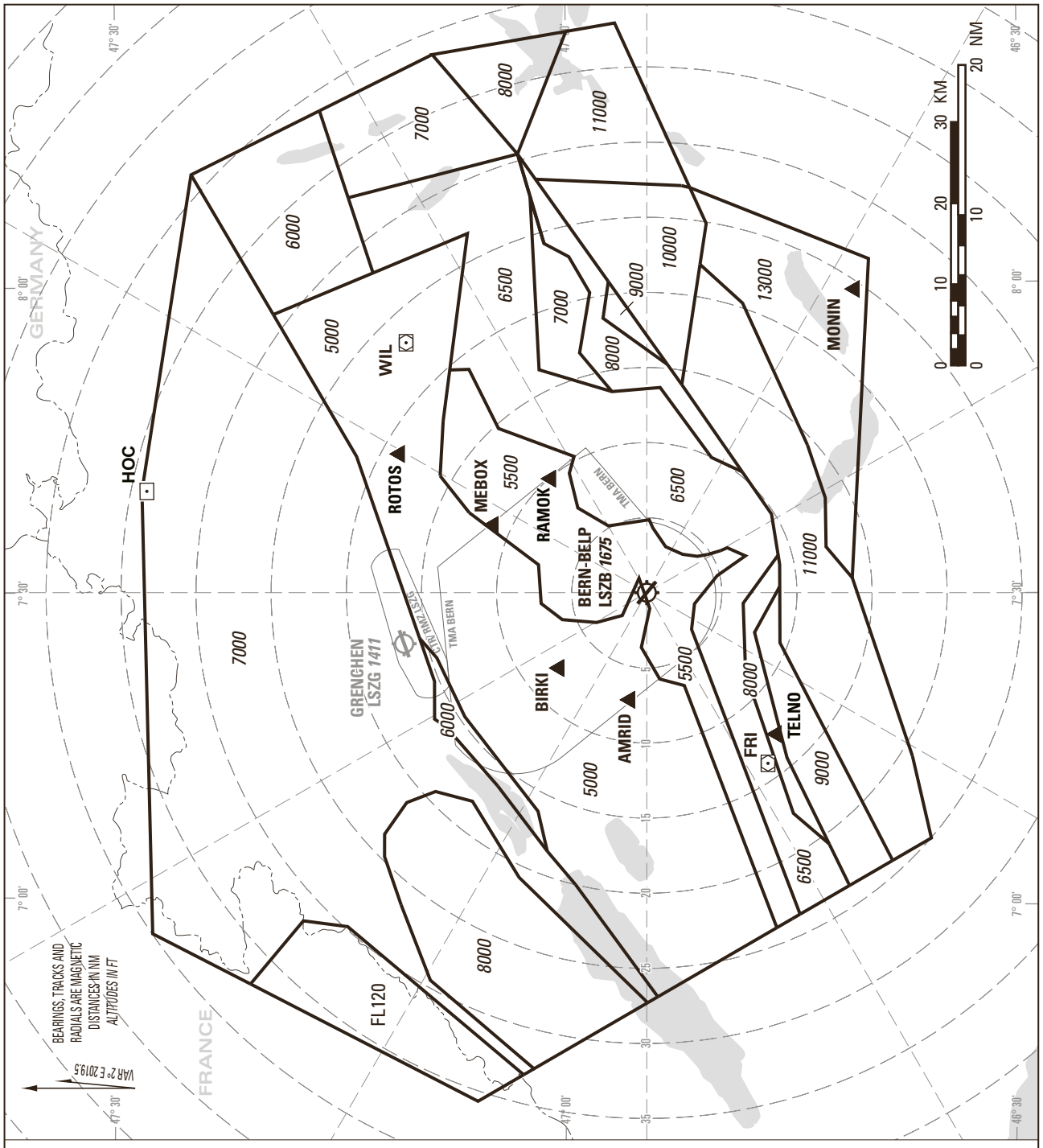
SAT 0600 – HRH (min 1700) for TKOF/LDG

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.

MINIMUM VECTORING ALTITUDE CHART (AD TEMPERATURES -20° TO -5°C)



NOTES:

The minimum vectoring altitude chart shows the lowest altitude for the approach / departure sectors of LSZB which may be assigned to an IFR flight under radar vectoring.

The chart may only be used for cross-checking of altitudes assigned while under radar vectoring.

Altitudes: LSZB QNH.

Transition ALT: *6000*

Minimum altitudes over Swiss territory are calculated according ICAO norms (PANS-ATM Doc 4444 & PANS-OPS Doc 8168).

Minimum altitudes are protected for low temperatures from minus 20 degrees to minus 5 degrees celsius (LSZB temperature).

Sectors indicated all 30°, distances indicated all 5 NM, based on ARP LSZB.

COR: completely revised (WEF 16JUN2022)

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MINIMUM VECTORING ALTITUDE CHART (AD TEMPERATURES -4°C AND ABOVE)

NOTES:

The minimum vectoring altitude chart shows the lowest altitude for the approach / departure sectors of LSZB which may be assigned to an IFR flight under radar vectoring.

The chart may only be used for cross-checking of altitudes assigned while under radar vectoring.

Altitudes: LSZB QNH.

Transition ALT: *6000*

Minimum altitudes over Swiss territory are calculated according ICAO norms (PANS-ATM Doc 4444 & PANS-OPS Doc 8168).

Minimum altitudes are protected for low temperatures to minus 4 degrees celsius (LSZB temperature).

Sectors indicated all 30°, distances indicated all 5 NM, based on ARP LSZB.

COR: completely revised (WEF 16JUN2022)

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LSZC AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ Length	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour, INTST	RWY End LGT colour WBAR	SWY LGT LEN (m) colour	Remarks
1	2	3	4	5	6	7	8	9	10
06 24	ALS LIH	RTHL G LIH WBAR	MIL PAPI: 4°	NIL	NIL	REDL 60m W LIH	RENL R WBAR	NIL	RWY and APCH LGT not ICAO Standard

LSZC 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**	NIL
4	**Secondary power supply/switch-over time**	NIL
5	**Remarks**	NIL

LSZC AD 2.16 HELICOPTER LANDING AREA

1	**Coordinates TLOF or THR of FATO**	NIL
2	**TLOF and/or FATO elevation M/FT**	NIL
3	**TLOF and FATO area dimensions, surface, strength, marking**	NIL
4	**True and MAG BRG of FATO**	NIL
5	**Declared distance available**	NIL
6	**APP and FATO lighting**	NIL
7	**Remarks**	TLOF and Stand PSN as indicated by the marshaller

LSZC AD 2.17 ATS AIRSPACE

1	**Designation and lateral limits**	**Buochs CTR O/R** 47 03 00 N 008 28 20 E - 46 58 56 N 008 30 22 E - 46 57 46 N 008 30 42 E - 46 55 47 N 008 20 27 E - 47 00 37 N 008 18 33 E - 47 01 50 N 008 20 18 E - 47 03 00 N 008 28 20 E
2	**Vertical limits**	FL 130
3	**Airspace classification**	D
4	**ATS unit call sign Language(s)**	En; En and Ge for Non-Commercial VFR traffic.
5	**Transition altitude**	*7000 ft AMSL*
6	**Remarks**	HX

LSZC AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of Operation	Remarks
1	2	3	4	5
TWR	Buochs Tower	119.625	HX	HX Language: En; En and Ge for Non-Commercial VFR traffic.
AD - Information	Buochs	134.130	H24	HX Status Information Buochs and Alpnach

LSZC 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
NIL	NIL	NIL	NIL	NIL	NIL	NIL

LSZC AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Customs:

Customs will be informed by AD Operator after receipt of FLT announcement on http://www.airportbuochs.ch.
Lead time:
Flights to Schengen area: 2 HR before ETD, 3 HR before ETA
Flights to third countries (Non-Schengen): 24 HR before ETD and ETA
- no commercial goods
- no tax-free fuel

2. Local flying restrictions:

2.1 The Airport is CLSD on the following days:

Good FRI, Federal Prayday (3rd SUN in SEP), Christmas Day (25 DEC)

2.2 Local HOL:

Joseph's Day (19 MAR), Corpus Christi, Assumption Day, All Saints' Day (01 NOV), Immaculate Conception (08 DEC)

2.3 Other than normal OPS:

AD circuits, aerobatics, PJE and HEL OPS are restricted in accordance with the AD operating regulations. Appropriate information will be given by the AD authority.

2.4 TKOF outside TWR OPR HR:

Outside TWR OPR HR, TKOF and LDG must be performed from the beginning of RWY.
INT TKOF are prohibited.

2.5 Flight operations outside TWR OPR HR:

- ARR and DEP ACFT have to apply on radio the procedure for blind transmissions.
- FREQ: 119.625 MHz

For all FLTs outside TWR OPR HR, the AP manager must be mobilised for non home-based pilots.

If ATC has to be provided outside TWR OPR HR, a charge for each operation will be levied.

No IFR APCH outside TWR OPS.

REF http://www.airportbuochs.ch (Fees: Tariffs and Charges).

LSGC AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of Operation	Remarks
1	2	3	4	5
TWR	Les Eplatures Tower	118.125 MHz	HX	NIL

LSGC 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
NDB	LPS	403 kHz	H24	47 05 00.4N 006 47 35.7E		EM: N0N / A2A Service range 15 NM
DME 24	ICF	18Y	H24	47 05 08.7N 006 47 43.7E	*3371 ft*	Zero range at DME Station. Restricted coverage (published procedures covered): at 17 NM - 25° S to 11° N from CL above 6700 ft AMSL.

LSGC AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Airport regulations

No RDO ACFT, strictly PPR by phone to AD administration.

2. ACFT taxi and parking

Taxi on paved RWY and TWY only. Parking sectors Blue and Purple available for small aircraft, parking sectors Green and Orange for ICAO code letter A and B aircraft. Coloured lines (green, blue, purple and orange) delimit all parking areas. Panels indicate the positions and names of parking lines and sectors.

3. Summer times

High-density altitudes up to 6000 ft possible. Publication on METAR when temperatures are above 25°C.

4. Winter times

Operations only performed on non-contaminated RWY. Request information by TEL prior to flight in the period from OCT to APR. Runway condition broadcasted on METAR during ATS OPR HR.

5. School and training flights - technical test flights - use of runways

IFR and VFR school flights PPR.
No circuits permitted between 1100 and 1230 (1000 and 1130), after 1800 (1700), SUN and HOL.

LSGC AD 2.21 NOISE ABATEMENT PROCEDURES

1. General provisions

No go-around over city permitted for IFR school and training FLT (APCH RWY 24).

2. Use of the runway system during the day period

TKOF RWY 24 preferred for single engine ACFT.

LSGG 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**	"Follow-me" cars (Ref to § 8.3.4) **ACFT stand 80s:** ACFT stand manoeuvring guidance lights AVBL. **Parking PSNs NR** **1, 2, 3, 4, 5, 8, 9, 10, 11, 15, 151, 152, 16, 17, 18, 181, 182, 19, 191, 192, 83, 84, 85, 86:** Alignment of ACFT: Align ACFT with the VER chevrons which indicate if the ACFT is left, right or centred on the taxilane. Stopping of ACFT: Slow down and stop as indicated by the closing rate indicator.
2	**RWY/TWY markings and LGT**	TWY: centre line, holding positions (REF: LSGG AD 2.24) North Apron: no TWY center lights
3	**Stop bars**	LIH, R A,B,C,D,E, F (uncontrolled, LVP only), G,Y,Z
4	**Remarks**	**Stop at parking PSNs:** The pilot has to stop by lining up his left shoulder with the STOP line transmitted by "Geneva Apron". If the Aircraft Positioning and Information System (APIS) is switched off, the stand is not cleared for entry. Request assistance from "Geneva Apron". Nose-in parking ACFT have to use push back when LVE the parking PSN. RWY 04/22 marking aids: Refer to Aerodrome chart 1:13'000 REF: LSGG AD 2.24.1 - 1

LSGG 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 04 (1)	Tree/Trees	*1383*	46 15 13 N 006 07 47 E	Crane/Cranes marked/LGTD	*1734*	46 16 30 N 006 05 40 E	A0653/18
AOC 04 (2)	Tree/Trees	*1388*	46 15 13 N 006 07 46 E	Crane/Cranes marked/LGTD	*1463*	46 15 36 N 006 08 37 E	A0248/08
AOC 04 (3)	Tree/Trees	*1402*	46 15 13 N 006 08 00 E	Antenna LGTD	*1572*	46 13 35 N 006 07 11 E	A0049/02
AOC 04 (4)	Tree/Trees	*1415*	46 15 12 N 006 08 03 E	Pole LGTD	*1424*	46 14 16 N 006 06 48 E	A0273/07
AOC 04 (5)	Tree/Trees	*1423*	46 15 21 N 006 07 54 E	Antenna marked/LGTD	*1539*	46 13 32 N 006 06 01 E	
AOC 04 (6)	Tree/Trees	*1427*	46 15 22 N 006 07 56 E	Antenna marked/LGTD	*1535*	46 13 07 N 006 08 31 E	
AOC 04 (7)	Tree/Trees	*1430*	46 15 21 N 006 07 59 E	Crane/cranes	*1536*	46 13 13 N 006 08 15 E	
AOC 04 (8)	Tree/Trees	*1445*	46 15 29 N 006 08 12 E	Tower/Mast LGTD	*1522*	46 13 48 N 006 06 29 E	
AOC 04 (9)	Tree/Trees	*1496*	46 15 35 N 006 08 11 E	Antenna marked/LGTD	*1398*	46 14 54 N 006 07 41 E	
				Antenna marked/LGTD	*1529*	46 13 30 N 006 05 58 E	
				Building marked/LGTD	*1535*	46 12 49 N 006 07 20 E	
				Antenna marked/LGTD	*1522*	46 14 02 N 006 07 11 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 22 (1)	Localizer	*1429*	46 13 29 N 006 05 22 E	Building LGTD	*1523*	46 14 11 N 006 06 58 E	A0051/02
AOC 22 (2)	Building	*1430*	46 13 24 N 006 05 22 E	Antenna LGTD	*1565*	46 13 49 N 006 07 08 E	
AOC 22 (3)	Tree/Trees	*1484*	46 13 28 N 006 05 12 E	Building marked/LGTD	*1539*	46 14 03 N 006 05 04 E	
AOC 22 (4)	Tree/Trees	*1533*	46 12 56 N 006 04 43 E	Tree/trees	*1493*	46 15 36 N 006 08 22 E	
AOC 22 (5)	Tree/Trees	*1547*	46 12 48 N 006 04 33 E	Antenna marked/LGTD	*1453*	46 13 33 N 006 05 14 E	A0438/13
				Antenna marked/LGTD	*1575*	46 13 19 N 006 07 19 E	
				Antenna marked/LGTD	*1428*	46 14 27 N 006 06 24 E	A0437/13
				Pole LGTD	*1398*	46 14 43 N 006 07 27 E	A0108/02
				Pole LGTD	*1507*	46 13 26 N 006 05 49 E	A0054/09
				Antenna LGTD	*1490*	46 14 15 N 006 06 59 E	A0124/12
				Crane/Cranes marked/LGTD	*1586*	46 12 58 N 006 07 14 E	B0431/08
				Crane/Cranes marked/LGTD	*1497*	46 13 49 N 006 06 26 E	A0210/08
				Pole marked	*1369*	46 15 02 N 006 07 36 E	A0364/09
				Antenna marked/LGTD	*1470*	46 13 50 N 006 05 44 E	A0251/02
				Antenna marked/LGTD	*1391*	46 15 00 N 006 07 48 E	A0436/13
				Antenna LGTD	*1523*	46 14 00 N 006 07 09 E	A0329/02
				Anemometer marked/LGTD	*1396*	46 14 54 N 006 07 20 E	A0355/09
				Anemometer marked/LGTD	*1396*	46 14 55 N 006 07 20 E	A0353/09
				Antenna marked/LGTD	*1383*	46 15 07 N 006 07 35 E	A0435/13
				Antenna LGTD	*1744*	46 14 04 N 006 02 27 E	A0103/12
				Antenna marked/LGTD	*1402*	46 14 55 N 006 07 18 E	A0434/13
				Antenna	*1594*	46 13 52 N 006 07 19 E	A0154/12
				Pole marked/LGTD	*1436*	46 14 07 N 006 06 36 E	A0320/12
				Pole marked/LGTD	*1437*	46 14 05 N 006 06 33 E	A0319/12
				Pole marked/LGTD	*1441*	46 14 11 N 006 06 44 E	A0411/12

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 LSZG AD 2.24.2 - 1
2	**RWY/TWY markings and LGT**	RWY, TWY and holding PSN markings. RGL: TWY A and D TWY edge lights: TWY A and D
3	**Stop bars**	NIL
4	**Remarks**	NIL

LSZG 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 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				
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, LSZG AD 2.24.4 - 1 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**	Trend; issuance: HH+20, HH+50
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 [1]	955 [1]	955 [1]	865	Line-up TWY A
24	980 [2]	980 [2]	980 [2]	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**	EDGE: LIL B RGL: A, 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
2	**TLOF and/or FATO elevation M/FT**	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 and MAG BRG of FATO**	RWY 06: 066° GEO / 064° MAG RWY 24: 246° GEO / 244° MAG
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)

LSZG AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of Operation	Remarks
1	2	3	4	5
TWR VDF	Grenchen Tower	120.105 MHz	HX	QDM AVBL O/R
		119.700 MHz	HX	ALTN FREQ
				Language: En; En and Ge for Non-Commercial VFR traffic.
		121.500 MHz	HX	EMERG
RMZ	Grenchen Aerodrome	120.105 MHz	HX	Language: En
		119.700 MHz	HX	ALTN FREQ
		121.500 MHz	HX	EMERG
ATIS		121.105 MHz	H24	Phone: +41 (0) 32 396 96 33
GND	Grenchen Ground	121.805 MHz	HX	CTR active only Language: En; En and Ge for Non-Commercial VFR traffic.

LSMP AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	**AD category for fire fighting**	Category 7, MON - FRI 0630-1700 (0530-1600) Higher category or RFFS (Rescue and Fire Fighting Service) outside MIL AD OPR HR: O/R 24 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	**Apron surface and strength**	ASPH: PCN 34/R/C/X/T
2	**Taxiway width, surface and strength**	ASPH PCN > 40 F/C/X/T Details: Ref to LSMP AD 2.24.1 - 1
3	**ACL location and elevation**	NIL
4	**VOR/INS checkpoints**	NIL
5	**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: THR, RWY edge and MIL RWY end, TWY edge (exits only and TWY SC)
3	**Stop bars**	NIL
4	**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			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 (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				

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 23 (20)	Power line	*1579*	46 49 37 N 006 53 08 E				
AOC 23 (21)	Tree/Trees	*1604*	46 49 15 N 006 53 01 E				
AOC 23 (22)	Tree/Trees	*1636*	46 49 14 N 006 53 00 E				
AOC 23 (23)	Church	*1686*	46 48 58 N 006 52 07 E				
AOC 23 (24)	Tree/Trees	*1706*	46 48 56 N 006 51 54 E				
AOC 23 (25)	Tree/Trees	*1737*	46 48 38 N 006 52 15 E				
AOC 23 (26)	Tree/Trees	*1760*	46 48 35 N 006 52 12 E				
AOC 23 (27)	Tree/Trees	*1804*	46 48 45 N 006 51 54 E				
AOC 23 (28)	Tree/Trees	1863	46 48 40 N 006 51 56 E				
AOC 23 (29)	Tree/Trees	*1882*	46 48 42 N 006 51 52 E				
AOC 23 (30)	Tree/Trees	*1927*	46 48 39 N 006 51 52 E				
AOC 23 (31)	Tree/Trees	*1955*	46 48 37 N 006 51 50 E				
AOC 23 (32)	Tree/Trees	*1971*	46 48 37 N 006 51 43 E				
AOC 23 (33)	Tree/Trees	*2003*	46 48 33 N 006 51 39 E				
AOC 23 (34)	Tree/Trees	*2020*	46 48 21 N 006 51 47 E				
AOC 23 (35)	Antenna	*2078*	46 48 02 N 006 51 15 E				
AOC 23 (36)	Church	*2097*	46 48 04 N 006 50 55 E				
AOC 23 (37)	Tree/Trees	*2120*	46 47 44 N 006 50 59 E				
AOC 23 (38)	Tree/Trees	*2131*	46 47 41 N 006 51 00 E				
AOC 23 (39)	Tree/Trees	*2153*	46 47 39 N 006 50 59 E				
AOC 23 (40)	Tree/Trees	*2186*	46 47 37 N 006 50 56 E				
AOC 23 (41)	Tree/Trees	*2227*	46 47 34 N 006 50 54 E				
AOC 23 (42)	Tree/Trees	*2267*	46 47 27 N 006 50 43 E				
AOC 23 (43)	Tree/Trees	*2401*	46 46 59 N 006 50 42 E				
AOC 23 (44)	Tree/Trees	*2473*	46 46 56 N 006 50 44 E				
AOC 23 (45)	Tree/Trees	*2493*	46 46 53 N 006 50 43 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 23 (46)	Tree/Trees	*2515*	46 46 52 N 006 50 42 E				
AOC 23 (47)	Tree/Trees	*2550*	46 46 50 N 006 50 41 E				
AOC 23 (48)	Tree/Trees	*2582*	46 46 42 N 006 50 41 E				
AOC 23 (49)	Tree/Trees	*2588*	46 46 40 N 006 50 40 E				
AOC 23 (50)	Tower/Pole	*2634*	46 46 34 N 006 50 34 E				

LSMP 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**	Issuance: HH+20, HH+50
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**	Internet connection in the briefing room (C office)
9	**ATS units provided with information**	Payerne TWR
10	**Additional information (limitation of service, etc.)**	Phone: Weather briefing: 0900 162 767 (Fr), 0900 162 737 (Ge); accessible within Switzerland

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	Non-instrument runway 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 exits 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
2	**TLOF and/or FATO elevation M/FT**	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 and MAG BRG of FATO**	049° / 229° - 047° / 227°
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**	**Payerne CTR** 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

LSMP AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of Operation	Remarks
1	2	3	4	5
APP	Payerne Approach	136.350	HX	Language: En
TWR	Payerne Tower	128.675	HX	Language: En; En and Fr for Non-Commercial VFR traffic
CLR DEL	Payerne Delivery	121.705	HX	

LSMP 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 05-LOC CAT I	IPN	109.95 MHz	H24	46 51 16.8N 006 56 01.6E	*1451 ft*	LOC PSN: 640 m FM THR 23. RWY 05: LOC course 046° MAG. Front course sector width 3.74°. Restricted coverage: at 17 NM -/+ 15° from CL above *3700 ft AMSL* linearly raising to at 17 NM -/+ 35° from CL above *5500 ft AMSL* at 25 NM -/+ 10° from CL above *5500 ft AMSL*.
GP 05	--	333.65 MHz	H24	46 50 10.4N 006 54 17.4E	*1464 ft*	GP angle 4.7°. PSN: 207 m FM THR 05. GP HGT THR 05: 53 ft / 16.1 m.
DME 05	IPN	36Y	H24	46 51 18.1N 006 55 59.9E	*1452 ft*	DME co-located with LOC, reads D1.7 at THR 05 Restricted coverage: at 17 NM -/+ 35° from CL above *5500 ft AMSL* at 25 NM -/+ 10° from CL above *6500 ft AMSL*.
ILS 23-LOC CAT I	IPY	109.30 MHz	H24	46 50 00.1N 006 53 55.2E	*1471 ft*	LOC PSN: 355 m FM THR 05. RWY 23: LOC course 227° MAG. Front course sector width 4.1°. Restricted coverage: at 10 NM -/+ 35° from CL above *3400 ft AMSL* at 18 NM -/+ 10° from CL above *3400 ft AMSL*.
GP 23	--	332.00 MHz	H24	46 50 55.8N 006 55 32.3E	*1454 ft*	GP angle 3.7°. PSN: 257 m FM THR 23. GP HGT THR 23: 54 ft / 16.5 m.
DME 23	IPY	30X	H24	46 49 59.1N 006 53 56.4E	*1469 ft*	DME co-located with LOC, reads D1.6 at THR 23 Restricted coverage: at 10 NM -/+ 35° from CL above *3400 ft AMSL* at 18 NM -/+ 10° from CL above *3400 ft AMSL*.

LSMP AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Local flying and operational restrictions

1. PPR is mandatory for all CIV traffic.
   Procedures are published on the internet site of the civil operator www.swissaeropole.com.
2. Any flight to / from Payerne requires the filing of an ICAO flight plan. The PPR authorisation number must be shown in box 18 "other information".
3. SUN: AD CLSD
4. Special authorisation required:
   MON - FRI 1900 - 2100 (1800 - 2000)
   SAT 1600 - 2100 (1500 - 2000)
   HOL 0900 - 1100 (0800 - 1000), 1230 - 1900 (1130 - 1800)
   Following days are considered as holidays:
   - New Year‘s Day
   - 02 JAN
   - Good Friday
   - Easter Monday
   - Ascension
   - Whit Monday
   - 01 AUG
   - Monday after Federal Day of Prayer
   - Christmas Day
5. Following operations are prohibited unless duly justified:
   - Training flights
   - Aerodrome circuits (except unplanned go-around)
   - Non-commercial tourist and pure leisure flights.
6. AD closures for construction work and summer closures, are published by NOTAM.
7. GAT IFR Departure contact Payerne Delivery on 121.705 Mhz for IFR clearance and start-up.

2. Mixed CIV-MIL enviroment

1. The aerodrome is a military installation with civil co-use. Infrastructure, equipment and procedures may differ from the ICAO regulation.
2. Except in emergencies, operational priority will be given to military flights and flights considered as essential by the Confederation.

3. MIL equipment and restricted area

1. The runway is equipped with 2 retractable MIL arresting cables, located between the thresholds. The distance between the cables is 1450 m. If those are not retracted, CIV aircraft are prohibited from rolling over them.
2. During MIL AD OPS HR, the military net barrier located at the end of the runway in use will be in the raised position. The net barrier can hold an aircraft with MTOM < = 25 t. It will be lowered for movements of aircraft with MTOM > 25 t. Aircraft with MTOM > 25 t: crew must inform ATC at first contact. It is prohibited to roll over the net barriers when lowered, except in case of EMERG.
3. CTN: During military activities, a runway car is parked 50 m away from the runway centre line.
4. Restricted Area LS-R4 / R4A:
   Activation according publication.
   LS-R4 / R4A, ACFT Target Range on Lake of Neuchâtel.
   (GND to *8900 ft* AMSL / 2700 m/M, in NW area of lake, *5000 ft* AMSL / 1500 m/M to *8900 ft* AMSL / 2700 m/M).

4. Other characteristics and requirements

1. ACFT landings and take-offs (EXC HEL) are forbidden without closure of public road barriers.
2. RWY turn pads:
   RWY 05: the max. available width for 180° turn is located abeam TWY S (55 m). See AD 2.13 for DECL DIST.
   RWY 23: the max. available width for 180° turn is located abeam TWY A (55 m). See AD 2.13 for DECL DIST.
   Both areas are marked with guidance lines.
3. High visibility safety jacket, which complies with the EN 471 standard class 2 or 3, must be worn on the movement area.

LSMP AD 2.21 NOISE ABATEMENT PROCEDURES

1. The CIV AD operator reserves the right to refuse access to certain categories of aircraft without giving a reason.
2. For departures and arrivals from and to Payerne AD, the use of the specified departure and arrival routes/sectors are mandatory unless otherwise instructed by ATC.
3. The following jet aircraft are only accepted at Payerne with the agreement of the Air Base Commander:
   Jet Commander 1121 (JCOM), Aero Commander (AC68 / AC90), Falcon Series-20 CF-700 (FA20), Gates Lear Jet Series CJ610 (LJ25), Gulfstream II/III (GLF2 / GLF3), Hansa Jet HFB-320 (HF20), HS-125 Series-400/600 non Turbofan (H25A), Jetstar L-1329 Mk1/Mk2 (L29B), Morane MS-760 (MS76), Piaggo PD-808 Vespa Jet (P808), Sabreliner NA-265 Series-40/60A (SBR1), Westwind I, IAI 1123 (WW23), YAK 40/42 (YK40 / YK42).
4. Rolling take-offs must be performed whenever possible.
5. After take-off, and subject to compliance with safety instructions, aircraft must use their best rate of climb.
   Jet aircraft must use the climb procedure which best reduces noise impact at ground level.
6. The approach must be planned such that cruise configuration is kept for as long as possible while complying with the applicable safety rules. As far as flight safety allows, approaches must be conducted using the "low-drag / low power" principle.
7. Deceleration after landing should use the available and published runway length.
   The use of thrust reverser is not permitted, except when essential.
8. The use of APUs is not permitted more than 60 minutes prior departure (off-block time).
   APUs must be shut down no later than 20 minutes after arrival (on-block time).
9. Local restrictions apply during funerals. Follow ATC instructions.

LSMP AD 2.22 FLIGHT PROCEDURES

1. Minima for IFR departures (TKOF minima)

RWY	ACFT CAT	Vis (m) / Ceiling (ft AGL)			RMK
		No LGT AVBL	REDL or RCLL AVBL	REDL and RCLL AVBL	
05	A, B, C, D	1500 / ---	800 / ---	---	NIL
23	A, B, C, D	1500 / ---	800 / ---	---	NIL

1.1 IFR Procedures

1.1.1 SID Descriptions

1.1.1.1 SID RWY 05 - RNAV (see chart LSMP AD 2.24.7 - 1)

DESIGNATOR	RWY05 - RNAV			
	ROUTE			
	Lateral	Vertical	Contact	Remark
FRIBOURG 2Q (FRI 2Q) PDG 4.2% to *3300ft* MNM climb gradient 7% to *4500ft* to remain inside controlled airspace	Climb straight ahead. At *2500ft* turn right to FRI.	INITIAL CLIMB CLEARANCE FL080 Cross FRI at *7500ft* or above	NIL	Ref: Chart AD 2.24.7-1

RNAV SID FRI 2Q						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
CA	-	-	+2500	-	047°(049.0°T)	-
DF	FRI	N	+7500	-	-	-

1.1.1.2 SID RWY 23 - RNAV (see chart LSMP AD 2.24.7 - 3)

DESIGNATOR	RWY23 - RNAV			
	ROUTE			
	Lateral	Vertical	Contact	Remark
FRIBOURG 2R (FRI 2R) PDG 6.4% to *3200ft*	Climb straight ahead. At *2800ft* turn left (MNM bank angle 25°, MAX IAS 185kt during turn). Proceed via MP701 to FRI	INITIAL CLIMB CLEARANCE FL080 Cross MP701 at *4800ft* or above, FRI at *7500ft* or above	NIL	Ref: Chart AD 2.24.7-3

RNAV SID FRI 2R						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
CA	-	-	+2800	185	227°(229.0°T)	-
DF	MP701	Y	+4800	185	-	-
TF	FRI	N	+7500	-	083°(084.8°T)	13.3

1.1.2 STAR Description

1.1.2.1 STAR TO VALAD - RNAV (see chart LSMP AD 2.24.9 - 1)

DESIGNATOR	RWY 23 - RNAV		
	ROUTE		
	Lateral	Vertical	Remark
FRIBOURG 1 B (FRI 1B)	From FRI proceed to VALAD	Refer to chart	NIL

RNAV STAR FRI 1B						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
-	FRI	N	+6000	-	-	-
TF	VALAD	N	+5000	-	330° (331.8°T)	11.7

1.2 Approach procedures:

1.2.1 Procedure description of RNP Z RWY 23 (see chart LSMP AD 2.24.10 - 9)

From MP401						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	MP401	N	-	-	-	-
TF	VALAD	N	+5000	-	227° (228.7°T)	2.5
TF	RW23	Y	-	-	227° (228.7°T)	8.9
TF	MP402	Y	-	185	227° (228.5°T)	4.7
CF	FRI	Y	+6000	185	093° (095.0°T)	15.8
CF	VALAD	Y	-	-	330° (332.0°T)	11.7

LSMP AD 2.23 ADDITIONAL INFORMATION

1. List of significant points (Terminal)

NAV point	COORD WGS84		Purpose
	N LAT	E LONG	
1	2		3
MP401	N 46 58 35.8	E 007 08 08.4	IAC LSMP
MP402	N 46 47 56.9	E 006 50 32.4	IAC LSMP
MP701	N 46 45 28.4	E 006 54 08.3	SID LSMP

LSMP AD 2.24 CHARTS RELATED TO AN AERODROME

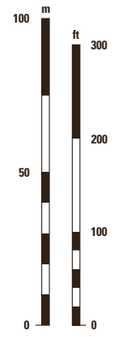
VAR 2° E (2017.5)

AMDT RECORD		
No.	DATE	ENTERED BY

RWY: 05

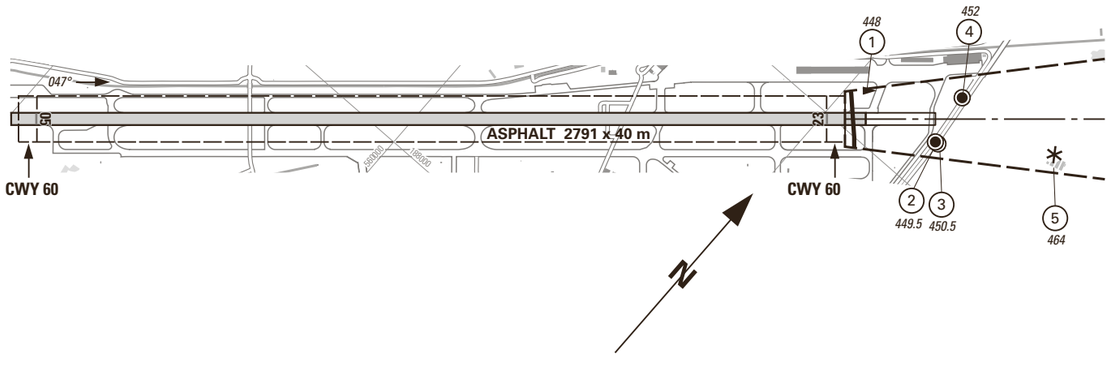
RWY 05	DECLARED DISTANCES in m	RWY 23
2665	TAKE-OFF RUN AVAILABLE	—
2725	TAKE-OFF DISTANCE AVAILABLE	—
2665	ACCELERATE STOP DISTANCE AVAILABLE	—
—	LANDING DISTANCE AVAILABLE	**2665**

RMK: These DECL DIST are the MAX lengths with MIL net barrier lowered O/R. See LSMP AD 2.13 for all DECL DIST.



VERTICAL SCALE
1:2000

HORIZONTAL SCALE 1:20 000



LEGEND

1	Identification number
*	Tree, shrub
◉	Pole, tower, spire, antenna, etc.
►	Embankment
⌒	Terrain penetrating obstruction plane

OBST *ELEV in m*
AD *ELEV in m*

ORDER OF ACCURACY ACCORDING TO ICAO REQUIREMENTS

COR: completely revised (WEF 16JUN2022)

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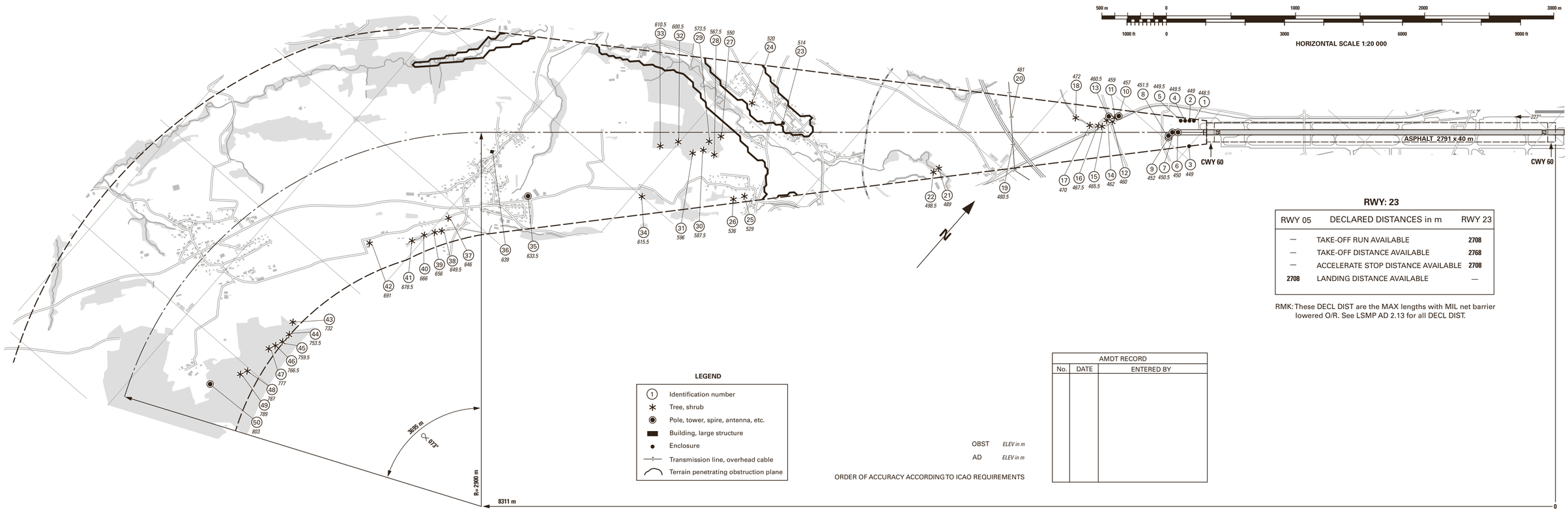
VAR 2° E (2017.5)

Profile view see LSMP AD 2.24.4-4



RWY: 23

RWY 05	DECLARED DISTANCES in m	RWY 23
—	TAKE-OFF RUN AVAILABLE	**2708**
—	TAKE-OFF DISTANCE AVAILABLE	**2768**
—	ACCELERATE STOP DISTANCE AVAILABLE	**2708**
2708	LANDING DISTANCE AVAILABLE	—

RMK: These DECL DIST are the MAX lengths with MIL net barrier lowered O/R. See LSMP AD 2.13 for all DECL DIST.

LEGEND

- (1) Identification number
- Tree, shrub
- Pole, tower, spire, antenna, etc.
- Building, large structure
- Enclosure
- Transmission line, overhead cable
- Terrain penetrating obstruction plane

OBST *ELEV in m*
AD *ELEV in m*

ORDER OF ACCURACY ACCORDING TO ICAO REQUIREMENTS

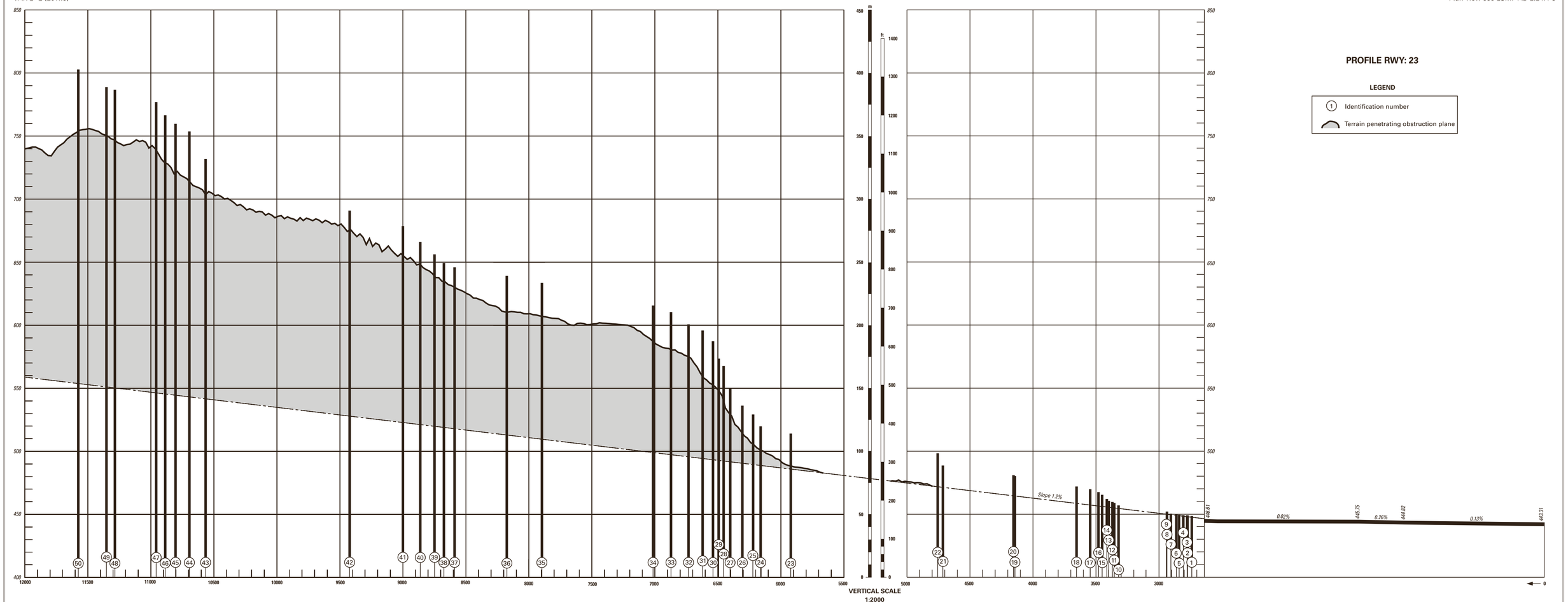
AMDT RECORD		
No.	DATE	ENTERED BY

COR: new chart (WEF 16JUN2022)

3rd Edition

VAR 2° E (2017.5)

Plan view see LSMP AD 2.24.4-3



COR: new chart (WEF 16JUN2022)

3rd Edition

LSZR 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	*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	*1328*	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	*1337*	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	*1402*	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	*1413*	47 29 04 N 009 34 47 E				
AOC 10 (9)	Tree/Trees	*1414*	47 29 02 N 009 34 47 E				
AOC 10 (10)	Tree/Trees	*1425*	47 28 53 N 009 34 55 E				
AOC 28 (1)	Pole	*1308*	47 29 12 N 009 32 59 E				
AOC 28 (2)	Tree/Trees	*1326*	47 29 07 N 009 32 58 E				
AOC 28 (3)	Tree/Trees	*1327*	47 29 08 N 009 32 57 E				
AOC 28 (4)	Pole	*1336*	47 29 07 N 009 32 55 E				
AOC 28 (5)	Pole	*1339*	47 29 08 N 009 32 55 E				
AOC 28 (6)	Antenna	*1347*	47 29 08 N 009 32 49 E				
AOC 28 (7)	Antenna	*1349*	47 29 08 N 009 32 48 E				
AOC 28 (8)	Building	*1350*	47 29 16 N 009 32 43 E				
AOC 28 (9)	Tree/Trees	*1367*	47 29 08 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**	Trend; issuance: HH+20, HH+50
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.)**	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 m Grooved between DTHR (1325 m)
28		60 x 150			Non-instrument RWY RESA: 30 m Grooved between DTHR (1325 m)
10 GRASS	NIL	NIL	870 x 60	N/A	NIL
28 GRASS					

LSZR AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
10	1455	1515	1455	1380	Public roads behind RWY (outside airport area)
28	1455	1515	1455	1400	Public roads behind RWY (outside airport area)
10 GRASS	810	810	810	810	NIL
28 GRASS	810	810	810	810	NIL

LSZR AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	ALS Type, length, intensity	THR LGT Colour, intensity WBAR	VASIS (MEHT)	RTZL LEN, INTST	RCLL Length, spacing, colour, intensity	REDL Length, spacing, colour, intensity	RENL Colour	SWY LGT Length, colour	RMK
1	2	3	4	5	6	7	8	9	10
10	RLLS Seq. FLG LGT, 300 m, W, LIH	RTHL G, LIH WBAR, RTIL FLG W	PAPI 4.0° L+R (7.0 m)	Simple TZL* 473 m FM THR 10, W, LIH	NIL	75 m, 50 m, R, LIH; 930 m, 50 m, W, LIH; 450 m, 50 m, Y, LIH	R	NIL	First RLLS LGT is 530 m FM THR10
28	NIL	RTHL G, LIH WBAR	PAPI 4.0° L (8.5 m)	Simple TZL*, 473 m FM THR 28, W, LIH	NIL	55 m, 50 m, R, LIH; 950 m, 50 m, W, LIH; 450 m, 50 m, Y,LIH	R	NIL	NIL

* 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.

LSZR 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**	Anemometer: RWY 10: 220 m E of THR 10, LGTD RWY 28: 140 m W of THR 28, LGTD
3	**TWY edge and centre line lighting**	Edge: LIL, B; TWY A and S partly, Turn pads 10/28 Centre line: NIL RGL: A,S,N
4	**Secondary power supply/switch-over time**	Yes / max 15s; DEP VIS less than 800m < 1s
5	**Remarks**	Apron flood lights. Obstacles marked and LGTD (partly)

LSZR AD 2.16 HELICOPTER LANDING AREA

1	**Coordinates TLOF or THR of FATO**	TLOF: Main Apron: 47 29 13.87N / 009 33 10.73E TLOF: Hangar B2: 47 29 13.74N / 009 33 44.68E
2	**TLOF and/or FATO elevation M/FT**	TLOF: Main Apron: 398 m / *1306 ft* TLOF: Hangar B2: 398 m / *1306 ft*
3	**TLOF and FATO area dimensions, surface, strength, marking**	TLOF: Main Apron: TLOF stand MAX OAL or OAW 15.6 m, ASPH, marked TLOF: Hangar B2: TLOF stand MAX OAL or OAW 13.0 m, ASPH, marked
4	**True and MAG BRG of FATO**	RWY 10: GRASS; 099° GEO / 097° MAG RWY 28: GRASS; 279° GEO / 277° MAG
5	**Declared distance available**	See: LSZR AD 2.13 for RWY 10-28 GRASS
6	**APP and FATO lighting**	NIL
7	**Remarks**	NIL

LSZR AD 2.17 ATS AIRSPACE

1	**Designation and lateral limits**	**St. Gallen CTR** 47 33 08 N 009 31 28 E - FIR SWITZERLAND/FIR MUNICH - 47 32 31 N 009 33 16 E - German/Austrian border - 47 31 31 N 009 37 50 E - arc of circle radius 1.90 NM on 47 29 40 N 009 37 08 E - 47 27 46 N 009 37 13 E - 47 28 40 N 009 23 09 E - 47 31 13 N 009 23 36 E - 47 33 29 N 009 26 51 E - 47 33 08 N 009 31 28 E
2	**Vertical limits**	*5500 ft AMSL (1700 m)*
3	**Airspace classification**	D
4	**ATS unit call sign Language(s)**	En; En and Ge for Non-Commercial VFR traffic.
5	**Transition altitude**	*5000 ft AMSL*
6	**Remarks**	ACT: HX - ATIS (monitoring compulsory)

LSZR AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of Operation	Remarks
1	2	3	4	5
ATIS		123.780 MHz	H24	Phone Service: +41 (0) 71 858 51 66
APP	ALPS RADAR	119.925 MHz	H24	Language: En; Ge
TWR	St. Gallen Tower	135.430 MHz 119.700 MHz	HX	QDM AVBL O/R ALTN FREQ Language: En; En and Ge for Non-Commercial VFR traffic.
		121.500 MHz		EMERG
GND	St. Gallen Ground	121.805 MHz	HX	According to ATIS INFO Language: En; En and Ge for Non-Commercial VFR traffic.

LSGS - SION

LSGS AD 2.1 AERODROME LOCATION INDICATOR AND NAME

LSGS - SION

LSGS AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	**ARP coordinates and site at Aerodrome**	46 13 09 N 007 19 37 E - RWY midpoint
2	**Direction and distance from the CITY**	2.5 km SW Sion
3	**Elevation/Reference temperature**	*1582 ft AMSL* - 25.5º C
4	**MAG VAR/Annual change**	2° E (2016.5) / 0°10' eastwards
5	**AD Administration, address, telephone, telefax, telex, AFS**	Post: Aéroport de Sion Route de l'aéroport CH-1950 **Sion** Phone: +41 (0) 27 329 06 00 Fax: +41 (0) 27 329 06 16 AFS: LSGSZPZX - LSGSYDYX SITA: SIRAPXH Email: aeroport@sion.ch URL: http://www.sionairport.ch/
6	**Types of traffic permitted (IFR/VFR)**	IFR/VFR
7	**Remarks**	Geodetic undulation reference for ARP: 169.9 ft

LSGS AD 2.3 OPERATIONAL HOURS

1	**AD Administration**	APR-SEP: 0500 - HRH, MAX 1800 OCT-MAR: 0700 - HRH, MAX 1900 HRH = Day and night limits. REF: GEN 2.7.
2	**Customs and immigration**	AD OPR HR
3	**Health and sanitation**	AD OPR HR
4	**AIS Briefing Office**	AD OPR HR
5	**ATS Reporting Office (ARO)**	AD OPR HR
6	**MET Briefing Office**	AD OPR HR
7	**ATS**	HX
8	**Fuelling**	AD OPR HR
9	**Handling**	AD OPR HR
10	**Security**	AD OPR HR
11	**De-icing**	AD OPR HR
12	**Remarks**	Outside AD administration hours - OPS and services O/R. Special permission is required for flights outside of the opening hours. APR-SEP: 1800 - 1900, **PPR** until 1000 OCT-MAR: 0600 - 0700, **PPR** until 1600 the preceding day, HRH - 2000, **PPR** until 1100 **Special Flights inside CTR and TMA** Special FLTs are subject to coordination requirements. Refer to VFR Manual, VFR RAC 4-0-7 Or via URL: http://www.skyguide.ch/en/services/aim-services/special-flights-activities/

LSGS AD 2.4 HANDLING SERVICES AND FACILITIES

1	**Cargo handling facilities**	Handling possible O/R
2	**Fuel/oil types**	JET A1, AVGAS 100LL, AVGAS UL91 MOBIL 2, W80, W100, 15W50
3	**Fuelling facilities/capacity**	JET A1: 2 trucks 20000 litres AVGAS 100LL: 2 trucks 2500 litres / 1 Self service tank - 20000 litres AVGAS UL91: 1 trailer 2000 litres / 1 Self service tank - 10000 litres
4	**De-icing facilities**	NOV 01 - APR 30: De-icing assured De-icing fluids available: Type I Kilfrost DF-Plus; Type II Kilfrost ABC K-Plus On-stand de-icing: Sion Airport 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**	For ACFT up to 77'000 kg, type A320
6	**Repair facilities for visiting aircraft**	Major and minor aircraft and engine repairs: • FARNER (ACFT up to 5700 kg): +41 (0) 27 322 97 31 • TAG Maintenance Services: +351 210 322 824
7	**Remarks**	For non-based aircraft with MTOM > 3 tons, a handling agent is mandatory. Self-handling is not allowed. The handling agents are: **Aéroport de Sion** Phone: +41 (0)27 329 06 00 Fax: +41 (0)27 329 06 16 Email: aeroport@sion.ch **Signature Flight Support** Phone: +41 (0)27 305 24 24 Fax: +41 (0)27 322 14 16 Email: sir@signatureflight.ch **Alpine Jet Services** Phone: +41 (0)27 327 30 50 Fax: +41 (0)27 327 30 51 Email: handling@alpinejet.ch For such FLTs the name of the handling agent shall be entered in item 18 "other information" of the ICAO flight plan.

LSGS AD 2.5 PASSENGER FACILITIES

1	**Hotels**	In the city
2	**Restaurants**	At AD and in the city
3	**Transportation**	Buses, taxis and car rental from the AD. Trains in city
4	**Medical facilities**	First aid at AD, Ambulance O/R, Hospitals in the city
5	**Bank and Post Office**	In the city, Cash dispenser and Letterbox at AD within AD OPS HRS
6	**Tourist Office**	Office in the city: Phone: +41 (0) 27 327 77 27 Fax: +41 (0) 27 322 77 28 Email: info@siontourisme.ch
7	**Remarks**	NIL

LSGS AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	**AD category for fire fighting**	Category 5 for charter traffic Category 3 for other traffic HYR than Category 3 (max category 7): O/R 3 HR before ETA/ETD
2	**Rescue equipment**	4 fire engines, 1 ramp control vehicle
3	**Capability for removal of disabled aircraft**	Crane, lifting bags and hydraulic jacks up to 20 t.
4	**Remarks**	RFF not available during snow clearing

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	**Apron surface and strength**	CONC / ASPH PCN 40 F/B/X/T
2	**Taxiway width, surface and strength**	15/20 m CONC / ASPH PCN 40 F/B/X/T Details: Ref to LSGS AD 2.24.1/2
3	**ACL location and elevation**	No ACL markings
4	**VOR/INS checkpoints**	NIL
5	**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 LSGS AD 2.14 TWY markings: Centre line, intermediate holding positions, runway holding position and mandatory instruction at all intersections with RWY. TWY LGT: Edge lights on TWY A*, B, C, D, F, G and S* (*: near runway only). Runway guard lights on TWY A and B. Mandatory instruction signs at all RWY holding positions. Information signs on the movement area.
3	**Stop bars**	NIL
4	**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 31E	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	Mobile Crane marked/LGTD	*1623*	46 13 26 N 007 20 47 E	B0418/22
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

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 25 (4)	Pole	*1592*	46 12 56 N 007 18 45 E	Chimney LGTD	*1629*	46 13 30 N 007 20 55 E	B1240/13
AOC 25 (5)	Pole	*1596*	46 12 56 N 007 18 41 E	Tower/Mast LGTD	*1613*	46 13 07 N 007 19 49 E	B0629/05
AOC 25 (6)	Building	*1600*	46 12 59 N 007 18 39 E	Crane/Cranes marked/LGTD	*1761*	46 13 43 N 007 21 46 E	B0064/22
AOC 25 (7)	Building	*1602*	46 13 00 N 007 18 36 E	Crane/Cranes marked/LGTD	*1663*	46 13 22 N 007 20 01 E	B0882/14
AOC 25 (8)	Building	*1608*	46 13 00 N 007 18 35 E	Crane/Cranes marked/LGTD	*1657*	46 12 51 N 007 17 55 E	B0105/15
AOC 25 (9)	Pole	*1628*	46 13 00 N 007 18 30 E	Crane/Cranes marked/LGTD	*1739*	46 13 21 N 007 21 57 E	B0653/19
AOC 25 (10)	Pole	*1631*	46 12 59 N 007 18 27 E				
AOC 25 (11)	Tree/Trees	*1641*	46 12 59 N 007 18 24 E	Crane/Cranes marked/LGTD	*1704*	46 13 40 N 007 21 36 E	B1593/21
AOC 25 (12)	Tree/Trees	*1669*	46 12 52 N 007 18 27 E	Crane/Cranes marked/LGTD	*1729*	46 13 41 N 007 21 35 E	B1744/21
AOC 25 (13)	Power line	*1696*	46 12 46 N 007 18 10 E	Crane/Cranes marked/LGTD	*1754*	46 13 42 N 007 21 39 E	B0185/22
Refer also to LSGS AOC 07/25, LSGS AD 2.24.4 - 1 Number in brackets is equivalent to identification number on AOC.							

LSGS 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**	Issuance: HH+20, HH+50
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**	Internet connection in the briefing room
9	**ATS units provided with information**	Sion TWR
10	**Additional information (limitation of service, etc.)**	Phone: Weather briefing: 0900 162 767 (Fr), 0900 162 737 (Ge); accessible within Switzerland

LSGS 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
07	073° GEO 072° MAG	2000 x 40	PCN 40 F/ B/ X/ T ASPH	46 13 00.73N 007 18 55.42E	*1575 ft*	Refer to: AOC 07/25
25	253° GEO 252° MAG			46 13 18.56N 007 20 19.05E	*1582 ft*	
07 GRASS	073° GEO 072° MAG	660 x 30	0.25 MPa 5700 kg MPW[1] GRASS	NIL	NIL	NIL
25 GRASS	253° GEO 252° MAG		0.25 MPa 5700 kg MPW[1] GRASS			

[1] Maximum permissible weight

Designations RWY NR	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ	Remarks
1	8	9	10	11	12
07	NIL	60	2120 x 150	NIL	Non-instrument runway not grooved RESA: 90 m
25		60			Non-instrument runway not grooved RESA: 90 m
07 GRASS	NIL	NIL	720 x 60	NIL	Only VFR operations (see LSGS AD INFO)
25 GRASS					

LSGS AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
07	2000	2060	2000	1935	MAX length
	1500	1560	1500	Not applicable	Intersection H
	1150	1210	1150	Not applicable	Intersection G
25	2000	2060	2000	1940	MAX length
	1800	1860	1800	Not applicable	Intersection E
	1625	1685	1625	Not applicable	Intersection B
	1355	1415	1355	Not applicable	Intersection C
	1330	1390	1330	Not applicable	Intersection F
07 GRASS	560	560	560	660	Only VFR operations (see LSGS AD INFO)
25 GRASS	660	660	660	560	

LSGS AD 2.17 ATS AIRSPACE

1	**Designation and lateral limits**	**SION CTR** 46 16 41N 007 26 05E - 46 14 00N 007 28 02E - 46 12 04N 007 23 51E - 46 10 20N 007 14 21E - arc of circle 1.62 NM on - 46 11 54N 007 13 45E - clockwise 46 13 27N 007 13 04E - 46 15 06N 007 20 51E - 46 16 41N 007 26 05E
2	**Vertical limits**	FL 130
3	**Airspace classification**	D
4	**ATS unit call sign Language(s)**	En; En and Fr for Non-Commercial VFR traffic.
5	**Transition altitude**	*17000 ft AMSL* except *13000 ft AMSL* for SIDs GOLEB
6	**Remarks**	ACT: HX - ATIS (monitoring compulsory)

LSGS AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of Operation	Remarks
1	**2**	**3**	**4**	**5**
ATIS	NIL	130.630 MHz	HX	Phone: Service: +41 (0) 22 417 40 80
APP	SION RADAR	126.825 MHz	HO	Language: En
TWR	Sion Tower	118.275 MHz	HX	Language: En; En and Fr for Non-Commercial VFR traffic.
FIC	Geneva Information	126.350 MHz	H24	NIL
GND	Sion Ground	121.705 MHz	HX	Language: En; En and Fr for Non-Commercial VFR traffic.

LSGS 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**
SION DVOR/DME (VAR 3° E)	SIO	112.15 MHz 58Y	H24	46 12 55.8N 007 17 19.6E	*1594 ft*	PSN: 260° MAG, 2.2 NM FM THR 25. DOC 40 NM / *25'000 ft.* Service range outside published IAC and SID PROC unreliable.
LOC 25	ISI	110.70 MHz	H24	46 12 57.1N 007 18 40.4E		LOC PSN: 252° MAG, 2214 m FM THR 25. LOC course 244° MAG. Front course sector width 2°. Restricted coverage: 6 to 30 NM - +/- 8° from CL above 5° elevation from LOC.
GP 25		330.20 MHz	H24	46 13 54.7N 007 23 07.2E		GP Angle 6°. PSN: 072° MAG 3774 m before THR 25. Restricted coverage: 6 to 30 NM - +/- 8° from CL above 5° elevation from LOC.
DME 25	ISI	44X	H24	46 12 54.7N 007 18 46.2E	*1609 ft*	DME Co-located with LOC. 1.2 NM DME THR 25. Restricted coverage: 6 to 30 NM - +/- 8° from CL above 5° elevation from LOC.

LSGS AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Local flying restrictions and remarks

AD is for joint use: CIV and MIL.

Use is only by ACFT carrying SVCBL RTF equipment. Exemption from this restriction is granted in exceptional cases. Special permission to be requested by TEL prior to TKOF.

Use of paved RWY is compulsory for all aeroplanes during GLD ACT.

Reserved GLD SECT:
PJE: Refer to VFR Manual, LSGS VAC.

Use of reverse thrust:
For deceleration, it is recommended that the entire RWY LEN AVBL is used; use of reverse thrust shall be limited unless particular safety or operational reasons require it.

MON-SAT: 0600 - 0700 (0500 - 0600), 1100 - 1200 (1000 - 1100), 1700 - 1900 (1600 - 1800) and SUN-HOL, following operations are prohibited:

- AD circuits for
  - non based ACFT
  - noise Category A and B ACFT
  - multi engine ACFT
- aerobatics FLT in the CTR (except gliders) and in the TMA
- engine and reactors control
- technical FLT
- LDG, APCH with go-around, TKOF of ACFT noise Category I/II/III and civil registered fighters are subject to special AUTH.

2. MIL Equipment

- The runway is equipped with 2 retractable MIL arresting cables, located between the thresholds. Cables are retracted when CIV ACFT use RWY. The distance between the cables is 1250 m. If those are not retracted, CIV aircraft are prohibited from rolling over them.

3. Airport regulation

At Sion AP, a number of local regulations apply. The regulations are included in a manual which is AVBL at the AIS briefing office. This manual includes, among other subjects, the following:

a. the meaning of markings and signs;
b. information about ACFT parking;
c. HEL operations;
d. GLD ACT;
e. PJE;
f. aerobatics;
g. marshaller assistance and towing;
h. engine start-up and use of APU.

Departing IFR FLTs shall always contact Sion Ground 121.705 MHz to obtain start-up and ATC clearance.
Marshaller assistance or “Follow me” vehicles can be requested and further information about the regulation can be obtained from Sion Ground or the AIS.
When a local regulation is of importance for the safe operation of ACFT on the apron, the information will be given to each ACFT by Sion Ground or the AIS.

“Local regulations” may be requested, in writing, from:

Post: Aéroport de Sion
Route de l’aéroport
CH-1950 Sion

4. ACFT guidance on apron

4.1 **General**

For taxi instruction, contact GND on FREQ 121.705 MHz. Pilot in command remains responsible for avoidance of collision with ACFT and objects outside of the ATS responsibility BDRY.

4.2 **Area of responsibility**

The exact ATS responsibility BDRY is shown on the AD-chart LSGS AD 2.24.1 - 1.

4.3 **Operational hours**

HO; REF: LSGS AD 2.3.

5. Aircraft parking SECTOR NORTH

Parking on north apron dedicated to non-based ACFT and scheduled FLTs only (7 days maximum).
Except parking “GVM”, dedicated to the Air Club Sion.
Transit parking dedicated to ACFT with a MTOM over 3 tons. Permission are allowed only by the airport authority at least 24 H in advance.
Phone: +41 (0) 27 329 06 00 or
Email: aeroport@sion.ch

6. High-visibility equipment

All crew on the movement area must wear yellow high-visibility safety equipment (jacket or vest) compliant with the EN 471 standard.

7. Self-service tank

Taxi to self-service tank in clockwise direction. Only for ACFT with MAX wingspan 11.0 m.

LSGS AD 2.21 NOISE ABATEMENT PROCEDURES

1. Auxiliary Power Units (APU)

1.1 The following regulations are applicable to use of APU:

- a MAX of 15 MIN prior to ACFT DEP
- a MAX of 10 MIN after ACFT ARR

The use of APU for MAINT shall be restricted to a MNM DUR.

LSGS AD 2.22 FLIGHT PROCEDURES

1. Special regulations for IFR approach and departure

1.1 IFR procedures

The use of IFR APCH or DEP procedures in Sion is limited to pilots, operators and ACFT fulfilling the respective airport qualifications. Pilots must hold a type A or B qualification.

- **Type A** qualification is obtained by achieving a self-Airport Briefing performed on the website:
  URL: www.sion-qualification.ch
- **Type B** qualification is obtained by achieving a flight program performed either on the ACFT or on a simulator. The flight program has to be submitted to an organisation authorized by Sion Airport Authority to deliver the type B qualification.

Referring to the type B qualification for multi crew, only the PIC, who must be the Pilot Flying, has to hold a type B qualification while the Pilot Non Flying only needs to hold a type A qualification.

1.1.1 IFR approach procedures

Any approaching ACFT must comply with the requirements of the ACFT, as well as with the relevant procedures published on the approach charts.

a. **Approach to RWY 25**
Initial APCH at 6.0° and final APCH and LDG at 4.0°. This approach is not considered as a "steep approach", as the last 7 NM are calculated with an APCH angle of 4.0° and are performed visually.

b. **Circling Procedures RWY 07**
Initial APCH to RWY 25 at 6.0° followed by circling procedure, which is available to ACFT categories A, B with speed limit of 125KT and C with speed limit of 135KT. Only available for pilot type B qualification.

c. Instrument approach procedures available for pilot **type A** qualification
IGS RWY 25, DA 8000 ft Conditions: VIS 8000m and ceiling 6500 ft AGL, day only.

d. Instrument approach procedures available for pilot **type B** qualification
IGS RWY 25, DA according to ACFT PER
- IGS RWY 25 Day Conditions: VIS 5000 m.
- IGS RWY 25 Night Conditions: VIS 5000 m, ACFT able to fly a high PER DEP, only when RWY 25 in use.

RNP RWY 25 (AR), DA according to ACFT CAT
- RNP RWY 25 (AR) Day Conditions: NAA approved (Special aircraft and aircrew authorisation required)
- RNP RWY 25 (AR) Night Conditions: ACFT able to fly a high PER DEP, only when RWY 25 in use.
NAA approved (Special aircraft and aircrew authorisation required).

1.1.2 IFR departure procedures

Any departing ACFT must comply with the requirements of the ACFT as well as with the relevant procedures published on the SID charts.

a. Instrument departure procedures available for pilot **type A** qualification
Standard SID (via GRANA) Conditions: VIS 8000 m and ceiling 6500 ft AGL, VMC must be maintained until GRANA, day only.
High PER VMC SID Conditions: VMC until reaching the final SID altitude, day only.

b. Instrument departure procedures available for pilot **type B** qualification
Standard SID (via GRANA) Conditions: VIS 8000 m and ceiling 6500 ft AGL, VMC must be maintained until GRANA, day only.
High PER SID Conditions: RVR 550 m, day and night.

1.1.3 Requirements overview

REQUIREMENTS OVERVIEW				
Flight operation & procedures		Requirements & Conditions		
		Pilot Qualification	**Conditions**	**Aircraft Performance**
VFR departure		NIL	VMC	NIL
IFR departure	Standard SID (via GRANA), day only	A / B	VIS 8000 m + ceiling 6500 ft AGL, VMC to GRANA	NIL
	High PER VMC SID, day only	A	VMC until reaching final SID altitude	High PER
	High PER SID, day and night	B	RVR 550 m	High PER
VFR approach & landing		NIL	VMC	NIL
IFR approach & landing	IGS RWY 25, DA 8000 ft, day only	A	VIS 8000 m + ceiling 6500 ft AGL	OEI ceiling for APCH *14500 ft AMSL*. Able for a 6° glide path angle. OEI missed APCH climb gradient
	IGS RWY 25, DA according to ACFT PER, day only	B	VIS 5000 m	
	IGS RWY 25, DA according to ACFT PER, night only	B	VIS 5000 m, high PER DEP, only if RWY 25 in use	
	RNP RWY 25 (AR) DA according to ACFT CAT day only	B	NAA approved*	
	RNP RWY 25 (AR), DA according to ACFT CAT night only	B	High PER DEP, only if RWY 25 in use NAA approved*	
	Circling RWY 07, day only	B	AVBL for ACFT categories A, B with speed limit of 125KT and C with speed limit of 135KT	
Note:	1) MNM climb gradient in accordance with LSGS AD 2.24.10.1 (go-around missed APCH climb gradient) 2) The conditions given by this table allow any ACFT category to operate, provided it fulfils the MAX IAS			
Legend:	NIL = not required NAA = National Aviation Authority * (Special aircraft and aircrew authorisation required)			

1.1.4 SID Descriptions

GENERAL INFORMATION FOR ALL SIDs

- MAX ALT applicable when MIL ON
- Contact Sion Ground 121.705 prior to start-up
- INITIAL CLIMB CLEARANCE: BY ATC

1.1.4.1 SID RWY 07/25 (see chart LSGS AD 2.24.7 - 1)

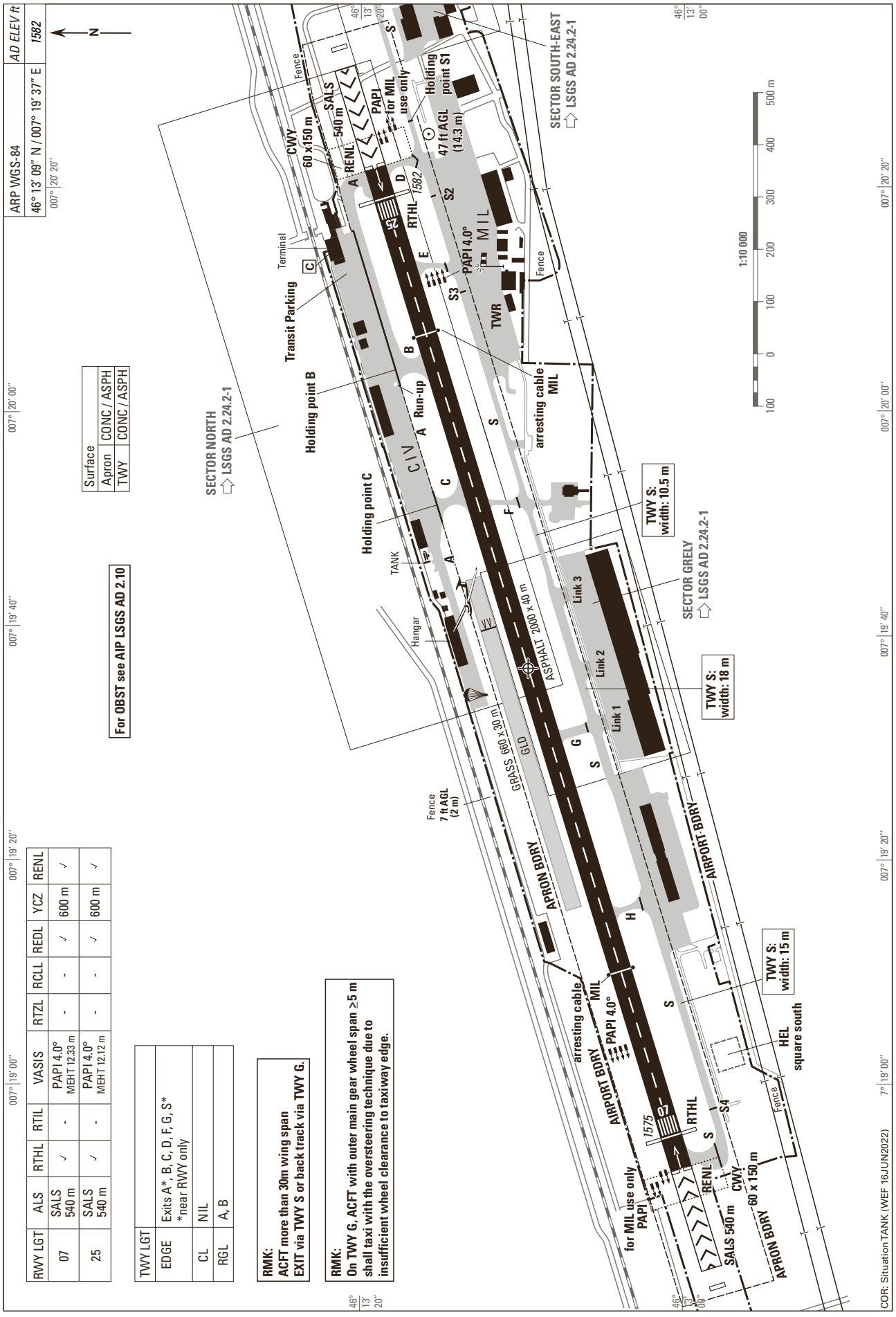
	RWY 07/25			
	ROUTE			
DESIGNATOR	Lateral	Vertical	Contact	Remark
ROCCA 2J/K/L	Proceed to GRANA (large factory, south of Sierre) maintaining visual ground contact. Arrange your visual climb to pass GRANA at 6000ft or above, established on R066 SIO (TR246) to SIO. At SIO intercept R233 SIO, proceed via BERAR to D30 SIO. At D30 SIO turn left (MAX IAS 250KT during turn), establish TR190, proceed to ROCCA.	Cross: D7.2 SIO MAX 11000ft, D12.2 SIO MAX 13000ft, D20 SIO MNM 13000ft, BERAR MNM 16000ft, D30 SIO MNM FL according chart.		RNAV 5 certification required.
SAINT-PREX 2J (SPR 2J)	Proceed to GRANA (large factory, south of Sierre) maintaining visual ground contact. Arrange your visual climb to pass GRANA at 6000ft or above, established on R066 SIO (TR246) to SIO. At SIO intercept R233 SIO, proceed to BERAR. At BERAR turn right (MAX IAS 250KT during turn), intercept R155 SPR inbound, proceed to SPR.	Cross: D7.2 SIO MAX 11000ft, D12.2 SIO MAX 13000ft, D20 SIO MNM 13000ft, BERAR MNM 16000ft.		

1.1.4.2 SID RWY 25 - HIGH PERFORMANCE (see chart LSGS AD 2.24.7 - 3)

	RWY 25 - HIGH PERFORMANCE			
	ROUTE			
DESIGNATOR	Lateral	Vertical	Contact	Remark
ROCCA 3U/V/W PDG: 13.6% to 9500ft	Climb straight ahead. At the end of the RWY proceed on TR242, intercept R233 SIO. Proceed via BERAR to D30 SIO. At D30 SIO turn left (MAX IAS 250KT during turn), establish TR190, proceed to ROCCA	Cross: D7.2 SIO MAX 11000ft, D12.2 SIO MAX 13000ft, D20 SIO MNM 13000ft, BERAR MNM 16000ft, D30 SIO MNM FL according chart.		RNAV 5 certification required.
SAINT-PREX 3U (SPR 3U) PDG: 13.6% to 8500ft	Climb straight ahead. At the end of the RWY proceed on TR242, intercept R233 SIO. Proceed to BERAR. At BERAR turn right (MAX IAS 250KT during turn), intercept R155 SPR inbound, proceed to SPR.	Cross: D7.2 SIO MAX 11000ft, D12.2 SIO MAX 13000ft, D20 SIO MNM 13000ft, BERAR MNM 16000ft.		

1.1.4.3 SID RWY 07/25 - ONLY FOR DEST WITHIN TMA LSGG OR LFLB (see chart LSGS AD 2.24.7 - 5)

	RWY 07/25 - ONLY FOR DEST WITHIN TMA LSGG OR LFLB			
	ROUTE			
DESIGNATOR	Lateral	Vertical	Contact	Remark
GOLEB 2J/K/L	Proceed to GRANA (large factory, south of Sierre) maintaining visual ground contact. Arrange your visual climb to pass GRANA at 6000ft or above, established on R066 SIO (TR246) to SIO. At SIO intercept R233 SIO, proceed to BERAR. At BERAR turn right (MAX IAS 250KT during turn), intercept R122 GVA inbound to GOLEB.	Cross: D7.2 SIO MAX 11000ft, D12.2 SIO MAX 13000ft, D20 SIO MNM 13000ft, GOLEB MNM FL according chart.		- For TFC DEST LSGG, join KINES arrival route. - For TFC DEST LFLB/LFLP, follow route Y52.
GOLEB 3U/V/W PDG: 13.6% to 8500ft, 4.8% to 12300ft	Climb straight ahead. At the end of the RWY proceed on TR242, intercept R233 SIO. Proceed to BERAR. At BERAR turn right (MAX IAS 250KT during turn) and proceed to GOLEB.	Cross: D7.2 SIO MAX 11000ft, D12.2 SIO MAX 13000ft, D20 SIO MNM 13000ft, GOLEB MNM FL according to the chart		HIGH PERFORMANCE DEPARTURE (RWY 25 only) - For TFC DEST LSGG, join KINES arrival route. - For TFC DEST LFLB/LFLP, follow route Y52.



RWY LGT	ALS	RTHL	RTIL	VASIS	RTZL	RCLL	REDL	YCZ	RENL
07	SALS 540 m	✓	-	PAPI 4.0° MEHT 12.33 m	-	-	✓	600 m	✓
25	SALS 540 m	✓	-	PAPI 4.0° MEHT 12.12 m	-	-	✓	600 m	✓

TWY LGT	
EDGE	Exits A*, B, C, D, F, G, S* *near RWY only
CL	NIL
RGL	A, B

RMK:
ACFT more than 30m wing span EXIT via TWY S or back track via TWY G.

RMK:
On TWY G, ACFT with outer main gear wheel span >5 m shall taxi with the oversteering technique due to insufficient wheel clearance to taxiway edge.

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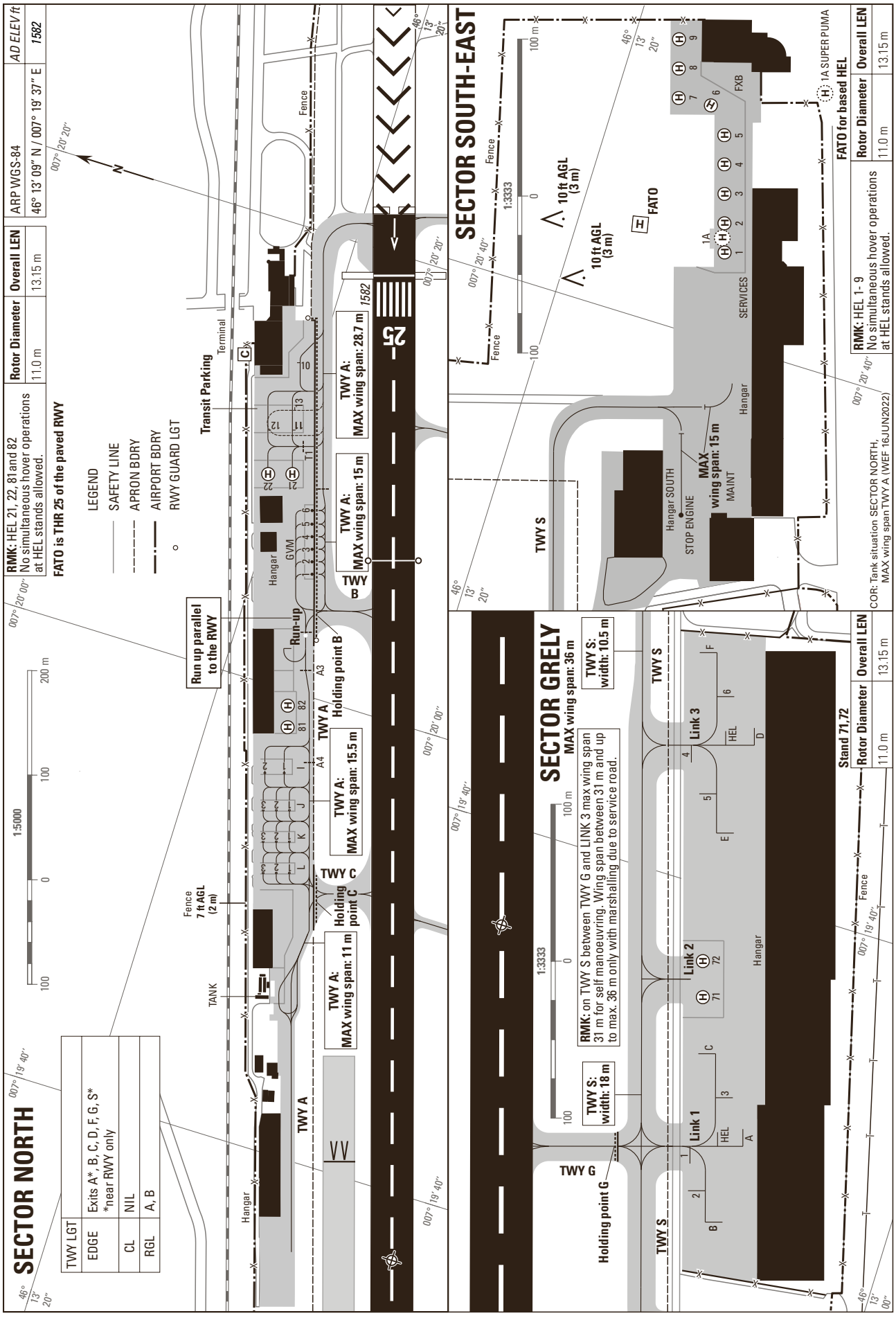
SECTOR NORTH
SECTOR SOUTH-EAST
SECTOR GRELY
ARP WGS-84
46° 13' 09" N / 007° 19' 37" E
AD ELEV ft
1582
Rotor Diameter
Overall LEN
11.0 m
13.15 m
RMK: HEL 21, 22, 81 and 82
No simultaneous hover operations at HEL stands allowed.
FATO is THR 25 of the paved RWY
LEGEND
SAFETY LINE
APRON BDRY
AIRPORT BDRY
RWY GUARD LGT
TWY LGT
EDGE
Exits A*, B, C, D, F, G, S*
*near RWY only
CL
NIL
RGL
A, B
25
TWY A
TWY B
TWY C
TWY S
TWY G
Transit Parking
Terminal
Run up parallel to the RWY
Run-up
Holding point B
Holding point C
Holding point G
TWY A: MAX wing span: 28.7 m
TWY A: MAX wing span: 15 m
TWY A: MAX wing span: 15.5 m
TWY A: MAX wing span: 11 m
TWY S: width: 18 m
TWY S: width: 10.5 m
MAX wing span: 36 m
RMK: on TWY S between TWY G and LINK 3 max wing span 31 m for self manoeuvring. Wing span between 31 m and up to max. 36 m only with marshalling due to service road.
Fence
7 ft AGL (2 m)
TANK
Hangar
GVM
Link 1
Link 2
Link 3
Stand 71,72
10 ft AGL (3 m)
FATO
SERVICES
FXB
Hangar SOUTH
STOP ENGINE
MAINT
MAX wing span: 15 m
1A SUPER PUMA
FATO for based HEL
RMK: HEL 1- 9
No simultaneous hover operations at HEL stands allowed.
COR: Tank situation SECTOR NORTH, MAX wing span TWY A (WEF 16JUN2022)

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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**	**Dock A, B and E** Safegate Aircraft Docking Guidance System “Safedock” **Routine docking manoeuvre:** • 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. • 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. • Display of digital countdown in meters starts at 20m before stop PSN. • At the stop PSN the display will show "STOP followed by "OK" if parked correctly. • 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. • The color scheme of an ACFT may have a negative impact on the identification process. Detailed system description of docking procedure, fault messages and safety procedures with corresponding graphics are AVBL under: URL: https://www.flughafen-zuerich.ch/en/business/airlines-and-handling/flight-operations/aircraft-docking-guidance-system **Stop at parking PSNs C, D, F, G, H, I, P, T, W**: 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: LSZH AD 2.24.3 - 1, inset)
2	**RWY/TWY markings and LGT**	RWY Centre lines, thresholds, touchdown zone; Taxiway centre line, holding positions, taxi-out lines; apron heliport ICAO markings (REF: LSZH AD 2.24.1 - 1) Where no taxiway centre line markings are applied at runway exits, taxiing clearance distances using "cockpit over TWY CL" not ensured.
3	**Stop bars**	LIH (REF: LSZH AD 2.24.3 - 1 and LSZH AD 2.24.3 - 3) On apron, taxiway centre line light section after stop bars not switchable.
4	**Remarks**	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: LSZH LSZH AD 2.24.1 - 1) 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: LSZH LSZH AD 2. 24.1 - 1) Be aware of repositioning of de-icing trucks within the remote de-icing facilities.

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	*1427*	47 27 21 N 008 34 20 E	Church	*1588*	47 25 56 N 008 34 38 E	A0087/08
AOC 10 (2)	Large structure	*1428*	47 27 20 N 008 34 21 E	Building LGTD	*1483*	47 27 27 N 008 34 25 E	A0096/01
AOC 10 (3)	Antenna	*1432*	47 27 23 N 008 34 28 E	Antenna marked/LGTD	*1705*	47 24 52 N 008 33 56 E	A0164/12
AOC 10 (4)	Antenna	*1434*	47 27 23 N 008 34 29 E	Building LGTD	*1690*	47 24 49 N 008 33 10 E	A0390/02
AOC 10 (5)	Enclosure	*1436*	47 27 27 N 008 34 31 E				
AOC 10 (6)	Antenna	*1437*	47 27 23 N 008 34 31 E	Antenna marked/LGTD	*1435*	47 28 23 N 008 32 23 E	A0198/07
AOC 10 (7)	Antenna	*1440*	47 27 20 N 008 34 31 E	Radar marked/LGTD	*1526*	47 27 52 N 008 33 03 E	A0393/02
AOC 10 (8)	Tree/Trees	*1452*	47 27 26 N 008 34 33 E	Crane/Cranes marked/LGTD	*1754*	47 24 39 N 008 32 35 E	A0285/20
AOC 10 (9)	Tree/Trees	*1458*	47 27 24 N 008 34 38 E	RVR Camera	*1400*	47 28 49 N 008 32 12 E	A0281/08
AOC 10 (10)	Tree/Trees	*1471*	47 27 25 N 008 34 40 E	Antenna marked/LGTD	*1766*	47 24 39 N 008 32 38 E	A0635/08
AOC 10 (11)	Building	*1482*	47 27 25 N 008 34 46 E	Antenna LGTD	*1591*	47 26 56 N 008 34 33 E	A0285/00
AOC 10 (12)	Building	*1484*	47 27 24 N 008 34 46 E	Antenna marked/LGTD	*2148*	47 25 17 N 008 27 48 E	A0262/07
AOC 10 (13)	Building	*1486*	47 27 25 N 008 34 47 E	Antenna marked/LGTD	*1591*	47 26 59 N 008 34 26 E	
AOC 10 (14)	Tree/Trees	*1533*	47 27 26 N 008 35 21 E	Tower/Mast LGTD	*1683*	47 26 30 N 008 34 55 E	
AOC 10 (15)	Tree/Trees	*1555*	47 27 25 N 008 35 23 E	Crane/Cranes marked/LGTD	*1516*	47 23 35 N 008 30 29 E	
AOC 10 (16)	Pole	*1569*	47 27 25 N 008 35 24 E	Tower LGTD	*1550*	47 27 14 N 008 33 28 E	
AOC 10 (17)	Tree/Trees	*1571*	47 27 25 N 008 35 25 E	Antenna LGTD	*1473*	47 28 43 N 008 31 47 E	
AOC 10 (18)	Tree/Trees	*1603*	47 27 09 N 008 35 53 E	Tower/Mast	*2168*	47 26 11 N 008 24 28 E	A0154/10
AOC 10 (19)	Tree/Trees	*1618*	47 27 08 N 008 35 54 E	Antenna marked/LGTD	1699	47 25 22 N 008 32 14 E	
AOC 10 (20)	Tree/Trees	*1625*	47 27 04 N 008 35 58 E	Building LGTD	*1476*	47 27 29 N 008 34 24 E	
AOC 10 (21)	Tree/Trees	*1631*	47 27 02 N 008 36 01 E	Antenna LGTD	*1532*	47 26 43 N 008 32 57 E	
AOC 10 (22)	Tree/Trees	*1646*	47 27 14 N 008 36 15 E	Tree/Trees	*1611*	47 26 31 N 008 34 20 E	
AOC 10 (23)	Tree/Trees	*1685*	47 27 10 N 008 36 16 E	Building	*1532*	47 27 13 N 008 34 13 E	
				Antenna LGTD	*1545*	47 27 14 N 008 33 52 E	
				Antenna LGTD	*1421*	47 27 26 N 008 32 44 E	