

L-DCS - Local Departure Control System

Edge Airport France

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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

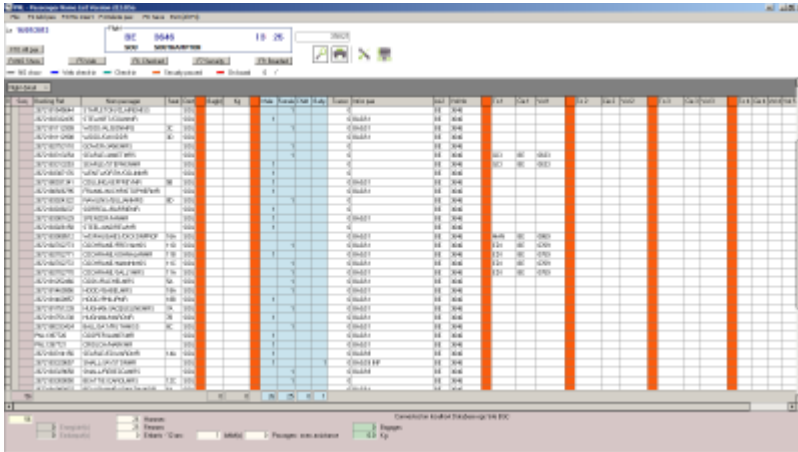


PNL -Integrating passenger lists

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).



Check-in

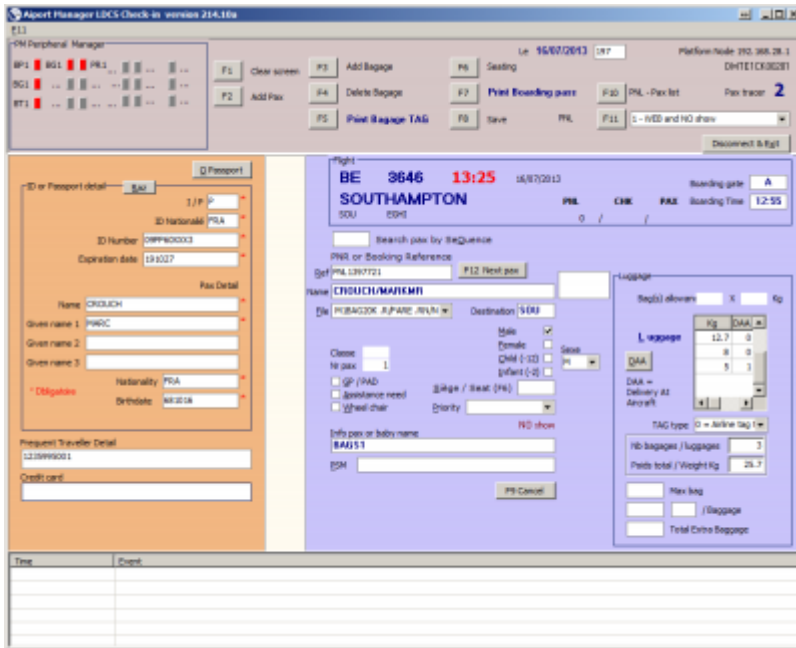
Passenger check-in, boarding passes and bag tags printing is facilitated by ergonomics of the software.

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

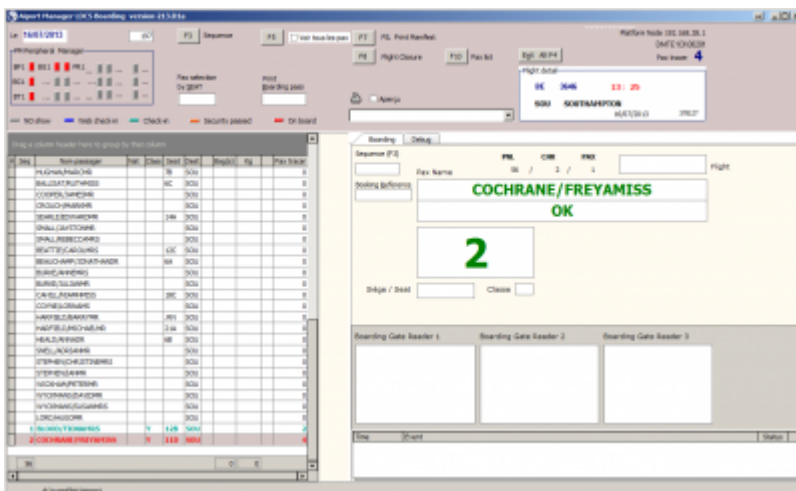
By reading a passenger’s passport, the program will automatically find the flight on which the passenger is travelling.



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 loadsheet in Excel files.

LOAD AND TRIM SHEET F-LDCS

FLT No: _____ DATE: 28-06
A/C: ATR72-500
CPT: _____
CRW: _____

DESTINATION: ORY

BASIC WEIGHT	13 617	MAXIMUM WEIGHT	Zero fuel	20 800	Takeoff	22 500	Landing	22 500
Corrections	000	TAKEOFF FUEL	2 230	TRIP fuel	250			
Corrected basic weight	13 617	LIMITATION (Lowest of the 3)	21 030	22 500	22 500			
TAKEOFF FUEL +	2 230	OPERATIONAL WEIGHT	18 150	18 150	18 150			
Operational weight	16 180	LOADING	4 961	4 961	4 431			

DEST	PASSENGERS			TOTAL WEIGHT	CARGO		
	AD	CH			LD FWD	AW FWD	AFT
HAH	0	0		0	0	0	0

LAST MINUTE CHANGE LMC

DEST	WEIGHT
TOTAL LMC +/-	0

BASIC INDEX CORRECTION

3rd crew mbr index	0.0
WEIGHT VARIATION	
10 KG	0.08
15 KG	0.12

INDEX CORRECTION

CORRECTED INDEX: -12.00

ZONES

ZONES	Nb	weight kg
CABIN A	18	1335
CABIN B	21	1500
CABIN C	12	915
FWD CARGO		220
AFT CARGO		330

FUEL: 2 230

Cargo weight (KG) A	530
Passenger's weight (KG) B	3 617
LOADING A + B	4 147
CORRECTED BASIC WEIGHT	13 617
ZERO FUEL WEIGHT	18 150
MAX	20 800
TAKEOFF FUEL	2 230
TAKEOFF WEIGHT	20 336
MAX	22 800
TRIP FUEL	250
LANDING WEIGHT	20 686
MAX	22 350

PREPARED BY: _____ APPROVED BY: _____

ZFW MAC: 22.7%
LW MAC: 24.3%

The graph plots weight (kg) on the y-axis (12000 to 20000) against a balance index on the x-axis (-60 to 90). It shows flight limits (FLIGHT LIMIT) as a black trapezoid, zero fuel weight (ZFW) as a blue line, and takeoff weight (TOW) as a red line. The current weight is shown as a green dot within the limits.

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