LSZC - BUOCHS

LSZC AD 2.1 AERODROME LOCATION INDICATOR AND NAME

LSZC - BUOCHS

LSZC AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	**ARP coordinates and site at Aerodrome**	46 58 28 N 008 23 49 E RWY midpoint
2	**Direction and distance from the CITY**	2 km W Buochs
3	**Elevation/Reference temperature**	*1475 ft AMSL* - 24.7°C
4	**MAG VAR/Annual change**	2° E (2016.5) / 0° 9.7' eastwards
5	**AD Administration, address, telephone, telefax, telex, AFS**	Post: Airport-Buochs AG Fadenbrücke 20 CH-6374 **Buochs** Phone: +41 (0) 41 622 06 11 Fax: +41 (0) 41 622 06 10 TWR: +41 (0) 41 624 59 01 AFS: LSZCZTZX Email: info@airportbuochs.ch URL: http://www.airportbuochs.ch/
6	**Types of traffic permitted (IFR/VFR)**	IFR/VFR
7	**Remarks**	Geodetic undulation reference for ARP: 158.8 ft

LSZC AD 2.3 OPERATIONAL HOURS

1	**AD Administration**	MON - FRI: 0700 - 1105 (0600 - 1005) / 1215 (1115) - SS MAX 1900 (1800) SAT: 0700 - 1100 (0600 - 1000) / 1300 (1200) - SS MAX 1900 (1800) SUN/HOL: 0900 - 1100 (0800 - 1000) / 1300 (1200) - SS MAX 1700 (1600) HOL: REF AIP GEN 2.1.6., Local HOL REF LSZC AD 2.2.2
2	**Customs and immigration**	REF LSZC AD 2.20
3	**Health and sanitation**	NIL
4	**AIS Briefing Office**	AD OPR HR
5	**ATS Reporting Office (ARO)**	NIL
6	**MET Briefing Office**	NIL; REF LSZC AD 2.11
7	**ATS**	MON-FRI 0630 - 1105 (0530 - 1005) / 1215 - 1605 (1115 - 1505) Other times and SAT/SUN: O/R. MNM 24 HR before DEP, MNM 3 days before ARR due to local traffic regulations, see LSZC AD 2.20
8	**Fuelling**	O/R during AD OPR HR
9	**Handling**	Limited service O/R during AD OPR HR
10	**Security**	NIL
11	**De-icing**	NIL
12	**Remarks**	**AD: PPR**

LSZC AD 2.4 HANDLING SERVICES AND FACILITIES

1	**Cargo handling facilities:**	NIL
2	**Fuel/oil types**	Jet A1 / MOBIL JET OIL II / Eastman (BP) 2380 Turbine Oil
3	**Fuelling facilities/capacity**	By fuel truck
4	**De-icing facilities**	NIL
5	**Hangar space available for visiting aircraft**	O/R
6	**Repair facilities for visiting aircraft**	By Pilatus Ltd. maint O/R, limited to Pilatus ACFT only
7	**Remarks**	NIL

LSZC AD 2.5 PASSENGER FACILITIES

1	**Hotels**	Close to AD and surrounding cities
2	**Restaurants**	Close to AD and surrounding cities
3	**Transportation**	Taxis
4	**Medical facilities**	Hospital in the city (Stans)
5	**Bank and Post Office**	In the city
6	**Tourist Office**	NIL
7	**Remarks**	NIL

LSZC AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	**AD category for fire fighting**	O/R during ATS HR Category 3 - 5, 24 HR before ETD / ETA
2	**Rescue equipment**	2 fire trucks
3	**Capability for removal of disabled aircraft**	Up to 5.7 tonnes immediately, others O/R
4	**Remarks**	NIL

LSZC AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	**Type(s) of clearing equipment**	Snow removal available O/R
2	**Clearance priorities**	RWY, TWY, Apron
3	**Remarks**	All seasons

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

1	**Apron surface and strength**	ASPH: PCN 45/F/BX/U
2	**Taxiway width, surface and strength**	Width: TWY A: 12.0 m TWY B, C: 12.0 m TWY D: min 10.1 m, BTN TWY B - Pilatus factory 9.4 m, TWY E: 12.0 m; TWY F: 9.8 m. Surface: ASPH: PCN 45/F/BX/U
3	**ACL location and elevation**	NIL
4	**VOR/INS checkpoints**	NIL
5	**Remarks**	NIL

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

LSZC AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

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

LSZC AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

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

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

LSZC AD 2.13 DECLARED DISTANCES

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

LSZC AD 2.14 APPROACH AND RUNWAY LIGHTING

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

LSZC AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

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

LSZC AD 2.16 HELICOPTER LANDING AREA

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

LSZC AD 2.17 ATS AIRSPACE

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

LSZC AD 2.18 ATS COMMUNICATION FACILITIES

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

LSZC AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type Category (Variation)	ID	Frequency	Hours of operation	Site of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
NIL	NIL	NIL	NIL	NIL	NIL	NIL

LSZC AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Customs:

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

2. Local flying restrictions:

2.1 The Airport is CLSD on the following days:

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

2.2 Local HOL:

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

2.3 Other than normal OPS:

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

2.4 Flight operations outside TWR OPR HR:

- NO IFR traffic allowed.
- ARR and DEP ACFT have to make blind transmissions on FREQ 119.625 MHz.
- TKOF must be performed from the beginning of RWY. INT TKOF are prohibited.
- The AP manager must always be mobilized for non home-based pilots.
- If ATS has to be provided outside TWR OPR HR, a charge for each operation will be levied. Consult http://www.airportbuochs.ch (section Operation then Tariffs and Charges).

Special procedure for IFR-joinings (Z PLN) departing from LSZC. Before start-up, contact mandatory with:
- ACC Zurich (for FLT joining within the CTA Zurich), TEL +41 (0) 43 931 69 65
- ACC Geneva (for FLT joining within the CTA Geneva), TEL +41 (0) 22 747 13 91

3. ACFT guidance on apron

ACFT movement (TAX) during TWR OPR HR and with marshaller only.

4. Departure

At start-up, ACFT PSN must be reported.

5. High-visibility jacket

It is mandatory for all personnel remaining in the movement areas (ACFT, PRKG, TWY, RWY) to wear safety jackets. A yellow high-visibility safety jacket which complies with the EN471 standard must be worn.

6. Pilatus Aircraft Ltd. operations

ONLY FOR PILOTS OPERATING FOR PILATUS AIRCRAFT LTD

6.1 Traffic light to Pilatus Aircraft Ltd:

A traffic light regulates traffic between the public road and TWY D to Pilatus Aircraft Ltd. The system shall be ACT by the pilot himself. TWR FREQ may therefore be left for short moments. Aeroplanes on then Pilatus area shall request TAX clearance from the TWR before entering TWY D.

User instruction:
- Activation with three short radio SGL on 121.905 MHz, before crossing the inductive loop on TWY D. A sharp whistle follows as confirmation. Only then CONT slowly towards the crossing and cross over when the light turns green.
- The traffic light remains green for 2 MIN.
- If the traffic light cannot be ACT, contact TWR (OPR HR see AD 2.18). Otherwise give way to road traffic and cross the road at own risk.
- TWR cannot activate the traffic light once the aeroplane has crossed the inductive loop.

6.2 Traffic light to H10:

A traffic light regulates traffic between the public roads and TWY C to H10. The system shall be ACT by the pilot himself. TWR FREQ may therefore be left for short moments.
Aeroplanes on area in front of H10 shall request TAX clearance from the TWR before entering TWY C.

User instruction:
- Activation with three short radio SGL on 121.705 MHz in an interval of half a second. A sharp whistle follows as confirmation. Only then, CONT slowly towards the crossing and cross over when the light turns green.
- The traffic light remains green for 2 MIN.
- If the traffic light cannot be ACT, give way to road traffic and cross the road at own risk or request a “follow-me” car from TWR.

6.3 Barrier remote control RWY 06/24 (middle of the RWY) outside TWR OPR HR:

- Instruction mandatory
- To activate the system, TRANS four short radio SGL on FREQ 119.625 MHz (at intervals of half a second).
- The barriers will be lowered within 30 sec and will remain CLSD for 4 MIN.
- After TKOF or LDG, the system shall be deactivated by transmitting six short radio SGL.
- The system will confirm by an automatic voice message the closure of the barriers as soon as they are lowered and the RWY lighting is on.
- No TKOF and LDG with OPN barrier. Without acoustic confirmation no TKOF or LDG permitted.
- Barriers must also be CLSD for backtracking.

LSZC AD 2.21 NOISE ABATEMENT PROCEDURES

1. Auxiliary Power Unit (APU)

APU shall be started no earlier than 30 MIN before off-block time and kept in operation no longer than 30 MIN after the on-block time.

LSZC AD 2.22 FLIGHT PROCEDURES

1. Special regulations for IFR approach and departure

1.1 IFR procedure

1.1.1 SID Descriptions

Procedure limited to pilots operating for Pilatus Aircraft Ltd.

1.1.1.1 SID RWY 24 (see chart LSZC AD 2.24.7 - 1)

DESIGNATOR	RWY 24 - NON RNAV			
	ROUTE			
	Lateral	Vertical	Contact	Remark
WILLISAU 3A (WIL 3A) PDG 13.3% to *7100ft* MNM Climb gradient 13.3% to *7600ft* to remain inside controlled Airspace.	Climb on CRS244. When crossing R158 (ZC601) turn right (MAX IAS 230kt during turn) and intercept R158 WIL inbound WIL. Proceed to WIL VOR/DME.	Cross R158 WIL (ZC601) at FL100 or above. INITIAL CLIMB CLEARANCE FL100	NIL	Day only

1.1.2 STAR Descriptions (see chart LSZC AD 2.24.9 - 1)

SPEED LIMITATION:
General: Below FL 100 MAX IAS 250kt.

DESIGNATOR	STAR TO RONIX - RNAV 1		
	ROUTE		
	Lateral	Vertical	Remark
ASGED 1F	From ASGED proceed to RONIX.	Refer to chart	MAX IAS 200 kt at ASGED MAX IAS 180 kt at RONIX
WILLISAU 2F (WIL 2F)	From WIL proceed to RONIX	Refer to chart	MAX IAS 180 kt at RONIX

RNAV STAR ASGED 1F						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
						-
-	ASGED	N	-	200	-	-
TF	RONIX	N	+6000	180	261° (263.0°T)	4.7

RNAV STAR WIL 2F						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
-	WIL	N	-	-	-	-
TF	RONIX	N	+6000	180	081° (082.5°T)	22.7

1.1.3 Approach procedure

1.1.3.1 Special regulation for IFR approach RNP A

Procedure limited to pilots operating for Pilatus Aircraft Ltd.

The APCH shall be used during HR of daylight only.
CTR 2 Emmen needs to be ACT for APCHs below *3500 ft AMSL.*

1.1.3.2 RAIM

No NOTAM RAIM service will be provided. It is the operator's responsibility to check RAIM availability. Due to the high terrain, a mask angle of 12.5 DEG should be chosen. EUROCONTROL provides the AUGUR tool for checking RAIM. It is AVBL from the following link: https://augur.eurocontrol.int

1.1.3.3 Procedure description of RNP A (see chart LSZC AD 2.24.10 - 1)

RNP A						
Path terminator	**Waypoint**	**Flyover**	**Altitude (ft)**	**Speed limit (kt)**	**Track**	**Distance (NM)**
-	RONIX	N	+6000	180	-	-
TF	ZC700	N	-	150	129° (130.7°T)	3.6
TF	ZC701	N	-	-	181° (182.9°T)	2.0
TF	KUSIX	N	+4500	-	216° (217.9°T)	2.7
TF	ZC760	Y	-	-	216° (217.8°T)	5.6
DF	ZC752	N	-	150	-	-
TF	ZC753	N	-	-	038° (039.9°T)	5.6
TF	RONIX	N	+6000	-	082° (083.5°T)	9.3

1.2 VFR procedure

Refer to VFR Manual, LSZC AD INFO.

1.3 Supplementary provisions regarding VFR-flights

Refer to VFR Manual, LSZC AD INFO.

2. Minima for IFR departures (TKOF minima)

RWY	ACFT CAT	RVR (m) / Ceiling (ft AGL)			RMK
		No LGT AVBL	REDL or RCLL AVBL	REDL and RCLL AVBL	
24	A	1400/---	1400/---	---	NIL
	B	1400/---	1400/---	---	
	C	1400/---	1400/---	---	
	D	1400/---	1400/---	---	

LSZC AD 2.23 ADDITIONAL INFORMATION

1. List of significant points (Terminal)

NAV point	COORD WGS84		Purpose
	LAT	LONG	
1	2		3
KUSIX	N 47 07 06.8	E 008 28 47.0	RNP APCH LSZC
ZC601	N 46 52 22.6	E 008 04 04.6	SID LSZC
ZC700	N 47 11 14.6	E 008 31 23.3	RNP APCH LSZC, GNSS LFN on trial
ZC701	N 47 09 16.6	E 008 31 14.7	RNP APCH LSZC
ZC752	N 47 08 13.3	E 008 08 36.2	RNP APCH LSZC
ZC753	N 47 12 32.6	E 008 13 54.5	RNP APCH LSZC
ZC760	N 47 02 41.4	E 008 23 45.7	RNP APCH LSZC

2. Bird concentrations in the vicinity of the airport

Tracer shots will be fired OCNL.

LSZC AD 2.24 CHARTS RELATED TO AN AERODROME

Name	Page
Aerodrome Chart	LSZC AD 2.24.1-1
Aerodrome Obstacle Chart - Type A - RWY 24	LSZC AD 2.24.4.1
SID RWY 24 - NON RNAV	LSZC AD 2.24.7.1
STAR to RONIX - RNAV 1	LSZC AD 2.24.9-1
IAC RNP A CAT A/B	LSZC AD 2.24.10-1
IAC VIS APCH	LSZC AD 2.24.10-3