

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

The screenshot displays the LDCS software interface. At the top, it shows 'Connected on localhost', 'Database egc', and 'Version 01.00.21201'. The main menu includes '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). The 'Flight list' table is as follows:

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	GEOCG	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

The 'IATAtext' window shows the following message:

```

:31 D ADL BE BE3646/16JUL EGC PART1
:54 D PNL BE BE3646/16JUL EGC PART2
:54 D PNL BE PNL
:35 A MVT BE BE3646/16JUL EGC PART2
:30 D ADL BE 1HOOD/PHILIPMR-C2 .R/CKIN HK1 BEE
M1BAG20K .R/TKNE HK1
.RN/2672181460957/2-1HOOD/PHILIPMR
.R/RQST HK1 18B .R/FARE U
1HUGHAN/JACQUELINEMRS-D2 .R/RQST
HK1 7A .R/FARE U .R/CKIN
.RN/HK1 BEE M1BAG20K .R/TKNE HK1
.RN/2672181751239/2-
1HUGHAN/JACQUELINEMRS
1HUGHAN/MARCMR-D2 .R/CKIN HK1 BEE
M1BAG20K .R/TKNE HK1
  
```

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	
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/DAVIDDR	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/NIAMHMIS	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		1	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	2672180939227	BEALCHAMR/DONATHANMR	5A	SOU								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.

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

Le 16/07/2013 197 Platform Node 192.168.28.1 DMTE1CK00201

Disconnect & Exit

Flight

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

SOUTHAMPTON PNL CHK PAX Boarding Time 12:55

SOU ECHI 0 / /

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 Sexe M

Child (-12) Infant (-2)

Classe Nr pax 1

GP / PAD Assistance need Wheel chair

Siège / Seat (F6) Priority

Info pax or baby name NO show BAGS1

PSM

F9 Cancel

Luggage

Bag(s) allowance 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

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

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

DEST	PASSENGERS AD CH	TOTAL WEIGHT	CARGO			MAXIMUM WEIGHT	Zero fuel	Takeoff	Landing
			LH FWD	RH FWD	AFT		20 800		22 350
HAH	0 0	0	0	0	0	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	8 431

LAST MINUTE CHANGE LMC	
DEST SPECIFICATION	CL OPT WEIGHT
TOTAL LMC +/-	0

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

MAX LH = 448 KG
MAX RH = 430 KG

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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