LEDA AD 2 AERODROME DATA

LEDA AD 2.1 AERODROME LOCATION INDICATOR AND NAME

LEDA - LLEIDA/Alguaire

LEDA AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP	414341N 0003207E. See AD 2-LEDA ADC.
2	Distance and direction from the city	16 km NW.
3	Elevation	351 m / 1152 ft.
4	Geoid undulation	50 m ± 0.05 m (1).
5	Reference temperature	32°C.
6	Low average temperature	4°C.
7	Magnetic variation	2°E (2025).
8	Annual change	9.1'E.
9	AD administration	Aeroports de Catalunya.
10	Address	Aeropuerto de Lleida / Alguaire - 25125, Alguaire (Lleida).
11	TEL	+34-973 032 700
12	FAX	+34-973 032 768
13	AFTN	LEDA
14	E-mail	cecoa@leda.cat
15	Approved traffic	IFR/VFR. (2)
16	Remarks	SITA: ILDAPXH (1) For all AD points. (2) During the periods of time in which the aerodrome is not controlled, only VFR or night VFR flights are permitted. See item 20. Local Regulations.

LEDA AD 2.3 OPERATIONAL HOURS

1	Airport (1)	V: 0600-1800 I: 0700-1700 (2) (3).
2	Customs and Immigration	HR AD 48 HR PPR.
3	Health and Sanitation	No.
4	AIS/ARO	HR AD.
5	MET briefing	HR ATS.
6	ATS	V: 0600-1800 I: 0700-1700 O/T: PPR 48HR before the operation.

7	Fuelling	Variable depending on needs. Consult CECOA (cecoa@leda.cat). O/T: PPR 48 HR before refuelling to: • TEL: +34-682 672 154; +34-622 224 818; +34-973 032 740 / 741. • E-mail: ild@skytanking.com; angel.ganso@skytanking.com
8	Handling	HR ATS. Other HR PPR 48 HR to: • TEL: +34-973 032 740 / 741 • FAX: +34-973 032 768
9	Security	H24.
10	De-icing	No.
11	Remarks	(1) In the event that the ATS schedule is extended, the airport's schedule will be extended accordingly to completely cover it. (2) Possible temporary closures during airport operational hours which will be communicated via NOTAM. (3) Apron management service (SDP): provided by CECOA.

LEDA AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo facilities	No.
2	Fuel types	JET A-1, AVGAS 100LL.
3	Oil types	No
4	Refuelling capacity	JET A-1: 2 tankers 35000 L, 15 L/s. AVGAS 100LL: 1 tanker 8000 L, 3.3 L/s.
5	De-Icing facilities	No.
6	Hangar space	No.
7	Repair facilities	Yes. Maintenance Service Area AERONPARK • TEL: +34-973 070 710 • E-mail: info@aeronpark.com Maintenance apron Sector 1 • TEL: +34-973 032 741 • E-mail: cecoa@leda.cat
8	Remarks	None.

LEDA AD 2.5 PASSENGER FACILITIES

1	Hotels	No.
2	Restaurant	Yes.
3	Transportation	Taxi.
4	Medical facilities	First aid kit.
5	Bank/Post Office	No / No.

6	Tourist information	Yes.
7	Remarks	None.

LEDA AD 2.6 RESCUE AND FIREFIGHTING SERVICES

1	Fire category	HR AD: CAT 7: FRI, SUN. CAT 4: MON, TUE, WED, THU, SAT. Other categories, PPR 48H before the operation notifying to CECOA. (1)
2	Rescue equipment	According to the fire category published.
3	Removal of disabled aircraft	Service provided by external companies in the area, response time between 30 and 60 minutes. Load capacity up to 300T. (2)
4	Remarks	(1) CAT 8: Scheduled flights: PPR 15 days before the expected day of operation notifying to CECOA. Non-scheduled flights: PPR 3 days before the expected day of operation notifying to CECOA. • CECOA: TEL: +34-973 032 740 / 741 • Commercial Dept. TEL: +34-933 278 638 (2) Responsible for coordinating the aircraft transfer operation: Head of Operations. Contact through the Airport Operations office: • TEL: +34-973 032 740 / 741 • E-mail: cecoa@leda.cat

LEDA AD 2.7 RUNWAY SURFACE CONDITION ASSESSMENT AND REPORTING, AND SNOW PLAN

1	Types of clearing equipment	Not applicable.
2	Clearance priorities	Not applicable.
3	Use of material for movement area surface treatment	Not applicable.
4	Specially prepared winter runways	Not applicable.
5	Remarks	Runway surface condition assessment and reporting in accordance with the Global Reporting Format (GRF) methodology described in AD 1.2.2. Aerodrome in service during all seasons of the year.

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

1	Apron	Surface: Concrete. Strength: PCN 50/R/C/W/T.
2	Taxiways	Width: TWY A: 23 m. Surface: TWY A: Asphalt. Strength: TWY A: PCN 51/F/A/W/T.
3	Check locations	Altimeter: Apron: ELEV: 349 m / 1144 ft. VOR: No. INS: See AD 2-LEDA PDC.
4	Remarks	None.

LEDA AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Taxiing guidance system	Runway-holding position (A1), directional signs to stands, boards, stands and NO ENTRY markings.
2	RWY markings	Designators, threshold, displaced threshold RWY 31, centre line, side stripe, aiming point, touchdown zone and pre-threshold area.
3	TWY markings	Enhanced center line and side strip.
4	Remarks	None.

LEDA AD 2.10 AERODROME OBSTACLES

In approach/take-off, circling and AD areas

DESIGNATION	DESCRIPTION	COORDINATES	ELEV / HGT (M)	MARKED
LLD-OBS13-0204-2008	Antenna	414412.4N 0003122.3E	350 / 3	Yes
LLD-OBS31-0321-2008	Fence	414253.2N 0003316.2E	370 / 2	No
LLD-OBS31-0322-2008	Fence	414254.0N 0003316.4E	369 / 2	No
LLD-MEGA-0192-2008	Mega tower	414348.5N 0003226.6E	381 / 32	Yes
LLD-MEGA-0195-2008	Mega tower	414346.7N 0003229.2E	381 / 32	Yes
LLD-MEGA-0196-2008	Mega tower	414344.9N 0003231.7E	381 / 32	Yes
LLD-MEGA-0197-2008	Mega tower	414343.0N 0003234.4E	381 / 32	Yes
LLD-OBS-0218-2008	Building	414343.8N 0003233.6E	356 / -	No
LLD-OBS-0219-2008	TWR	414341.8N 0003236.7E	392 / -	No
LLD-OBS-0220-2008	Building	414340.3N 0003238.6E	356 / -	No
LLD-WDI-0406-2009	Wind indicator	414406.8N 0003135.1E	357 / 8	Yes
LLD-WDI-0414-2009	Wind indicator	414314.4N 0003239.8E	357 / 8	Yes
LLD-OBS-0562-2009	Antenna	414340.4N 0003238.6E	360 / -	No
LLD-OBS-0563-2009	Antenna	414340.9N 0003236.9E	359 / 10	No
LLD-OBS-0566-2009	Antenna	414343.7N 0003233.9E	360 / -	No
LLD-OBS-0567-2009	Antenna	414341.8N 0003236.8E	394 / -	No

Remarks: See AD 2-LEDA AOC.

LEDA AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	MET office	Lleida EMAe.
2	HR	HR ATS. Outside these hours, a half-hourly METAR AUTO will be issued.
3	METAR	Half-hourly.

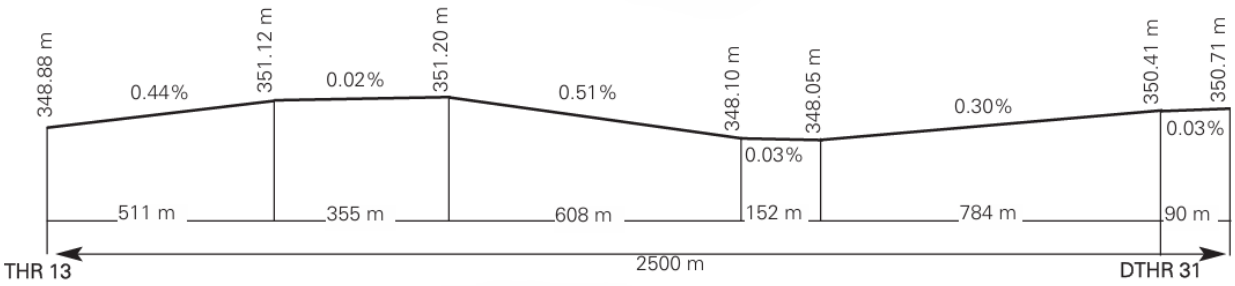
4	TAF	24 HR.
5	TREND	No.
6	Briefing	In person and by telephone.
7	Flight documentation/Language	Charts and plain language / Spanish.
8	Charts	Significant, forecasted in altitude (wind and temperature) maps.
9	Supplementary equipment	Clouds and lightnings image and radar information display.
10	ATS unit served	TWR.
11	Additional information	Valencia OMAe (LEVA): H24 • TEL: +34-963 690 750 Lleida EMAe: HR AD • TEL: +34-973 179 500
12	Remarks	Aerodrome warnings available. During not on the spot hours the following service will be provided: • Observation data of field equipment and QNH in TWR and on the local weather information display screen. • Aeronautical meteorological self-reporting service. • Telephone consultation service with the MET LERS AD office. • Aerodrome bulletin warnings of adverse phenomena.

LEDA AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

RWY	Direction	DIM (m)	THR PSN	THR ELEV TDZ ELEV	SWY (m)	CWY (m)	Strip (m)	OFZ	RESA (m)	RWY/SWY SFC PCN
13 (1)	133.33° GEO 132° MAG	2500 x 61	414408.37N 0003128.13E	THR: 349 m/1145 ft TDZ: No	No	No	2620 x 300	No	240 x 150	RWY: ASPH PCN 51/F/A/W/T. SWY: No
31 (2)	313.35° GEO 312° MAG	2500 x 61	414314.76N 0003243.96E	THR: 350.4 m/1150 ft TDZ: 350.4 m/1150 ft	No	No	2620 x 300	No	240 x 150	RWY: ASPH PCN 51/F/A/W/T. SWY: No

Remarks:
(1) End RWY 13 coordinates: 414312.71N 0003246.91E.
(2) THR RWY 31 displaced 90 m.

12.1 PROFILE



LEDA AD 2.13 DECLARED DISTANCES

RWY	TORA (m)	TODA (m)	ASDA (m)	LDA (m)
13	2500	2500	2500	2500
31	2500	2500	2500	2410
31 INT A	1512	1512	1512	–
Remarks: None.				

LEDA AD 2.14 APPROACH AND RUNWAY LIGHTING

1	Runway	13
2	Approach	Simple, 420 m.
3	PAPI (MEHT)	3° (16.37 m / 54 ft).
4	Threshold	Green.
5	Touchdown zone	No.
6	Runway centre line	2500 m: 1600 m white + 600 m white and red + 300 m red. Distance between lights: 30 m. (1)
7	Runway edge	2500 m = 1900 m white + 600 m yellow. Distance between lights: 50 m. (1)
8	Runway end	Red.
9	Stopway	No.
10	Remarks	Halogen lights. (1) Adjustable intensity lights.

1	Runway	31
2	Approach	Precision CAT I, 900 m. Threshold identification lights. (1)
3	PAPI (MEHT)	3° (16.97 m / 56 ft).
4	Threshold	Green.
5	Touchdown zone	No.
6	Runway centre line	2410 m: 1510 m white + 600 m white and red + 300 m red. Distance between lights: 30 m. (1)
7	Runway edge	2410 m = 1810 m white + 600 m yellow. Distance between lights: 50 m. (1)
8	Runway end	Red.
9	Stopway	No.
10	Remarks	Halogen lights. (1) Adjustable intensity lights.

LEDA AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN	No.

2	WDI	1 near THR 13, 1 near THR 31. LGTD.
3	TWY lighting	Edge. (1)
4	Apron lighting	4 poles with 6 floodlighting. LIH. (1)
5	Secondary power supply	Engine generators that provide a maximum switch-over (light) time of 15 s for emergency services / Uninterrupted Power Supply (UPS) with switch-over (light) time of 0 s for approach lights, PAPI, threshold, centre line, edge, runway end and protection lights.
6	Remarks	(1) LED technology lighting system.

LEDA AD 2.16 HELICOPTER LANDING AREA

1	Position	Geoid undulation, see item 2. • FATO: RWY 13/31. Coordinates THR 13 and THR 31, see item 12. • Air taxiing: TLOF coincident with PRKG H1 and PRKG 2. • Ground taxiing: TLOF same as RWY 13/31. Coordinates ARP, see item 2.
2	Elevation	• FATO: RWY 13/31. Elevation THR 13 and THR 31, see item 12. • Air taxiing: TLOF coincident with PRKG H1 and PRKG 2. Apron elevation, see item 8. • Ground taxiing: TLOF same as RWY 13/31.
3	Dimensions, surface, maximum weight, marking	• FATO: RWY 13/31. See items 9 and 12. • Air taxiing: TLOF coincident with PRKG H1 and PRKG 2. See items 8 and 9. • Ground taxiing: TLOF same as RWY 13/31. See items 9 and 12.
4	Taxiways	See items 8 and 9.
5	Direction	FATO: RWY 13/31. See item 12.
6	Declared distances	FATO: RWY 13/31. See item 13.
7	Lighting	• FATO: RWY 13/31. See item 14. • Air taxiing: TLOF coincident with PRKG H1 and PRKG 2. See item 15. • Ground taxiing: TLOF same as RWY 13/31. See item 14. Taxiways: See items 8 and 9.
8	Remarks	None.

LEDA AD 2.17 AIR TRAFFIC SERVICES AIRSPACE

1	Designation and lateral limits	CTR LLEIDA. Circle radius 6 NM centred on ARP. (1)
2	Vertical limits	SFC-3000 ft ALT.
3	Airspace class	D.
4	Unit	LLEIDA TWR (2).
5	Language	ES/EN.
6	Transition altitude	1850 m / 6000 ft.

7	Hours of applicability	_<_HR ATS.
9	Remarks	(1) During the periods of time in which the aerodrome is not controlled, the CTR disappears. (2) Call sign: Lleida TWR. HR ATS: see item 3.

1	Designation and lateral limits	ATZ LLEIDA (RMZ)_<_. Circle radius 8 km centred on ARP_<_(3).
2	Vertical limits	SFC-MAX ALT VFR SECTOR.
3	Airspace class	G.
4	Language	ES/EN.
5	Hours of applicability	_<_ATZ is only available outside of ATS hours.
6	Remarks	_<_ _<_(3) Or the ground visibility, whichever is lower.

LEDA AD 2.18 AIR TRAFFIC SERVICES COMMUNICATION FACILITIES

Service	Call sign	FREQ	HR	Remarks
APP	Barcelona Control	127.700 MHz	HR ATS	APP/H
TWR	Lleida TWR (1)	121.330 C (2)	HR ATS	-
		121.500 MHz	HR ATS	EMERG
		121.630 C	HR ATS	GMC (1) TWR operation in limited hours. See item 3. (2) Out of TWR operation hours, this frequency will be used for communications between pilots considering NO ATS as frequency. See item 20. Local regulations.

LEDA AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Facility (VAR)	ID	FREQ	HR	Coordinates	ELEV DME	Remarks
DVOR (2° E)	LLE	113.600 MHz	H24	414347.2N 0003138.6E	-	-
DME	LLE	CH 83X	H24	414347.2N 0003138.6E	360 m	-
NDB (2° E)	LRD	404.000 KHz	H24	413310.5N 0003852.9E	-	COV 50 NM
LOC 31 ILS CAT I (2° E)	ILL	110.900 MHz	H24	414414.5N 0003119.5E	-	132° MAG / 275 m FM THR 13. COV 25 NM
GP 31		330.800 MHz	H24	414319.5N 0003230.8E	-	3°; RDH 15.9 m; at 338 m FM THR 31 & 103 m FM RCL on the left in APCH direction. COV 25 NM
ILS/DME 31	ILL	CH 46X	H24	414319.5N 0003230.8E	354 m	REF DME THR 31

LEDA AD 2.20 LOCAL AERODROME REGULATIONS

Airport with Aerodrome Control Service during limited hours (see item 3). During the periods of time in which the airport is not controlled:

- VFR/IFR approach and take-off/take-off practice flights, shall be authorised on a restricted basis according to the air traffic situation.
- Only VFR flights are permitted. Night VFR flights are permitted subject to PPR 48 HR, to the following e-mail address: cecoa@leda.cat.
- VFR flights will monitor the TWR frequency 121.330 C (NO ATS frequency during this time) and will transmit their intentions thereon, as well as the evolution of different phases of their flight, for knowledge and where appropriate, separation by other aircraft that are part of the aerodrome traffic.
- None of the airport's aeronautical stations will respond or confirm receipt of these communications.
- Departing VFR flights will comply with the VFR procedures in TMA Barcelona published in the ENR 6.5-11. When leaving the ATZ they will monitor on frequency 127.700 MHz and will not call unless necessary.
- Departing VFR flights intending to continue their IFR flight will formulate a "Z" flight plan and request ATC clearance from BARCELONA ACC on frequency 127.700 MHz before take-off. Arriving IFR flights will formulate a "Y" flight plan and will be approved by BARCELONA ACC until DVOR LLE at a 4000 ft. altitude, where they will cancel IFR and continue on VFR.
- The control tower in its frequency will spread a message announcing the beginning and end of the provision of the Control Service.

Airport with reduced meteorological service (see item 3). During not on the spot hours the service provided will be that specified in the Remarks section of item 11.

20.1 TURNING ON RUNWAY

A 180° turn on RWY is permitted from sunrise to sunset and outside low visibility conditions (LVP).

Aircraft requesting to make this turn shall notify TWR when landing on RWY 31. Maximum permitted aircraft DA42.

20.2 GROUND MOVEMENT

Outside ATS hours, pilots must contact CECOA for the assignment of parking stands on 121.630 MHz.

1. All ground movements of aircraft, towed aircraft, persons and vehicles in the manoeuvring area are subject to prior ATC clearance. Aircraft guidance from the apron transfer point to the parking stand is provided if so requested by the pilot or TWR.
2. All movements of aircraft, towed aircraft, persons and vehicles on the apron shall be regulated by the Apron Safety Regulations.
3. Avoidance of collisions with other aircraft or obstacles is the responsibility of:
    1. Pilots, when taxiing on the apron.
    2. Ground handling companies during parking stand exit manoeuvres with push-back, and during towing.

TWR clearances and instructions must be read back.

20.3 TAXIING RESTRICTIONS ON APRON

Aircraft classification according to chapter 1 of Annex 14 ICAO:

- Code letter D: wingspan equal or greater than 36 m, and less than 52 m.
- Code letter C: wingspan equal or greater than 24 m, and less than 36 m.
- Code letter B or below: wingspan less than 24 m.

Access to the apron is limited to a maximum code letter D aircraft (B753), taking into account their parking restrictions.

Limitation on apron taxiing for circulation of code letter C aircraft going to Sector 1 with PRKG 1A occupied.

Weight limitation on apron:

- B738: 74000 kg.

- A21N: 75000 kg.

20.4 OPERATIONAL SAFETY REPORTS

In the specific instance of safety reports related with the air traffic control service provider (manoeuvring area, flight phases and ATS airspace) these may be sent to the e-mail address:

safety@skyway-ans.com

20.5 TAKE-OFFS FROM INTERSECTION

Take-off operations are permitted from the intersection of RWY 31 with TWY A (see distances in item 13).

Aircraft must request this from ATC at the moment of start-up.

An informational board is provided at the intersection stating the distance available for take-off.

Take-offs from the intersection will only be permitted between sunrise and sunset and in the absence of LVC.

LEDA AD 2.21 NOISE ABATEMENT PROCEDURES

No.

LEDA AD 2.22 FLIGHT PROCEDURES

Threshold RWY 31 is preferred for take-offs of code letter C or higher aircraft.

22.1 RESTRICTIONS TO HELICOPTERS

Helicopter air taxiing is allowed.

Landing will be accomplished on the RWY in use. Air taxiing will take place from the RWY to the stand on TWY A.

Helicopters will park on the apron in the parking position indicated by the ATS unit.

22.2 STANDSTILL OF OPERATIONS IN THE MOVEMENT AREA PROCEDURE (PPOAM)

A "Standstill of Operations in the Movement Area Procedure for RVR lower than 550 m" (PPOAM 550) is available, which consists of the following phases:

CONDITIONS FOR THE ACTIVATION OF EACH OF THE PHASES OF THE PPOAM		
PHASES	RVR	VISIBILITY
PHASE I (WARNING)	≤ 800 m	≤ 1200 m
PHASE II (STANDSTILL OF OPERATIONS)	< 550 m	< 800 m
PHASE III (RESUMPTION OF OPERATIONS)	≥ 550 m, and there is a firm improving trend	≥ 800 m, and there is a firm improving trend

22.3 INFORMATION FOR PILOTS

1. Uncertainty about position in the manoeuvring area

When in doubt about the position of the aircraft with respect to the manoeuvring area:

- If it is recognised that the aircraft is not on a runway, the aircraft will be immediately stopped and ATC will be notified of this circumstance (including the last known position).
- If it is recognised that the aircraft is on a runway, ATC will be notified immediately (including the last known position) and the runway will be vacated, as soon as possible, provided it is possible to locate an appropriate taxiway close to its position, unless ATC indicates otherwise; and, following this, the aircraft will stop.

1. Failure of an aircraft

Notify ATC of the situation and wait for the arrival of assistance. In the case that the aircraft is on a runway, if possible and unless

ATC indicates otherwise, the pilot will vacate the runway.

1. Loss of visual contact between traffic

In the case of loss of visual contact with another aircraft or a vehicle with which own separation is being maintained, ATC will be informed immediately and the aircraft will stop.

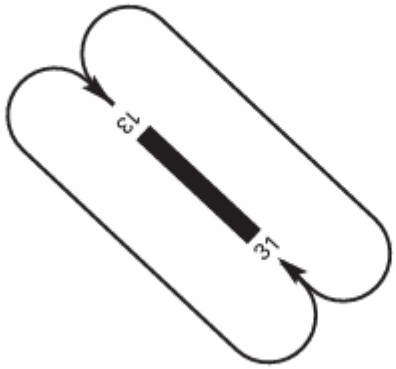
1. Communications failure

- Departing aircraft: the aircraft shall continue by the designated route and stop at the limit of the ATC clearance, taking extreme caution. Here it will hold and wait for the arrival of an assistance vehicle.
- Arriving aircraft: if the aircraft has just landed, it shall hold in the first segment of the taxiway which leaves the ILS sensitive area free and wait for the arrival of an assistance vehicle.
- If the aircraft already has ATC taxiing clearance, it shall continue by the designated route and stop at the limit of that clearance, taking extreme caution. Here it will hold and wait for the arrival of an assistance vehicle.

22.4 ATS SURVEILLANCE SYSTEM

The air traffic controllers at the aerodrome shall maintain a constant visual surveillance over all the operations at the AD or its vicinity. An ATS surveillance system is available in support of such visual observation above 2300 ft AMSL, for the monitoring of flight paths of aircraft operating within LEDA CTR, as stipulated in article 4.5.1.3 of the Reglamento de la Circulación Aérea.

22.5 AD TRAFFIC CIRCUIT



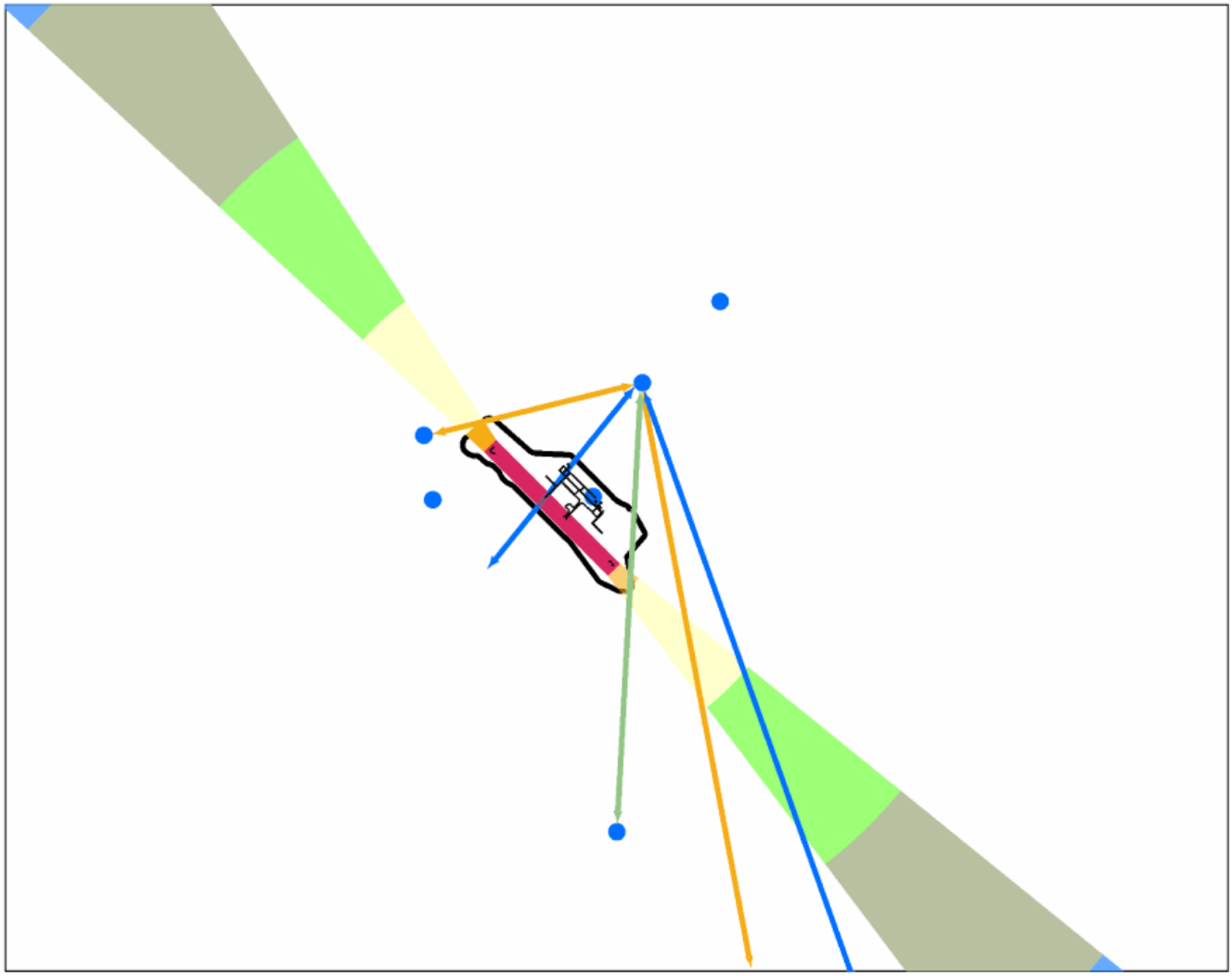
LEDA AD 2.23 ADDITIONAL INFORMATION

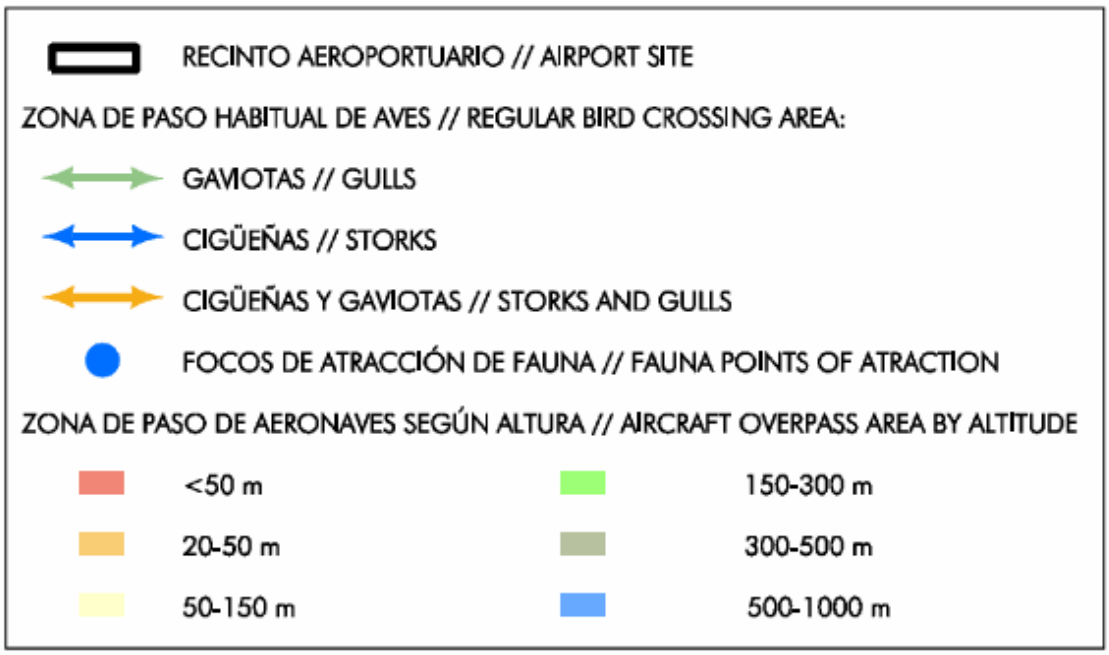
The airport of Lleida/Alguaire has the appropriate means and local procedures to handle aircraft with code letter D, up to maximum B753. The turning speed for aircraft with code letter D on turn pads is limited to 21 Km/h.

For operations of code letter E aircraft without cargo or passengers, contact the airport manager at cecoa@aeroportlleida.cat.

23.1 BIRD CONCENTRATION AREAS AND FLOW

Presence of storks and gulls in the following areas.





LEDA AD 2.24 AERONAUTICAL CHARTS RELATED TO AN AERODROME

The list of charts related to the aerodrome can be found on the link below:

https://aip.enaire.es/AIP/#LEDA

LEDA AD 2.25 VISUAL SEGMENT SURFACE (VSS) PENETRATION

The instrument approach procedures affected can be found below:

- IAC 1 RNP Z RWY 13 (LPV ONLY): LPV.
- IAC 2 RNP Y RWY 13: LNAV/VNAV.
- IAC 3 VOR RWY 13: direct approach.
- IAC 6 ILS RWY 31: direct approach.
- IAC 7 LOC RWY 31: direct approach.
- IAC 8 VOR RWY 31: direct approach.