

# **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

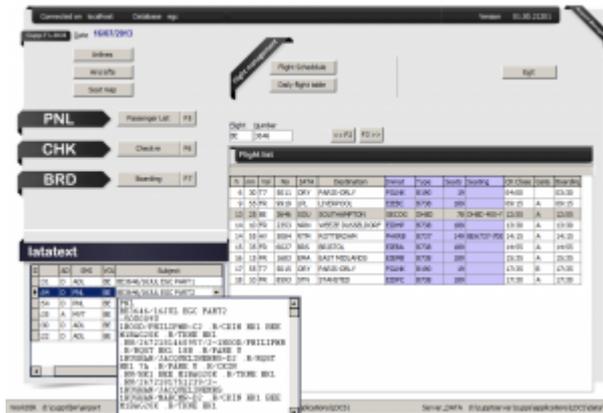
The L-DCS includes a «Weight & Balance» module, allowing the calculation of load and trim results. It calculates the load and trim and produces the plane loading expressed in %MAC. The results are sent in Excel spreadsheets, which produces a load sheet.

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

## LDCS - Main Screen

Flight list per day

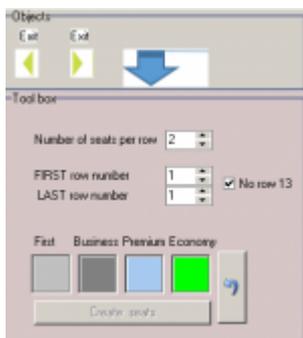
IATA Messages for each flight



## 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



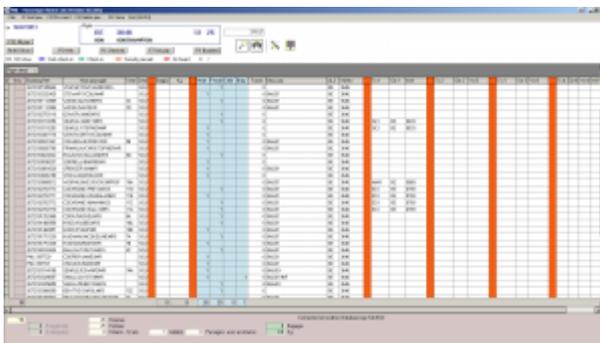


## PNL -Integrating passenger lists

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 shows the 'Airport Manager LDCS Check-in version 214.10a' interface. At the top, it displays the date and time 'Le 16/07/2013 197' and the platform node '192.168.28.1 DMTE1CK00201'. The 'Pax tracer' is set to '2'. The main flight information is for flight 'BE 3646' on '16/07/2013' to 'SOUTHAMPTON'. The passenger's name is 'CROUCH/MARKMR' and the booking reference is 'PNL1397721'. The passenger is male, 1 year old, and has a total luggage weight of 25.7 kg. The interface includes various function buttons (F1-F11) and a 'Disconnect & Exit' button. A table at the bottom is currently empty.

## 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.

Alport 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

Sequence (F3) PNL 56 / CHK 2 / PAX 1 Flight

Pax Name **COCHRANE/FREYAMISS**

Booking Reference **OK**

**2**

Siège / Seat  Classe

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

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

<b>BASIC WEIGHT</b>		<b>13 411</b>	FLT Nb: _____						
Corrections	crew	528	DATE: <b>24-dec</b>						
Corrected basic weight		13 939	A/C: <b>ATR72-500</b>						
<b>TAKEOFF FUEL +</b>		<b>2 230</b>	CPT: _____						
Operational weight		16 169	CRW: _____						
			DESTINATION: <b>ORY</b>						
DEST	PASSENGERS	TOTAL WEIGHT	CARGO			MAXIMUM WEIGHT	Zero fuel	Takeoff	Landing
			LH FWD	RH FWD	AFT	TAKEOFF FUEL	20 800	22 350	22 350
HAH	AD	CH	0	0	0	2 230	Trip fuel	250	
	TR	B	0	0	0	23 030	22 500	22 600	
	C					LIMITATION (Lowest of the 3)			
	M					16 169	16 169	16 169	
	T		0	0	0	OPERATIONAL WEIGHT			
	TR					6 881	6 331	6 431	
	B					LOADING			
	C					BASIC INDEX			
	M					-12.55			
	T								

<b>LAST MINUTE CHANGE LMC</b>		<b>BASIC INDEX CORRECTION</b>	
DEST	WEIGHT	3rd crew mbr index	0.0
CL	±	WEIGHT VARIATION	ZONES
CPT	±	10 KG	D E F
		10 KG	-0.09 +0.46 +0.81
			+0.59 -0.46 -0.81
TOTAL LMC +/-		INDEX CORRECTION	
0		CORRECTED INDEX	
		-12.00	

<b>ZONES</b>	<b>Nb</b>	<b>WEIGHT KG</b>
CABIN A	18	1335
CABIN B	21	1389
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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