

L-DCS - Local Departure Control System

Edge Airport France

Table of Contents

- L-DCS - Local Departure Control System**
- Features**
- Description
- Weight & balance**
- LDCS - Main Screen
- Cabin Plans**
- PNL -Integrating passenger lists**
- Check-in
- Automatic flight selection
- Boarding
- Loadsheet
- Edge Airport France**

L-DCS - Local Departure Control System



IATA / CUPPS compliant

Features

- integration of IATA messages - PNL, ADL...;
- graphical management of cabin plans;
- passenger tracking (PAXTracer);
- supports APIS and EBorders ;
- generating and sending operational messages PFS, LDM, FTL, ETL ...;
- baggage reconciliation;
- Weight & Balance;
- generate load sheets.

Description

Airport Manager LDCS is a passenger check-in system for low-cost airlines. Chaque banque d'enregistrement peut gérer simultanément plusieurs vols. Each check-in workstation desk can simultaneously register several flights.

The programme is compatible with the use of multiple peripherals.

- MS : Magnetic Swipe Reader ;
- OC : LePassport Readers (Optical Character Reader) ;
- BC : Bar Code Reader;
- BP : Boarding Pass Printer (BPP) ;
- BT : Baggage Tag Printer (ATB);
- BG : Boarding Gate Reader (BGR) ;
- PR : Matrix printers for operational documents.

Weight & balance

The L-DCS includes a «Weight & Balance» module, allowing the calculation of load and trim results. It calculates the load and trim and produces the plane loading expressed in %MAC. The results are sent in Excel spreadsheets, which produces a load sheet.

Use of 'Weight & Balance "module is subject to the certification requirements between Edge-airport and airlines.

LDCS - Main Screen

Flight list per day

IATA Messages for each flight

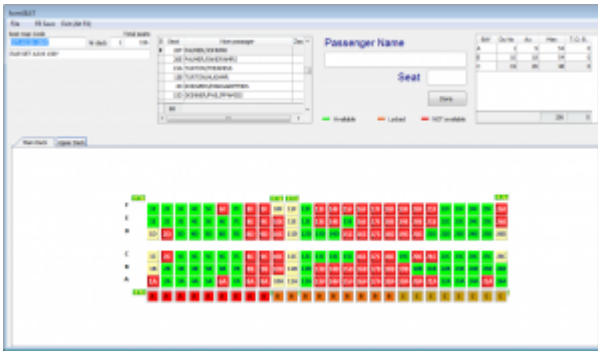


Cabin Plans

The graphic tool facilitates the creation of a cabin plan:

- management of 2 flight decks (principal and superior (B747 or A380));
- multi-classing of passengers;
- positioning of emergency exits;
- blocking of seats;
- zone management



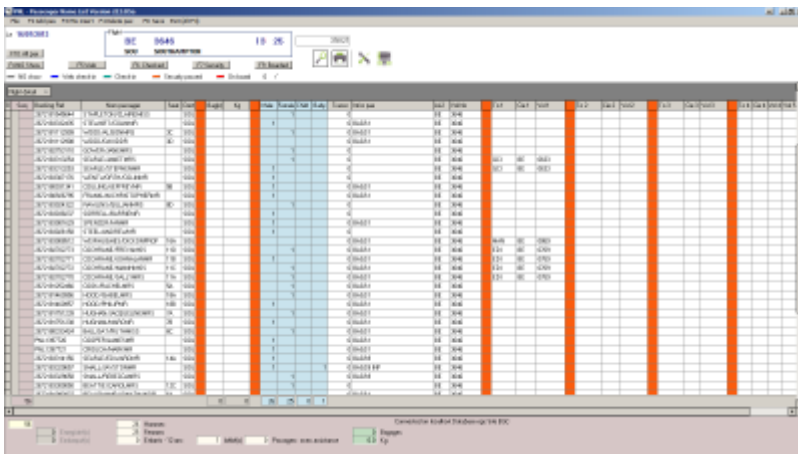


PNL -Integrating passenger lists

LDCS integrates the PNL and ADL messages and thus generates the passengers list. With this tool, it just takes couple minutes to prepare flights on LDCS.

The advantage of this functionality is the automatic recuperation of the following data:

- sequence number for the passengers checked-in online (web check-in);
- name of each passenger and reservation reference or number on E-ticket;
- seat number;
- count of men, women, children (-12 years) and babies;
- specific information (prepaid baggage, wheelchairs ...);
- connecting flights (allows bag tag printing to the final destination).



Passenger No	Passenger Name	Seat	Status	Age	Sex	Weight	Height	Special Services	Baggage	Remarks
1	ALBERTO GARCIA	11A	OK	35	M	75	175		1	
2	ALBERTO GARCIA	11B	OK	35	M	75	175		1	
3	ALBERTO GARCIA	11C	OK	35	M	75	175		1	
4	ALBERTO GARCIA	11D	OK	35	M	75	175		1	
5	ALBERTO GARCIA	11E	OK	35	M	75	175		1	
6	ALBERTO GARCIA	11F	OK	35	M	75	175		1	
7	ALBERTO GARCIA	11G	OK	35	M	75	175		1	
8	ALBERTO GARCIA	11H	OK	35	M	75	175		1	
9	ALBERTO GARCIA	11I	OK	35	M	75	175		1	
10	ALBERTO GARCIA	11J	OK	35	M	75	175		1	
11	ALBERTO GARCIA	11K	OK	35	M	75	175		1	
12	ALBERTO GARCIA	11L	OK	35	M	75	175		1	
13	ALBERTO GARCIA	11M	OK	35	M	75	175		1	
14	ALBERTO GARCIA	11N	OK	35	M	75	175		1	
15	ALBERTO GARCIA	11O	OK	35	M	75	175		1	
16	ALBERTO GARCIA	11P	OK	35	M	75	175		1	
17	ALBERTO GARCIA	11Q	OK	35	M	75	175		1	
18	ALBERTO GARCIA	11R	OK	35	M	75	175		1	
19	ALBERTO GARCIA	11S	OK	35	M	75	175		1	
20	ALBERTO GARCIA	11T	OK	35	M	75	175		1	
21	ALBERTO GARCIA	11U	OK	35	M	75	175		1	
22	ALBERTO GARCIA	11V	OK	35	M	75	175		1	
23	ALBERTO GARCIA	11W	OK	35	M	75	175		1	
24	ALBERTO GARCIA	11X	OK	35	M	75	175		1	
25	ALBERTO GARCIA	11Y	OK	35	M	75	175		1	
26	ALBERTO GARCIA	11Z	OK	35	M	75	175		1	

Check-in

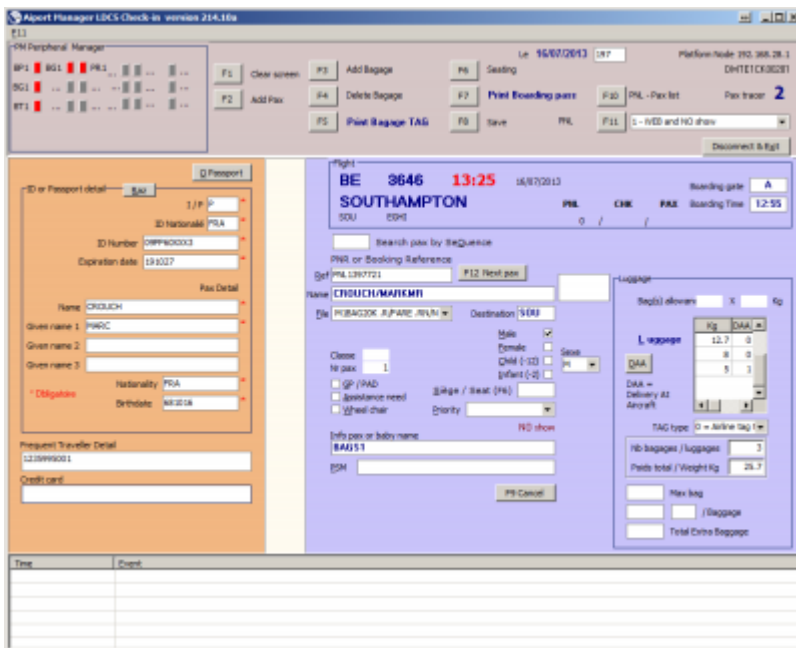
Passenger check-in, boarding passes and bag tags printing is facilitated by ergonomics of the software.

Passenger search can be done in several ways:

- by passing the passenger's passport in the reader;
- by partially composing first few letters of name;
- by displaying passenger list (PNL).

Automatic flight selection

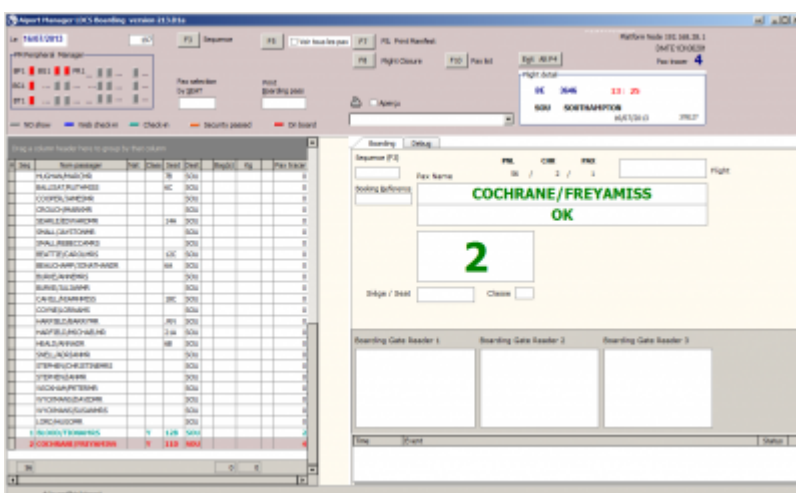
By reading a passenger's passport, the program will automatically find the flight on which the passenger is travelling.



Boarding

L-DCS provides the ability to connect up to 3 BGRs thus allowing fast boarding. The 3rd BGR can be a wireless barcode reader or an automatic gate.

The software can also be used without BGR. Just enter the sequence number of each boarding pass to board a passenger.



Loadsheet

For companies certified to the "Weight & Balance" system, it is possible to generate loadsheet in Excel files.

BASIC WEIGHT		13 411
crew		520
Corrected basic weight		13 530
TAKEOFF FUEL +		2 230
Operational weight		16 150

FLT No: _____
 DATE: 21-06-16
 A/C: ATR72-500
 CPT: _____
 CRW: _____

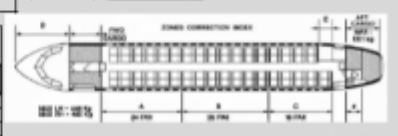
LOAD AND TRIM SHEET F-LDCS

DESTINATION: ORY	
MAXIMUM WEIGHT	Zero fuel: 22 800 / Takeoff: 22 500 / Landing: 22 350
TAKEOFF FUEL	2 230 (Trip fuel: 250)
LIMITATION (Lowest of the 3)	22 030 / 22 500 / 22 800
OPERATIONAL WEIGHT	16 150 / 16 150 / 16 150
LOADING	6 951 / 6 931 / 6 431

DEST	PASSENGERS	TOTAL WEIGHT	CARGO		
	AD CH		LD	MD	APT
HAH	B	0	0	0	0
	C				
	M				
	T	0	0	0	0
	TR				

LAST MINUTE CHANGE LMC	
DATE	WEIGHT
TOTAL LMC +/-	0

BASIC INDEX CORRECTION	
3rd crew mbr index	8.0
WEIGHT VARIATION	D E F
10 KG	0.00 0.00 0.00
15 KG	0.00 0.00 0.00
INDEX CORRECTION	

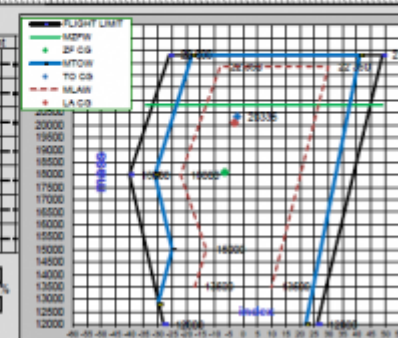


ZONES	NB	weight kg
CABIN A	18	1335
CABIN B	21	1300
CABIN C	12	815
FWD CARGO		220
AFT CARGO		330
FUEL		2 230

Cargo weight (KG) A	550
Passengers weight (KG) B	2 617
LOADING A + B	8 167
Corrected basic weight	13 530
ZERO FUEL WEIGHT	16 140
MAX	20 800
TAKEOFF FUEL	2 230
TAKEOFF WEIGHT	20 330
MAX	22 800
TRIP FUEL	250
LANDING WEIGHT	20 685
MAX	22 350

PREPARED BY	APPROVED BY

ZFW MAC	22.7%
14% max	27%
TOW MAC	24.3%



From:

<http://edgeairport.alwaysdata.net/wiki/> - **Documentation Embross (ex Edge Airport)**

Permanent link:

<http://edgeairport.alwaysdata.net/wiki/doku.php?id=en:solutions:ldcs1&rev=1505206991>

Last update: **12/09/2017 11:03**

Edge Airport France

Airport Manager Solutions

Phone: +33 553 801 366

Service commercial : contact@edge-airport.com

Support technique : support@edge-airport.com

Edge Airport France SAS au capital de 150 000 €

RCS Bergerac 529 125 346 Les Lèches TVA : FR53529125346 / EORI : FR52912534600039

Tel : +33(0)553 801 366 contact@edge-airport.com www.edge-airport.com