

L-DCS - Local Departure Control System

Edge Airport France

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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

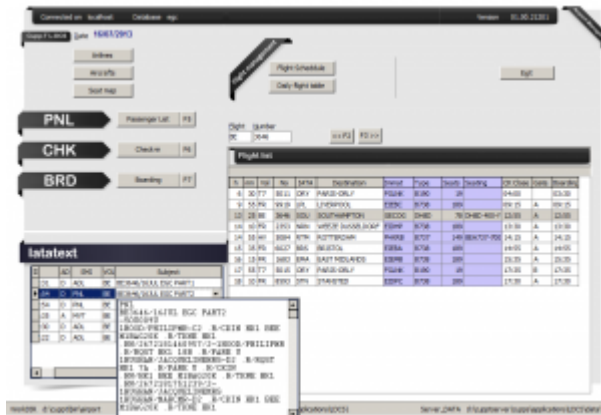
The L-DCS includes a «Weight & Balance» module, allowing the calculation of load and trim results. It calculates the load and trim and produces the plane loading expressed in %MAC. The results are sent in Excel spreadsheets, which produces a load sheet.

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

LDCS - Main Screen

Flight list per day

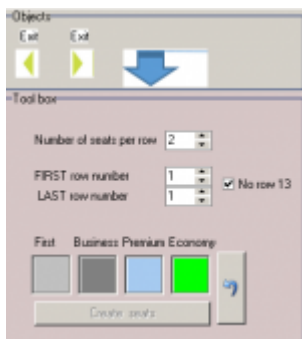
IATA Messages for each flight

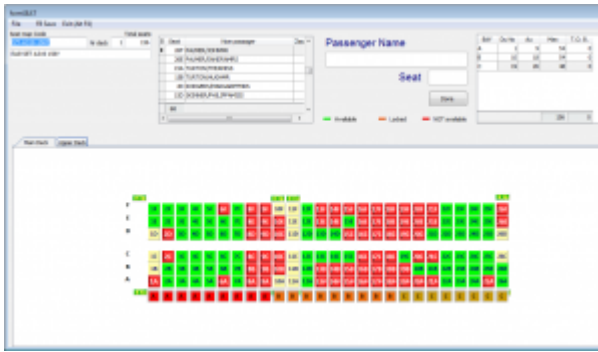


Cabin Plans

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



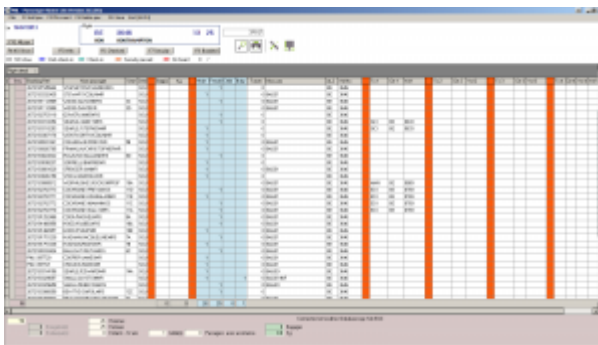


PNL -Integrating passenger lists

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:

1. by passing the passenger's passport in the reader;
2. by partially composing first few letters of name;
3. 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 flight 'BE 3646' to 'SOUTHAMPTON' on '16/07/2013'. It includes boarding gate 'A' and boarding time '12:55'. The origin is 'SOU' and the destination is 'EGHI'.
- Passport Detail (I/P):** Shows ID Nationalité 'FRA', ID Number '09PP60XXX3', and Expiration date '191027'.
- Pax Detail:** Name 'CROUCH', Given name 'MARC', Nationality 'FRA', and Birthdate '681016'.
- PNR or Booking Reference:** Ref 'PNL1397721', Name 'CROUCH/MARKMR', and File 'M1BAG20K .R/FARE .RN/N'.
- Luggage:** A table showing baggage details:

Kg	DAA
12.7	0
8	0
5	1

 Total weight is 25.7 Kg.
- Event Log:** A table at the bottom 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
 Platform Node 192.168.28.1
 DMTE1CK00201
 Pax tracer 4

Le 16/07/2013 197 F3 Sequence F5 Voir tous les pax F7 P.I.L. Print Manifest
 F8 Flight Closure F10 Pax list Exit Alt F4

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

Pax selection by SEAT Print boarding pass
 Aperçu

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

Drag a column header here to group by that column

#	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/TANMR				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

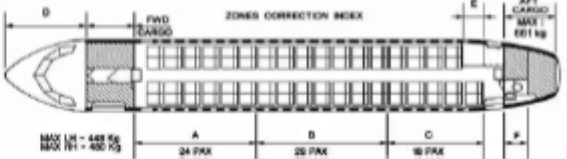
Loadsheet

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						
Corrected basic weight		13 939	A/C: ATR72-500						
TAKEOFF FUEL +		2 230	CPT: _____						
Operational weight		16 169	CRW: _____						
			DESTINATION: ORY						
DEST	PASSENGERS AD CH	TOTAL WEIGHT	CARGO			MAXIMUM WEIGHT	Zero fuel	Takeoff	Landing
			LH FWD	RH FWD	AFT	TAKEOFF FUEL	20 800	22 350	22 350
HAH	0 0	0	0	0	0	2 230	Trip fuel	250	
		0				23 030		22 500	
		0	0	0	0	LIMITATION (Lowest of the 3)			
		0	0	0	0	16 169	16 169	16 169	
		0	0	0	0	OPERATIONAL WEIGHT			
						6 881	6 331	6 431	
						LOADING			
						BASIC INDEX			
						-12.55			

LAST MINUTE CHANGE LMC		BASIC INDEX CORRECTION	
DEST	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	
0		-12.00	



MAX LH - 482 KG
MAX RH - 482 KG

24 FWD | 26 FWD | 10 FWD

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

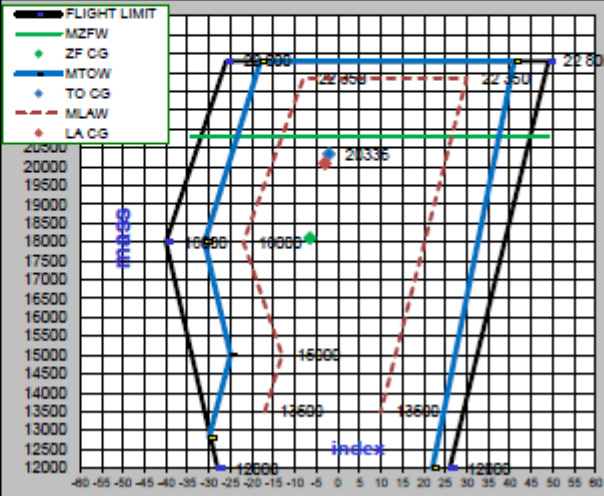
Cargo weight (KG) A	550	Corrected weight
Passengers weight (KG) B	3 617	
LOADING A + B	4 167	
CORRECTED BASIC WEIGHT	13 939	
ZERO FUEL WEIGHT	18 106	
MAX	20 800	
TAKEOFF FUEL	2 230	
TAKEOFF WEIGHT	20 336	
MAX	22 800	
TRIP FUEL	250	
LANDING WEIGHT	20 086	
MAX	22 350	

PREPARED BY	APPROVED BY

ZFW MAC **22.7%**

14% BETWEEN 37%

TOW MAC **24.3%**



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