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CH-8602 WANGEN
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AIP

AMDT 012 2021

Effective Date 02 DEC 2021

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
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GEN 0.2 - 9/10 04 NOV 2021
GEN 0.4 - 1/2 AIRAC 02 DEC 2021
GEN 0.4 - 3/4 AIRAC 02 DEC 2021
GEN 0.4 - 5/6 AIRAC 02 DEC 2021
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GEN 3.3 - 1/2 12 AUG 2021
GEN 3.4 - 1/2 AIRAC 20 MAY 2021
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ENR 4.4 - 9/10 AIRAC 04 NOV 2021
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2. Record entry of amendment on page GEN 0.2

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

NOTAM: B1216/21, B1231/21

AIP SUP: NIL

AIC: NIL

Enroute chart: New version available on eAIP

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

Checklist SUP: 007 2018, 002 2021

Checklist AIRAC SUP: 003 2021

Insert the following pages:

AD 0.6 - 13/14
LSZB AD 2 - 1/2
LSZB AD 2 - 3/4
LSZB AD 2 - 7/8
LSZC AD 2 - 3/4
LSGC AD 2 - 5/6
LSGG AD 2 - 9/10
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LSZS AD 2 - 5/6
LSGS AD 2 - 5/6
LSZH AD 2 - 11/12
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02 DEC 2021	LSZB AD 2 - 3/4	15 JUL 2021
02 DEC 2021	LSZB AD 2 - 7/8	15 JUL 2021
02 DEC 2021	LSZC AD 2 - 3/4	07 OCT 2021
02 DEC 2021	LSGC AD 2 - 5/6	17 JUN 2021
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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	

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LSGG AD 2.24.10 - 20	AIRAC 28 MAR 2019	LSZA AD 2.24.7 - 5	AIRAC 15 JUL 2021	LSZR AD 2.24.7 - 4	AIRAC 05 NOV 2020
LSGG AD 2.24.13 - 1	16 JUL 2009	LSZA AD 2.24.7 - 6	AIRAC 15 JUL 2021	LSZR AD 2.24.7 - 5	AIRAC 21 MAY 2020
LSGG AD 2.24.13 - 2	16 JUL 2009	LSZA AD 2.24.9 - 1	AIRAC 23 MAY 2019	LSZR AD 2.24.7 - 6	AIRAC 21 MAY 2020
LSZG AD 2 - 1	12 AUG 2021	LSZA AD 2.24.9 - 2	AIRAC 23 MAY 2019	LSZR AD 2.24.7 - 7	AIRAC 05 NOV 2020
LSZG AD 2 - 2	12 AUG 2021	LSZA AD 2.24.10 - 1	30 JAN 2020	LSZR AD 2.24.7 - 8	AIRAC 05 NOV 2020
LSZG AD 2 - 3	02 DEC 2021	LSZA AD 2.24.10 - 2	30 JAN 2020	LSZR AD 2.24.7 - 9	AIRAC 05 NOV 2020
LSZG AD 2 - 4	02 DEC 2021	LSZA AD 2.24.10 - 3	30 JAN 2020	LSZR AD 2.24.7 - 10	AIRAC 05 NOV 2020
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LSZG AD 2 - 6	20 MAY 2021	LSZA AD 2.24.10 - 5	30 JAN 2020	LSZR AD 2.24.7 - 12	AIRAC 21 MAY 2020
LSZG AD 2 - 7	04 NOV 2021	LSZA AD 2.24.10 - 6	30 JAN 2020	LSZR AD 2.24.9 - 1	AIRAC 21 MAY 2020
LSZG AD 2 - 8	04 NOV 2021	LSZA AD 2.24.10 - 7	30 JAN 2020	LSZR AD 2.24.9 - 2	AIRAC 21 MAY 2020
LSZG AD 2 - 9	20 MAY 2021	LSZA AD 2.24.10 - 8	30 JAN 2020	LSZR AD 2.24.9 - 3	AIRAC 21 MAY 2020
LSZG AD 2 - 10	20 MAY 2021	LSMP AD 2 - 1	17 JUN 2021	LSZR AD 2.24.9 - 4	AIRAC 21 MAY 2020
LSZG AD 2 - 11	17 JUN 2021	LSMP AD 2 - 2	17 JUN 2021	LSZR AD 2.24.10 - 1	03 DEC 2020

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LSZR AD 2.24.10 - 4	03 DEC 2020	LSGS AD 2.24.9 - 1	AIRAC 26 MAR 2020	LSZH AD 2 - 60	AIRAC 02 DEC 2021
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LSZS AD 2.24.10 - 1	AIRAC 05 DEC 2019	LSZH AD 2 - 20	15 JUL 2021	LSZH AD 2.24.5 - 3	AIRAC 07 DEC 2017
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LSZS AD 2.24.11 - 2	AIRAC 26 MAR 2020	LSZH AD 2 - 25	15 JUL 2021	LSZH AD 2.24.6 - 4	AIRAC 02 DEC 2021
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LSZS AD 2.24.12 - 2	22 APR 2021	LSZH AD 2 - 27	15 JUL 2021	LSZH AD 2.24.7.1 - 2	07 OCT 2021
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LSGS AD 2 - 7	15 JUL 2021	LSZH AD 2 - 34	AIRAC 02 DEC 2021	LSZH AD 2.24.7.2 - 1	07 OCT 2021
LSGS AD 2 - 8	15 JUL 2021	LSZH AD 2 - 35	07 OCT 2021	LSZH AD 2.24.7.2 - 2	07 OCT 2021
LSGS AD 2 - 9	17 JUN 2021	LSZH AD 2 - 36	07 OCT 2021	LSZH AD 2.24.7.2 - 3	07 OCT 2021
LSGS AD 2 - 10	17 JUN 2021	LSZH AD 2 - 37	07 OCT 2021	LSZH AD 2.24.7.2 - 4	07 OCT 2021
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Title	Difference(s)
9 Facilitation	<p>CHAPTER 3 3.9 Switzerland does issue biometric passports. Furthermore, Switzerland has started to issue biometric visa by October 2011 in a step-by-step process which will be finished not earlier than by end of 2014. However, biometrics that are captured during the application process and verified during entry control are not stored in a chip in the visa itself but in a database accessible for all Schengen Member States. 3.67 / 3.67.1 The Swiss Government provides crew member certificate (CMC) facilities for arriving crew members presenting CMCs only if such documents are issued by the competent authority and in the format specified in ICAO Doc 9303, Part 3 - Size 1 and Size 2 Machine Readable Official Travel Documents. No facilities are provided to holders of crew identity cards issued by a private organisation (e.g. Company ID), even if their documents are issued in the format specified by ICAO Doc 9303.</p>
	<p>CHAPTER 4 4.15 Under the Swiss Customs Law, ACFT operator are party to the customs clearance. As such, they can be held responsible, fined or penalized for inaccuracies or omissions arisen during the customs clearance.</p>
	<p>CHAPTER 5 5.9.1 Switzerland holds ACFT operators responsible for the cost of custody and care where a person is denied entry. In practice, however, a cooperative agreement can be concluded between the responsible authorities and an ACFT operator, which allows a reduction in costs and fine depending on the degree of negligence. Exception: REF: LSZB AD 2.5 § 7</p>
	<p>CHAPTER 6 6.44 / 6.45 The upgrade would neither provide effective means against unruly passengers nor will it be possible from a legal point of view to implement such provisions in the national legislation or to enforce them.</p>

Title	Difference(s)
10 Aeronautical Telecommunications	NIL
Volume I: Radio Navigation Aids	<p>Volume I 3.1.3.3.1 Not all ILS localizers are compliant with the coverage requirements due to obstructions 3.1.5.3.1 Not all ILS glide paths are compliant with the coverage requirements due to obstructions</p>
Volume II: Communication Procedures including those with PANS Status	<p>Volume II 3.5.1.6 e) Signature of operator not required due to implementation of different means of compliance. (badge system with automatic registration). 5.2.1.4.1.1 a) Transmission of numbers (1) All numbers used in the transmission of aircraft call sign, headings, runway, wind direction and speed shall be transmitted by pronouncing each digit separately. (i) Flight levels shall be transmitted by pronouncing each digit separately except for the case of flight levels in whole hundreds. (ii) The altimeter setting shall be transmitted by pronouncing each digit separately except for the case of a setting of 1000 hPa which shall be transmitted as 'ONE THOUSAND'. (iii) All numbers used in the transmission of transponder codes shall be transmitted by pronouncing each digit separately except that, when the transponder codes contain whole thousands only, the information shall be transmitted by pronouncing the digit in the number of thousands followed by the word 'THOUSAND'.</p>

Title	Difference(s)
	<p>(2) All numbers used in transmission of other information than those described in point (a)(1) shall be transmitted by pronouncing each digit separately, except that all numbers containing whole hundreds and whole thousands shall be transmitted by pronouncing each digit in the number of hundreds or thousands followed by the word 'HUNDRED' or 'THOUSAND', as appropriate. Combinations of thousands and whole hundreds shall be transmitted by pronouncing each digit in the number of thousands followed by the word 'THOUSAND', followed by the number of hundreds, followed by the word 'HUNDRED'.</p> <p>(3) In cases where there is a need to clarify the number transmitted as whole thousands and/or whole hundreds, the number shall be transmitted by pronouncing each digit separately.</p> <p>(4) When providing information regarding relative bearing to an object or to conflicting traffic in terms of the 12-hour clock, the information shall be given pronouncing the digits together such as 'TEN O'CLOCK' or 'ELEVEN O'CLOCK'.</p> <p>(5) Numbers containing a decimal point shall be transmitted as prescribed in point (a)(1) with the decimal point in appropriate sequence indicated by the word 'DECIMAL'.</p> <p>(6) All six digits of the numerical designator shall be used to identify the transmitting channel in Very High Frequency (VHF) radiotelephony communications except in the case of both the fifth and sixth digits being zeros, in which case only the first four digits shall be used.</p> <p>5.2.1.7.1.2 Non-ATS aeronautical stations for aerodromes without ATS services are identified by the Call sign suffix AERODROME (AD).</p>
<p>Volume III: Part I: Digital Data Communication Systems Part II: Voice Communication Systems</p>	<p>Volume III Part II 2.3.3.1 Since 1 January 1998 compliance is required for all new airborne VHF communication receiving systems of aircraft registered in Switzerland (retrofit has been suspended). 2.3.3.2 Since 1996 new VHF COM receivers must comply with FM interference immunity requirements. Retrofit is not required.</p>
<p>Volume IV: Surveillance and Collision Avoidance Systems</p>	<p>NIL</p>
<p>Volume V: Aeronautical Radio Frequency Spectrum Utilization</p>	<p>NIL</p>

Title	Difference(s)
<p>11 Air Traffic Services</p>	<p>CHAPTER 2 2.6.1 IFR permitted in airspace class G only when operated on a published instrument flight procedure. Implementing Regulation (EU) No 923/2012 paragraph SERA.6001 allows aircraft to exceed the 250 knot speed limit where approved by the competent authority for aircraft types, which for technical or safety reasons, cannot maintain this speed. 2.6.3 Reduced visibility and distance to clouds in airspace class G 2000ft (600m) AGL. IFR permitted in airspace class G only when operated on a published instrument flight procedure. 2.10.3.3 Exceptions: LSGS, LSZC, LSME, LSMM, LSMA 2.25.5 According to 2.26.5, Implementing Regulation (EU) No 923/2012 SERA.3401(d)(1), time checks shall be given at least to the nearest minute. 2.29.1 LPR for local languages (G, F, I) - work is ongoing.</p>

GEN 3.3 AIR TRAFFIC SERVICES

1. Responsible service

1.1 Responsible authority

FOCA exercises direct authority over the Swiss ATS (REF: [GEN 1.1](#), § 1 for postal address).

skyguide, Swiss Air Navigation Services Ltd. is charged with the provision of the ATS in accordance with the ordinance "Verordnung über den Flugsicherungsdienst (VFSD)" (18 DEC 1995: SR 748.132.1). This concerns in particular:

ACC service	within Swiss and ADJ foreign airspace (as agreed inter-governmentally).
APP and DEP control service	for the ADs of LSGG, LSZB and LSZH, as well as LSGC, LSGS, LSZG and service LSZR.
TWR service	at the ADs of LSGG, LSGC, LSGS, LSZA, LSZB, LSZC, LSZG, LSZL, LSZR, LSZH.
ATFM	within Swiss and ADJ foreign airspace (as agreed inter-governmentally).

At some other ADs, different units operate certain ATS.

1.2 Applicable documents

The common rules of the air and operational provisions regarding services and procedures in air navigation according to Implementing Regulation (EU) No 923/2012 (Standardised European Rules of the Air) are applicable.

ICAO SARPS are applicable within the area of responsibility of the Swiss ATS.

ICAO Annex 2, Rules of the air

Differences will be published later.

ICAO Annex 11, Air traffic services

No differences

ICAO Doc 4444-ATM/501, Procedures for Air Navigation Services(PANS-ATM)

Wake turbulences, Separation prescriptions REF: [ENR 1.5.4](#).

Clearance to descend subject to maintaining own separation while in VMC REF: [ENR 1.5.2.5](#)

Visual DEP REF: [ENR 1.5.3.2](#)

Instructions for the CMPL of the flight plan form REF: [ENR 1.10](#).

ICAO Doc 7030, Regional supplementary procedures

No differences

ICAO Doc 8168 - OPS/611, Aircraft operations

Differences will be published later.

2. Area of responsibility

The area of responsibility of the Swiss ATS comprises the FIR/UIR Switzerland consisting of the Swiss territory, the airspace of the Principality of Liechtenstein and parts of the ADJ foreign airspace of Germany.

In addition to the FIR/UIR Switzerland, the area of responsibility additionally covers parts of ADJ foreign airspace, for which the provision of the ATS has been delegated to Swiss ATC units on the basis of agreements with the appropriate foreign units. The provision of ATS is delegated for specific parts of the FIR/UIR Switzerland to foreign ATS units, in a similar manner.

Transfer of control points, which do not coincide with the FIR/UIR according to operational agreements with foreign ATC units, are listed in [ENR 3.1](#).

To meet the requirements of air navigation, Switzerland has two ACCs: ACC Geneva and ACC Zurich.

The FIR/UIR BDRY and the areas of responsibility are defined by their COORD in [ENR 2.1](#), and depicted on aeronautical charts.

Approach control and TWR services for **LFSB AP** are provided by the French ATS, in accordance with the French-Swiss convention. All corresponding information can be found in **AIP FRANCE**.

3. Types of services

3.1 Air Traffic Services (ATS)

ATS comprise:

- a. the ATC service;
- b. the FIS;
- c. ALRS.

The ATC service is provided:

- a. to all IFR FLTs;
- b. to all VFR FLTs
 - in class C airspace,
 - in CTR and TMA class D,
 - in other class D airspace for entry.

The ATC service is subdivided in:

- ACC service,
- APP,
- TWR service.

NOTE: The objectives of the ATC service do not include the prevention of collision with terrain. The procedures prescribed in this document do not therefore relieve the pilot of his responsibility to ensure that any clearance issued by an ATC unit is safe in this respect, except when an IFR FLT is vectored by radar.

3.2 Flight Information Service (FIS)

The FIS is provided to all ACFT which are likely to be affected by the information and which are:

- a. provided with ATC service; or
- b. known to the relevant ATS unit and in two-way radio contact with it.

3.3 Alerting Service (ALRS):

- a. to all ACFT provided with ATC service;
- b. in so far as practicable, to all other ACFT which have filed a flight plan or are otherwise known to the ATS units.
- c. to any ACFT known or believed to be the subject of unlawful interference.

3.4 Aerodrome Flight Information Service (AFIS)

3.4.1 RTF communications at aerodromes with AFIS

3.4.1.1 Concept

AFIS is flight information service for aerodrome traffic.

3.4.1.2 Callsign

The ADs at which AFIS is provided are indicated on the Radio Facility Index chart in [ENR 6](#). They are identified in RTF by the name of the aerodrome, complemented by INFORMATION.

3.4.1.3 Radio communications coverage

Radio communications on the frequencies allocated to AFIS are admitted only within a 15 NM radius of the AD and up to 3000 ft (900 m) AAL.

3.4.1.4 Local competency area

AFIS is provided for AD traffic and vehicular traffic on the manoeuvring area.

3.4.1.5 Provision

AFIS is provided by a certified Air Navigation Service Provider.

GEN 3.4 COMMUNICATION SERVICES**1. Responsible service**

skyguide is responsible for the provision of telecommunication and navigation facilities at the aerodromes of Bern-Belp, Genève, Lugano, Zurich and for all en-route services.

Addresses: REF [GEN 3.3](#), § 6.1 and [GEN 3.3](#), § 6.2 .

At all other aerodromes, the aerodrome operator is responsible for its own aerodrome services.

Addresses: REF AD 2, 2.2 NR 5

Applicable ICAO documents refer to [GEN 1.7](#)

For differences from ICAO Standards, Recommended Practices and Procedures, refer to [GEN 1.7](#)

2. Area of responsibility

OFCOM is charged with frequency assignments for aeronautical communications and navigation facilities (Art. 5 of 784.102.1 "Verordnung über Frequenzmanagement und Funkkonzessionen / Ordonnance sur la gestion des fréquences et les concessions de radiocommunication / Ordinanza sulla gestione delle frequenze e sulle concessioni di radiocomunicazione" of 9 MAR 2007).

3. Types of service**3.1 Radio navigation services**

Radio navigation facilities are listed in [GEN 2.5](#). The service may not be available in parts of the DOC indicated in the remarks columns of [ENR 4.1](#) and AD 2.19 due to topographically limited line-of-sight signal propagation. Locators are listed as NDB.

Frequency range and channel spacing of navigation aids are indicated below where ICAO Standards provide some flexibility for regional or national selection („none” indicates that there is no selection to be made):

Marker		none	
NDB		frequency range (national):	300 - 405 kHz
		spacing (regional):	0.5 kHz (however, ADF receiver tuning capability in 0.5 kHz steps is not required)
ILS	Localizer	channel spacing (regional):	50 kHz
	Glide path	channel spacing (regional):	150 kHz
VOR		channel spacing (regional):	50 kHz
DME		X and Y channels only.	

Navigation aids are subject to periodic flight checks.

At Swiss aerodromes, the ILS backbeam shall not be used.

3.1.1 Compatibility with FM broadcasting stations

Swiss regulations are in compliance with the provisions on interference immunity performance for ILS localizer receivers and for VOR receivers (§ 3.1.4 and 3.3.8 of ICAO Annex 10, Volume I).

Compatibility assessments are carried out by OFCOM assisted by FOCA. They are based on Recommendation ITU-R IS.1009-1 "Compatibility between the sound-broadcasting service in the band of about 87-108 MHz and the aeronautical services in the band 108-137 MHz".

Loran-C is not available in Switzerland. Likewise, no time signals are broadcast for air navigation.

Gaps in GPS signal coverage, as well as harmful interference, may be encountered throughout the entire airspace, but particularly south of the Swiss Alps.

3.2 Voice and/or data link services

3.2.1 Voice services

Continuous protection is maintained of these frequencies/channels during the hours of service of the air traffic services units.

Swiss VHF air-ground facilities will communicate with aircraft in the frequency range and with the channel spacing as indicated below:

Frequency range: 118.000 - 136.975 MHz
Channel spacing: **8.33 kHz and 25 kHz**, REF: [GEN 1.5](#)

Offset carrier systems are used for a number of services, mainly in the lower airspace.

Uncontrolled aerodromes are equipped with non-ATS aeronautical stations and are identified by the Call sign suffix AERODROME (AD). For details see

- [ENR 6.1](#) Radio Facility Index Chart, [GEN 3.3](#);
- VFR Manual COM-1-1.

A radiotelephony operator's licence, issued by the appropriate authorities of the State in which the aircraft is registered, is required for communications with air traffic services units, except for the services listed below. For requirements regarding obtaining an operator's licence in Switzerland, see [GEN 1.6](#), REF 748.222.1.

No radiotelephony operator's licence is required for communications:

- a. between aircraft and AFIS;
- b. on the frequencies allocated for special purposes, see
 - [ENR 5.5](#),
 - [GEN 3.6](#);
- c. by a student pilot
 - with the control tower of the aerodrome at which the instruction is taking place, in so far as he is supervised by his flight instructor,
 - with the air traffic services units used when carrying out his navigation flight during final instruction.

Radiotelephony procedures are contained in [GEN 3.3](#). For phraseology, see ICAO Annex 10, Volume II. For special procedures see also:

- [ENR 5.5](#), glider flying;
- [ENR 5.5](#), free balloon ascents;
- [ENR 1.12](#), interception procedures; and
- [GEN 3.6](#), search and rescue.

Radio contact with military air traffic control shall only be effected on the frequencies published. The use of other military radio frequencies by civil pilots is allowed in cases of distress or urgency only.

Information on the provision of emergency satellite voice calls from aircraft via Inmarsat satellites is contained in AD 2.18 sections where applicable.

3.2.2 Data link services - CPDLC

3.2.2.1 Introduction

The controller-pilot data link communication (CPDLC) application provides a means of communication between the controller and pilot, using data link for ATC communication. This application includes a set of clearance/information/request message elements which correspond to the phraseologies used in the radiotelephony environment.

CPDLC services are available above FL145, as a minimum, within the FIR/UIR Switzerland.

The following CPDLC services are provided in this airspace:

- DLIC (data link initiation capability)
- ACL (ATC clearances and instructions)
- ACM (ATC communications management)
- AMC (ATC microphone check)

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Name-code designator	Coordinates WGS84	ATS route or other route	Terminal area
1	2	3	4
SUVEL	46 09 05.4 N 006 21 03.8 E	Y52	STAR LSGG
SUXAN	46 33 44 N 010 28 45 E	L613, UL613	
TELNO	46 46 19.1 N 007 16 14.9 E	N871, W112	STAR LSZB
TINAM	46 21 36.1 N 006 31 50.0 E	Z62	SID LSGG
TINOX	47 50 07.0 N 009 07 40.0 E		SID LSZR
TIRUL	47 03 26 N 010 31 43 E	Z408	
TITIX	47 51 30 N 008 23 48 E		
TOKDO	46 01 30 N 005 42 40 E	G5	
TORPA	47 28 46 N 006 39 31 E	T10	
TUROM	46 50 31 N 005 57 59 E		
ULGOD	46 28 55 N 009 16 31 E	Z83	
ULMES	46 57 18.1 N 007 17 33.5 E	T627, Z669	STAR LSGG
UMTEX	47 50 15 N 009 37 27 E	Y100	
UMTOP	47 07 38.9 N 007 49 06.2 E	KQ866, KQ868, KY251, KY256	IAC LSHA, IAC LSHL
URIGI	47 03 32 N 008 24 49 E	Z50	
URNAS	47 00 08.4 N 008 38 17.8 E	M858	
USETI	48 03 22 N 008 50 10 E		
UTAVO	46 24 38 N 009 00 33 E	N851	
UVULA	46 46 00 N 009 55 00 E	Test Flight pattern East A9	
VADAR	46 39 26.0 N 006 45 13.0 E	Y58, Z60, Z669	STAR LSGG, STAR LSGS
VADEM	46 43 18 N 006 29 01 E	UL153, UN853	
VALAD	46 56 55.8 N 007 05 22.4 E		IAC LSMP
VALAV	46 37 58 N 010 23 10 E	L613, UL613	

Name-code designator	Coordinates WGS84	ATS route or other route	Terminal area
1	2	3	4
VALBU	46 05 09.7 N 006 29 23.4 E	Y52	STAR LSGG
VALOR	46 03 34.6 N 006 58 25.9 E	Y1, Y223, Y224	STAR LSGS
VEBIT	47 16 07.0 N 008 00 21.0 E	T50, T51, T52, T53, T544	SID LSZH
VEDOK	47 47 24 N 009 07 14 E	N851	
VENAT	46 14 39 N 006 35 48 E	T45, Y223, Z67	
VEROX	46 43 39 N 006 34 24 E	N869	
VEVAR	44 48 00.0 N 007 00 45.0 E		SID LSGG
VIBAX	47 20 50.0 N 008 52 55.9 E	KQ834	MIL PROC LSMD
XAMEX	47 06 00 N 009 32 00 E	Test Flight pattern East A9	
HH704	47 17 15.4 N 007 56 25.0 E		IAC LSHH
HL704	46 58 29.5 N 008 02 43.3 E		IAC LSHL
LS100	46 28 14.5 N 006 43 22.4 E	KY251	
LS103	46 43 11.2 N 006 57 39.1 E	KQ811, KY251	
LS105	46 55 44.0 N 007 28 44.9 E	KQ861, KY251	
LS110	47 12 26.8 N 008 47 38.1 E	KQ833, KY251, KY253	
LS111	47 12 41.6 N 008 57 01.1 E	KQ832, KY251	
LS112	47 19 25.5 N 009 09 02.0 E	KQ834, KY251	
LS201	47 02 15.9 N 008 35 42.6 E	KY252, KY253	
LS202	46 56 00.8 N 008 36 23.1 E	KY252	
LS203	46 53 01.4 N 008 36 42.4 E	KY252	
LS204	46 49 40.6 N 008 38 37.5 E	KY252	
LS205	46 46 45.0 N 008 39 20.8 E	KY252	
LS206	46 41 51.5 N 008 36 05.3 E	KY252	

Figure 2. TRA High

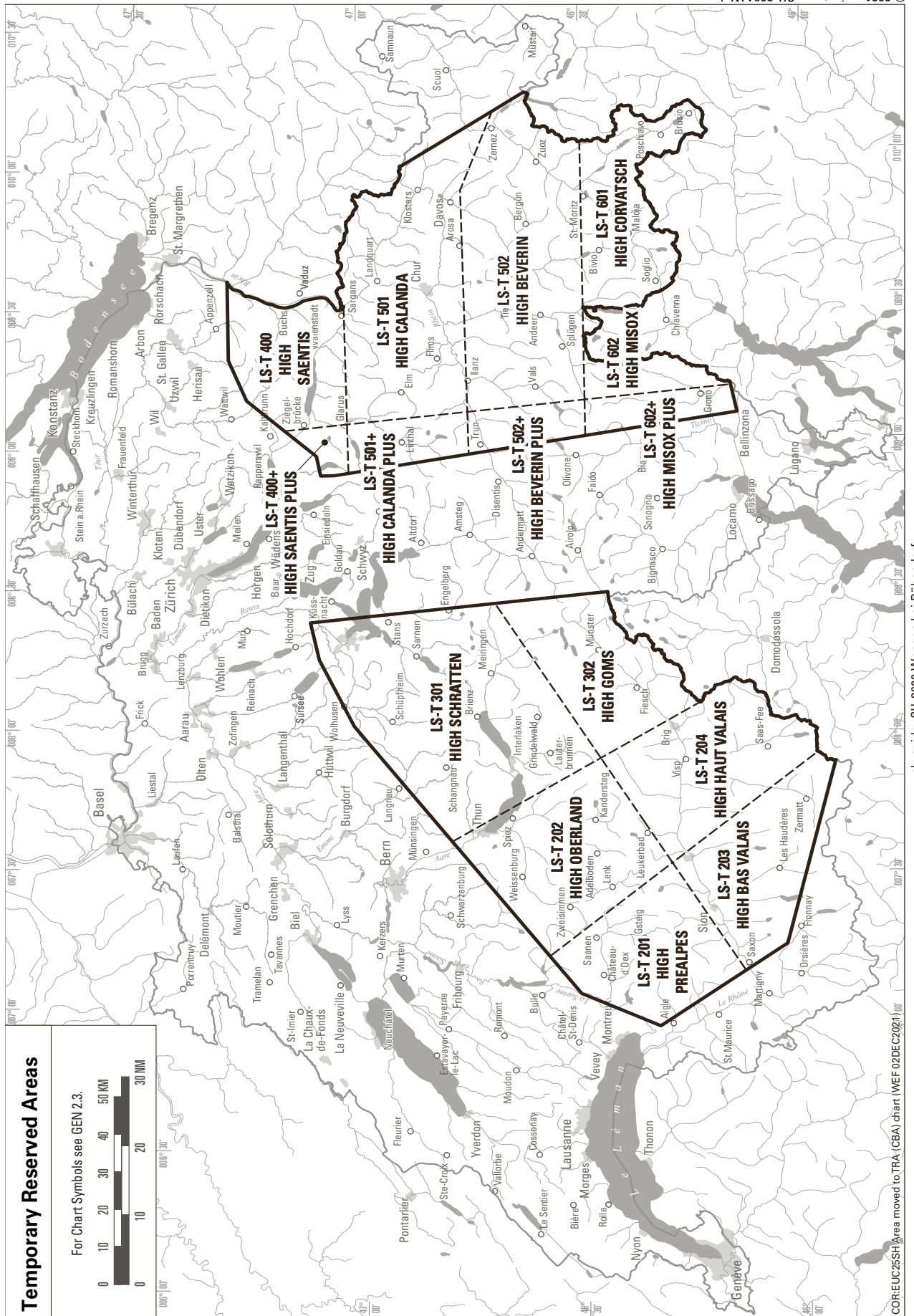
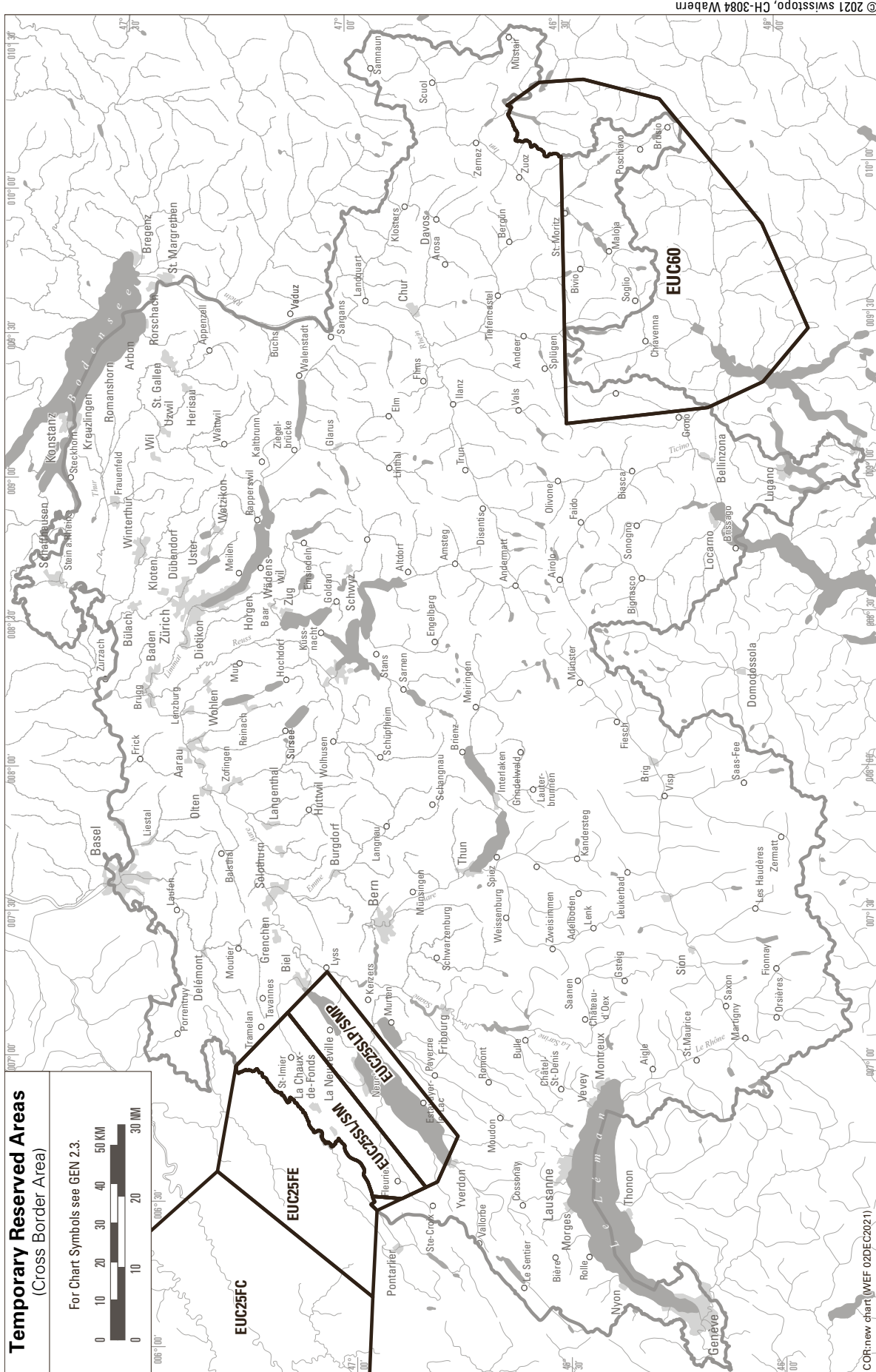
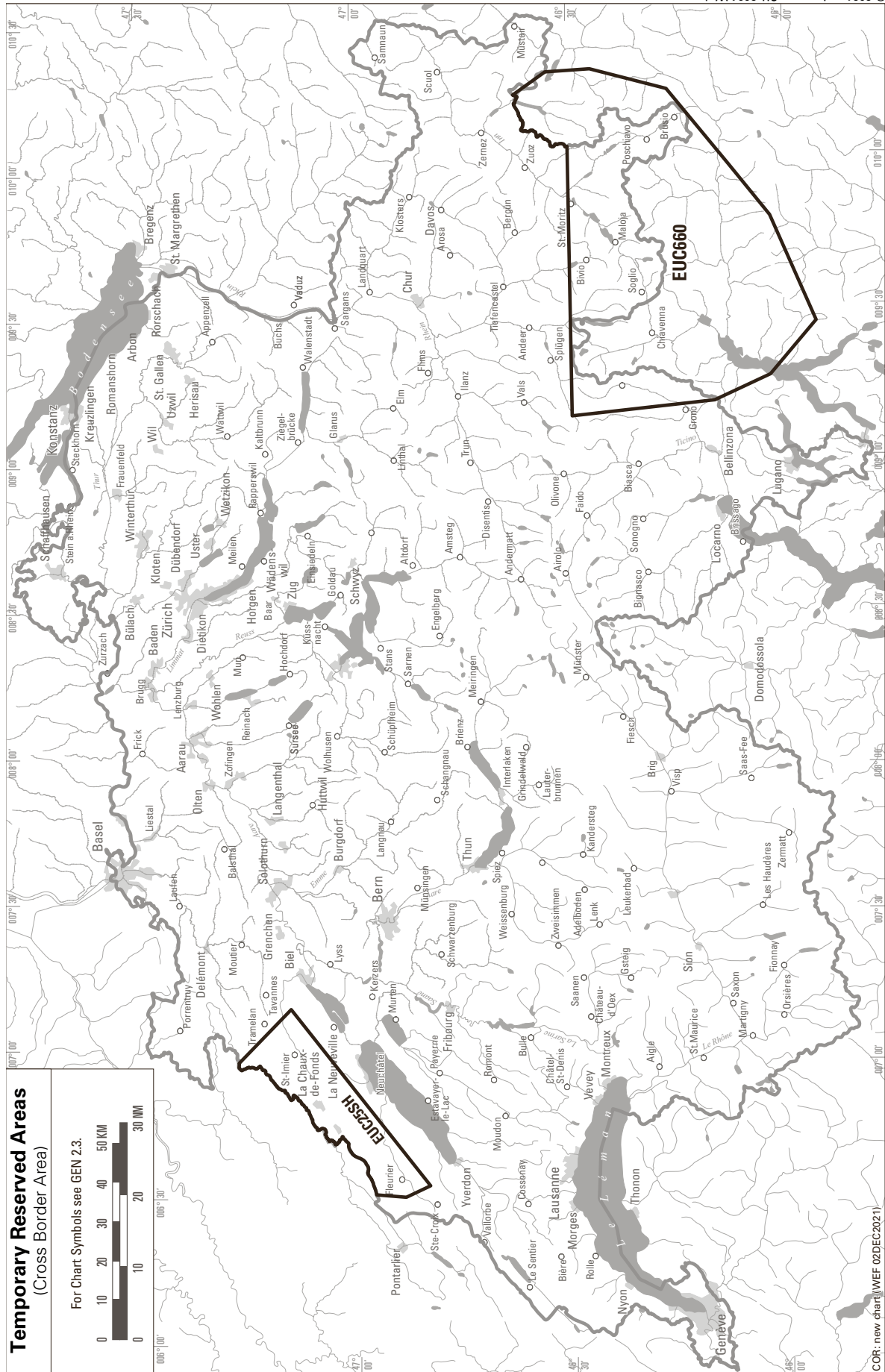


Figure 3. TRA Low (Cross Border Area)



skyguide, CH-8602 Wangen bei Dübendorf

Figure 4. TRA EUC25SH/EUC660 (Cross Border Area)



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LSZB - BERN - BELP

LSZB AD 2.1 AERODROME LOCATION INDICATOR AND NAME

LSZB - BERN - BELP

LSZB AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at Aerodrome	46 54 44N 007 29 58E - Intersection RWY and TWY C
2	Direction and distance from the CITY	6 km SE Bern
3	Elevation/Reference temperature	1675 ft - 23.5°C
4	MAG VAR/Annual change	2° E (2019.5) / 0°11' eastwards
5	AD Administration, address, telephone, telefax, telex, AFS	Post: Flughafen Bern AG Flugplatzstrasse 31 CH-3123 Belp Phone: +41 (0) 31 960 21 11 (Authority) +41 (0) 31 960 21 31 (Ground Services, REQ processed daily 0700 - 1800 (0600 - 1700)) Fax: +41 (0) 31 960 21 12 (Authority) AFS: LSZBYDYX LSZBZPZX (ARO) Email: info@bernairport.ch URL: https://www.bernairport.ch
6	Types of traffic permitted (IFR/VFR)	IFR/VFR
7	Remarks	Geodetic undulation reference for ARP: 163.4 ft

LSZB AD 2.3 OPERATIONAL HOURS

1	AD Administration	Times: For ACFT up to 3.5 tonnes MTOM MON - SUN 0700 - 2000 (0600 - 1900)(TKOF only until 1900 (1800)) For ACFT above 3.5 tonnes MTOM MON - SUN 0700 - 1800 (0600 - 1700) Extension: Extension O/R MNM 3 HR before ETD/ETA by phone +41 (0) 31 960 21 31 Refer to LSZB AD 2.20.1
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)	CTC ARO Zurich; TEL +41 (0) 43 931 61 61
6	MET Briefing Office	AD OPR HR
7	ATS	HX
8	Fuelling	Self-service station: (MAX wingspan 12M) AVGAS 100LL / UL91 0700 - 2000 (0600 - 1900) Fuel trucks: AVGAS 100LL 0700 - 1800 (0600 - 1700) JET A1 0700 - 2000 (0600 - 1900) (after 1800 (1700) only available O/R MNM 3 HR before ETD/ETA by phone +41 (0) 31 960 21 31)
9	Handling	AD OPR HR
10	Security	Security screening / critical part O/R
11	De-icing	AD OPR HR
12	Remarks	NIL

LSZB AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo handling facilities:	Forklift (2000 kg). Nearest railway siding: Kehrsatz 1.8 km Cargo handling including DG (Dangerous Goods) only on request and prior to approval by airport authorities.
2	Fuel/oil types	Jet A1, AVGAS 100 LL, AVGAS UL91 15 W-50
3	Fuelling facilities/capacity	AVGAS 100 LL: 1 Mercedes Benz "A380"- 9000 litres 1 self-service tank - 20000 litres (see LSZB AD 2.20) AVGAS UL91: 1 self-service tank - 9500 litres (see LSZB AD 2.20) Jet A1: 1 Mercedes Benz "070" - 19000 litres 1 Mercedes Benz "071" - 19000 litres No defuelling for regular operations
4	De-icing facilities	OCT 01 - APR 30: available Operator: Flughafen Bern AG De-icing fluids available: Type I = Clariant Safewing MP I 1938 ECO (80) Type II = Clariant Safewing MP II Flight De-icing trucks: 1 JBT Tempest II 1 JBT Tempest AirFirst On stand de-icing: Y3-Y4 CAC: REF LSZB AD 2.20
5	Hangar space available for visiting aircraft	O/R Operator: Flughafen Bern AG Phone: +41 (0) 31 960 21 11 Email: info@bernairport.ch
6	Repair facilities for visiting aircraft	For ACFT up to 5700 kg (major ACFT repairs and major engine repairs): Airmatec Flugplatzstrasse 19 3123 Belp Phone: +41 (0) 31 961 07 07 Email: info@airmatec.ch For HEL (according capability list): Swiss Helicopter Maintenance AG Muristrasse 114a 3123 Belp Phone: +41 (0) 31 818 88 22 Email: info.belp@shm-ag.ch
7	Remarks	Ground handling agent and parking permission: compulsory for scheduled and charter FLT's and all taxi FLT's and non commercial air transport <ul style="list-style-type: none"> • with ACFT above 3.5 tonnes MTOM to and from Schengen destinations • for all ACFT to and from Non-Schengen destinations Ground Services Bern Phone: +41 (0) 31 960 21 31 Fax: +41 (0) 31 960 21 41 SITA: BRNKKXH FREQ: 131.410 MHz (Ground Services Bern) RTF: GROUND SERVICES BERN Email: groundservices@bernairport.ch

LSZB 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 AD
4	Medical facilities	Ambulance O/R; hospital at Belp and in the city O/R
5	Bank and Post Office	Cash dispenser, stamps available at AD within AD OPS HRS
6	Tourist Office	Tourist Office and Convention Bureau of Berne Post: main railway station P.O. Box 3001 Berne CH-3008 Berne Phone: +41 (0) 31 328 12 12 Fax: +41 (0) 31 328 12 77

7	Remarks	Inadmissible persons Due to limited infrastructure AVBL for the custody and care of inadmissible persons such passengers can stay at the facilities of the AP for a period of no longer than 24 hrs . In all circumstances, persons found inadmissible have to be removed by the operator the day after the ARR of such passengers using its own services or by alternate removal arrangements, at the latest. The operator will have to bear all costs in relation to such removal as apportioned to operators in accordance with applicable rules of public international and national law.
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LSZB AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

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

LSZB AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Type(s) of clearing equipment	2 towed jet sweeper, 3 snow ploughs, 1 wiper, 2 RWY de-icers, 2 ACFT de-icers
2	Clearance priorities	1. RWY ASPH 2. TWY C 3. TWY K & F 4. TWY A, B, D 5. Apron 6. Other
3	Remarks	RDF: Basic Solutions Runway De-icing Fluid GEN3 6-4 RWY 14/32 de-icing with GAC (glycerol-/acetatbasic fluids)

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

1	Apron surface and strength	ASPH - PCN up to 46 F/C/X/T GRASS - 0.25 MPa
2	Taxiway width, surface and strength	Widths: TWY A: 7.5 m; TWY B: 15.5 m; TWY C: 18.0 m; TWY D: 10.0 m TWY E: 9.0 m; TWY F: 20.5 m; TWY G: 7.5 m TWY K: BTN TWY B and TWY C: 14.0 m; BTN TWY C and Stand Y7: 16.0 m BTN Stand Y7 and TWY E: 10.0 m; BTN TWY E and TWY F: 18.0 m. Surface: TWY A, B, C, D, F and K: ASPH, PCN 46 F/C/X/T. TWY E: GRASS, max. 5.7 t MTOM. TWY G: GRASS, 0.25 MPa MAX wingspan: TWY A: 13.0 m; TWY B, D: 21.5 m; TWY C, F: 36.0 m; TWY E, G: 15.0 m TWY K: 21.5 m except 34.3 m BTN stand Y3 and stand Y7. MAX outer main gear wheel span: TWY A, E, G: 4.5 m; TWY B: 9.0 m; TWY C: 9.3 m; TWY D: 5.5 m; TWY F: 11.5 m TWY K: BTN TWY B and TWY C: 8.3 m; BTN TWY C and Stand Y7: 9.3 m. BTN stand Y7 and TWY E: 6.0 m; BTN TWY E and TWY F: 9.3 m.
3	ACL location and elevation	At apron / 510 m / 1673 ft
4	VOR/INS checkpoints	NIL
5	Remarks	NIL

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

LSZB 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 14 (1)	Pole 1682	46 54 24 N 007 30 23 E	Antenna LGTD 1873	46 53 45 N 007 29 45 E	
AOC 14 (2)	Antenna 1684	46 54 22 N 007 30 19 E	Antenna marked/LGTD 1703	46 55 02 N 007 29 39 E	
AOC 14 (3)	Antenna 1692	46 54 22 N 007 30 20 E	Antenna 2044	46 54 52 N 007 30 49 E	
AOC 14 (4)	Antenna 1693	46 54 22 N 007 30 20 E	Pole marked/LGTD 1741	46 54 16 N 007 30 21 E	B1012/09
AOC 14 (5)	Building 1713	46 54 13 N 007 30 42 E	Antenna 2018	46 56 06 N 007 29 26 E	
AOC 14 (6)	Building 1718	46 54 13 N 007 30 43 E	Tree/Trees 1729	46 55 08 N 007 29 20 E	
AOC 14 (7)	Tree/Trees 1722	46 54 13 N 007 30 44 N	Tree/Trees 1713	46 54 32 N 007 29 45 E	
AOC 14 (8)	Building 1726	46 54 13 N 007 30 45 E	Antenna LGTD 2500	46 56 56 N 007 30 08 E	
AOC 14 (9)	High Voltage line 1757	46 54 03 N 007 30 37 E	Antenna marked/LGTD 2697	46 52 57 N 007 31 14 E	
AOC 14 (10)	Tree/Trees 1901	46 53 06 N 007 31 31 E			
AOC 14 (11)	Tree/Trees 1927	46 53 00 N 007 31 37 E	Chimney LGTD 2037	46 55 56 N 007 30 37 E	
AOC 14 (12)	Tree/Trees 1935	46 52 57 N 007 31 39 E	Antenna marked/LGTD 3351	46 54 02 N 007 26 03 E	B0107/09

LSZB 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 FCST charts AVBL worldwide
8	Supplementary equipment available for providing information	Weather radar, InfoNet-Terminal
9	ATS units provided with information	Bern TWR / APP
10	Additional information (limitation of service, etc.)	TEL: Weather briefing: 0900 162 737 (Ge); accessible within Switzerland

LSZB 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
14	140° GEO 138° MAG	1730 x 30	PCN 46/F/C/X/T ASPH	46 55 04.58N 007 29 32.98E	1668 ft	+0.15%
32	320° GEO 318° MAG			46 54 26.60N 007 30 19.30E	1675 ft	-0.15%
14R	140° GEO 138° MAG	650 x 30	0.25 MPa GRASS	NIL	NIL	NIL
32L	320° GEO 318° MAG					
16 GLD	161° GEO 159° MAG	520 x 30	0.25 MPa GRASS	NIL	NIL	NIL
34 GLD	341° GEO 339° MAG					

Designations RWY NR	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ	Remarks
1	8	9	10	11	12
14	NIL	60 x 150	1850 x 150	NIL	RWY Strip and RESA dimensions according to non-instrument RWY criteria. RESA: 90 m (both sides) Grooved 1730 m (full RWY length)
32		NIL			RWY Strip and RESA dimensions according to non-instrument RWY criteria. RESA: 90 m (both sides) Grooved 1730 m (full RWY length)
14R	NIL	NIL	710 x 60	Not applicable	GRASS: Availability according to ATIS No RESA provided (both sides)
32L					
16 GLD	NIL	NIL	580 x 60	Not applicable	Glider Runway: PPR; for the opening, contact Airport Authority No RESA provided (both sides) Use only after prior instruction by the responsables of the "Segelflugguppe Bern"
34 GLD					

LSZB AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
14	1730	1790	1730	1530	Full length
	1090	1150	1090	Not applicable	Intersection ALPHA
	910	970	910		Intersection BRAVO
32	1730	1730	1730	1730	Full length
	1270	1270	1270	Not applicable	Intersection DELTA
	1490	1490	1490		Intersection ECHO (ACFT MTOM 5.7 t)
	1510	1510	1510		Intersection FOXTROTT
14R	650	650	650	650	Grass Runway: availability according to ATIS
32L	650	650	650	650	
16 GLD	Not applicable	Not applicable	Not applicable	Not applicable	Glider Runway
34 GLD					

LSZB 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
14	Calvert 660 m, LIH	RTHL G LIH RTIL FLG W	PAPI 4.0° L (13.07 m)	Simple TZL 621 m FM THR 14, W, LIH	NIL	200 m, 60 m R, LIH/LIL; 954 m, 60 m, W, LIH/LIL; 576 m, 60 m, Y, LIH/LIL	R	NIL	Turn pad LGT, B, LIL
32	NIL	RTHL G LIH WBAR RTIL FLG W	PAPI 3.4° L (12.78 m)	Simple TZL 622 m FM THR 32, W, LIH		1154 m, 60 m, W, LIH/LIL; 576 m, 60 m, Y, LIH/LIL	R	NIL	Turn pad, LGT, B, LIL

TZL: 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.

LSZB AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	NIL
2	LDI location and LGT Anemometer location and LGT	NIL
3	TWY edge and centre line lighting	TWY C + F edge LGT
4	Secondary power supply/switch-over time	AVBL / 12 sec
5	Remarks	Obstruction marking and lighting: partly

LSZC AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM, MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Guidance sign boards, TWY CL
2	RWY/TWY markings and LGT	RWY, TWY and holding position markings
3	Stop bars	NIL
4	Remarks	NIL

LSZC 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 24 (1)	Tree/Trees	1517	46 58 14 N 008 22 57 E	Crane/Cranes marked/LGTD	1523	46 58 43 N 008 24 52 E	B0365/14
AOC 24 (2)	Tree/Trees	1521	46 58 07 N 008 22 55 E	Silo LGTD	1468	46 58 44 N 008 24 50 E	B1468/19
AOC 24 (3)	Tree/Trees	1528	46 58 05 N 008 22 52 E	Crane/Cranes marked/LGTD	1681	46 59 10 N 008 24 39 E	B0670/21
AOC 24 (4)	Building	1649	46 57 25 N 008 21 23 E	Crane/Cranes marked/LGTD	1616	46 57 34 N 008 21 55 E	B0976/21
AOC 24 (5)	Power line	1698	46 57 23 N 008 21 19 E				
AOC 24 (6)	Tree/Trees	1706	46 57 22 N 008 21 11 E				
AOC 24 (7)	Pole	1929	46 57 18 N 008 20 57 E				
AOC 24 (8)	Tree/Trees	2163	46 57 11 N 008 20 50 E				
AOC 24 (9)	Tree/Trees	2278	46 56 57 N 008 20 17 E				
AOC 24 (10)	Tree/Trees	2316	46 57 19 N 008 19 18 E				
AOC 24 (11)	Pole	2838	46 57 17 N 008 19 10 E				
AOC 24 (12)	Tree/Trees	2860	46 57 17 N 008 19 10 E				
AOC 24 (13)	Pole	2868	46 57 17 N 008 19 09 E				
AOC 24 (14)	Antenna	2934	46 57 17 N 008 19 09 E				

LSZC AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	MeteoSwiss
2	Hours of service	H24
3	Office responsible for TAF preparation Periods of validity	MeteoSwiss, Zurich 9 hours
4	Type of landing forecast	Trend; issuance: HH+20, HH+50
5	Briefing/consultation provided	Self Briefing Service (www.skybriefing.com)
6	Flight documentation Language(s) used	-- En
7	Charts and other information available for briefing or consultation	NIL
8	Supplementary equipment available for providing information	NIL
9	ATS units provided with information	ATS Buochs
10	Additional information (limitation of service, etc.)	Tel weather briefing: 0900 162 737 (GE), accessible within Switzerland

LSZC AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE & MAG BRG	Dimensions of RWY (m)	Strength (PCN) and surface of RWY and SWY	THR COORD	THR elevation and highest elevation of TDZ of precision APP RWY	Slope of RWY-SWY
1	2	3	4	5	6	7
06	064/062	2000 X 40	PCN 45/F/B/X/U ASPH	46 58 14.63 N 008 23 08.89 E	1475 ft	-0.6%
24	244/242			46 58 40.91 N 008 24 28.97 E	1435 ft	+0.6%

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

LSZC AD 2.13 DECLARED DISTANCES

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

LSGC 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	054° GEO 052° MAG	1090 x 27	PCN 20 F/C/Y/T ASPH	47 04 52.89N 006 47 15.95E	3368 ft	AVG -0.746%
24	234° GEO 232° MAG			47 05 12.22N 006 47 55.32E	3346 ft	AVG +0.746%

MAG VAR at LSGC leads to a RWY designator, which is outside the rounding tolerance of the MAG BRG.

(Slopes: longitudinal profile of the runway) REF: LSGC AD 2.24.1 - 1

Designations RWY NR	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ	Remarks
1	8	9	10	11	12
06	NIL	60	1150 x 60	NIL	Non-instrument RWY Pavement surface width 30m RESA: 30 m Grooved
24	NIL	30		NIL	Non-instrument RWY Pavement surface width 30m RESA: 30 m Grooved

LSGC AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
06	1090	1150	1090	1054	Additional 40 m starter extension available, subject to Airport Authority approval
24	1090	1120	1090	1059	Additional 54 m starter extension available, subject to Airport Authority approval

LSGC 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	Remarks
1	2	3	4	5	6	7	8	9	10
06	NIL	RTHL G, LIH	APAPI 4.3° L 9.5 m	NIL	NIL	37 m, 80 m, R, LIH; 688 m, 80 m, W, LIH; 365 m, 80 m, Y, LIH	R, LIH	NIL	NIL
24	SALS 420 m LIH	RTHL G, LIH	APAPI 3.83° L 8.4 m	NIL	NIL	30 m, 80 m, R, LIH; 695 m, 80 m, W, LIH; 365 m, 80 m, Y, LIH	R, LIH	NIL	NIL

LSGC 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	Obstruction marking and lighting

LSGC AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO	NIL
2	TLOF and/or FATO elevation M/FT	1026 m / 3366 ft
3	TLOF and FATO area dimensions, surface, strength, marking	FATO on RWY 06/24, ASPH, PCN 20 F/C/Y/T. No specific marking
4	True and MAG BRG of FATO	RWY 06: 054° GEO / 052° MAG RWY 24: 234° GEO / 232° MAG
5	Declared distance available	See: LSGC AD 2.13 for RWY 06/24
6	APP and FATO lighting	RWY LGT
7	Remarks	APCH via RWY and air taxi to apron. Follow ATC instruction.

LSGC AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	Les Eplatures CTR 47 00 51N 006 38 53E - along Swiss BDRY - 47 03 27N 006 42 31E - 47 03 47N 006 42 43E - 47 07 31N 006 49 40E - 47 10 44N 006 56 02E - 47 08 08N 006 58 27E - 47 06 00N 006 52 15E - 47 01 47N 006 47 30E - 46 58 51N 006 43 11E - 47 00 51N 006 38 53E
2	Vertical limits	6500 ft
3	Airspace classification	D
4	ATS unit call sign Language(s)	Les Eplatures TWR: En, Fr
5	Transition altitude	7000 ft
6	Remarks	ACT: HX

LSGG 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
04	046° GEO 044° MAG	3900 x 50	PCN 81 R/B/W/T CONC	46 13 40.23N 006 05 38.24E	1411 ft	Refer to: AOC RWY 04/22
22	226° GEO 224° MAG			46 15 01.30N 006 07 37.22E	1365 ft	

Designations RWY NR	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ	Remarks
1	8	9	10	11	12
04	NIL	60	4020 x 300	NIL	Precision approach RWY CAT I Grooved surface RESA: 90 m.
22		60			Precision approach RWY CAT III b Grooved surface RESA: 90 m.

LSGG AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
04	3900	3960	3900	3570	Full length
	3570	3630	3570	3570	From DTHR 04
	3200	3260	3200	not applicable	Intersection FOXTROTT
	2600	2660	2600		Intersection ECHO
	2750	2810	2750		Intersection ZULU
	1850	1910	1850		Intersection CHARLIE
	1870	1930	1870		Intersection YANKEE
22	3900	3960	3900	3900	Full length
	2600	2660	2600	not applicable	Intersection BRAVO
	2000	2060	2000		Intersections YANKEE/CHARLIE
	1140	1200	1140		Intersection ZULU

Note: RWY 22, limited runway end safety area provided.

LSGG 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
04 CONC	Calvert CAT I, 720m, LIH	RTHL G, LIH, WBAR; RTIL FLG W	PAPI 3.0°, L, 18.50m	NIL	3000m, 15m, W, LIH; 600m, 15m, R/W, LIH; 300m, 15m, R, LIH	330m, 30m R, LIH; 2970m, 30m, W, LIH; 600m, 30m, Y, LIH	R, LIH	NIL	NIL
22 CONC	Calvert CAT II/III, 900m, LIH	RTHL G, LIH, WBAR; RTIL FLG W	PAPI 3.0°, L, 20.56m	900m, LIH		3300m, 30m, W, LIH; 600m, 30m, Y, LIH	R, LIH	NIL	See note below

Note: Supporting structures for RWY 22 elevated approach lights are non-frangible.

LSGG 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; Apron area, RWY exits, TWY curves. CL: LIH, G; coded Y/G on ILS critical/sensitive areas; TWY A, B, D, E, G, OUTER, INNER, LINK 0,1,2,3,4,5 and holding bays A and G. RETIL: LIH, Y; TWY B, D and E RGL: TWY A*, B, C, D, E, F, G*, Y and Z (* across TWY) Apron + Stop bars: refer to LSGG AD 2.24
4	Secondary power supply/switch-over time	Yes / CAT I: MAX 1s; CAT II/III: MAX 1s
5	Remarks	Obstacle marking and lighting

LSGG AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO	NIL
2	TLOF and/or FATO elevation M/FT	TLOF: 421 m / 1382 ft
3	TLOF and FATO area dimensions, surface, strength, marking	TLOF: 6 HEL stands, ASPH, yellow numbered circles. HEL stands 1 and 3 to 6: MAX overall dimension 17 m, MAX rotor diameter 14 m ALTN HEL stand 2: MAX overall dimension 19 m, MAX rotor diameter 16 m. FATO: not explicitly defined, use nearby TWY Y, CTN to the taxiing TFC.
4	True and MAG BRG of FATO	NIL
5	Declared distance available	NIL
6	APP and FATO lighting	NIL
7	Remarks	Simultaneous hover operations on HEL stands are not allowed.

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		3	
1				2		3	
RWY/Area affected	Obstacle type Elevation Markings/LGT	Co-ordinates	Obstacle type Elevation Markings/LGT	Co-ordinates	RMK		
a	b	c	a	b	c		
		ft		ft			
AOC 06 (1)	Pole	1409	47 11 00 N 007 25 24 E	Chimney marked/LGTD	1700	47 08 46 N 007 32 49 E	B0471/02
AOC 06 (2)	Pole	1410	47 11 01 N 007 25 23 E	Pole marked	1437	47 10 45 N 007 24 54 E	B0362/07
AOC 06 (3)	Tree/Trees	1437	47 11 02 N 007 25 24 E				
AOC 06 (4)	Tree/Trees	1453	47 11 03 N 007 25 51 E	Anemometer marked/LGTD	4054	47 12 24 N 007 20 33 E	B0463/09
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					

LSZA AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Type(s) of clearing equipment	Snow removal vehicles: 1 RWY de-icer, 1 ACFT de-icer
2	Clearance priorities	RWY, TWY, then apron
3	Remarks	All seasons: RWY / TWY / apron: De-iced / Anti-iced with KFOR (potassium formate fluids)

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

1	Apron surface and strength	ASPH - PCN 30/F/B/W/T
2	Taxiway width, surface and strength	TWY M and N: MNM 18.6 m (DH8D OPS); TWY L: 15 m ASPH - PCN 30/F/B/W/T
3	ACL location and elevation	Apron 902 ft (275 m)
4	VOR/INS checkpoints	NIL
5	Remarks	Slopes on Apron partially exceeding 1%

LSZA 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	ACFT stand identification markings: Lead-in, stop and lead-out lines. Apron safety lines. Taxiing and parking procedures: see LSZA AD 2.24.2 - 1
2	RWY/TWY markings and LGT	RWY markings: D-THR, designation, aiming point, touchdown zone and centre line. RWY LGT: see LSZA AD 2.14 TWY markings: Centre line and intermediate holding positions; RWY holding position, enhanced TWY centre line and mandatory instruction at all intersections with RWY. TWY LGT: Edge lights on TWY L, M and N. Runway guard lights on TWY M and N. Mandatory instruction signs at all RWY holding positions. Information signs on the movement area. No RWY turn pad centre line lights provided.
3	Stop bars	NIL
4	Remarks	NIL

LSZA 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 01 (1)	Pole	934	46 00 37 N 008 54 46 E	Antenna LGTD	1020	46 00 09 N 008 54 23 E	
AOC 01 (2)	Pole	943	46 00 37 N 008 54 46 E	Crane/Cranes marked/LGTD	989	46 00 18 N 008 54 48 E	B1216/21
AOC 01 (3)	Pole	954	46 00 38 N 008 54 45 E	Tower/Mast LGTD	945	46 00 03 N 008 54 36 E	
AOC 01 (4)	Pole	970	46 00 41 N 008 54 46 E	Antenna LGTD	1529	46 02 15 N 008 56 20 E	
AOC 01 (5)	Building	980	46 00 44 N 008 54 47 E	Antenna LGTD	1526	46 00 39 N 008 55 32 E	B0555/01
AOC 01 (6)	Pole	983	46 00 47 N 008 54 49 E	Telephone line	45 m AGL	45 59 36 N 008 50 13 E - 45 59 36 N 008 50 06 E	B0016/02
AOC 01 (7)	Building	985	46 00 48 N 008 54 48 E	Tower marked/LGTD	998	46 00 16 N 008 54 31 E	B0121/02
AOC 01 (8)	Building	996	46 00 49 N 008 54 49 E	Tower LGTD	974	46 00 43 N 008 54 54 E	B0043/04
AOC 01 (9)	Tree/Trees	1025	46 01 08 N 008 55 06 E	Silo	965	46 00 53 N 008 54 59 E	B0480/05
AOC 01 (10)	Building	1040	46 01 19 N 008 55 12 E	Power line	72 m AGL	45 59 18 N 008 52 23 E - 45 59 18 N 008 52 38 E	B0617/05
AOC 01 (11)	Tree/Trees	1069	46 01 38 N 008 55 03 E	Pole LGTD	2366	46 02 43 N 008 57 44 E	B0471/07
AOC 01 (12)	Power line	1100	46 01 37 N 008 55 22 E	Pole LGTD	1752	45 57 49 N 008 52 56 E	B0470/07
AOC 01 (13)	Power line	1113	46 01 40 N 008 55 16 E	Pole LGTD	1886	46 02 58 N 008 55 54 E	B0469/07
AOC 01 (14)	Power line	1137	46 01 45 N 008 55 12 E				
AOC 01 (15)	Power line	1155	46 01 42 N 008 55 24 E	Pole marked/LGTD	989	46 00 13 N 008 54 28 E	B0099/09
AOC 01 (16)	Tree/Trees	1214	46 01 57 N 008 56 08 E	Pole LGTD	1825	46 01 28 N 008 56 46 E	B1145/09
AOC 01 (17)	Tree/Trees	1228	46 02 05 N 008 56 11 E	Pole LGTD	1914	45 58 27 N 008 54 48 E	B1144/09
AOC 01 (18)	Antenna	1520	46 02 15 N 008 56 20 E	Power line marked	90 m AGL	46 05 32 N 009 03 11 E - 46 05 33 N 009 02 51 E	C0366/05
AOC 01 (19)	Tree/Trees	1555	46 02 24 N 008 56 52 E	Cable CW	80 m AGL	46 03 52 N 008 55 12 E - 46 03 43 N 008 54 43 E	B0054/06
AOC 01 (20)	Tree/Trees	1660	46 02 21 N 008 56 58 E	Building	3m AGL	46 00 41 N 008 54 49 E	B0131/07
AOC 01 (21)	Building	1664	46 02 19 N 008 57 04 E	Chimney LGTD	25 m AGL	46 01 15 N 008 55 00 E	B0130/07
AOC 01 (22)	Tree/Trees	1815	46 02 19 N 008 57 11 E	Antenna marked, LGTD	5414	45 55 35 N 009 00 54 E	B0733/08

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
		<i>ft</i>			<i>ft</i>		
AOC 19 (1)	Pole	914	45 59 54 N 008 54 23 E	Pole LGTD	1931	46 01 52 N 008 54 48 E	B1143/09
AOC 19 (2)	Pole	924	45 59 51 N 008 54 30 E	Pole LGTD	1518	46 01 13 N 008 57 03 E	B1331/11
AOC 19 (3)	Pole	924	45 59 52 N 008 54 22 E				
AOC 19 (4)	Tree/Trees	938	45 59 48 N 008 54 29 E				
AOC 19 (5)	Tree/Trees	947	45 59 45 N 008 54 27 E				
AOC 19 (6)	Tree/Trees	990	45 58 51 N 008 53 39 E				
AOC 19 (7)	Tree/Trees	1009	45 58 50 N 008 53 39 E				
AOC 19 (8)	Tree/Trees	1041	45 58 24 N 008 54 04 E				
AOC 19 (9)	Tree/Trees	1130	45 58 21 N 008 54 04 E				
AOC 19 (10)	Tree/Trees	1142	45 58 15 N 008 54 02 E				
AOC 19 (11)	Tree/Trees	1162	45 58 15 N 008 54 02 E				
AOC 19 (12)	Tree/Trees	1234	45 57 47 N 008 53 12 E				
AOC 19 (13)	Tree/Trees	1289	45 57 47 N 008 53 11 E				
AOC 19 (14)	Tree/Trees	1353	45 57 12 N 008 53 06 E				
AOC 19 (15)	Tree/Trees	1578	45 57 10 N 008 53 05 E				
AOC 19 (16)	Tree/Trees	1641	45 56 32 N 008 54 22 E				
AOC 19 (17)	Tree/Trees	2121	45 56 21 N 008 54 23 E				
AOC 19 (18)	Tree/Trees	2130	45 56 17 N 008 54 23 E				
AOC 19 (19)	Tree/Trees	2161	45 56 17 N 008 54 23 E				
Refer also to LSZA AOC 01/19, LSZA AD 2.24.4							

LSZA 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, Locarno 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, It
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	Lugano TWR
10	Additional information (limitation of service, etc.)	TEL: Weather briefing: 0900 162 737 (Ge), 0900 162 767 (Fr); accessible within Switzerland

LSZA 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
01 ¹⁾	019° 017°	1415 x 30	PCN 40/F/B/W/T ASPH	45 59 58.17N 008 54 29.68E	900 ft	Refer to: LSZA AOC 01/19
19 ¹⁾	199° 197°			46 00 29.60N 008 54 45.07E	915 ft	

¹⁾ Designation changed to avoid mix-up.

Designations RWY NR	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ	Remarks
1	8	9	10	11	12
01 ¹⁾	NIL	NIL	1535 x 80	NIL	Runway strip and RESA dimensions according to non-instrument runway criteria Grooved 1415 m RESA: 30 m
19 ¹⁾		60			Runway strip and RESA dimensions according to non-instrument runway criteria Grooved 1415 m RESA: 30 m

¹⁾ Designation changed to avoid mix-up.

LSZA AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
01	1345	1345	1415	1305	No turn pad at the beginning of RWY
	1025	1025	1095	Not applicable	Intersection MIKE
19	1415	1475	1415	1135	Turn pad at the beginning of RWY
	940	1000	940	Not applicable	Intersection ZULU
	695	755	695	Not applicable	Intersection NOVEMBER

DER RWY 01 is located 70 m before runway end respective RENL 01 due to obstacles in the immediate departure area.

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		3
1			2		3
RWY/Area affected	Obstacle type Elevation Markings/LGT	Co-ordinates	Obstacle type Elevation Markings/LGT	Co-ordinates	RMK
a	b	c	a	b	c
		<i>ft</i>		<i>ft</i>	
AOC 05 (1)	Pole	1462 46 51 08 N 006 55 41 E	Pole marked/LGTD	1562 46 51 00 N 006 55 14 E	B0543/21
AOC 05 (2)	Pole	1466 46 51 08 N 006 55 41 E	Crane/Cranes marked/LGTD	1575 46 51 03 N 006 55 21 E	B0843/21
AOC 05 (3)	Pole	1475 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	1478 46 51 09 N 006 55 54 E			
AOC 05 (5)	Tree/Trees	1493 46 51 15 N 006 56 09 E			
AOC 05 (6)	Tree/Trees	1518 46 51 16 N 006 56 09 E			
AOC 23 (1)	Pole	1474 46 50 08 N 006 54 03 E			
AOC 23 (2)	Pole	1482 46 50 05 N 006 54 02 E			
AOC 23 (3)	Pole	1486 46 50 00 N 006 53 58 E			
AOC 23 (4)	Pole	1512 46 49 53 N 006 53 35 E			
AOC 23 (5)	Tree/Trees	1517 46 49 50 N 006 53 36 E			
AOC 23 (6)	Tree/Trees	1535 46 49 50 N 006 53 34 E			

In approach/TKOF areas				In circling area and at aerodrome		
1				2		
RWY/Area affected	Obstacle type Elevation Markings/LGT	Co-ordinates		Obstacle type Elevation Markings/LGT	Co-ordinates	RMK
a	b	c		a	b	c
		<i>ft</i>			<i>ft</i>	
AOC 23 (7)	Tree/Trees	1541	46 49 48 N 006 53 32 E			
AOC 23 (8)	Tree/Trees	1548	46 49 47 N 006 53 26 E			
AOC 23 (9)	Tree/Trees	1558	46 49 48 N 006 53 24 E			
AOC 23 (10)	Power line	1582	46 49 32 N 006 53 15 E			
AOC 23 (11)	Tree/Trees	1634	46 49 15 N 006 53 05 E			
AOC 23 (12)	Tree/Trees	1640	46 49 14 N 006 52 58 E			
AOC 23 (13)	Tree/Trees	1697	46 48 56 N 006 51 54 E			
AOC 23 (14)	Tree/Trees	1700	46 49 00 N 006 51 49 E			
AOC 23 (15)	Tree/Trees	1730	46 48 38 N 006 52 15 E			
AOC 23 (16)	Tree/Trees	1754	46 48 35 N 006 52 12 E			
AOC 23 (17)	Tree/Trees	1784	46 48 39 N 006 52 00 E			
AOC 23 (18)	Tree/Trees	1805	46 48 33 N 006 52 06 E			
AOC 23 (19)	Tree/Trees	1858	46 48 40 N 006 51 57 E			
AOC 23 (20)	Tree/Trees	1879	46 48 42 N 006 51 53 E			
AOC 23 (21)	Tree/Trees	1921	46 48 39 N 006 51 52 E			
AOC 23 (22)	Tree/Trees	1959	46 48 35 N 006 51 47 E			
AOC 23 (23)	Tree/Trees	1999	46 48 34 N 006 51 40 E			
AOC 23 (24)	Tree/Trees	2015	46 48 21 N 006 51 47 E			
AOC 23 (25)	Antenna	2078	46 48 02 N 006 51 15 E			

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	
		<i>ft</i>			<i>ft</i>		
AOC 10 (1)	Pole	1307	47 29 05 N 009 34 14 E	Pole LGTD	1323	47 29 11 N 009 32 54 E	B0719/06
AOC 10 (2)	Building	1314	47 29 00 N 009 34 14 E	Antenna LGTD	1342	47 29 06 N 009 33 16 E	B0167/04
AOC 10 (3)	Antenna	1322	47 29 00 N 009 34 14 E	Pole marked/LGTD	1339	47 29 01 N 009 34 00 E	B1310/13
AOC 10 (4)	Tree/Trees	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				
AOC 10 (6)	Tree/Trees	1337	47 28 57 N 009 34 30 E				
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
28		60 x 150			Non-instrument RWY RESA: 30 m
10 GRASS	NIL	NIL	870 x 60	N/A	Grooved between DTHR (1325 m)
28 GRASS					Grooved between DTHR (1325 m)
					NIL

LSZS 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
03	029° GEO 026° MAG	1840 x 40	PCN 30 F/C/X/U	46 31 37.28N 009 52 41.13E	5602 ft	refer to: LSZS AOC RWY 03/21
21	209° GEO 206° MAG			46 32 26.27N 009 53 20.85E	5573 ft	

Designations RWY NR	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ	Remarks
1	8	9	10	11	12
03	NIL	NIL	1960 x 80	NIL	Non-instrument RWY
21					Non-instrument RWY

LSZS AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
03	1840 m	1840 m	1840 m	1840 m	NIL
21	1840 m	1840 m	1840 m	1730 m	NIL

LSZS AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ LGT LEN	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
03	NIL	NIL	PAPI 4.49°, R, (13.67 m)	NIL	NIL	NIL	NIL	NIL	1)
21	NIL	NIL	PAPI 4.4°, L, (8.27 m)	NIL	NIL	NIL	NIL	NIL	2)

- 1) PAPI 03 light beam offset 5° west from runway axis. ICAO obstacle protection surface penetrated by a hill between ZS705 and THR 03.
2) PAPI 21 light beam offset 5° east from runway axis.

LSZS 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	AVBL / < 1sec
5	Remarks	NIL

LSZS AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO	FATO (aiming point): 46 31 52.98 N 009 52 53.88 E
2	TLOF and/or FATO elevation M/FT	5600 ft / 1707 m
3	TLOF and FATO area dimensions, surface, strength, marking	HEL with overall LEN <13 m or an overall WID <11 m TLOF: Whole year 5 HEL CONC/ASPH, 5000 kg, white marked circles with a diameter of 6.5 m; Winter only: 7 additional HEL stands, SNOW, 5000 kg, blue marked circles with a diameter of 6.5 m. FATO: 40 x 40 m, ASPH, 5000 kg, aiming point marked on RWY 03/21. HEL with overall LEN >13 m or an overall WID >11 m TLOF: Parking on main apron with marshaller FATO: 1840 x 40 m, ASPH, 5000 kg, aiming point marked on RWY 03/21.
4	True and MAG BRG of FATO	029°/026° - 209°/206°
5	Declared distance available	REF: VFR Manual Samedan HEL AD INFO, § 10
6	APP and FATO lighting	NIL
7	Remarks	REF: VFR Manual Samedan HEL AD INFO 7 HEL with overall LEN >13 m or an overall WID >11 m use VAC ARRIVAL and VAC DEPARTURE for operations on paved RWY. PPR TEL +41 (0) 81 851 08 51 PPR FAX +41 (0) 81 851 08 59 Email: handling@engadin-airport.ch - contact AFISO (AD Flight Information Service Officer) for start-up - report crossing of IFR APCH and DEP route to AFIS

LSZS AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	FIZ SAMEDAN 46 34 46 N / 009 53 01 E - Arc of circle clockwise with radius 2.70 NM, centred on 46 32 04 N / 009 53 02 E - 46 33 23 N / 009 56 27 E - 46 32 35 N / 009 55 59 E - 46 29 23 N / 009 52 36 E - Arc of circle clockwise with radius 2.70 NM, centred on 46 32 04 N / 009 53 02 E - 46 31 15 N / 009 49 18 E - 46 34 46 N / 009 53 01 E
2	Vertical limits	10'000 ft AMSL (3050 m)
3	Airspace classification	G (at and below 2000 ft AGL); E (above 2000 ft AGL)
4	ATS unit call sign Language(s)	AFIS: En
5	Transition altitude	16'000 ft AMSL
6	Remarks	NIL

LSZS AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of Operation	Remarks
1	2	3	4	5
AFIS	Samedan Info	135.325 MHz	HO	NIL
ATIS		136.600 MHz	HO	Phone Service +41 (0) 81 834 93 24
CLR DEL	Samedan Delivery	121.880 MHz	HX	Start-up clearance. Check status on ATIS

LSZS 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						

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 (6)	Building	1600	46 12 59 N 007 18 39 E	Chimney LGTD	1629	46 13 30 N 007 20 55 E	B1240/13
AOC 25 (7)	Building	1602	46 13 00 N 007 18 36 E	Tower/Mast LGTD	1613	46 13 07 N 007 19 49 E	B0629/05
AOC 25 (8)	Building	1608	46 13 00 N 007 18 35 E				
AOC 25 (9)	Pole	1628	46 13 00 N 007 18 30 E	Crane/Cranes marked/LGTD	1663	46 13 22 N 007 20 01 E	B0882/14
AOC 25 (10)	Pole	1631	46 12 59 N 007 18 27 E	Crane/Cranes marked/LGTD	1657	46 12 51 N 007 17 55 E	B0105/15
AOC 25 (11)	Tree/Trees	1641	46 12 59 N 007 18 24 E	Crane/Cranes marked/LGTD	1739	46 13 21 N 007 21 57 E	B0653/19
AOC 25 (12)	Tree/Trees	1669	46 12 52 N 007 18 27 E	Crane/Cranes marked/LGTD	1750	46 13 44 N 007 21 36 E	B0641/21
AOC 25 (13)	Power line	1696	46 12 46 N 007 18 10 E				
				Crane/Cranes marked/LGTD	1658	46 12 52 N 007 18 01 E	B0321/21
				Crane/Cranes marked/LGTD	1699	46 13 28 N 007 21 35 E	B1286/20
				Mast	1922	46 12 32 N 007 19 51 E	B1236/20
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	

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 34 (1)	Antenna	1418	47 28 44 N 008 31 56 E			
AOC 34 (2)	Tree/Trees	1459	47 29 04 N 008 31 41 E			
AOC 34 (3)	Tree/Trees	1494	47 29 34 N 008 31 44 E			
AOC 34 (4)	Tree/Trees	1540	47 29 36 N 008 31 43 E			
AOC 34 (5)	Tree/Trees	1562	47 29 47 N 008 31 23 E			
AOC 34 (6)	Tree/Trees	1564	47 29 48 N 008 31 22 E			
Refer also to AOC 10, LSZH AD 2.24.4 - 1; AOC 28, LSZH AD 2.24.4 - 3; AOC 14, LSZH AD 2.24.4 - 5; AOC 32, LSZH AD 2.24.4 - 7; AOC 16, LSZH AD 2.24.4 - 9; AOC 34, LSZH AD 2.24.4 -11						

LSZH AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	MeteoSwiss
2	Hours of service	H24
3	Office responsible for TAF preparation Periods of validity	MeteoSwiss, Zurich 30 hours
4	Type of landing forecast	Trend; issuance: HH+20, HH+50
5	Briefing/consultation provided	Self Briefing Service (www.skybriefing.com), (TAMSI ¹), Briefing officer
6	Flight documentation Language(s) used	Digital and hard copy En, Ge, Fr
7	Charts and other information available for briefing or consultation	All area forecast charts available worldwide
8	Supplementary equipment available for providing information	Weather Radar, Satellite Pictures
9	ATS units provided with information	Zurich TWR / APP
10	Additional information (limitation of service, etc.)	Manned briefing between 0400 and 2100 (0300 and 2000). Weather briefing: Phone: 0900 162 737 (Ge); accessible within Switzerland

1. TAMSI = TAF METAR SIGMET

LSZH AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

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

* MAG VAR tolerance for RWY designators exceeded.

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

Designations RWY NR	SWY dimensions (m)	CWY dimensions (m)	Strip dimensions (m)	OFZ	Remarks
1	8	9	10	11	12
10	NIL	60	2620 x 150	NIL	Non-instrument runway Grooved
28	NIL	60	2620 x 150	NIL	RWY strip dimensions according to non- instrument RWY criteria. Grooved Engineered Materials Arresting System (EMAS) with a length of 160 m and a width of 60 m at the end of RWY 28.
14	NIL	60	3420 x 300	NIL	Precision approach runway CAT III b Grooved Fully frangible LOC (75 m x 3 m) positioned within RESA at 216 m after RWY end. GP14 shelter located at 120 m from RCL within runway strip (marked and lighted).
32	NIL	60	3420 x 300	NIL	Non-instrument runway Grooved
16	NIL	60	3820 x 300	NIL	Precision approach runway CAT III b Grooved GP16 shelter located at 120 m from RCL within runway strip (marked and lighted).
34	NIL	60	3820 x 300	NIL	Precision approach runway CAT I Grooved

LSZH AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
10	2500	2560	2500	2500	Full length
	2000	2060	2000	Not usable	Intersection B7
	1900	1960	1900	Not usable	Intersection L7
	1480	1540	1480	Not usable	Intersection E

7	Remarks	<p>FATO designation marking H01/H19 instead of H02/H20 to avoid misinterpretation during radio communication with ATC. The geographical coordinates of helicopter stands are not published in AIP. The stand protection area is 28 m in diameter instead of 34 m required. Simultaneous operations on Heliport West are not allowed due to overlapping of safety areas.</p> <p>It is the Pilot's responsibility to avoid simultaneous operation between:</p> <ul style="list-style-type: none"> • Adjacent helicopter stand • Helicopter stands and FATO • FATO and the taxiway SIERRA <p>HEL TKOF or LDG shall take place on FATO, RWY or designated helicopter landing area.</p> <p>Air taxi shall only take place on RWYs, TWYs and at Heliport West.</p> <p>HEL OPS at GA sectors 1-4 is prohibited, except HEMS.</p> <p>Detailed charts: VFR Manual</p>
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LSZH AD 2.17 ATS AIRSPACE

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

LSZH AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of Operation	Remarks
1	2	3	4	5
ZURICH AREA		121.500 MHz	H24	Language: En Emergency channel
ATIS ARR		125.730 MHz	H24	Phone: Service +41 (0) 43 931 60 72
ATIS DEP		129.005 MHz	H24	Phone: Service +41 (0) 43 931 60 73
APP/SR VDF ¹⁾	Zurich Arrival do. Zurich Departure Zurich Final	130.560 MHz 135.230 MHz 125.955 MHz 125.330 MHz 120.750 MHz	H24 H24 HX* HX* HX*	ARR ACFT via GIPOL ARR ACFT via AMIKI and RILAX DEP ACFT *only on ATC instruction ALTN FREQ for all APP services (Zurich Arrival, Departure and Final)
TWR VDF ¹⁾	Zurich Tower do. do.	118.100 MHz 120.230 MHz 119.700 MHz	H24 H24 H24	Primary APCH RWY 14 and TKOF RWY 32
Dubendorf TWR	Dubendorf Tower	118.975 MHz	HX	See: ENR 2.1 TMA Zurich 5: up to FL095 - if Dubendorf TWR inactive, contact Zurich Information 124.700 MHz
Terminal VDF ¹⁾	Zurich Terminal	127.755 MHz	H24	VFR FLT within LSZH TMA
CLR DEL	Zurich Delivery	121.930 MHz	H24	ATC clearance for IFR
GND VDF ¹⁾	Zurich Ground	121.905 MHz 118.100 MHz 119.700 MHz	H24 H24 H24	Primary

Service designation	Call sign	Frequency	Hours of Operation	Remarks
De-icing	Pad Coordinator F	121.635 MHz	AVBL if MET COND requires	REF: LSZH AD 2.20, § 5
	Pad Coordinator C	121.640 MHz	AVBL if MET COND requires	REF: LSZH AD 2.20, § 5
	De-icing Coordination	121.810 MHz	H24	
APRON	Zurich Apron	121.755 MHz	0445-2230 (0345-2130)	South of RWY 28
	do.	121.705 MHz	0445-2230 (0345-2130)	ALTN FREQ
	do.	121.855 MHz	0445-2230 (0345-2130)	North of RWY 28
	do.	121.980 MHz	0445-2230 (0345-2130)	ALTN FREQ
FIC	Zurich Information	124.700 MHz	H24	For VFR FLT within TMA
Fire Brigade	Florian 1	123.100 MHz	H24*	*Only when fire brigade present on site. REF: LSZH AD 2.6 §4

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

LSZH 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
TRASA-DINGEN DME	TRA	CH 90X	H24	47 41 22.2N 008 26 13.1E	1850 ft	DOC 100 NM / 50'000 ft Paired VOR FREQ 114.30 MHz
KLOTEN DVOR/DME (VAR 3° E)	KLO	114.85 MHz 95Y	H24	47 27 25.7N 008 32 44.1E	1410 ft	PSN: 234° MAG, 0.12 NM FM ARP. DOC 50 NM / 25'000 ft VOR partially UNREL BTN R235 and R245 BLW 7400 ft AMSL and BTN R040 and R080 BLW 5200 ft AMSL.
ZURICH EAST DVOR/DME (VAR 3° E)	ZUE	110.05 MHz 37Y	H24	47 35 31.8N 008 49 03.6E	1730 ft	PSN: 051° MAG, 13.6 NM FM ARP. DOC 80 NM / 50'000 ft
HOCHWALD DME	HOC	CH 79X	H24	47 27 59.6N 007 39 55.6E	2425 ft	DOC 60 NM / 50'000 ft, DME range 85 NM in sector 30° - 120°. Paired VOR FREQ 113.20 MHz
WILLISAU VOR/DME (VAR 3° E)	WIL	116.90 MHz CH 116X	H24	47 10 41.9N 007 54 21.3E	2417 ft	DOC 50 NM / 25'000 ft, range 80 NM in sector 0° - 105°.
GBAS	G14A (RWY 14)	114.05 MHz CH 20242	H24	47 28 46.9N 008 31 49.2E	ELEV of GBAS 1416 ft	Restricted coverage (published procedures covered): at 15 NM -35°E to 20°S from CL above 3700 ft AMSL. at 15 NM +/- 35° from CL above 4000 ft AMSL. at 20 NM +/- 10° from CL above 4700 ft AMSL. Ellipsoid height: 478.81 m
ILS 14-LOC CAT III	IKL	111.75 MHz	H24	47 27 35.5N 008 33 59.1E		LOC PSN: 216 m FM THR 32. RWY 14: LOC course 134° MAG. Front course sector width 3.57°. Restricted coverage: (published procedures covered): at 10 NM - +/- 35° from CL above 3800 ft AMSL. at 17 NM - 24° E to 33° W from CL above 3800 ft AMSL. at 25 NM - +/- 10° from CL above 4500 ft AMSL.
GP 14		333.35 MHz	H24	47 28 50.0N 008 32 25.8E		GP Angle 3°. PSN: 350 m FM THR 14. GP HGT THR 14: 53 ft / 16.2 m.

SID RWY 34 - RNAV 5

(see chart LSZH AD 2.24.7.5 - 5)

DESIGNATOR	RWY 34 - RNAV 5			
	ROUTE		Contact	Remark
	Lateral	Vertical		
DEGES 4H PDG 4.6% to 1900ft	Climb on TR332. At D4 KLO turn right (MAX IAS 210kt during turn). Intercept R254 ZUE. Proceed via ZH503, ZH506, KOLUL, ZH504, ZH525 to DEGES.	INITIAL CLIMB CLEARANCE 5000ft. Cross D4 KLO at 3500ft or above. (1) Cross ZH503 at 6000ft or above. (2) Cross DEGES at FL080 or above.	When instructed contact Zurich DEP 125.955.	RNAV applicable when passing ZH503.
GERSA 1H (SUSPENDED) PDG 5.2% to 3300ft	Climb on TR332. At D4 KLO turn left (MAX IAS 210kt during turn). Establish TR244 to intercept R190 TRA. Proceed via BREGO, ZH556, ZH557, AFOLT, ARTAG to GERSA.	INITIAL CLIMB CLEARANCE 5000ft. Cross D4 KLO at 3500ft or above. (1) Cross BREGO at 5000ft or above, ZH556 at 8000ft or above, ZH557 at 9000ft or above, AFOLT at 10000ft or above, GERSA at 14000ft or above.	When instructed contact Zurich DEP 125.955.	RNAV applicable when passing BREGO.

(1) Average climb gradient to reach D4 KLO at 3500ft is 12.5%. Four-engined aircraft only: if unable to comply with 3500ft, turn may be initiated at MNM 2500ft at D4 KLO. Average climb gradient to reach D4 KLO at 2500ft is 6.6%.

(2) If unable to comply, advise ATC on CLR DEL. ATC may approve MNM 5000ft at ZH503, if restricting airspace is not active.

Procedure Description of RNAV 5 SID DEGES 4H

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	ZH503	N	+6000	-	-	-
TF	ZH506	N	-	-	142° (144.6°T)	5.0
TF	KOLUL	N	-	-	142° (144.6°T)	2.9
TF	ZH504	N	-	-	099° (102.1°T)	3.1
TF	ZH525	N	-	-	099° (101.8°T)	4.7
TF	DEGES	N	+FL080	-	099° (102.0°T)	8.0

Procedure Description of RNAV 5 SID GERSA 1H

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
-	BREGO	N	+5000	-	-	-
TF	ZH556	N	+8000	-	151° (153.1°T)	3.5
TF	ZH557	N	+9000	-	151° (153.1°T)	1.7
TF	AFOLT	N	+10000	-	151° (153.1°T)	5.2
TF	ARTAG	N	-	-	151° (153.1°T)	4.8
TF	GERSA	N	+14000	-	173° (174.3°T)	7.6

SID RWY 34 - RNAV 1 (by ATC only)
(see chart LSZH AD 2.24.7.5 - 7)

DESIGNATOR	RWY 34 - RNAV 1 (by ATC only)				
	ROUTE			Contact	Remark
	Lateral	Vertical			
DEGES 1J PDG 4.7% to 2100ft	Climb straight ahead to ZH570. At ZH570 turn right direct to ZH571 (MAX IAS 210kt). Proceed via ZH571, ZH503, ZH506, KOLUL, ZH504, ZH525 to DEGES.	INITIAL CLIMB CLEARANCE 5000ft. Cross ZH570 at 3500ft or above. (2) Cross ZH503 at 6000ft or above. (1) Cross DEGES at FL080 or above.		When instructed contact Zurich DEP 125.955.	

(1) If unable to comply, advise ATC on CLR DEL.

ATC may approve MNM 5000ft at ZH503, if restricting airspace is not active.

(2) Average climb gradient to reach ZH570 at 3500ft is 12.5%.

Four-engined aircraft only: If unable to comply with 3500ft, turn may be initiated at MNM 2500ft at ZH570.

Average climb gradient to reach ZH570 at 2500ft is 6.6%.

Procedure Description of RNAV 1 (by ATC only) SID DEGES 1J						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	RWY34	-	-	-	-	-
TF	ZH570	Y	+3500	-	331° (334.1°T)	4.6
DF	ZH571	N	-	-210	-	-
TF	ZH503	N	+6000	-	074° (076.6°T)	5.0
TF	ZH506	N	-	-	142° (144.6°T)	5.0
TF	KOLUL	N	-	-	142° (144.6°T)	2.9
TF	ZH504	N	-	-	099° (102.1°T)	3.1
TF	ZH525	N	-	-	099° (101.8°T)	4.7
TF	DEGES	N	+FL080	-	099° (102.0°T)	8.0

4. 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	
10	A	500/---	400/---	400/---	Due to LIL
	B	600/---	400/---	400/---	
	C	600/---	400/---	400/---	
	D	800/---	400/---	400/---	
All EXC 10	A	500/---	250/---	150/---	
	B	600/---	300/---	150/---	
	C	600/---	300/---	150/---	
	D	800/---	400/---	200/---	

LSZH AD 2.23 ADDITIONAL INFORMATION

1. List of significant points (Terminal)

NAV point	COORD WGS84		Purpose
	LAT	LONG	
1	2		3
AFOLT	N 47 14 11.2	E 008 27 38.2	SID LSZH
BREGO	N 47 23 22.8	E 008 20 46.5	SID LSZH
EGABI	N 47 18 26	E 008 39 49	IAC LSZH
ENUSO	N 47 35 47.1	E 008 27 09.2	IAC / RNAV Transition LSZH
ERMUS	N 47 13 56	E 008 14 41	STAR LSZH
KOLUL	N 47 28 02	E 008 49 22	SID LSZH
LAMAX	N 47 37 14	E 008 54 14	STAR LSZH
MANID	N 47 16 03	E 008 41 41	IAC LSZH
MILNI	N 47 17 47.0	E 008 39 33.0	IAC / RNAV Transition LSZH
MOMOL	N 47 27 42	E 008 40 16	SID LSZH
NOLKA	N 47 08 53	E 008 07 34	STAR LSZH
OSNEM	N 47 34 46.9	E 008 24 08.7	IAC / RNAV Transition LSZH
RAMEM	N 47 26 19.7	E 008 49 00.5	IAC / RNAV Transition LSZH
TADOB	N 47 10 59	E 008 05 23	STAR LSZH
UTIXO	N 47 15 09.0	E 008 41 20.0	IAC / RNAV Transition LSZH
ZH382	N 47 46 40.0	E 008 43 55.0	RNAV Transition
ZH411	N 47 37 51.0	E 008 40 04.0	IAC LSZH
ZH412	N 47 35 43.1	E 008 14 01.3	IAC LSZH
ZH413	N 47 37 37.5	E 008 20 15.1	IAC LSZH
ZH415	N 47 25 02.9	E 008 37 28.1	IAC LSZH
ZH416	N 47 29 00.6	E 008 42 45.0	IAC LSZH
ZH417	N 47 33 23.7	E 008 44 34.4	IAC LSZH
ZH445	N 47 34 14.9	E 008 09 14.6	RNAV Transition
ZH446	N 47 51 52.0	E 008 32 17.6	RNAV Transition
ZH447	N 47 26 56.8	E 008 16 29.7	RNAV Transition
ZH448	N 47 48 18.2	E 008 33 24.5	RNAV Transition
ZH449	N 47 21 12.4	E 008 22 10.1	RNAV Transition
ZH450	N 47 44 30.5	E 008 34 35.6	RNAV Transition
ZH451	N 47 20 29.2	E 008 32 24.4	RNAV Transition
ZH453	N 47 19 57.8	E 008 39 43.1	RNAV Transition
ZH454	N 47 33 20.3	E 008 49 14.2	RNAV Transition
ZH455	N 47 19 26.0	E 008 47 01.6	RNAV Transition
ZH456	N 47 32 48.0	E 008 56 34.5	RNAV Transition
ZH457	N 47 18 53.6	E 008 54 20.0	RNAV Transition
ZH458	N 47 32 15.3	E 009 03 54.7	RNAV Transition
ZH459	N 47 18 20.9	E 009 01 38.2	RNAV Transition

NAV point	COORD WGS84		Purpose
	LAT	LONG	
1	2		3
ZH460	N 47 25 18.2	E 009 02 46.3	RNAV Transition
ZH464	N 47 25 53.5	E 008 54 56.3	RNAV Transition
ZH465	N 47 27 55.1	E 008 26 50.2	IAC LSZH
ZH466	N 47 20 20.6	E 008 23 38.0	IAC LSZH
ZH467	N 47 15 04.1	E 008 07 33.2	IAC LSZH
ZH468	N 47 18 35.5	E 007 57 36.0	IAC LSZH
ZH474	N 47 51 55.2	E 008 29 54.1	RNAV Transition
ZH476	N 47 49 08.3	E 008 29 21.4	RNAV Transition
ZH478	N 47 43 28.5	E 008 33 15.6	RNAV Transition
ZH479	N 47 37 31.8	E 008 14 30.5	RNAV Transition
ZH480	N 47 38 02.4	E 008 37 00.8	RNAV Transition
ZH481	N 47 32 06.5	E 008 18 17.1	RNAV Transition
ZH482	N 47 32 36.2	E 008 40 45.2	RNAV Transition
ZH483	N 47 26 40.9	E 008 22 03.0	RNAV Transition
ZH484	N 47 27 09.9	E 008 44 28.8	RNAV Transition
ZH485	N 47 21 15.2	E 008 25 48.1	RNAV Transition
ZH486	N 47 21 43.5	E 008 48 11.7	RNAV Transition
ZH487	N 47 15 49.4	E 008 29 32.4	RNAV Transition
ZH488	N 47 16 17.1	E 008 51 53.7	RNAV Transition
ZH489	N 47 10 23.4	E 008 33 16.1	RNAV Transition
ZH490	N 47 13 20.6	E 008 42 34.4	RNAV Transition
ZH501	N 47 27 25.7	E 008 32 44.1	RNAV SID / RNAV STAR LSZH
ZH502	N 47 27 54.8	E 008 45 58.8	RNAV SID / NON RNAV SID LSZH
ZH503	N 47 34 30.0	E 008 42 35.0	RNAV SID LSZH
ZH504	N 47 27 23.0	E 008 53 49.0	RNAV SID LSZH
ZH506	N 47 30 26.0	E 008 46 51.0	RNAV SID LSZH
ZH520	N 47 27 16.9	E 008 35 49.4	SID LSZH
ZH521	N 47 27 39.6	E 008 38 58.9	SID LSZH
ZH523	N 47 29 03.3	E 008 32 44.1	SID LSZH
ZH525	N 47 26 24.4	E 009 00 39.9	RNAV SID LSZH
ZH526	N 47 15 33.4	E 008 37 15.5	RNAV SID LSZH
ZH530	N 47 26 34.7	E 008 33 30.6	SID / RNAV SID LSZH
ZH531	N 47 28 14.2	E 008 36 24.8	SID / RNAV SID LSZH
ZH533	N 47 27 58.8	E 008 32 43.8	SID / RNAV SID LSZH
ZH540	N 47 27 44.4	E 008 29 22.5	SID / RNAV SID LSZH
ZH541	N 47 26 19.3	E 008 26 41.6	SID / RNAV SID LSZH
ZH542	N 47 26 40.5	E 008 27 42.7	SID / RNAV SID LSZH
ZH544	N 47 27 03.8	E 008 27 34.9	SID / RNAV SID LSZH

NAV point	COORD WGS84		Purpose
	LAT	LONG	
1	2		3
ZH545	N 47 26 31.9	E 008 29 11.4	SID LSZH
ZH546	N 47 25 56.7	E 008 26 10.3	SID / RNAV SID LSZH
ZH547	N 47 28 21.0	E 008 23 41.5	SID LSZH
ZH548	N 47 27 16.3	E 008 27 46.3	SID / RNAV SID LSZH
ZH551	N 47 18 08.0	E 008 10 00.0	NON RNAV SID LSZH
ZH552	N 47 25 44.0	E 008 23 30.0	SID / RNAV SID LSZH
ZH553	N 47 24 46.4	E 008 27 21.4	SID LSZH
ZH554	N 47 21 18.3	E 008 14 55.5	RNAV SID LSZH
ZH555	N 47 20 48.8	E 008 15 40.6	NON RNAV SID LSZH
ZH556	N 47 20 18.0	E 008 23 05.0	RNAV SID LSZH
ZH557	N 47 18 47.0	E 008 24 13.0	RNAV SID LSZH
ZH558	N 47 19 05.0	E 008 08 41.0	RNAV SID LSZH
ZH559	N 47 31 01.5	E 008 23 04.8	RNAV SID LSZH
ZH568	N 47 27 26.6	E 008 25 37.6	RNAV SID LSZH
ZH569	N 47 31 14.0	E 008 23 40.2	RNAV SID LSZH
ZH570	N 47 31 04.8	E 008 30 20.1	RNAV SID LSZH
ZH571	N 47 33 20.6	E 008 35 21.8	SID / RNAV SID LSZH
ZH573	N 47 32 03.0	E 008 26 12.0	RNAV SID LSZH
ZH577	N 47 31 05.5	E 008 23 17.0	RNAV SID LSZH
ZH578	N 47 30 09.7	E 008 27 33.0	RNAV SID LSZH (RF arc centre)
ZH579	N 47 29 32.9	E 008 31 18.9	SID LSZH
ZH580	N 47 30 57.2	E 008 30 07.4	SID LSZH
ZH627	N 47 22 20.7	E 008 37 13.7	RNAV STAR LSZH
ZH628	N 47 16 09.1	E 008 41 28.0	RNAV STAR LSZH
ZH677	N 47 34 38.0	E 007 44 13.0	STAR / RNAV STAR LSZH
ZH703	N 47 29 06.4	E 008 56 11.4	IAC LSZH
ZH704	N 47 38 48.7	E 008 25 13.9	IAC LSZH
ZH706	N 47 38 24.8	E 008 25 19.8	IAC LSZH
ZH712	N 47 36 01.4	E 008 21 24.5	IAC LSZH
ZH725	N 47 15 11.5	E 008 47 53.1	VOR/DME APCH 34 LSZH
ZH726	N 47 14 50.4	E 008 47 14.9	ILS/DME APCH 34 LSZH

LSZH AD 2.24 CHARTS RELATED TO AN AERODROME

Name	Page
Aerodrome Chart	LSZH AD 2.24.1 - 1
Aerodrome Ground Movement Chart - South	LSZH AD 2.24.3 - 1
Aerodrome Ground Movement Chart - North	LSZH AD 2.24.3 - 3
Aerodrome Ground Movement Chart - ICAO Code Letter F OPS	LSZH AD 2.24.3 - 5
Aerodrome Obstacle Chart - Type A - RWY 10	LSZH AD 2.24.4 - 1
Aerodrome Obstacle Chart - Type A - RWY 28	LSZH AD 2.24.4 - 3
Aerodrome Obstacle Chart - Type A - RWY 14	LSZH AD 2.24.4 - 5
Aerodrome Obstacle Chart - Type A - RWY 32	LSZH AD 2.24.4 - 7
Aerodrome Obstacle Chart - Type A - RWY 16	LSZH AD 2.24.4 - 9
Aerodrome Obstacle Chart - Type A - RWY 34	LSZH AD 2.24.4 - 11
Precision Approach Terrain Chart - RWY 16	LSZH AD 2.24.5 - 1
Precision Approach Terrain Chart - RWY 14	LSZH AD 2.24.5 - 3
Area Chart - Transition Routes (VEBIT)	LSZH AD 2.24.6 - 1
Area Chart - Transit Routes (TMA)	LSZH AD 2.24.6 - 3
SID RWY 10 - RNAV 1	LSZH AD 2.24.7.1 - 1
SID RWY 10 - RNAV 5	LSZH AD 2.24.7.1 - 3
SID RWY 10 - RNAV 1 (by ATC only)	LSZH AD 2.24.7.1 - 5
SID RWY 10 - NON RNAV	LSZH AD 2.24.7.1 - 7
SID RWY 16 - RNAV 1	LSZH AD 2.24.7.2 - 1
SID RWY 16 - RNAV 5	LSZH AD 2.24.7.2 - 3
SID RWY 16 - RNAV 1 (by ATC only)	LSZH AD 2.24.7.2 - 5
SID RWY 16 - NON RNAV	LSZH AD 2.24.7.2 - 7
SID RWY 28 - RNAV 5	LSZH AD 2.24.7.3 - 1
SID RWY 28 - RNP 1 (DEGES) (RF required) (by ATC only)	LSZH AD 2.24.7.3 - 3
SID RWY 28 - RNP 1 (VEBIT) (RF required) (by ATC only)	LSZH AD 2.24.7.3 - 5
SID RWY 28 - RNAV 1 (by ATC only)	LSZH AD 2.24.7.3 - 7
SID RWY 28 - NON RNAV	LSZH AD 2.24.7.3 - 9
SID RWY 32 - RNAV 1	LSZH AD 2.24.7.4 - 1
SID RWY 32 - RNAV 5	LSZH AD 2.24.7.4 - 3
SID RWY 32 - RNAV 1 (by ATC only)	LSZH AD 2.24.7.4 - 5
SID RWY 32 - NON RNAV	LSZH AD 2.24.7.4 - 7
SID RWY 34 - RNP 1	LSZH AD 2.24.7.5 - 1
SID RWY 34 - RNAV 1	LSZH AD 2.24.7.5 - 3
SID RWY 34 - RNAV 5	LSZH AD 2.24.7.5 - 5
SID RWY 34 - RNAV 1 (by ATC only)	LSZH AD 2.24.7.5 - 7
SID RWY 34 - NON RNAV	LSZH AD 2.24.7.5 - 9
SID Straight Ahead and Turn RWY 10, 16, 28, 34	LSZH AD 2.24.7.6 - 1
STAR TO GIPOL - RNAV 1	LSZH AD 2.24.9.1 - 1
STAR TO GIPOL - NON RNAV	LSZH AD 2.24.9.2 - 1
STAR TO AMIKI - RNAV 1	LSZH AD 2.24.9.3 - 1
IAC ILS RWY 14 CAT II & III	LSZH AD 2.24.10.1 - 1
IAC LOC RWY 14	LSZH AD 2.24.10.1 - 3
IAC GLS RWY 14	LSZH AD 2.24.10.1 - 5
IAC RNP RWY 14	LSZH AD 2.24.10.1 - 7
IAC ILS RWY 16 CAT II & III	LSZH AD 2.24.10.2 - 1
IAC LOC RWY 16	LSZH AD 2.24.10.2 - 3
IAC VOR RWY 16	LSZH AD 2.24.10.2 - 5
RNAV Transition to Final Approach RWY 28	LSZH AD 2.24.10.3 - 1
IAC ILS RWY 28	LSZH AD 2.24.10.3 - 3
IAC LOC RWY 28	LSZH AD 2.24.10.3 - 5
IAC RNP RWY 28	LSZH AD 2.24.10.3 - 7
IAC VOR RWY 28	LSZH AD 2.24.10.3 - 9
RNAV Transition to Final Approach RWY 34	LSZH AD 2.24.10.4 - 1
IAC ILS RWY 34	LSZH AD 2.24.10.4 - 3

Name	Page
IAC LOC RWY 34	LSZH AD 2.24.10.4 - 5
IAC VOR RWY 34	LSZH AD 2.24.10.4 - 7
ATC Surveillance Minimum Altitude Chart	LSZH AD 2.24.13 - 1