

L-DCS - Local Departure Control System

Edge Airport France

Table of Contents

L-DCS - Local Departure Control System	.....
Features	.....
Description	.....
LDCS – Main Screen	.....
Cabin Plans	.....
PNL -Integrating passenger lists	.....
Check-in	.....
Automatic flight selection	.....
Boarding	.....
Weight & balance	.....
Loadsheets	.....
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.

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).

The screenshot shows the Microsoft Access 2003 interface. The title bar indicates the file is 'tbl_00000001.mdb'. The main window displays a table named 'tbl_00000001' with 10 columns. The data is sorted by 'ID' in ascending order. The first row of data is as follows:

ID	Name	Age	Sex	Height	Weight	Blood Pressure	Heart Rate	...
1	John Doe	30	M	180	70	120/80	70	...

The interface includes a menu bar (File, Edit, View, Format, Tools, Window, Help), a toolbar with icons for saving, opening, and other database operations, and a status bar at the bottom showing the current record (1 of 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.

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.

Loadsheet

For companies certified to the “Weight & Balance” system, it is possible to generate loadsheets in Excel files.

BASIC WEIGHT				13 811			
Corrections				300			
Corrected basic weight				13 839			
TAKEOFF FUEL +				250			
Operational weight				16 169			

DEST	PASSENGERS			TOTAL WEIGHT	CARGO		
	AD	CH	TH		LD	IN	APT
HAH	0	0	0	0	0	0	0

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

BASIC INDEX CORRECTION			
3rd crew mbr index	0.0		
WEIGHT VARIATION	ZONES		
10 KG	0.00	0.00	0.00
15 KG	0.00	0.00	0.00
INDEX CORRECTION	-12.00		

ZONES		NO	weight kg
CABIN A	18	1320	
CABIN B	21	1350	
CABIN C	12	913	
FWD CARGO		220	
AFT CARGO		330	

FUEL		2 230
Cargo weight (KG) A	550	
Passenger weight (KG) B	3 617	Corrected weight
LOADING A + B	4 167	
CORRECTED BASIC WEIGHT	13 839	
ZERO FUEL WEIGHT	18 166	
MAX	20 800	
TAKEOFF FUEL	2 230	
TAKEOFF WEIGHT	20 336	
MAX	22 800	
TRIP FUEL	250	
LANDING WEIGHT	20 586	
MAX	22 350	

PREPARED BY		APPROVED BY	
ZFW MAC		22.7%	
14%		21%	
TOW MAC		24.3%	

LOAD AND TRIM SHEET

F-LDCS

DESTINATION: ORY

MAXIMUM WEIGHT	Zero fuel	Takeoff	Landing
20 800	22 300	22 300	22 300
TAKEOFF FUEL	2 230	250	250
TRIP FUEL			
LIMITATION (Lowest of the 3)	20 500	22 500	22 500
OPERATIONAL WEIGHT	18 100	18 100	18 100
LOADING	6 971	6 971	6 971

BASIC INDEX	-12.00

From:

<https://oldwiki.embross-airport-services.com/> - **Documentation Embross (ex Edge Airport)**

Permanent link:

<https://oldwiki.embross-airport-services.com/doku.php?id=en:solutions:ldcs1>

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

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