

## 7. LSZA - LUGANO AIRPORT - Aerodrome charges

### 7.1 TARIFF REGULATIONS AT LUGANO AIRPORT

(Of 19 SEP 2013)

#### I. General terms and conditions

##### Art.1 Legal basis

For the ordinary use of the AP by ACFT, Lugano AP Authority shall levy charges in accordance with section II. For use of the AP that exceeds the ordinary, Lugano AP Authority shall levy special charges, in accordance with section III.

##### Art.2 Charges

The AP charges include:

- a. mass-related LDG charge
- b. mass-related noise surcharge on LDG charge
- c. approach charge (Skyguide) see [ANNEX 2: Approach charges for Category II airports](#)
- d. EM charge
- e. passenger charge
- f. parking charge
- g. cargo charge
- h. operating time surcharge
- i. fuel and lubricant prices
- j. ground handling charge - basic handling
  - scheduled and charter FLTs
  - general aviation FLTs

##### Art. 3 Special services

Lugano AP Authority is entitled to levy extra charges for special services not specifically mentioned in these regulations.

##### Art. 4 Services by third parties

Lugano AP Authority reserves the right to ask for contributions from firms and companies operating at the AP or offering services to its users.

##### Art. 5 Special conditions

Lugano AP Authority reserves the right to apply special rates to ACFT operators working for aviation or regional area development purposes, and to operators whose ACFT are mainly stationed on the AP area.

##### Art.6 Liability for payment of charges

Unless provided otherwise, the charges shall be paid as follows:

- a. in the case of scheduled or non-scheduled commercial FLTs, by the company that actually carries out the FLT ("actual carrier")
- b. in the case of non-commercial FLTs, by the operator of the ACFT

An ACFT operator is defined as the party who has the actual and PERM power of control over the ACFT and who uses it or permits it to be used at its expense.

Several operators of the same ACFT shall be jointly and severally liable for the charges; in the case of the operator not also being the owner of the ACFT, both the operator and the owner shall be jointly and severally liable for the charges.

##### Art. 7 Exemptions

The following cases are exempted from LDG, noise, approach, passenger and parking charges:

- operators of Swiss and foreign State ACFT provided that the ACFT is carrying the Head of State's government officials on a State visit
- search and police FLTs
- rescue and humanitarian FLTs
  
- ACFT participating in special demonstrations which are allowed by Lugano AP Authority

##### Art. 8 Obligation of data delivery

When claiming a reason for exemption in accordance with Art. 7, all the necessary evidence for the claim has to be submitted to Lugano AP Authority.

**Art. 9 Terms of payment of the charges**

The AP charges must be paid prior to TKOF, at the latest; Lugano AP Authority is, however, entitled to demand payment at any time after the ACFT has landed.

Lugano AP Authority may invoice the charges to regular AP users monthly, provided they have their domicile or head office in Switzerland and can furnish valid financial guarantees.

The payment shall be settled within 30 days of the date of the invoice, unless other agreements have been made.

**Art. 10 Currency**

The charges are payable in Swiss Francs (CHF).

**Art. 11 Value added tax**

The charge rates do not include VAT.

**Art. 12 Collection**

Lugano AP Authority may delegate an authorised dispatch office to levy the charges.

**II. Individual charges**

**Landing charges (based on MTOM)**

**Art. 13 Obligation**

For each LDG, there shall be a charge payable in accordance with the MTOM of the ACFT.

Missed APCHs, during which the ACFT may or may not touch the ground, shall also be considered as LDG with the exception of go-arounds not planned by the crew.

**Art. 14 Basis of calculation**

The MTOM shall correspond to the information contained in the ACFT's Airworthiness Certificate.

**Art. 15 Charge rates**

The rates are listed in [GEN 4.1 - Annex 1](#).

**Art. 16 NIL**

**Noise surcharge on landing charge**

**Art. 17 Obligation**

For each LDG, there shall be a surcharge calculated on the LDG charge due, payable in accordance with the noise level of the ACFT.

**Noise classes**

**Art. 18 a) Jet-engine aircraft**

Jet-propelled ACFT shall be assigned to one of the noise classes I to V. The class assignment is published in [GEN 4.1 - Appendix A](#)

**Art. 19 Noise surcharge rates**

The amount of the noise surcharge is:

Noise class	Noise charge CHF (excl. VAT)
I	1000.--
II	600.--
III	400.--
IV	200.--
V	no surcharge

**Art. 20 b) Propeller-driven aircraft not exceeding 8618 kg MTOM**

The assignment of propeller-driven ACFT with a MTOM not exceeding 8618 kg into one of the noise classes A to D corresponds to the classification established by FOCA. The decisive factor in this regard is the difference between the mandatory noise level limits in accordance with ICAO Annex 16 and the measured noise level of the ACFT type corrected using the PER correction factor.

**Art. 21 Assignments to the noise classes**

ACFT registered in Switzerland are assigned to the classes mentioned below in accordance with the Swiss Aircraft Register. ACFT registered abroad are classified in accordance with Appendix B to the tariff regulations for public APs in Switzerland (Noise classification for propeller-driven ACFT without special sound-proofing, ref. [GEN 4.1 - Appendix B](#)).

**Art. 22 Noise surcharge rates**

The amount of the noise surcharge per tonne or part thereof is:

Noise class	Noise charge CHF (excl. VAT)
A	10.--
B	6.--
C	3.--
D	no surcharge

**Art. 23 Surcharge on Saturday, Sundays and local holidays**

For LDGs on SAT, SUN and local HOL, the noise surcharge is increased by 50% for all ACFT.

**Art. 24 New and modified aircraft**

In the event that a party liable to pay the charges submits a claims for a more advantageous classification, it shall provide evidence to Lugano AP Authority by submitting appropriate documentation within 60 days of the date on which the claim is made.

**Art. 25 Refund**

If the evidence required is provided on time, Lugano AP Authority shall refund the excess surcharge paid during the 60-day period.

**Emission-related landing charges (WEF 01 APR 2010)****Art. 26 Principle**

An EM-related LDG surcharge is applied to all ACFT equipped with a combustion engine and that are subject to a WT-based LDG charge. The EM charge is based on the absolute EM characteristic of the engine, as described in the FOCA Directive "Aircraft Engine Emission Charges in Switzerland" (Reference 33-05-27).

**Art. 27 Aircraft with turbofan, turbojet or turboprop engines with emission data available to FOCA**

ACFT equipped with turbofan, turbojet or turboprop engines that are:

- regulated under the ICAO Annex 16, Volume II, or
- not regulated, but have detailed EM data for the LDG-TKOF (LTO) cycle AVBL to FOCA,

are subject to the EM calculation, as specified in ECAC Recommendation 27/4. Specifically, the following EM calculation formula applies:

$$\text{EmissionValueAircraft} = a * \# \text{Engines} * \sum_{LTO - modes} (60 * \text{time} * \text{fuelflow} * \text{NOx}_{\text{Emissionfactor}} \div 1000)$$

where:

- a = 1 if the characteristic certification LTO Hydrocarbon emissions per rated thrust (HC Dp/Foo) is less than or equal to the current ICAO standard of 19.6 g/kN rated thrust or for unregulated engines.
- a > 1 if the characteristic certification LTO Hydrocarbon emissions per rated thrust (HC Dp/Foo) is greater than the current ICAO standard.  
a = HC Dp/Foo / 19.6, with a maximum value for 'a' of 4.0

LTO-Modes:	ICAO Certification LTO Modes:	
	<u>Mode</u>	<u>Time (in minutes)</u>
	Take-off	0.7
	Climbout	2.2
	Approach	4.0
	Taxi/Idle	26.0
# Engines:	number of engines fitted to the aircraft	
Time:	time in mode (see above)	(in minutes)
Fuelflow:	fuel flow per mode	(in kg/sec)
NO <sub>x</sub> Emissionfactor	Measured NO <sub>x</sub> -Emission factor per mode	(in g/kg fuel)

EM factors and fuel flow for the four modes and the hydrocarbon certification value are taken from the ICAO engine database (regulated engines). EM data for unregulated engines are taken from the FOCA and FOI EM database. The FOCA website provides additional information:

www.bazl.admin.ch -> For Specialists -> Environment

**Art. 28 Aircraft with piston engines, helicopter and aircraft with engines without emission data available to FOCA**

ACFT equipped with:

- piston engines
- rotary wing engines
- any other engine without EM data AVBL to FOCA

are also subject to an EM charge. Specifically, they are assigned an EM value derived from the type, PER and number of engines fitted to the ACFT, as detailed in Table1.

Table 1: FOCA Aircraft Emission Value Matrix

# Eng.	Piston: Turbodiesel Microlight Ecolight	Piston: Conventional	Piston: Conventional	Piston: Conventional	Helicopter	Helicopter	Business- Jets	Business- Jets	Turbo- props
		up to 200 hp	200-400 hp	>400 hp	<1000 shp	>1000 shp	(<16 kN)	(>16 but <26.7 kN)	
1	0.1	0.2	0.4	0.5	0.2	0.7	0.5	1.0	0.8
2	0.2	0.4	0.8	1	0.4	1.4	1.0	2.0	1.6
3	-	0.6	1.2	1.5	-	2.1	1.5	3.0	2.4
4	-	0.8	1.6	2	-	2.8	-	-	3.2

**Art. 29 Emission tariff**

The applicable tariff is CHF 3.40 per Emission Value<sub>Aircraft</sub>

**Passenger charge**

**Art.30 Obligation**

Subject to Art. 31, a charge shall be payable for each passenger who is transported by an ACFT that takes off from the AP.

**Art. 31 Passenger charge rates**

	<b>Charges</b>	<b>Passenger</b>	<b>Security</b>	<b>Noise</b>	<b>PRM</b>	<b>Total Charge</b>
a.	for general aviation traffic per passenger	CHF 19.00	-	CHF 1.00	-	<b>CHF 20.00</b>
b.	for scheduled and charter traffic per passenger	CHF 24.00	CHF 9.00	CHF 1.00	CHF 1.00	<b>CHF 35.00</b>
c.	for transit scheduled and charter traffic per passenger	CHF 9.50	CHF 5.50	CHF 1.00	-	<b>CHF 16.00</b>

**Art. 32 Exemptions**

No charge shall be levied in the cases of:

- infants up to the age of two
- passengers in direct transit
- passengers on local FLTs
- ACFT crew members who, not requiring a ticket, are transported to another AP for purpose of service on a FLT from that AP (dead heading)

**Parking charge****Art. 33 Obligation**

A parking charge shall be levied for an ACFT parking between LDG and TKOF. This charge shall be in accordance with the MTOM and the sector occupied (grass or hard SFC), after a free parking period has elapsed.

**Art. 34 Basis of calculation**

Basis of calculation of the charges is:

- MTOM (according to [Art. 14 Basis of calculation](#))
- occupied sector (grass or hard SFC)
- DUR of the parking period

Partial tonnes, days and HR shall be calculated as full tonnes, days and HR.

**Art. 35 Parking rates**

The list of the parking rates is contained in [GEN 4.1 - Annex 2](#).

**Art. 36 Assignment of the parking positions**

Lugano AP Authority assigns the parking PSN based on an assumed DUR, which must be communicated in advance, and on availability of space.

Lugano AP Authority may determine a MAX period for parking.

Lugano AP Authority may delegate the management of parking to third parties.

**Cargo charges****Art. 37 Obligation**

This charge is levied for cargo:

- arriving at the AP (import) via air transport or road vehicle
- loaded/unloaded by AP personnel, whether on ARR (import), or transit (transit) or on DEP (export).

The determining factor for cargo charges is the gross WT.

The charges have to be paid by the air transport carrier to Lugano AP Authority.

**Art. 38 Arriving cargo charge (import)**

The charge amounts to CHF -.05 per kg or part of it.

**Art. 39 Cargo transportation charge**

The charge amounts to CHF -.07 per kg of cargo transported by the staff of Lugano AP Authority from an ACFT to another (transit), or respectively from an ACFT to the zone reserved for the deposit of goods and vice versa (import-export).

**Art. 40 Cargo storage charge**

A charge for the storage of cargo is levied in accordance with a tariff published separately by the cargo agent.

**Operating time surcharge****Art. 41 Obligation**

For each movement (LDG or TKOF), a special charge is levied according to the operating time.

**Art. 42 Rates**

The list is contained in [GEN 4.1 - Annex 3](#). If LDG and TKOF are not separated by more than one HR the charge is reduced by 25%.

**Fuel and lubricant prices****Art. 43 Charges**

Lugano AP Authority does not levy any charges on fuel, as it is the supplier. The official prices are published separately and adapted monthly to reflect the variations in purchasing prices.

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## Ground handling charges - basic handling

### a) Scheduled and charter flights

#### Art. 44 **Obligation**

The operator of an ACFT of scheduled or charter traffic is obliged to pay a charge for the services rendered by Lugano AP Authority for every rotation (one ARR and one DEP or vice versa). Movements for instruction or technical reasons, or ferry FLT's are exempt from this charge.

#### Art. 45 **Rates**

The list of handling rates is published on the Lugano AP Internet site: <http://www.luganoairport.ch>. Refer to the current document: "Scheduled and Charter Traffic Tariffs".

#### Art. 46 **List of main services**

Ground handling consists of the following main services:

- marshalling of ACFT to and from the parking PSN
- loading, unloading and transport of baggage
- transport of passengers by motor vehicle (on demand)
- general cleaning of passenger cabin of the ACFT
- stand-by of fire fighting services
- accompanying of and assistance to passengers
- check-in operations

### b) General aviation flights

#### Art. 47 **Obligation**

The operator of a commercial or private traffic ACFT over 3000 kg MTOM is due to pay a charge for the services rendered by Lugano Airport SA or the Handling Agent for every rotation (one ARR and one DEP or vice versa).

#### Art. 48 **Rates**

The amount of the base handling flat rate charge for ACFT, relating to its MTOM, is published on the Lugano AP Internet site: <http://www.luganoairport.ch>. Refer to the current document: "General Aviation Handling Tariff".

## III. Special charges

#### Art. 49 **Ground handling charges - special handling on demand**

Lugano AP Authority levies charges for any special services not covered by [Art. 46 List of main services](#) and [Art. 48 Rates](#), and ordered by the ACFT operator.

#### Art. 50 **Hangar parking**

In case of AVBL space in hangar, Lugano AP Authority gives priority to ACFT operators with annual contracts and successively to those that normally have their ACFT stationed on the AP area.

Lugano AP Authority may allow other competent organisations to handle ACFT parking.

#### Art. 51 **Winter surcharges**

The winter operation surcharge will be charged for every LDG General Aviation FLT's from 01 NOV to 30 APR, irrespective of the fact that effective de-icing / anti-icing has taken place or not. Home-based ACFT and technical stops are exempted.

Aircraft	up to 3 tonnes	CHF	9.00
Aircraft	up to 7 tonnes	CHF	15.00
Aircraft	up to 16 tonnes	CHF	20.00
Aircraft	above 16 tonnes	CHF	25.00

#### Art. 52 **De-icing charges**

Flat fee charge per service for General Aviation ACFT. De-icing fluid / hot water mixture CHF 5.90 per litre sprayed.

Aircraft	up to 7 tonnes	CHF	300.00
Aircraft	up to 16 tonnes	CHF	400.00
Aircraft	above 16 tonnes	CHF	680.00

## IV. Concluding provisions

Art. 52 **Date of validity**

These tariff regulations are valid as from 19 SEP 2013.

[GEN 4.1 - Annex 1](#)

List of the LDG charges

[GEN 4.1 - Annex 2](#)

List of the parking charges

[GEN 4.1 - Annex 3](#)

List of the operating time surcharge charges

## Annex 1

Annex 1				
Landing charge based on the MTOM of aircraft				
Class	Maximum Take-Off Mass in kg			CHF
0	up to		1000	20.00
1	from	1001	to 1500	30.00
2	from	1501	to 2000	46.00
3	from	2001	to 3000	65.00
4	from	3001	to 4000	72.00
5	from	4001	to 5000	85.00
6	from	5001	to 6000	94.00
7	from	6001	to 7000	107.00
8	from	7001	to 8000	117.00
9	from	8001	to 9000	130.00
10	from	9001	to 10000	140.00
11	from	10001	to 11000	153.00
12	from	11001	to 12000	162.00
13	from	12001	to 13000	175.00
14	from	13001	to 14000	185.00
15	from	14001	to 15000	198.00
16	from	15001	to 16000	207.00
17	from	16001	to 17000	220.00
18	from	17001	to 18000	233.00
19	from	18001	to 19000	246.00
20	from	19001	to 20000	259.00
21	from	20001	to 21000	272.00
22	from	21001	to 22000	285.00
23	from	22001	to 23000	298.00
24	from	23001	to 24000	311.00
25	from	24001	to 25000	324.00
26	from	25001	to 26000	337.00
27	from	26001	to 27000	350.00
28	from	27001	to 28000	363.00
29	from	28001	to 29000	376.00
30	from	29001	to 30000	389.00
31	from	30001	to 31000	402.00
32	from	31001	to 32000	414.00
33	from	32001	to 33000	427.00
34	from	33001	to 34000	440.00

Annex 1					
Landing charge based on the MTOM of aircraft					
Class	Maximum Take-Off Mass in kg			CHF	
35	from	34001	to	35000	453.00
36	from	35001	to	36000	466.00
37	from	36001	to	37000	479.00
38	from	37001	to	38000	492.00
39	from	38001	to	39000	505.00
40	from	39001	to	40000	518.00
41	from	40001	to	41000	531.00
42	from	41001	to	42000	544.00
43	from	42001	to	43000	557.00
44	from	43001	to	44000	570.00
45	from	44001	to	45000	583.00
46	from	45001	to	46000	596.00
47	from	46001	to	47000	608.00
48	from	47001	to	48000	621.00
49	from	48001	to	49000	634.00
50	from	49001	to	50000	647.00
51	from	50001	to	51000	660.00
52	from	51001	to	52000	673.00
53	from	52001	to	53000	686.00
54	from	53001	to	54000	699.00
55	from	54001	to	55000	712.00
56	from	55001	to	56000	725.00
57	from	56001	to	57000	738.00
58	from	57001	to	58000	751.00
59	from	58001	to	59000	764.00
60	from	59001	to	60000	777.00



## Annex 2

Annex 2							
Parking charge based on the MTOM of Aircraft							
Class	Maximum Take-Off Mass in kg			Grass Parking		Hard Surface	
				CHF / hr <sup>1)</sup>	CHF / day	CHF / hr <sup>1)</sup>	CHF / day
				(excl. VAT)			
0	up to		1000	2.00	12.00	3.00	36.00
1	from	1001	to 1500	2.50	14.00	3.00	36.00
2	from	1501	to 2000	--	--	3.00	36.00
3	from	2001	to 3000	--	--	3.00	50.00
4	from	3001	to 4000	--	--	3.00	50.00
5	from	4001	to 5000	--	--	3.00	50.00
6 - 10	from	5001	to 10000	--	--	7.00	100.00
11 - 15	from	10001	to 15000	--	--	10.00	150.00
16 - 20	from	15001	to 20000	--	--	10.00	180.00
21 - 25	from	20001	to 25000	--	--	10.00	220.00
26 - 30	from	25001	to 30000	--	--	16.00	300.00
31 - 35	from	30001	to 35000	--	--	18.00	300.00
36 - 40	from	35001	to 40000	--	--	20.00	300.00
41 - 45	from	40001	to 45000	--	--	22.00	300.00
46 - 50	from	45001	to 50000	--	--	24.00	300.00
51 - 55	from	50001	to 55000	--	--	26.00	300.00
56 - 60	from	55001	to 60000	--	--	30.00	350.00
Free parking time				1 hr		1 hr	
RMK: 1)	Applied the first day until 2300 (2200) on amounts smaller than the daily charge for one day.						

## Annex 3

Annex 3					
Operating time surcharge					
Class	Maximum Take-Off Mass in kg			Type (A)	Type (B)
				0601 - 0700 (0501 - 0600) 1901 - 2100 (1801 - 2000) CHF	2101 - 0600 (2001 - 0500) CHF
0 - 2	up to		2000	144.00	240.00
3 - 5	from	2001	to 5000	180.00	300.00
6 - 10	from	5001	to 10000	240.00	400.00
11 - 30	from	10001	to 30000	300.00	500.00
31 - 50	from	30001	to 50000	360.00	600.00
> 50	from	50001		420.00	700.00
RMK:	If landing and departure are not separated by more than one hour the charge is reduced by 25%.				

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