

L-DCS - Local Departure Control System

Edge Airport France

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Edge Airport France

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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 displays 'Connected on localhost Database egc' and 'Version 01.00.21201'. The main area has several buttons: 'Airlines', 'Aircrafts', 'Seat map', 'Flight management' (with sub-buttons for 'Flight Schedule' and 'Daily flight table'), and 'Exit'. On the left, there are three large buttons: 'PNL' (Passenger List F5), 'CHK' (Check-in F6), and 'BRD' (Boarding F7). Below these is an 'IATAtext' window showing a list of flight messages with columns for time, status, airline, and subject. A detailed view of a message is shown below it, listing passenger names and flight details. At the bottom, there is a 'Flight list' table with columns for hour, minute, volume, number, IATA code, destination, aircraft, type, seats, seating, check-in close, gate, and boarding time.

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		

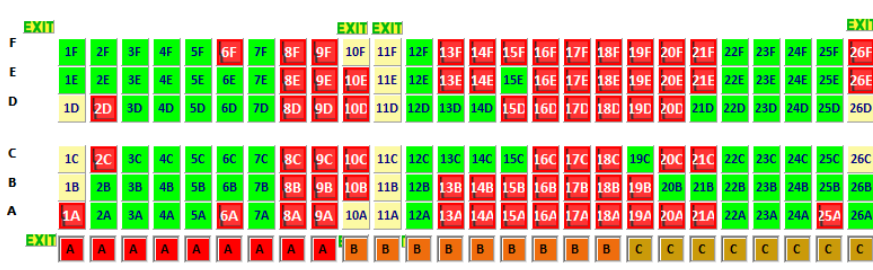
Passenger Name:

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).

The screenshot shows the PNL - Passenger Name List software interface. At the top, there's a menu bar with options like File, F2 Add pax, F3 PNL insert, F4 Delete pax, F8 Save, and Exit (Alt F4). Below the menu, flight details are displayed: Flight BE 3646, date 16/07/2013, origin SOU (Southampton), and flight number 13 25. There are also buttons for F10 All pax, F4 NO Show, F5 Web, F6 Checked, F7 Security, and F9 Boarded. The main part of the interface is a large table with columns: #, 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. The table lists 56 passengers with their respective details. At the bottom, there's a summary section showing statistics: 56 total passengers, 26 Hommes, 25 Femmes, 0 Enregistré(s), 0 Embarqué(s), 0 Enfants - 12 ans, 1 bébé(s), 0 Passagers avec assistance, 0 Bagages, and 0.0 Kg. The interface is connected to a local host database.

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

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 **BAGS1** NO show

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.

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
 F8 Flight Closure F10 Pax list Exit Alt F4
 Flight detail
 BE 3646 13:25
 SOU SOUTHAMPTON
 16/07/2013 378127

PM Peripheral Manager
 BP1 BG1 PR1
 BG1
 BT1

Pax selection by SEAT Print Boarding pass

Aperçu

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

56 0 0

d:\cupot\bin\airport

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

Loadsheet

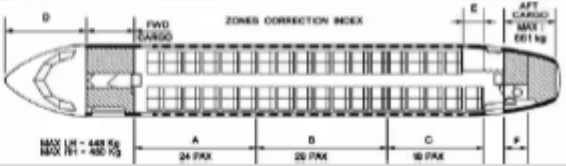
For companies certified to the "Weight & Balance" system, it is possible to generate loadsheet in Excel files.

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	TR	0	0	0	TAKEOFF FUEL	2 230	250	
		B				LIMITATION (Lowest of the 3)	23 030	22 500	
		C				OPERATIONAL WEIGHT	16 169	16 169	
		M				LOADING	8 861	8 331	
		T	0	0	0			6 431	
		TR				BASIC INDEX			
		B				-12.55			
		C							
		M							
		T							

LAST MINUTE CHANGE LMC		BASIC INDEX CORRECTION	
DEST	SPS	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

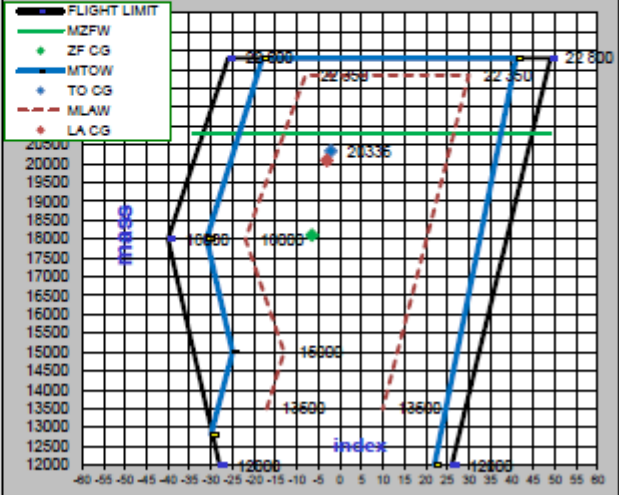
Cargo weight (KG) A	550	Corrected weight	
Passengers weight (KG) B	3 617		
LOADING A + B	4 167		
CORRECTED BASIC WEIGHT	13 939		
ZERO FUEL WEIGHT	18 106		
MAX	20 800		
TAKEOFF FUEL	2 230		
TAKEOFF WEIGHT	20 336		
MAX	22 800		
TRIP FUEL	250		
LANDING WEIGHT	20 086		
MAX	22 350		

PREPARED BY _____ APPROVED BY _____

ZFW MAC 22.7%

14% BETWEEN 37%

TOW MAC 24.3%



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