

# 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:

1. management of 2 flight decks (principal and superior (B747 or A380));
2. multi-classing of passengers;
3. positioning of emergency exits;
4. blocking of seats;
5. zone management

**Objects**

Exit Exit

**Tool box**

Number of seats per row:

FIRST row number:   No row 13

LAST row number:

First Business Premium Economy

Create seats

formSEAT

File F8 Save Exit (Alt F4)

Seat map Code:  Total seats: 156

Nr deck: 1

EASYJET A319 156Y

Seat	Nom passenger	Clas
26F	PALMER/JOHNMR	
26E	PALMER/SANDRAMRS	
15A	TURTON/THEAMISS	
15B	TURTON/HUGHMR	
2D	RODGERS/MARGARETMRS	
15D	SKINNER/PHILIPPAMISS	
68		

Passenger Name:

Seat:

Done

Available Locked NOT available

BAY	Du No	Au	Max	T.O. B.
A	1	9	54	0
B	10	18	54	0
C	19	26	48	0

Main Deck Upper Deck

## 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		BE	3646													
2672183332435		STEWART/COLINMR	SOU						1			0	BAGS1	BE	3646													
2672181112909		WOOD/ALISONMRS	3C	SOU						1		0	BAGS1	BE	3646													
2672181112908		WOOD/D/AVIDDR	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										
2672183307176		WENTWORTH/COLINMR	SOU							1		0		BE	3646													
2672180931341		COULING/JEFFREYMR	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													
2672183038237		SOPRELL/BARRIEMR	SOU							1		0		BE	3646													
2672183001629		SPENCER/IANMR	SOU							1		0	BAGS1	BE	3646													
26721830025158		STEELE/ANDREWMR	SOU							1		0		BE	3646													
2672183008512		WEIR/HUGHES/DICKONPROF	16A	SOU								0	BAGS1	BE	3646	MAN	BE	0669										
2672182702773		COCHRANE/FREYAMISS	11D	SOU						1		0	BAGS1	BE	3646	EDI	BE	0769										
2672182702771		COCHRANE/JOHANLANMR	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/SABELMRS	19A	SOU						1		0	BAGS1	BE	3646													
2672181460957		HOOD/PHILPMR	19B	SOU						1		0	BAGS1	BE	3646													
2672181751239		HUGHAN/JACQUELINEMRS	7A	SOU						1		0	BAGS1	BE	3646													
2672181751238		HUGHAN/MARCMR	7B	SOU						1		0	BAGS1	BE	3646													
267218033424		BALLSAT/RUTHMISS	6C	SOU						1		0	BAGS1	BE	3646													
PNL1397720		COOPER/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/CARDLMRS	12C	SOU						1		0		BE	3646													
2672180939277		BEALCHAMR/DONATHANMR	5A	SOU						1		0	BAGS1	BE	3646													

## Check-in

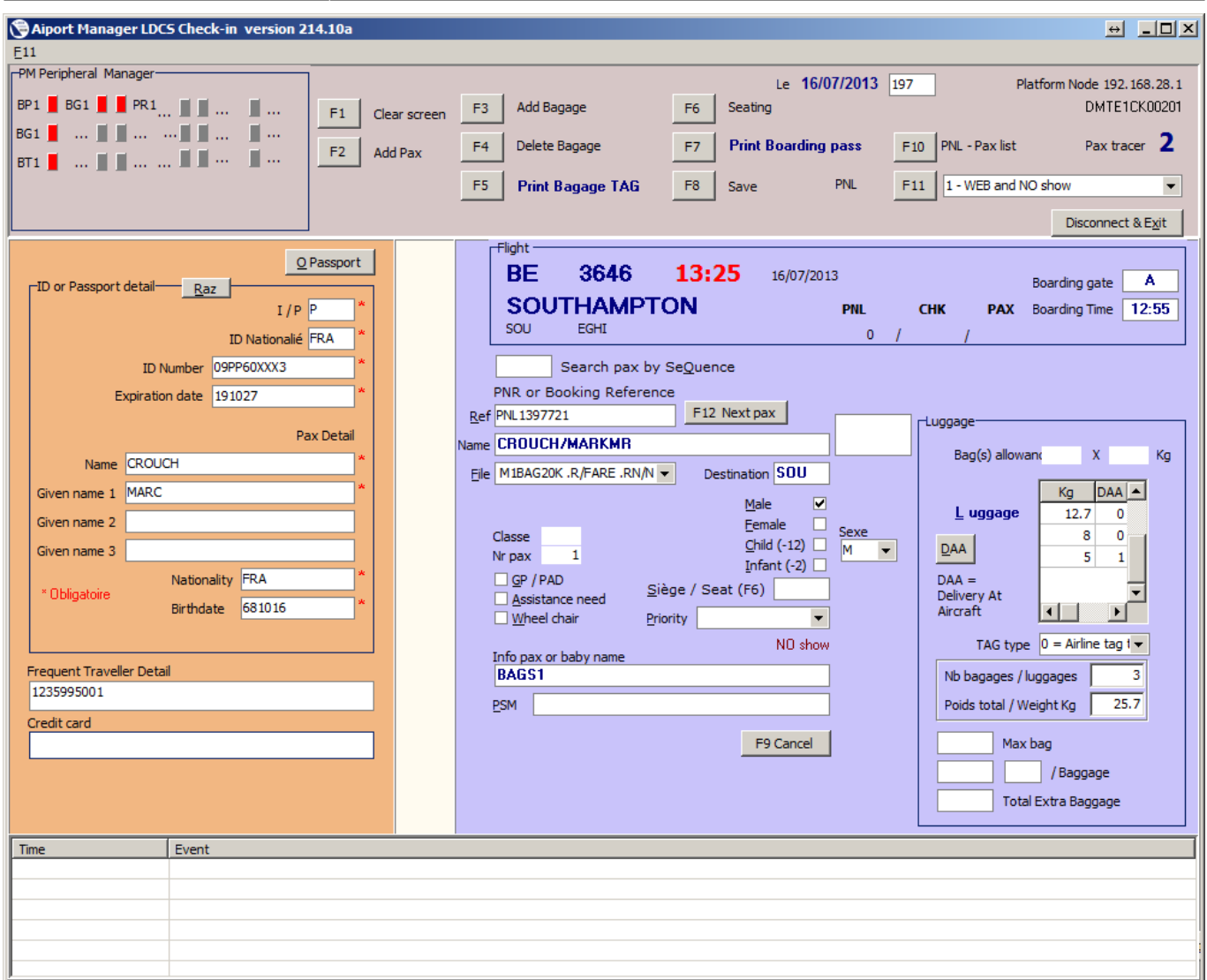
Passenger check-in, boarding passes and bag tags printing is facilitated by ergonomics of the software.

Passenger check-in 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.



**Flight Information:**  
 Flight: BE 3646 13:25 16/07/2013  
 Destination: SOUTHAMPTON  
 Boarding gate: A  
 Boarding Time: 12:55

**Passenger Details:**  
 Name: CROUCH/MARKMR  
 ID Nationalité: FRA  
 ID Number: 09PP60XXX3  
 Expiration date: 191027  
 Nationality: FRA  
 Birthdate: 681016

**Baggage Management:**

Kg	DAA
12.7	0
8	0
5	1

Nb bagages / luggages: 3  
 Poids total / Weight Kg: 25.7

Time	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.

Aiport Manager LDCS Boarding version 213.D1a  
 Le 16/07/2013 197 F3 Sequence F5  Voir tous les pax F7 PIL Print Manifest Platform Node 192.168.28.1  
 DMTE1CK00201 Pax tracer 4  
 BP1 BG1 PR1 ...  
 BG1 ...  
 BT1 ...  
 Pax selection by SEAT Print Boarding pass  
 F8 Flight Closure F10 Pax list Exit Alt F4  
 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/NILIAMHMISS			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

Drag a column header here to group by that column  
 Boarding Debug  
 Sequence (F3) PNL CHK PAX Pax Name 56 / 2 / 1 Flight  
 Booking Reference COCHRANE/FREYAMISS OK  
 2  
 Siège / Seat Classe  
 Boarding Gate Reader 1 Boarding Gate Reader 2 Boarding Gate Reader 3  
 Time Event Status

d:\cupot\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> 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: _____	

DEST	PASSENGERS		TOTAL WEIGHT	CARGO		
	AD	CH		LH FWD	RH FWD	AFT
HAH	0	0	TR	0	0	0
			B			
			C			
			M			
			T	0	0	0

DESTINATION: ORY			
MAXIMUM WEIGHT	Zero fuel 20 800	Takeoff 22 800	Landing 22 350
TAKEOFF FUEL	2 230	Tripp fuel 250	
LIMITATION (Lowest of the 3)	23 030	22 500	22 600
OPERATIONAL WEIGHT	16 169	16 169	16 169
LOADING	8 861	8 331	6 431

BASIC INDEX	-12.55
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DEST	SPICIFICATION	CL	WEIGHT
		0	
		-	
TOTAL LMC +/- 0			

BASIC INDEX CORRECTION	
3rd crew mbr index	0.0
ZONES	
WEIGHT VARIATION	D E F
10 KG	-0.29 +0.46 +0.61
-10 KG	+0.29 -0.46 -0.61
INDEX CORRECTION	

ZONES	Nb	WEIGHT KG
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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