

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

**Edge Airport France**



---

# Table of Contents

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

**Features** .....

        Description .....

**Weight & balance** .....

        LDCS - Main Screen .....

**Cabin Plans** .....

**PNL -Integrating passenger lists** .....

        Check-in .....

        Automatic flight selection .....

        Boarding .....

        Loadsheet .....

**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

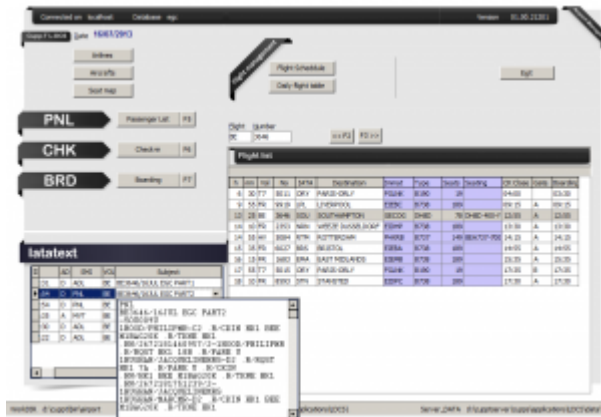
The L-DCS includes a «Weight & Balance» module, allowing the calculation of load and trim results. It calculates the load and trim and produces the plane loading expressed in %MAC. The results are sent in Excel spreadsheets, which produces a load sheet.

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

## LDCS - Main Screen

Flight list per day

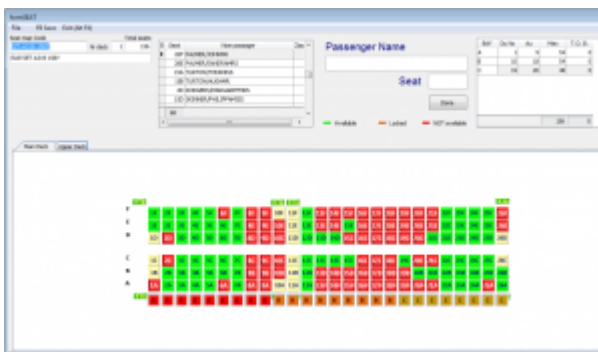
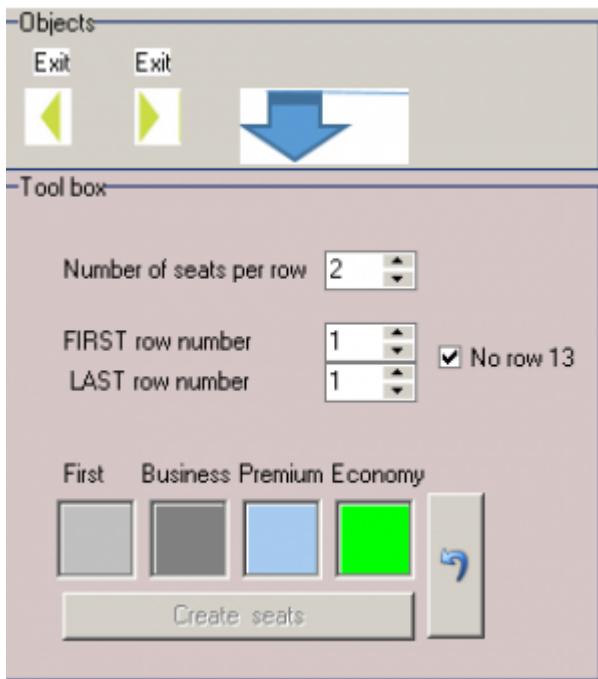
IATA Messages for each flight



## 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).

PNL - Passenger Name List Version 213.D5a

File F2 Add pax F3 PNL insert F4 Delete pax F8 Save Exit (Alt-F)

Le 16/07/2013 Flight BE 3646 13 25 378127

F10 All pax F4 NO Show F5 Web F6 Checked F7 Security F9 Boarded

NO show Web check-in Check-in Security passed On board 0 /

Flight detail

#	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/DAVIDDR	3D	SOU								0	BAGS1	BE	3646												
		2672182753110	GOWER/IANEMRS		SOU					1			0		BE	3646												
		2672183313254	SEARLE/JANE MRS		SOU					1			0		BE	3646	GCI	BE	0633									
		2672183313253	SEARLE/STEPHENMR		SOU				1				0		BE	3646	GCI	BE	0633									
		267218330176	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/ANDREW MR		SOU				1				0		BE	3646												
		2672183008512	WEIR/HUGHES/DICKONPROF	16A	SOU								0	BAGS1	BE	3646	MAN	BE	0863									
		2672182702773	COCHRANE/FREYAMISS	11D	SOU					1			0	BAGS1	BE	3646	EDI	BE	0763									
		2672182702771	COCHRANE/DHIANLANMR	11B	SOU				1				0	BAGS1	BE	3646	EDI	BE	0763									
		2672182702772	COCHRANE/IANHMRS	11C	SOU					1			0	BAGS1	BE	3646	EDI	BE	0763									
		2672182702770	COCHRANE/SALLYMRS	11A	SOU					1			0	BAGS1	BE	3646	EDI	BE	0763									
		2672181252466	COOK/RACHELMRS	5A	SOU					1			0	BAGS1	BE	3646												
		2672181460956	HOOD/ISABELMRS	18A	SOU					1			0	BAGS1	BE	3646												
		2672181460957	HOOD/PHILPMR	18B	SOU				1				0	BAGS1	BE	3646												
		2672181751239	HUGHAN/JACQUELINE MRS	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												
		2672181093827	BEALCHAMR/ROMATHANDR	6A	SOU								0	BAGS1	BE	3646												
		56						0	0	26	25	0	1															

56 Hommes 26 Femmes 25 Enregistré(s) 0 Embarqué(s) 0 Enfants - 12 ans 1 bébé(s) 0 Passagers avec assistance 0 Bagages 0.0 Kg

Connected on localhost Database egc: Site EGC

## 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.

**Aiport Manager LDCS Check-in version 214.10a**

E11

PM Peripheral Manager

BP1 BG1 PR1 ...

BG1 ...

BT1 ...

F1 Clear screen F3 Add Bagage F6 Seating

F2 Add Pax F4 Delete Bagage F7 Print Boarding pass F10 PNL - Pax list Pax tracer **2**

F5 Print Bagage TAG F8 Save PNL F11 1 - WEB and NO show

Disconnect & Exit

Le **16/07/2013** 197 Platform Node 192.168.28.1 DMTE1CK00201

---

ID or Passport detail

I / P

ID Nationalité

ID Number

Expiration date

Pax Detail

Name

Given name 1

Given name 2

Given name 3

\* Obligatoire Nationality

Birthdate

Frequent Traveller Detail

Credit card

Flight

**BE 3646 13:25** 16/07/2013 Boarding gate

**SOUTHAMPTON** PNL CHK PAX Boarding Time

SOU ECHI

Search pax by Sequence

PNR or Booking Reference

Ref

Name

File  Destination

Male  Female  Sexe

Child (-12)  Infant (-2)

Classe  Nr pax

GP / PAD  Assistance need  Wheel chair

Siège / Seat (F6)  Priority

Info pax or baby name

PSM

Luggage

Bag(s) allowance  X  Kg

Kg	DAA
12.7	0
8	0
5	1

DAA = Delivery At Aircraft

TAG type

Nb bagages / luggages

Poids total / Weight Kg

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

<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	TOTAL WEIGHT	CARGO			MAXIMUM WEIGHT	
			LH FWD	RH FWD	AFT	Zero fuel	
HAH	AD	CH	TR	0	0	0	20 800
			B	0	0	0	2 230
			C				23 030
			M				22 500
			T	0	0	0	22 600
			TR				16 169
			B				16 169
			C				16 169
			M				16 169
			T				16 169

<b>LAST MINUTE CHANGE LMC</b>		<b>BASIC INDEX CORRECTION</b>	
DEST	SPICIGATION	CL	WEIGHT
		0	
TOTAL LMC +/-		0	

<b>3rd crew mbr index</b>		0.0	
<b>WEIGHT VARIATION</b>		<b>ZONES</b>	
+	10 KG	-0.29	+0.46
-	10 KG	+0.29	-0.46
<b>INDEX CORRECTION</b>			

<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
<b>FUEL</b>		<b>2 230</b>

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%

From: <https://edgeairport.alwaysdata.net/wiki/> - Documentation Embross (ex Edge Airport)

Permanent link: <https://edgeairport.alwaysdata.net/wiki/doku.php?id=en:solutions:ldcsmenu:presldcs&rev=1504796271>

Last update: 07/09/2017 16:57

# Edge Airport France

## Airport Manager Solutions

**Phone: +33 553 801 366**

**Service commercial : [contact@edge-airport.com](mailto:contact@edge-airport.com)**

**Support technique : [support@edge-airport.com](mailto: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](mailto:contact@edge-airport.com) [www.edge-airport.com](http://www.edge-airport.com)**