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**Product Description**

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# Helena Local Departure Control System

## Product Identity

Order code:

Helena Local Departure Control System

## Outline Description

Local Departure Control System (L-DCS)

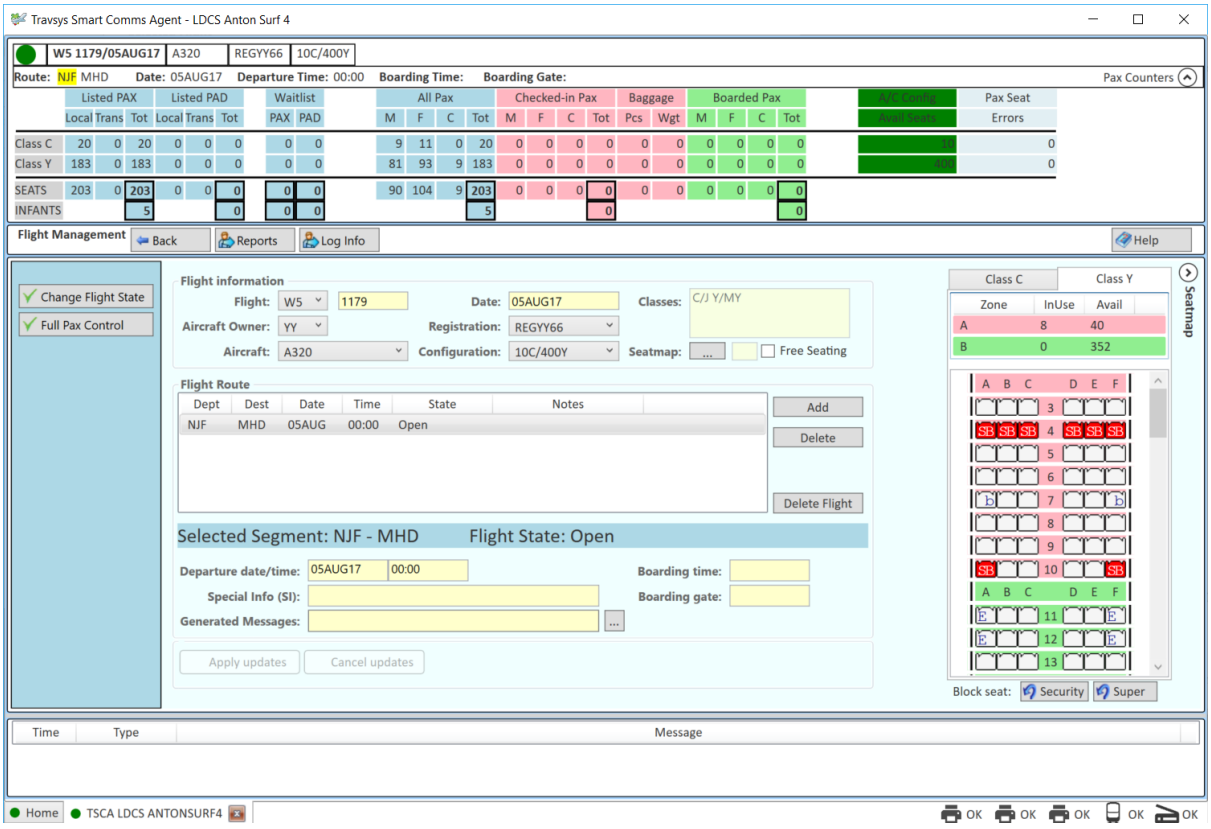
The Helena Local Departure Control System (Helena L-DCS) provides check-in and boarding functionality for those airlines wishing to use such a system. Passenger information is expected to be send by type-b messages, or alternatively it can be send by excel form. The Helena L-DCS has a graphical user 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:

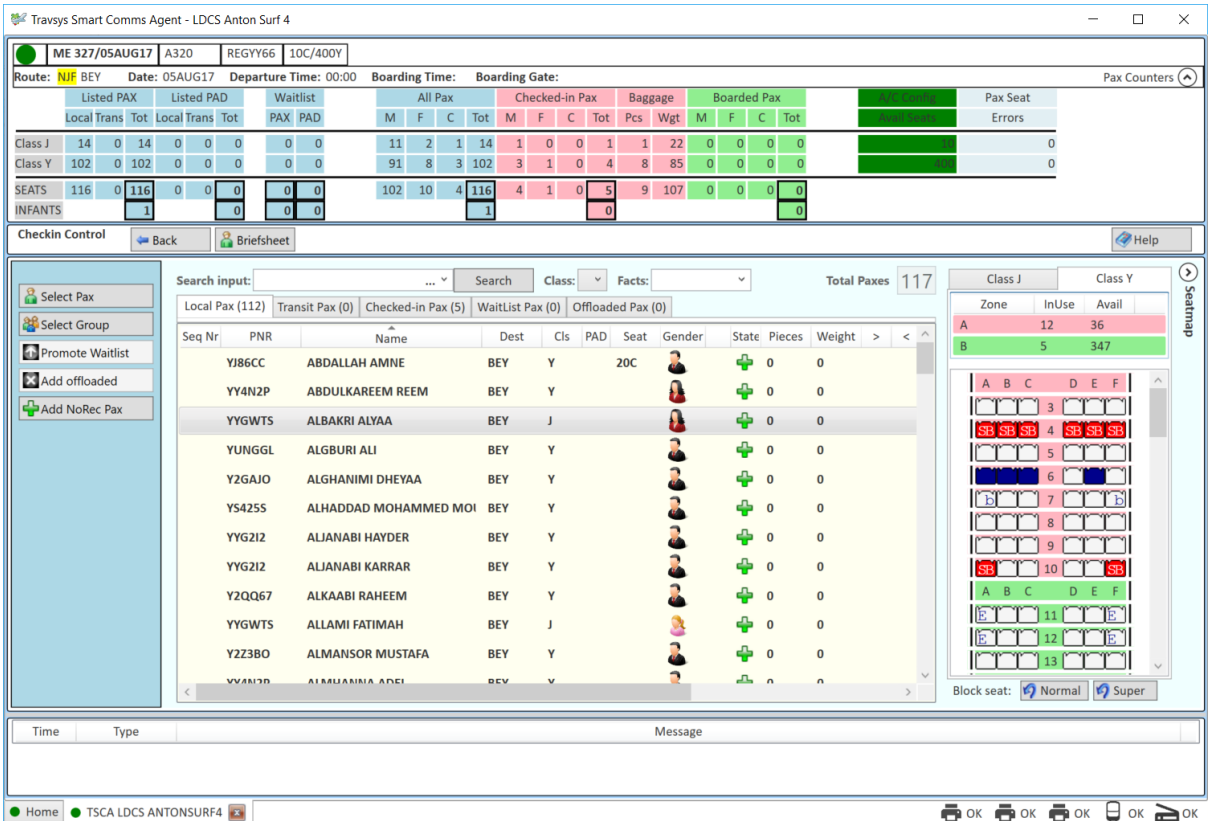
- When a PNL is received
- Generated by the FIDS schedule system
- Manually by the system supervisor




The 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

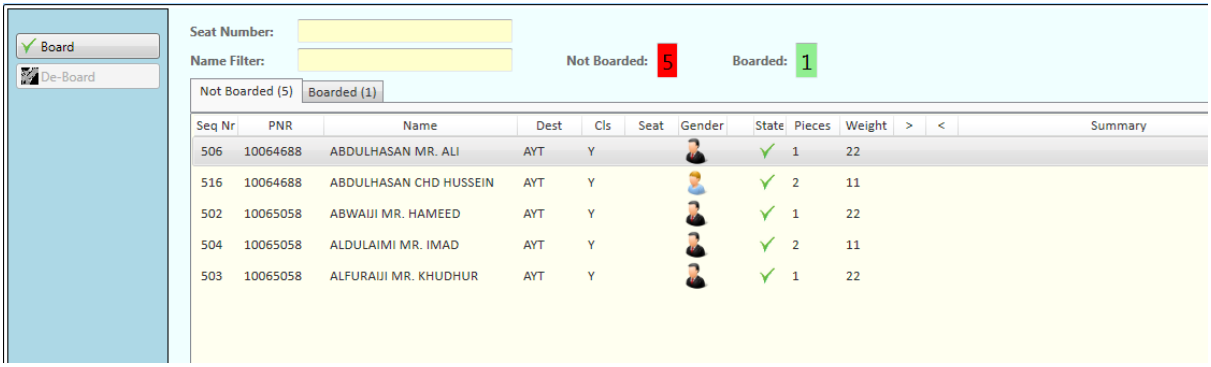
After the flight is opened by the supervisor, the check-in agent can open the flight for the check-in process.




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”




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

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