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.

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

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

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 F4)

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

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 passager	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/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										
	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	SORRELL/BARRIEMR		SOU			1				0		BE	3646													
	2672183001629	SPENCER/IANMR		SOU			1				0	BAGS1	BE	3646													
	2672183026158	STEEL/ANDREWMR		SOU			1				0		BE	3646													
	2672183008512	WEIRHUGHES/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/JOHNALANMR	11B	SOU			1				0	BAGS1	BE	3646	EDI	BE	0769										
	2672182702772	COCHRANE/NIAMHMISS	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/ISABELMRS	18A	SOU				1			0	BAGS1	BE	3646													
	2672181460957	HOOD/PHILIPMR	18B	SOU			1				0	BAGS1	BE	3646													
	2672181751239	HUGHAN/JACQUELINEMRS	7A	SOU				1			0	BAGS1	BE	3646													
	2672181751238	HUGHAN/MARCMR	7B	SOU			1				0	BAGS1	BE	3646													
	2672180333424	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	0	BAGS9 INF	BE	3646													
	2672183329658	SMALL/REBECCAMRS		SOU				1			0	BAGS9	BE	3646													
	2672183000050	BEATTIE/CAROLMRS	12C	SOU				1			0		BE	3646													
	2672181093827	BEAUCHAMP/JONATHANDR	5A	SOU							0	BAGS1	BE	3646													
56					0	0	26	25	0	1																	

56		26 Hommes				Connected on localhost Database egc Site EGC	
	0 Enregistré(s)	25 Femmes				0 Bagages	
	0 Embarqué(s)	0 Enfants - 12 ans	1 bébé(s)	0 Passagers avec assistance	0.0 Kg		

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.

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.

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

FLT Nb:
DATE: 24-déc
A/C: ATR72-500
CPT:
CRW:

DESTINATION: ORY

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

MAXIMUM WEIGHT		Zero fuel	Takeoff	Landing
		20 800		22 350
TAKEOFF FUEL		2 230	Trip fuel →	250
LIMITATION (Lowest of the 3)		23 030	22 500	22 600
OPERATIONAL WEIGHT		16 169	16 169	16 169
LOADING		6 861	6 331	6 431

BASIC INDEX -12.55

LAST MINUTE CHANGE LMC

DEST	SPECIFICATION	CL	⊕	WEIGHT
		CPT		
TOTAL LMC +/-				0

BASIC INDEX CORRECTION

3rd crew mbr index	0.0

WEIGHT VARIATION	ZONES		
	D	E	F
⊕ 10 KG	-0,59	+0,49	+0,61
⊖ 10 KG	+0,59	-0,49	-0,61
INDEX CORRECTION			

➡ CORRECTED INDEX -12.00

ZONES	Nb	WEIGHT KG
CABIN A	18	1335
CABIN B	21	1369
CABIN C	12	913
FWD CARGO		220
AFT CARGO		330
FUEL		2 230

Cargo weight (KG) A	550	
Passengers weight (KG) B	3 617	Corrected weight
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%

Legend: FLIGHT LIMIT, MZFW, ZF CG, MTOW, TO CG, MLAW, LA CG

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