

L-DCS - Local Departure Control System

Edge Airport France

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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

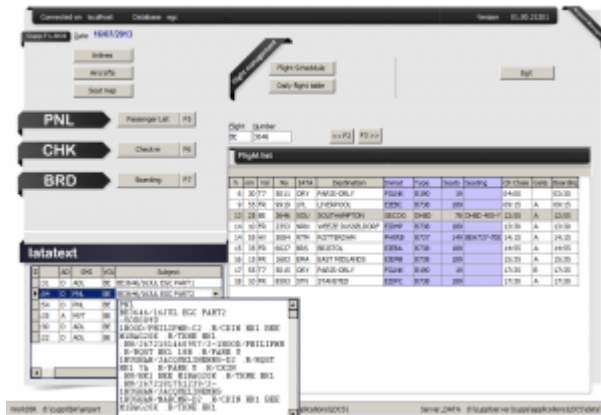
The L-DCS includes a «Weight & Balance» module, allowing the calculation of load and trim results. It calculates the load and trim and produces the plane loading expressed in %MAC. The results are sent in Excel spreadsheets, which produces a load sheet.

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

LDCS - Main Screen

Flight list per day

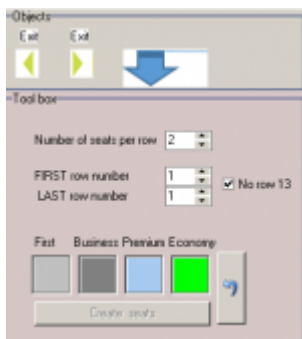
IATA Messages for each flight

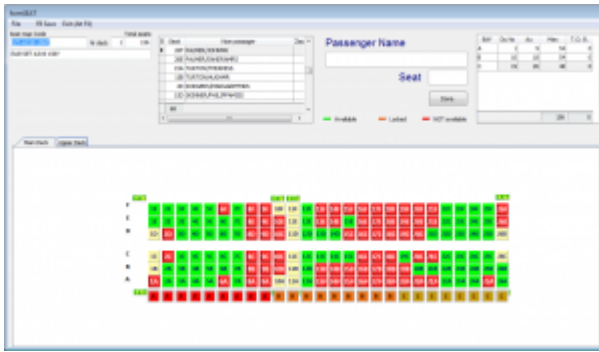


Cabin Plans

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:

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

#	Seq	Booking Ref	Nom passenger	Seat	Dest	Bag(s)	Kg	Male	Female	Child	Baby	Tracer	Infos pax	AL2	Vol No	To 1	Cie 1	Vol 1	To 2	Cie 2	Vol 2	To 3	Cie 3	Vol 3	To 4	Cie 4	Vol 4	Vol 5	
	2672181545644		STAPLETON/CLAIREMISS		SOU					1			0																
	267218332435		STEWART/COLINMR		SOU				1				0	BAGS1	BE	3646													
	2672181112909		WOOD/ALISONMRS	3C	SOU					1			0	BAGS1	BE	3646													
	2672181112908		WOOD/DAVIDDR	3D	SOU								0	BAGS1	BE	3646													
	2672182753110		GOWER/JANEMRS		SOU					1			0		BE	3646													
	2672183313254		SEARLE/JANEMRS		SOU					1			0		BE	3646	GCI	BE	0633										
	2672183313253		SEARLE/STEPHENMR		SOU				1				0		BE	3646	GCI	BE	0633										
	2672183301716		WENTWORTH/COLINMR		SOU					1			0		BE	3646													
	2672180931341		ODULING/EFFREYMR	5B	SOU					1			0	BAGS1	BE	3646													
	2672180926795		FRANKLIN/CHRISTOPHERMR		SOU					1			0	BAGS1	BE	3646													
	2672183024322		RAWLINS/GILLIANMRS	8D	SOU					1			0		BE	3646													
	26721830028237		SOPRELL/GARRIEMR		SOU					1			0		BE	3646													
	2672183001629		SPENCER/IANMR		SOU					1			0	BAGS1	BE	3646													
	26721830026158		STEEL/ANDREWMR		SOU					1			0		BE	3646													
	2672183008512		WEIR/HUGHES/DICKONPROF	16A	SOU								0	BAGS1	BE	3646	MAN	BE	0869										
	2672182702773		COCHRANE/FREYAMISS	11D	SOU					1			0	BAGS1	BE	3646	EDI	BE	0769										
	2672182702771		COCHRANE/IDHNALANMR	11B	SOU					1			0	BAGS1	BE	3646	EDI	BE	0769										
	2672182702772		COCHRANE/NIAMHMIS	11C	SOU					1			0	BAGS1	BE	3646	EDI	BE	0769										
	2672182702770		COCHRANE/SALLYMRS	11A	SOU					1			0	BAGS1	BE	3646	EDI	BE	0769										
	2672181252466		COOK/RACHELMRS	5A	SOU					1			0	BAGS1	BE	3646													
	2672181460956		HOOD/ISABELMRS	18A	SOU					1			0	BAGS1	BE	3646													
	2672181460957		HOOD/PHILIPMR	18B	SOU					1			0	BAGS1	BE	3646													
	2672181751239		HUGHAN/JACQUELINEMRS	7A	SOU					1			0	BAGS1	BE	3646													
	2672181751238		HUGHAN/MARCHMR	7B	SOU					1			0	BAGS1	BE	3646													
	267218033424		BALLISAT/RUTHMISS	6C	SOU					1			0	BAGS1	BE	3646													
	PNL1397720		CODPER/JAMESMR		SOU					1			0	BAGS1	BE	3646													
	PNL1397721		CROUCH/MARKMR		SOU					1			0	BAGS1	BE	3646													
	2672183314156		SEARLE/EDWARDMR	14A	SOU					1			0	BAGS9	BE	3646													
	2672183329657		SMALL/JAYSTONMR		SOU					1		1	0	BAGS9 INF	BE	3646													
	2672183329658		SMALL/REBECCAMRS		SOU					1			0	BAGS9	BE	3646													
	2672183300050		BEATTIE/CAROLMRS	12C	SOU					1			0		BE	3646													
	5272181028227		BEAUCHAMP/JOYATHAMP	1A	SOU								0	BAGS1	BE	3646													

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 shows the 'Airport Manager LDCS Check-in version 214.10a' interface. The main window is divided into several sections:

- Top Panel:** Includes a 'PM Peripheral Manager' with status indicators for BP1, BG1, PR1, BT1, and BG1. It also features a grid of function buttons (F1-F11) such as 'Clear screen', 'Add Baggage', 'Seating', 'Print Boarding pass', and 'Print Baggage TAG'. The date is set to 16/07/2013 and the platform node is 192.168.28.1.
- Passport Section (Left):** Contains fields for 'ID or Passport detail' (I/P, Nationalité: FRA, ID Number: 09PP60XXX3, Expiration date: 191027) and 'Pax Detail' (Name: CROUCH, Given name 1: MARC, Nationality: FRA, Birthdate: 681016).
- Flight Section (Center):** Displays flight information for 'BE 3646' to 'SOUTHAMPTON' on 16/07/2013. The boarding gate is 'A' and the boarding time is '12:55'. The passenger name is 'CROUCH/MARKMR' and the file is 'M1BAG20K.R/FARE.RN/N'. The destination is 'SOU'.
- Luggage Section (Right):** Shows baggage details with a table:

Kg	DAA
12.7	0
8	0
5	1

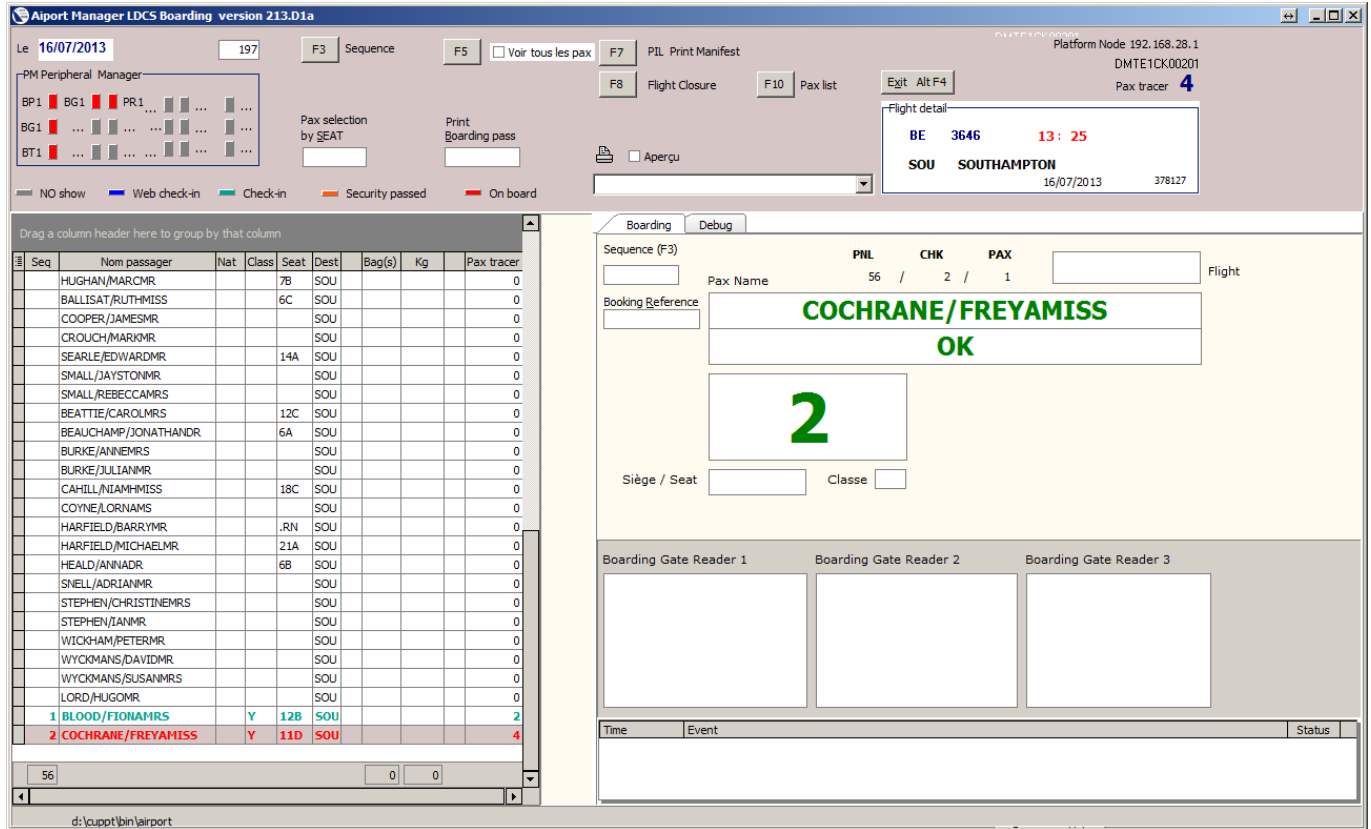
 The total weight is 25.7 Kg.
- Bottom Panel:** A table with columns 'Time' and 'Event' for logging activities.

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.



The screenshot shows the 'Airport Manager LDCS Boarding version 213.D1a' interface. At the top, there are various function keys (F3, F5, F7, F8, F10, Exit) and a flight detail window showing 'BE 3646' and 'SOU SOUTHAMPTON' for the date '16/07/2013'. The main area is divided into a 'Boarding' tab and a 'Debug' tab. The 'Boarding' tab displays a large green '2' in a box, indicating the boarding sequence number. Below this, there are three 'Boarding Gate Reader' windows. The 'Debug' tab shows a table of passengers with columns for Seq, Nom passager, Nat, Class, Seat, Dest, Bag(s), Kg, and Pax tracer. The passenger 'COCHRANE/FREYAMISS' is highlighted in red in the table, corresponding to sequence number 2.

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

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
Corrections	crew	528
Corrected basic weight		13 939
TAKEOFF FUEL +		2 230
Operational weight		16 169

FLT Nb:	DATE: 24-dec
A/C: ATR72-500	CPT:
CRW:	

DEST	PASSENGERS		TOTAL WEIGHT	CARGO		
	AD	CH		LH PWD	RH PWD	AFT
HAH	0	0	0	0	0	0

DESTINATION: ORY			
MAXIMUM WEIGHT	Zero fuel	Takeoff	Landing
	20 800		22 350
TAKEOFF FUEL	2 230	Trip fuel	250
LIMITATION (Lowest of the 3)	23 030	22 500	22 600
OPERATIONAL WEIGHT	16 169	16 169	16 169
LOADING	6 881	6 331	6 431

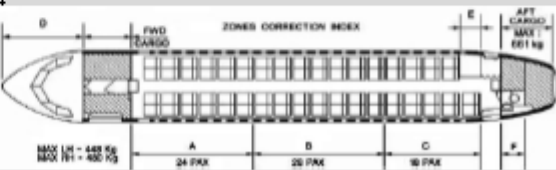
BASIC INDEX	-12.55
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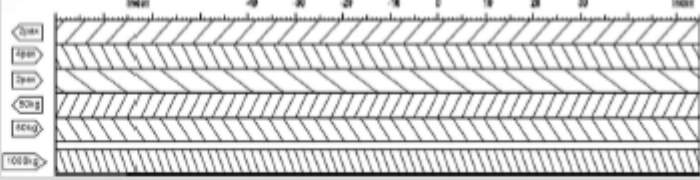
LAST MINUTE CHANGE LMC	
DEST SPECIFICATION	WEIGHT
TOTAL LMC +/-	0

BASIC INDEX CORRECTION	
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
INDEX CORRECTION	

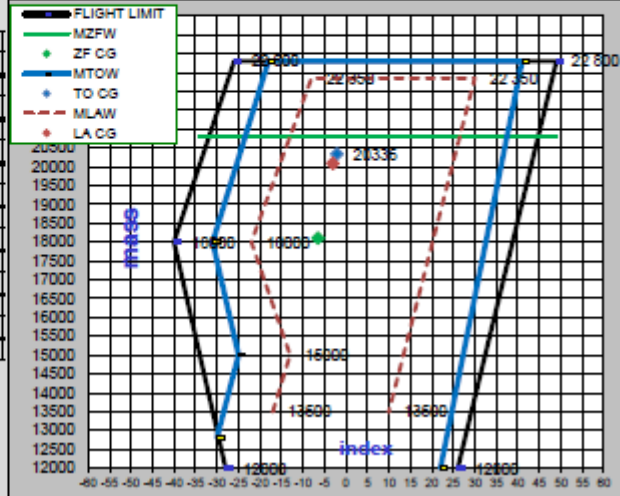
CORRECTED INDEX	
	-12.00

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	
Passengers weight (KG) B	3 617	Corrected weight
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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