

Product Description

PD-TS-104

Issue 1.1

Date January 2022

The purpose of this product description is to enable the customer to satisfy himself as to whether or not the product or service would be suitable for his needs. All previous product descriptions for this product or service are superseded by this document. Acceptance of any order placed is in accordance with the content of the latest product description at the time the order is placed. As it is Travsys's policy to continue to develop and to improve its products and services, customers are advised to contact their Travsys representative to ensure that they are in possession of the latest product description concerning the product or service. This product description is valid in terms of the data shown below. Certain of the facilities referred to in this Product Description may be Diagnostic Materials (including diagnostic and test routines, programs, manuals, documentation, and data) incorporated solely for use by Travsys and/or the Customer, but only as authorized by Travsys. Travsys reserves the right to change or withdraw such facilities.

Helena Local Departure Control System

Product Identity

Order code:

Helena Local Departure Control System

Outline Description

Local Departure Control System (L-DCS)

The Helena Local Departure Control System (Helena L-DCS) provides check-in and boarding functionality for those airlines wishing to use such a system. Passenger information is expected to be send by type-b messages, or alternatively it can be send by excel form. The Helena L-DCS has a graphical user interface to perform all functions needed to handle the flight and passenger processes. After the flight is completed, the necessary messages can be send back to the airline system by type-b messages or by email.

The Helena L-DCS is a CUPPS compliant application and can also be used in a standalone configuration.

Principal Features

Flight Control

A flight in the Helena L-DCS can be generated in various ways:

- When a PNL is received
- Generated by the FIDS schedule system
- Manually by the system supervisor

The screenshot displays the Travsys Smart Comms Agent - LDCS Anton Surf 4 interface. The top section shows flight details for W5 1179/05AUG17, A320, REGYY66, 10C/400Y. Below this, there are tables for Listed PAX, Listed PAD, Waitlist, All Pax, Checked-in Pax, Baggage, Boarded Pax, Pax Seat, and Pax Counters. The bottom section contains a Flight Management panel with tabs for Change Flight State and Full Pax Control. The Flight information section includes fields for Flight (W5), Date (05AUG17), Classes (C/J Y/MY), Aircraft Owner (YY), Registration (REGYY66), Aircraft (A320), Configuration (10C/400Y), and Seatmap. The Flight Route section shows a table with columns for Dept, Dest, Date, Time, State, and Notes. The Selected Segment section shows NJF - MHD with Flight State: Open. The Departure date/time is 05AUG17 00:00, and the Boarding time is empty. The Special Info (SI) field is empty, and the Boarding gate is empty. The Generated Messages section is empty. The bottom right corner shows a Seatmap section with a table for Class C and Class Y, and a visual representation of the aircraft seating layout.

Class	Local Trans	Tot	Local Trans	Tot	PAX	PAD	M	F	C	Tot	M	F	C	Tot	Pcs	Wgt	M	F	C	Tot	Pax Seat	Errors
Class C	20	0	20	0	0	0	9	11	0	20	0	0	0	0	0	0	0	0	0	0	0	0
Class Y	183	0	183	0	0	0	81	93	9	183	0	0	0	0	0	0	0	0	0	0	0	0
SEATS	203	0	203	0	0	0	90	104	9	203	0	0	0	0	0	0	0	0	0	0	0	0
INFANTS	5	0	5	0	0	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0

The supervisor has to enter the flight details into the system like: aircraft type, seat configuration, seatmap, etc.

The supervisor can set the flight state at the appropriate time to “open” after which the check-in agents can open the flight for check-in.

Passenger check-in

After the flight is opened by the supervisor, the check-in agent can open the flight for the check-in process.

Travsys Smart Comms Agent - LDCS Anton Surf 4

ME 327/05AUG17 A320 REGYY66 10C/400Y

Route: NUF BEY Date: 05AUG17 Departure Time: 00:00 Boarding Time: Boarding Gate: Pax Counters

	Listed PAX		Listed PAD		Waitlist		All Pax				Checked-in Pax				Baggage				Boarded Pax				Pax Seat	Errors
	Local	Trans	Tot	Local	Trans	Tot	PAX	PAD	M	F	C	Tot	M	F	C	Tot	Pcs	Wgt	M	F	C	Tot		
Class J	14	0	14	0	0	0	0	0	11	2	1	14	1	0	0	1	1	22	0	0	0	0	0	
Class Y	102	0	102	0	0	0	0	0	91	8	3	102	3	1	0	4	8	85	0	0	0	0	0	
SEATS	116	0	116	0	0	0	0	0	102	10	4	116	4	1	0	5	9	107	0	0	0	0	0	
INFANTS			1									1											0	

Checkin Control Back Briefsheet Help

Select Pax Select Group Promote Waitlist Add offloaded Add NoRec Pax

Search input: Search Class: Facts: Total Pax 117

Local Pax (112) Transit Pax (0) Checked-in Pax (5) WaitList Pax (0) Offloaded Pax (0)

Seq Nr	PNR	Name	Dest	Cls	PAD	Seat	Gender	State	Pieces	Weight
YJ86CC	ABDALLAH AMNE	BEY	Y	20C					0	0
YY4N2P	ABDULKAREEM REEM	BEY	Y						0	0
YYGWTS	ALBAKRI ALYAA	BEY	J						0	0
YUNGGL	ALGBURI ALI	BEY	Y						0	0
Y2GAJO	ALGHANIMI DHEYAA	BEY	Y						0	0
Y54255	ALHADDAD MOHAMMED MOI	BEY	Y						0	0
YYG2I2	ALJANABI HAYDER	BEY	Y						0	0
YYG2I2	ALJANABI KARRAR	BEY	Y						0	0
Y2QQ67	ALKAABI RAHEEM	BEY	Y						0	0
YYGWTS	ALLAMI FATIMAH	BEY	J						0	0
Y233BO	ALMANSOR MUSTAFA	BEY	Y						0	0

Class J Class Y

Zone	InUse	Avail
A	12	36
B	5	347

Block seat: Normal Super

Time Type Message

Home TSCA LDCS ANTONSURF4 OK OK OK OK OK

Check-in can be done per individual passenger or by the group of passengers as per the PNL. Passenger data can be entered like: baggage, SSR, APIS, seat number, etc.

After all data is entered the required documents can be printed like boarding pass and baggage tag(s).

Infants will get their own boarding pass, but are always linked to their associated adult. Only one infant per adult is allowed.

Passport data can be entered manually or by reading the passport in the OCR device.

Check-in can only continue if the flight state is "open". The supervisor can change the flight state to "Closed for check-in" after which no more passengers will be accepted.

Passenger Boarding

At the boarding gate, the boarding process of the Helena L-DCS can be activated. Boarding can be performed if the flight state is "Open" or "Closed for Check-in"

Board

De-Board

Seat Number:

Name Filter:

Not Boarded: 5

Boarded: 1

Not Boarded (5)

Boarded (1)

Seq Nr	PNR	Name	Dest	Cls	Seat	Gender	State	Pieces	Weight	>	<	Summary
506	10064688	ABDULHASAN MR. ALI	AYT	Y			✓	1	22			
516	10064688	ABDULHASAN CHD HUSSEIN	AYT	Y			✓	2	11			
502	10065058	ABWAIJI MR. HAMEED	AYT	Y			✓	1	22			
504	10065058	ALDULAIMI MR. IMAD	AYT	Y			✓	2	11			
503	10065058	ALFURAIJI MR. KHUDHUR	AYT	Y			✓	1	22			

Passengers can be boarded by scanning the 2D barcode on the gate reader device, or manually by the operator control. Boarding status is constantly updated so the operator has a clear overview of the boarding process.

System configuration

System configuration parameters are:

- Airline, IATA code, ICAO code, etc.
- Aircraft type
- Aircraft configuration
- Seat Map per configuration
- Aircraft class definition
- Post Departure Message configuration

BRS interface

The Helena L-DCS is capable of generating Flight control and BSM/BUM messages which need to be send to the BRS system. If the BRS is sending BPM messages back to the L-DCS, the baggage loading status can be monitored in the Helena L-DCS system.

Passenger Data exchange

All data exchange with the Helena L-DCS system is via type-b messages. PNL/ADL messages according the IATA specification can be handled. Also, the Post Departure Messages will be sent by type-b format. Alternatively, an excel formatted sheet can be used to send the passenger data. And also POD messages can be send by email.

System hardware and software

The heart of the Helena L-DCS system is the database server. This server consists of a primary and a backup server, with full resilient storage and backup switching capability.

Hardware and Software Prerequisites

- Dual Blade Server 2.66GHz 6-core 1P 3x8GB P410i 256 with RAID 5 storage in a cluster configuration, or a cloud based server solution
- 1 TB storage space
- Windows 2012 server operating system
- Type-b message link
- PC workstation with Windows 7 PRO or later

Standard Deliverables

- Helena L-DCS Server software
- Helena L-DCS client software

Trademarks

- **Windows** is a registered trademark of Microsoft Corporation.
- All other trademarks are the property of their respective owners

Travsys BV
Industrieweg 22
3738 JX Maartensdijk
The Netherlands