

L-DCS - Local Departure Control System

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 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 time, minutes, volume, number, IATA, destination, immat, type, seats, seating, check close, gate, and boarding. An 'IATAtext' window is open, showing a list of IATA messages for flight BE3646/16JUL EGC PART2, including passenger names and cabin classes.

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														
	2672183323435		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/JANETMRS		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

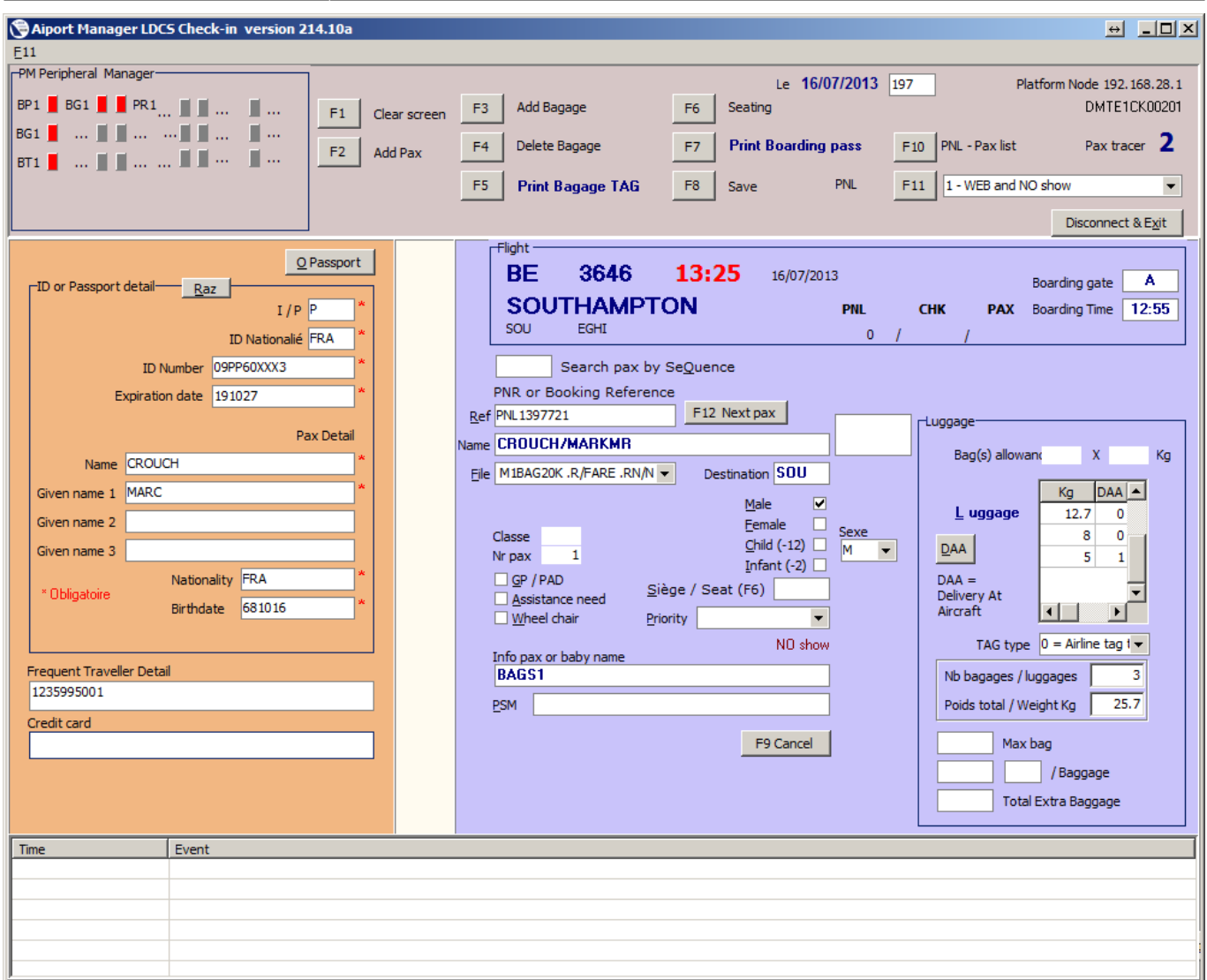
Passenger check-in, boarding passes and bag tags printing is facilitated by ergonomics of the software.

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.



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: _____	

DEST	PASSENGERS		TOTAL WEIGHT	CARGO		
	AD	CH		LH FWD	RH FWD	AFT
HAH	0	0	TR	0	0	0
			B			
			C			
			M			
			T	0	0	0

DESTINATION: ORY		
MAXIMUM WEIGHT	Zero fuel 20 800	Takeoff 22 800
	2 230	22 350
		250
TAKEOFF FUEL		
LIMITATION (Lowest of the 3)	23 030	22 500
	16 169	16 169
OPERATIONAL WEIGHT		
	8 861	8 331
LOADING		

BASIC INDEX	-12.55
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LAST MINUTE CHANGE LMC	CL	CH	WEIGHT
DEST SPECIFICATION			
TOTAL LMC +/-			0

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