

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

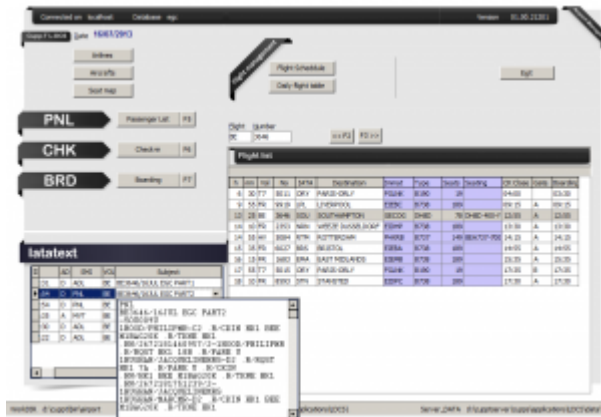
The L-DCS includes a «Weight & Balance» module, allowing the calculation of load and trim results. It calculates the load and trim and produces the plane loading expressed in %MAC. The results are sent in Excel spreadsheets, which produces a load sheet.

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

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:

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
1		2672181545644	STAPLETON/CLAIREMISS		SOU					1			0		BE 3646													
2		2672183332435	STEWART/COLINMR		SOU				1				0 BAGS1		BE 3646													
3		2672181112909	WOOD/ALISONMRS	3C	SOU					1			0 BAGS1		BE 3646													
4		2672181112908	WOOD/D/AVIDDR	3D	SOU								0 BAGS1		BE 3646													
5		2672182753110	GOWER/JANEMRS		SOU					1			0		BE 3646													
6		2672183313254	SEARLE/JANEMRS		SOU					1			0		BE 3646	GCI	BE	0633										
7		2672183313253	SEARLE/STEPHENMR		SOU					1			0		BE 3646	GCI	BE	0633										
8		2672183307176	WENTWORTH/COLINMR		SOU					1			0		BE 3646													
9		2672180931341	COULING/JEFFREYMR	5B	SOU					1			0 BAGS1		BE 3646													
10		2672180926795	FRANKLIN/CHRISTOPHERMR		SOU					1			0 BAGS1		BE 3646													
11		2672183024322	RAWLINS/GILLIANMRS	8D	SOU					1			0		BE 3646													
12		2672183038237	SOPRELL/BARRIEMR		SOU					1			0		BE 3646													
13		2672183001629	SPENCER/IANMR		SOU					1			0 BAGS1		BE 3646													
14		26721830025158	STEELE/ANDREWMR		SOU					1			0		BE 3646													
15		2672183008512	WEIR/HUGHES/DICKONPROF	16A	SOU								0 BAGS1		BE 3646	MAN	BE	0669										
16		2672182702773	COCHRANE/FREYAMISS	11D	SOU					1			0 BAGS1		BE 3646	EDI	BE	0769										
17		2672182702771	COCHRANE/JOHANLANMR	11B	SOU					1			0 BAGS1		BE 3646	EDI	BE	0769										
18		2672182702772	COCHRANE/NIAMHMISS	11C	SOU					1			0 BAGS1		BE 3646	EDI	BE	0769										
19		2672182702770	COCHRANE/SALLYMRS	11A	SOU					1			0 BAGS1		BE 3646	EDI	BE	0769										
20		2672181252466	COOK/RACHELMRS	5A	SOU					1			0 BAGS1		BE 3646													
21		2672181460956	HOOD/SABELMRS	19A	SOU					1			0 BAGS1		BE 3646													
22		2672181460957	HOOD/PHILIPMR	19B	SOU					1			0 BAGS1		BE 3646													
23		2672181751239	HUGHAN/JACQUELINEMRS	7A	SOU					1			0 BAGS1		BE 3646													
24		2672181751238	HUGHAN/MARCMR	7B	SOU					1			0 BAGS1		BE 3646													
25		267218033424	BALLSAT/RUTHMISS	6C	SOU					1			0 BAGS1		BE 3646													
26		PNL1397720	COOPER/JAMESMR		SOU					1			0 BAGS1		BE 3646													
27		PNL1397721	CROUCH/MARKMR		SOU					1			0 BAGS1		BE 3646													
28		2672183314156	SEARLE/EDWARDMR	14A	SOU					1			0 BAGS9		BE 3646													
29		2672183329657	SMALL/JAYSTONMR		SOU					1			0 BAGS9 INF		BE 3646													
30		2672183329658	SMALL/REBECCAMRS		SOU					1			0 BAGS9		BE 3646													
31		2672183300050	BEATTIE/CARDLMRS	12C	SOU					1			0		BE 3646													
32		2672181093927	BEALCHAMR/DONATHANMR	15A	SOU					1			0 BAGS1		BE 3646													
56						0	0	26	25	0	1																	

Check-in

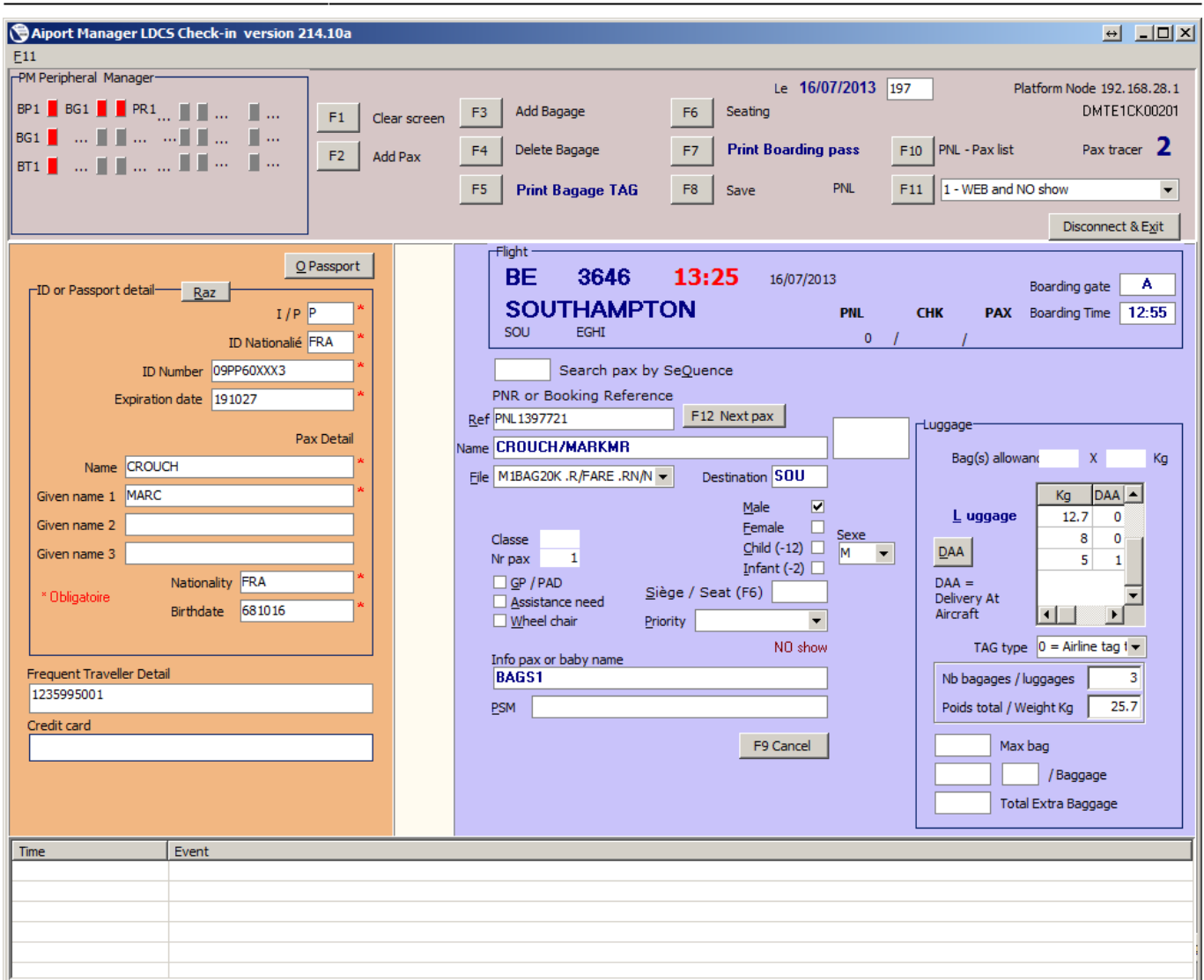
Passenger check-in, boarding passes and bag tags printing is facilitated by ergonomics of the software.

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
BE 3646 13:25 16/07/2013
SOUTHAMPTON
 SOU ECHI

PNL **CHK** **PAX** Boarding gate **A**
 Boarding Time **12:55**

Search pax by Sequence
 PNR or Booking Reference
 Ref: PNL1397721 **F12 Next pax**

Name: **CROUCH/MARKMR**
 File: M1BAG20K .R/FARE .RN/N Destination: **SOU**

Male Female
 Child (-12) Infant (-2)
 Sexe: **M**

Classe: Nr pax: **1**
 GP / PAD Assistance need Wheel chair
 Siège / Seat (F6): Priority:

Info pax or baby name: **BAGS1**
 PSM:

Luggage
 Bag(s) allowed: X Kg

Kg	DAA
12.7	0
8	0
5	1

 DAA = Delivery At Aircraft
 TAG type: 0 = Airline tag i
 Nb bagages / luggages: **3**
 Poids total / Weight Kg: **25.7**
 Max bag
 / Baggage
 Total Extra Baggage

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.

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

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

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		
		MAXIMUM WEIGHT		Zero fuel	Takeoff	Landing
				20 800		22 350
		TAKEOFF FUEL 0		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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LAST MINUTE CHANGE LMC		BASIC INDEX CORRECTION	
DEST	SPICIGATION	CL	WEIGHT
		0	
TOTAL LMC +/-		0	

3rd crew mbr index		0.0	
WEIGHT VARIATION		ZONES	
+	10 KG	-0.29	+0.46
-	10 KG	+0.29	-0.46
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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Edge Airport France

Airport Manager Solutions

Phone: +33 553 801 366

Service commercial : contact@edge-airport.com

Support technique : support@edge-airport.com

Edge Airport France SAS au capital de 150 000 €

RCS Bergerac 529 125 346 Les Lèches TVA : FR53529125346 / EORI : FR52912534600039

Tel : +33(0)553 801 366 contact@edge-airport.com www.edge-airport.com