

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

- graphical management of cabin plans;
- integration of IATA messages - PNL, ADL...;
- supports APIS and EBorders ;
- passenger tracking (PAXTracer);
- baggage reconciliation;
- flight documents;
- generating and sending operational messages PFS, LDM, FTL, ETL ...;
- Weight & Balance;
- calculate CG expressed in %MAC;
- 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

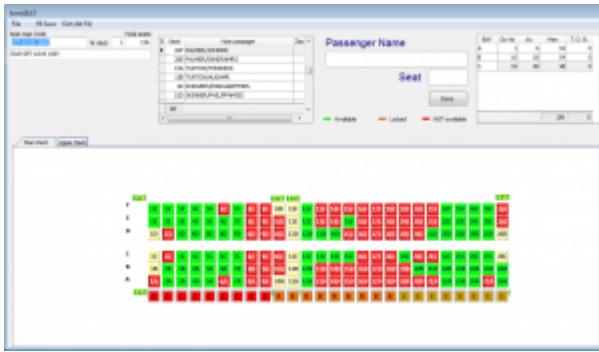


Cabin Plans

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



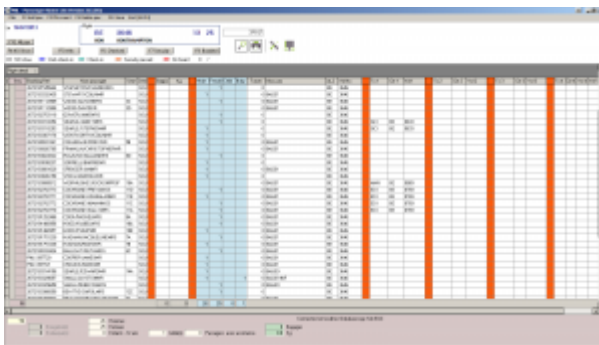


PNL -Integrating passenger lists

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).



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.

The screenshot displays the 'Airport Manager LDCS Check-in version 214.10a' interface. At the top, it shows the date 'Le 16/07/2013' and 'Platform Node 192.168.28.1'. The main area is divided into several sections:

- PM Peripheral Manager:** A grid of status indicators for various peripheral devices (BP1, BG1, PR1, BT1).
- Flight Information:** Displays 'BE 3646 13:25' for flight 'SOUTHAMPTON' on 16/07/2013. The boarding gate is 'A' and the boarding time is '12:55'. The origin is 'SOU' and the destination is 'EGHI'.
- Passport Detail (Q Passport):** Shows 'I / P' status, 'ID Nationalité FRA', 'ID Number 09PP60XXX3', and 'Expiration date 191027'.
- Pax Detail:** Shows 'Name CROUCH', 'Given name 1 MARC', 'Nationality FRA', and 'Birthdate 681016'.
- PNR or Booking Reference:** Shows 'Ref PNL1397721' and 'Name CROUCH/MARKMR'.
- Luggage:** Shows 'Bag(s) allowed X Kg' and a table for luggage details:

Kg	DAA
12.7	0
8	0
5	1
- Other Fields:** Includes 'Classe', 'Nr pax 1', 'Sexe M', 'Siège / Seat (F6)', and 'Info pax or baby name BAGS1'.

At the bottom, there is a table with columns 'Time' and 'Event'.

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.

Airport Manager LDCS Boarding version 213.D1a

Le 16/07/2013 197 F3 Sequence F5 Voir tous les pax F7 P.I.L. Print Manifest Platform Node 192.168.28.1 DMTE1CK00201 Pax tracer 4

PM Peripheral Manager
BP1 BG1 PR1 ...
BG1 ...
BT1 ...

Pax selection by SEAT Print boarding pass

Aperçu

Flight detail:
BE 3646 13:25
SOU SOUTHAMPTON 16/07/2013 378127

NO show Web check-in Check-in Security passed On board

Seq	Nom passager	Nat	Class	Seat	Dest	Bag(s)	Kg	Pax tracer
	HUGHAN/MARCMR			7B	SOU			0
	BALLISAT/RUTHMISS			6C	SOU			0
	COOPER/JAMESMR				SOU			0
	CROUCH/MARKMR				SOU			0
	SEARLE/EDWARDMR			14A	SOU			0
	SMALL/JAYSTONMR				SOU			0
	SMALL/REBECCAMRS				SOU			0
	BEATTIE/CAROLMRS			12C	SOU			0
	BEAUCHAMP/JONATHANDR			6A	SOU			0
	BURKE/ANNEMRS				SOU			0
	BURKE/JULIANMR				SOU			0
	CAHILL/NIAMHMISS			18C	SOU			0
	COYNE/LORNAMS				SOU			0
	HARFIELD/BARRYMR			.RN	SOU			0
	HARFIELD/MICHAELMR			21A	SOU			0
	HEALD/ANNADR			6B	SOU			0
	SNELL/ADRIANMR				SOU			0
	STEPHEN/CHRISTINEMRS				SOU			0
	STEPHEN/IANMR				SOU			0
	WICKHAM/PETERMR				SOU			0
	WYCKMANS/DAVIDMR				SOU			0
	WYCKMANS/SUSANMRS				SOU			0
	LORD/HUGOMR				SOU			0
1	BLOOD/FIONAMRS		Y	12B	SOU			2
2	COCHRANE/FREYAMISS		Y	11D	SOU			4

Boarding Gate Reader 1 Boarding Gate Reader 2 Boarding Gate Reader 3

Sequence (F3) P.I.L. 56 / 2 / 1 CHK PAX Flight
Pax Name COCHRANE/FREYAMISS
Booking Reference OK
2
Siège / Seat Classe

Time	Event	Status

d:\cuppt\bin\airport

Loadsheet

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

LOAD AND TRIM SHEET F-LDCS

BASIC WEIGHT		13 411		FLT Nb:			
Corrections	crew	528		DATE: 24-dec			
				A/C: ATR72-500			
Corrected basic weight		13 939		CPT:			
TAKEOFF FUEL +		2 230		CRW:			
Operational weight		16 169		DESTINATION: ORY			

DEST	PASSENGERS		TOTAL WEIGHT	CARGO			MAXIMUM WEIGHT	Zero fuel	Takeoff	Landing
	AD	CH		LH FWD	RH FWD	AFT		TAKEOFF FUEL	→ Trip fuel	
HAH	0	0	0	0	0	0	20 800			22 350
			0				2 230			250
			0				23 030	22 500	22 600	
			0	0	0	0	16 169	16 169	16 169	
			0	0	0	0	6 881	6 331	6 431	

BASIC INDEX	-12.55
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LAST MINUTE CHANGE LMC			BASIC INDEX CORRECTION			
DEST	SPRICATION	WEIGHT	3rd crew mbr index			
			0.0			
			WEIGHT VARIATION			
			ZONES			
			D	E	F	
			10 KG	-0.09	+0.46	+0.81
			10 KG	+0.09	-0.46	-0.81
TOTAL LMC +/-			INDEX CORRECTION			
			CORRECTED INDEX			
			-12.00			

ZONES	Nb	WEIGHT KG
CABIN A	18	1335
CABIN B	21	1380
CABIN C	12	913
FWD CARGO		220
AFT CARGO		330
FUEL		2 230

Cargo weight (KG) A	550	Corrected weight	
Passengers weight (KG) B	3 617		
LOADING A + B	4 167		
CORRECTED BASIC WEIGHT	13 939		
ZERO FUEL WEIGHT	18 106		
MAX	20 800		
TAKEOFF FUEL	2 230		
TAKEOFF WEIGHT	20 336		
MAX	22 800		
TRIP FUEL	250		
LANDING WEIGHT	20 086		
MAX	22 350		

PREPARED BY	APPROVED BY	ZFW MAC	22.7%
		14% BETWEEN	37%
		TOW MAC	24.3%

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