

# **L-DCS - Local Departure Control System**

**Edge Airport France**



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# L-DCS - Local Departure Control System



# L-DCS - Local Departure Control System



IATA / CUPPS compliant

Features:

1. graphical management of cabin plans;
2. integration of IATA messages - PNL, ADL...;
3. supports APIS and EBorders ;
4. passenger tracking (PAXTracer);
5. baggage reconciliation;
6. flight documents;
7. generating and sending operational messages PFS, LDM, FTL, ETL ...;
8. Weight & Balance;
9. calculate CG expressed in %MAC;
10. 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.

1. MS : Magnetic Swipe Reader ;
2. OC : LePassport Readers (Optical Character Reader) ;
3. BC : Bar Code Reader;
4. BP : Boarding Pass Printer (BPP) ;
5. BT : Baggage Tag Printer (ATB);
6. BG : Boarding Gate Reader (BGR) ;
7. 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

The screenshot shows the LDCS main interface. At the top, it indicates 'Connected on localhost Database egc' and 'Version 01.00.21201'. The date is set to '16/07/2013'. Navigation buttons include 'Airlines', 'Aircrafts', 'Seat map', 'Flight management', 'Flight Schedule', 'Daily flight table', and 'Exit'. On the left, there are buttons for 'PNL' (Passenger List F5), 'CHK' (Check-in F6), and 'BRD' (Boarding F7). A 'Flight list' table is displayed with columns for h, mn, Vol, No, IATA, Destination, Immat, Type, Seats, Seating, CK Close, Gate, and Boarding. An 'IATAtext' window is open, showing a list of IATA messages for flight BE3646/16JUL EGC PART2, including details about passengers and cabin crew.

h	mn	Vol	No	IATA	Destination	Immat	Type	Seats	Seating	CK Close	Gate	Boarding
6	30	T7	5011	ORY	PARIS-ORLY	FGLNK	B190	19		04:00		03:30
9	55	FR	9919	LPL	LIVERPOOL	EIEBC	B738	189		09:15	A	09:15
13	25	BE	3646	SOU	SOUTHAMPTON	GECOG	DH8D	78	DH8D 400-Y	12:55	A	12:55
14	10	FR	2353	NRN	WEEZE DUSSELDORF	EIDHP	B738	189		13:30	A	13:30
14	55	HV	5084	RTM	ROTTERDAM	PHXRB	B737	149	BEA737-700	14:15	A	14:15
15	35	FR	6027	BRS	BRISTOL	EIEBA	B738	189		14:55	A	14:55
16	15	FR	1683	EMA	EAST MIDLANDS	EIEMB	B738	189		15:35	A	15:35
17	55	T7	5015	ORY	PARIS-ORLY	FGLNK	B190	19		17:35	B	17:35
18	10	FR	8593	STN	STANSTED	EIDPC	B738	189		17:30	A	17:30

## 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:     Nr deck: 1    Total seats: 156

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:

Legend: ■ 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	1		0			BE	3646													
	2672183324395		STEWART/COLINMR		SOU							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		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		SORRELL/BARRIEMR		SOU					1		0			BE	3646													
	2672183001629		SPENCER/IANMR		SOU					1		0	BAGS1		BE	3646													
	2672183026158		STEEL/ANDREWMR		SOU					1		0			BE	3646													
	2672183008912		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/DHNALANMR	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	18A	SOU						1	0	BAGS1		BE	3646													
	2672181460957		HOOD/PHILIPMR	18B	SOU					1		0	BAGS1		BE	3646													
	2672181751238		HUGHAN/JACQUELINEMRS	7A	SOU						1	0	BAGS1		BE	3646													
	2672181751238		HUGHAN/MARGMR	7B	SOU					1		0	BAGS1		BE	3646													
	267218033424		BALLISAT/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	BAGS9 INF		BE	3646													
	2672183329658		SMALL/REBECCAMRS		SOU						1	0	BAGS9		BE	3646													
	2672183300050		BEATTIE/CAROLMRS	12C	SOU						1	0			BE	3646													
	2672181093827		BEAUCHAMP/DONATHANMR	6A	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.



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  
 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: _____	

DESTINATION: ORY

DEST	PASSENGERS AD CH	TOTAL WEIGHT	CARGO			MAXIMUM WEIGHT	Zero fuel	Takeoff	Landing
			LH FWD	RH FWD	AFT	TAKEOFF FUEL	20 800	22 500	22 350
HAH	0 0	TR	0	0	0	2 230	→ Trip fuel →	250	
		B							
		C							
		M							
		T	0	0	0				
		TR							
		B							
		C							
		M							
		T							

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

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			

CORRECTED INDEX -12.00

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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Last update: 07/09/2017 16:55

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