

L-DCS - Local Departure Control System

Edge Airport France

Table of Contents

EN_EAF_PUB_LDCS_201603-002_PlaqTech

L-DCS - Local Departure Control System

 Description

Weight & balance

 LDCS - Main Screen

Cabin Plans

PNL -Integrating passenger lists

 Check-in

 Automatic flight selection

 Boarding

 Loadsheet

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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

Connected on localhost Database egc Version 01.00.21201

Cupp-T L-DCS Date 16/07/2013

Airlines
Aircrafts
Seat map

Flight management
Flight Schedule
Daily flight table
Exit

PNL Passenger List F5
CHK Check-in F6
BRD Boarding F7

Flight Number: BE 3646 << F2 F3 >>

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

Iata text

	AD	SMI	VOL	Subject
: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 -SOU009U
:30	D	ADL	BE	1HOOD/PHILIPMR-C2 R/CKIN HK1 BEE
:22	D	ADL	BE	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/MARCHR-D2 R/CKIN HK1 BEE M1BAG20K R/TKNE HK1

WorkDIR d:\cuppt\bin\airport applications\LDCS\ Server_DATA d:\cupptserver\cupps\applications\LDCS\data\


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	
2672181545644		STAPLETON/CLAIREMISS	SOU						1			0		BE	3646														
2672183332435		STEWART/COLINMR	SOU									0	BAGS1	BE	3646														
2672181112909		WOOD/ALISONMRS	3C	SOU						1		0	BAGS1	BE	3646														
2672181112908		WOOD/D/AVIDDR	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											
2672183307176		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		SOPRELL/BARRIEMR	SOU							1		0		BE	3646														
2672183001629		SPENCER/IANMR	SOU							1		0	BAGS1	BE	3646														
26721830025158		STEELE/ANDREWMR	SOU							1		0		BE	3646														
2672183008512		WEIR/HUGHES/DICKONPROF	16A	SOU								0	BAGS1	BE	3646	MAN	BE	0669											
2672182702773		COCHRANE/FREYAMISS	11D	SOU						1		0	BAGS1	BE	3646	EDI	BE	0769											
2672182702771		COCHRANE/JOHANLANMR	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	19A	SOU						1		0	BAGS1	BE	3646														
2672181460957		HOOD/PHILPMR	19B	SOU						1		0	BAGS1	BE	3646														
2672181751239		HUGHAN/JACQUELINEMRS	7A	SOU						1		0	BAGS1	BE	3646														
2672181751238		HUGHAN/MARCHMR	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	BAGS9 INF	BE	3646														
2672183329658		SMALL/REBECCAMRS	SOU							1		0	BAGS9	BE	3646														
2672183300050		BEATTIE/CARDLMRS	12C	SOU						1		0		BE	3646														
2672180939277		BEALCHAMR/DONATHANMR	5A	SOU						1		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

Platform Node 192.168.28.1 DMTE1CK00201

Le **16/07/2013** 197

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.

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.

BASIC WEIGHT		13 411
Corrections	crew	528
Corrected basic weight		13 939
TAKEOFF FUEL +		2 230
Operational weight		16 169

DESTINATION: ORY	
MAXIMUM WEIGHT	Zero fuel: 20 800 Takeoff: 22 500 Landing: 22 350
TAKEOFF FUEL	2 230 (Trip fuel)
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

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	0

LAST MINUTE CHANGE LMC		WEIGHT
DEST	SPERIFICATION	
TOTAL LMC +/-		0

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

The graph plots weight (kg) on the y-axis (12000 to 20500) against index on the x-axis (-60 to 60). It shows several curves: a solid black line for Flight Limit, a solid green line for MZFW, a solid blue line for ZF CG, a solid red line for MTOW, a dashed blue line for TO CG, a dashed red line for MLAW, and a dashed black line for LA CG. Key weight values are marked: 12666, 13500, 13600, 15000, 18000, 19000, 20336, 22500, and 22800.

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