

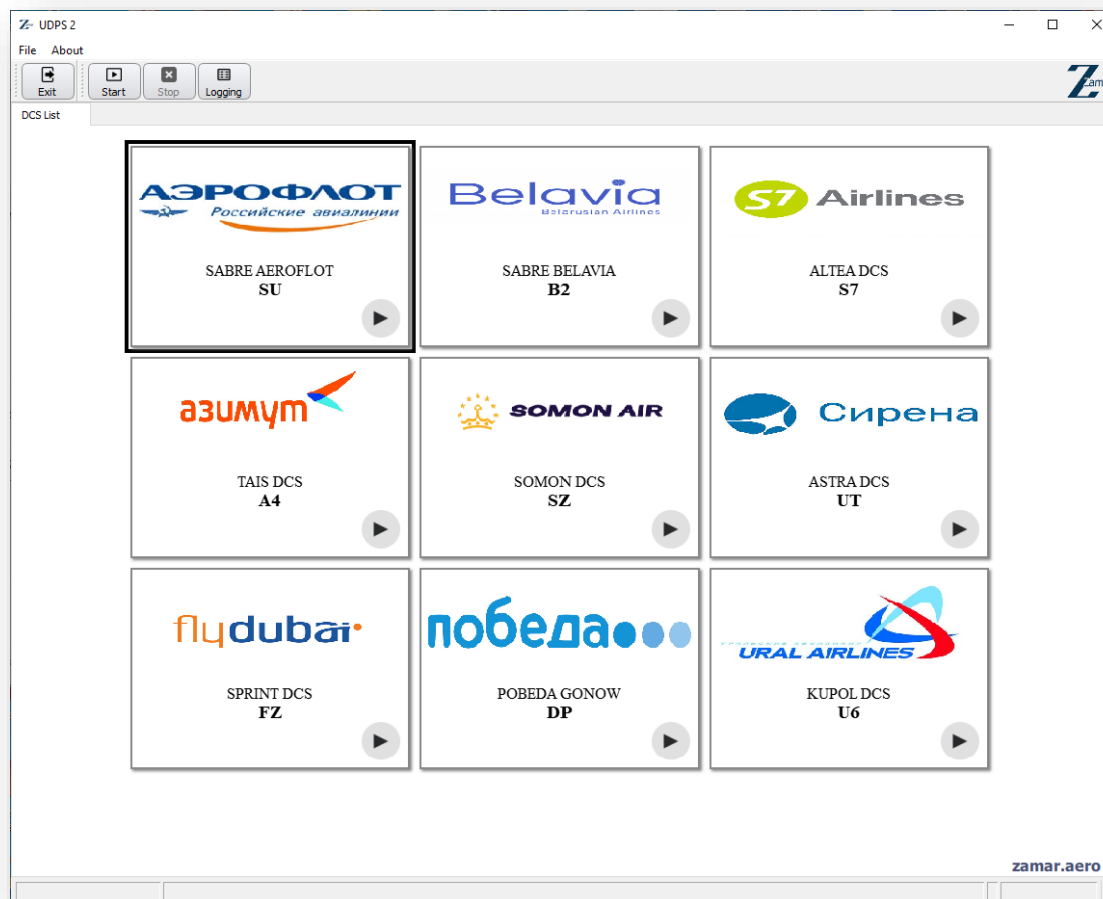
AERO PLATFORM

Passenger's & Baggage handling systems



UDPS

UDPS - a general access platform similar to CUTE (Common Use Terminal Equipment) system which allows you to create a Multi-DCS work environment and easily switch between DCS applications on a workstation with one set of peripheral equipment.



Versions and Requirements



Version:

- **UDPSv1**- a version of a system that does not require server infrastructure. Switching between DCS is only sequential. The solution is optimized for small airports;
- **UDPSv2**- version of a system using the Zamar HCP port virtualization module. A cloud or virtual server only for connection with the workstation, then the system works automatically, it launches several DCS at the same time. CUPPS supported. The solution is optimized for medium-sized airports;
- **UDPSv3**- version of a system using Microsoft Active Directory of the Zamar HCP port virtualization module. Virtual local server, DCS distributions are located in a repository with management and updating via AD, it is possible to run several DCS at the same time. CUPPS supported solution is optimized for large airports;

Requirements:

- Windows 10+
- The application requires administrative rights in the OS
- ATB/BTP & BGR maintain AEA standard of Firmware
- Minimum time spent on training and implementation of the solution
- Hybrid platform installed by either Native or CUPPS version of DCS.

СЕРВЕР HP-DCS
АЭРОПОРТ UDPS

СЕРВЕР ASTRA-DCS
АЭРОПОРТ UDPS

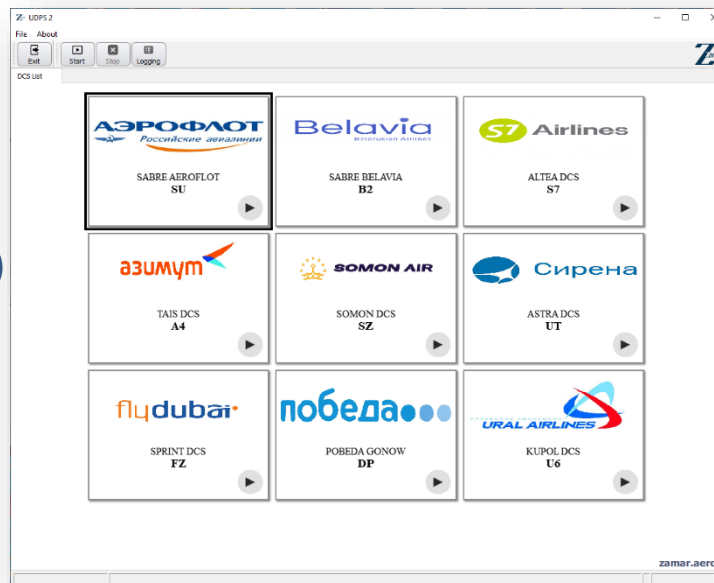
СЕРВЕР SITA-DCS
АЭРОПОРТ UDPS

СЕРВЕР ALTEA-DCS
АЭРОПОРТ UDPS

СЕРВЕР SABRE-DCS
АЭРОПОРТ UDPS

СЕРВЕР REGINA-DCS
АЭРОПОРТ UDPS

СЕРВЕР TROYA-DCS
АЭРОПОРТ UDPS



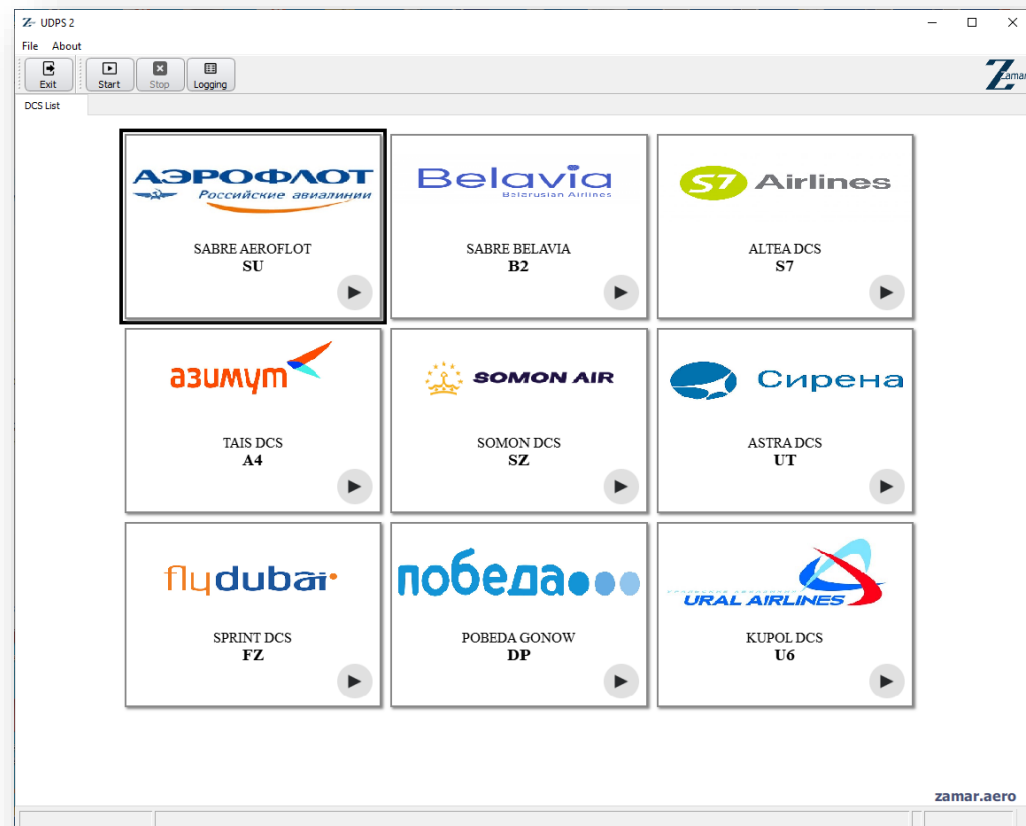
Platform advantages

1. The platform is designed as an application to a PC and does not require a local server infrastructure. Cloud server contains only settings and users that do not affect performance of the platform at the airport in case of outage of the link with the server;
2. The platform maintains Native and CUPPS versions of DCS at the same time, which makes it more flexible in relation to the use of DCS carriers;
3. The platform does not "break" since in the architecture of our system each workstation is a separate cell, breakdown of one cell does not affect the work of the rest;
4. The platform allows you to use any third-party PC applications. For example, internal corporate chat, Microsoft office, etc.;
5. Certification of new DCSs on the platform is free and remote;
6. Multi-port, the HUB module allows you to monitor and manage Airport Terminals from a single center;
7. Easy to maintain. We train local staff and give full access to "support level 1 and 2", all minor problems are repaired literally in minutes without long waiting for help from a call center and opening a ticket / case / work order, etc. + remote technical support 24/7 in your native language;
8. Availability of different versions of the platform for "size" of the infrastructure and the needs of each specific airport;
9. Considerable flexibility in pricing;
10. We do not require replacement of equipment. If the airport has modern equipment already purchased we can deploy the system on the existing infrastructure;
11. Regular VPN connections are used between the airport router and airline servers, thus both the airport and airlines are exempt from the costs of AviNet or SitaHub;

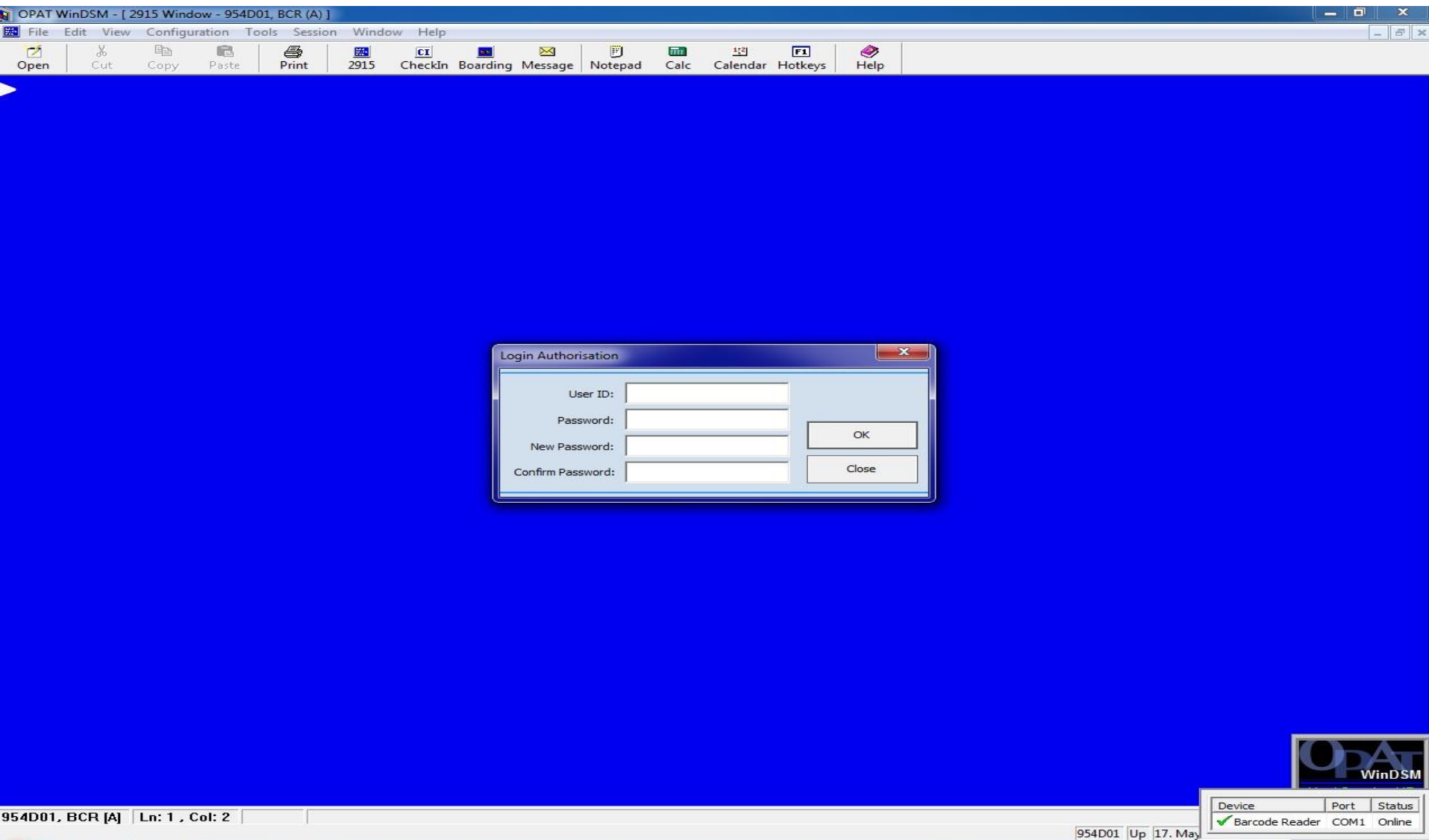
Launching DCS from the UDPS

DCS can be launched in three ways:

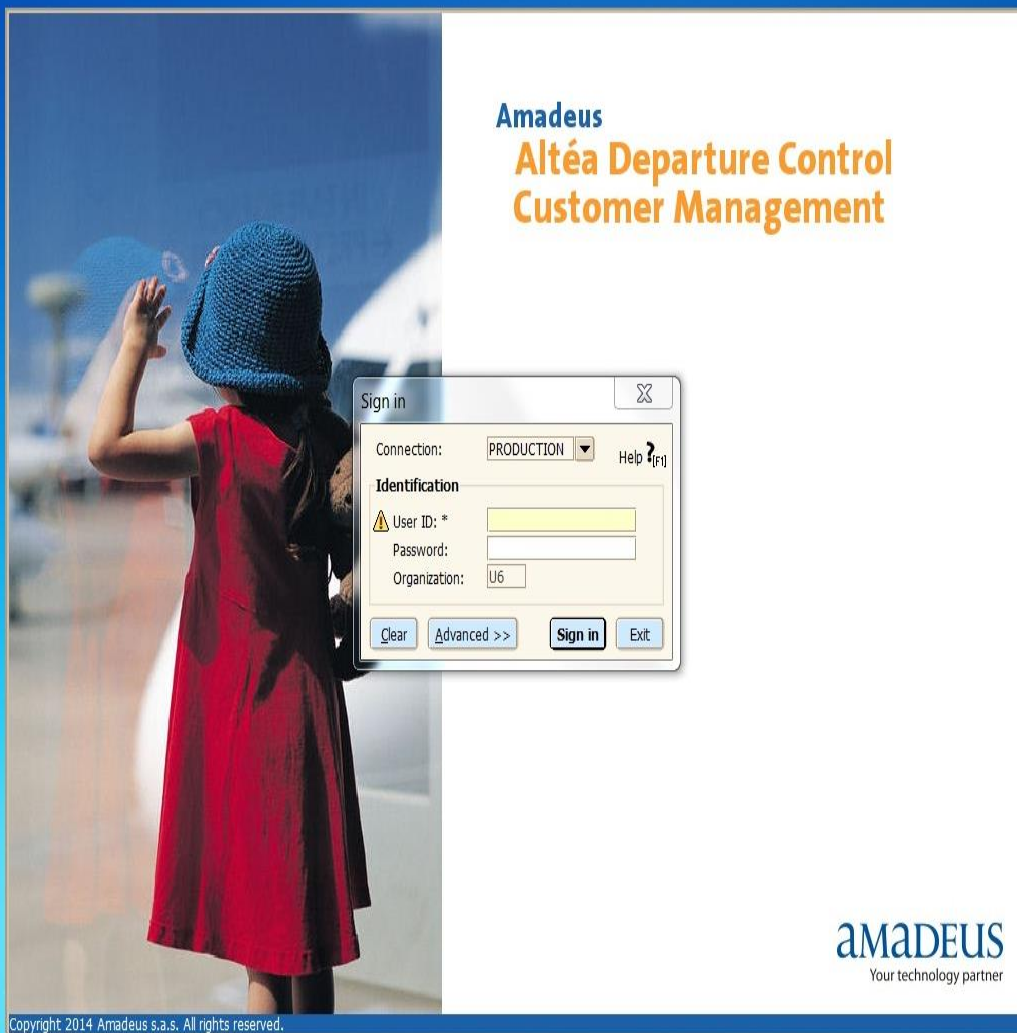
1. Double click on DCS logo
2. By selecting DCS from the list and clicking on the Run (Green) button on the toolbar
3. Select DCS using the keyboard up and down keys and press ENTER.



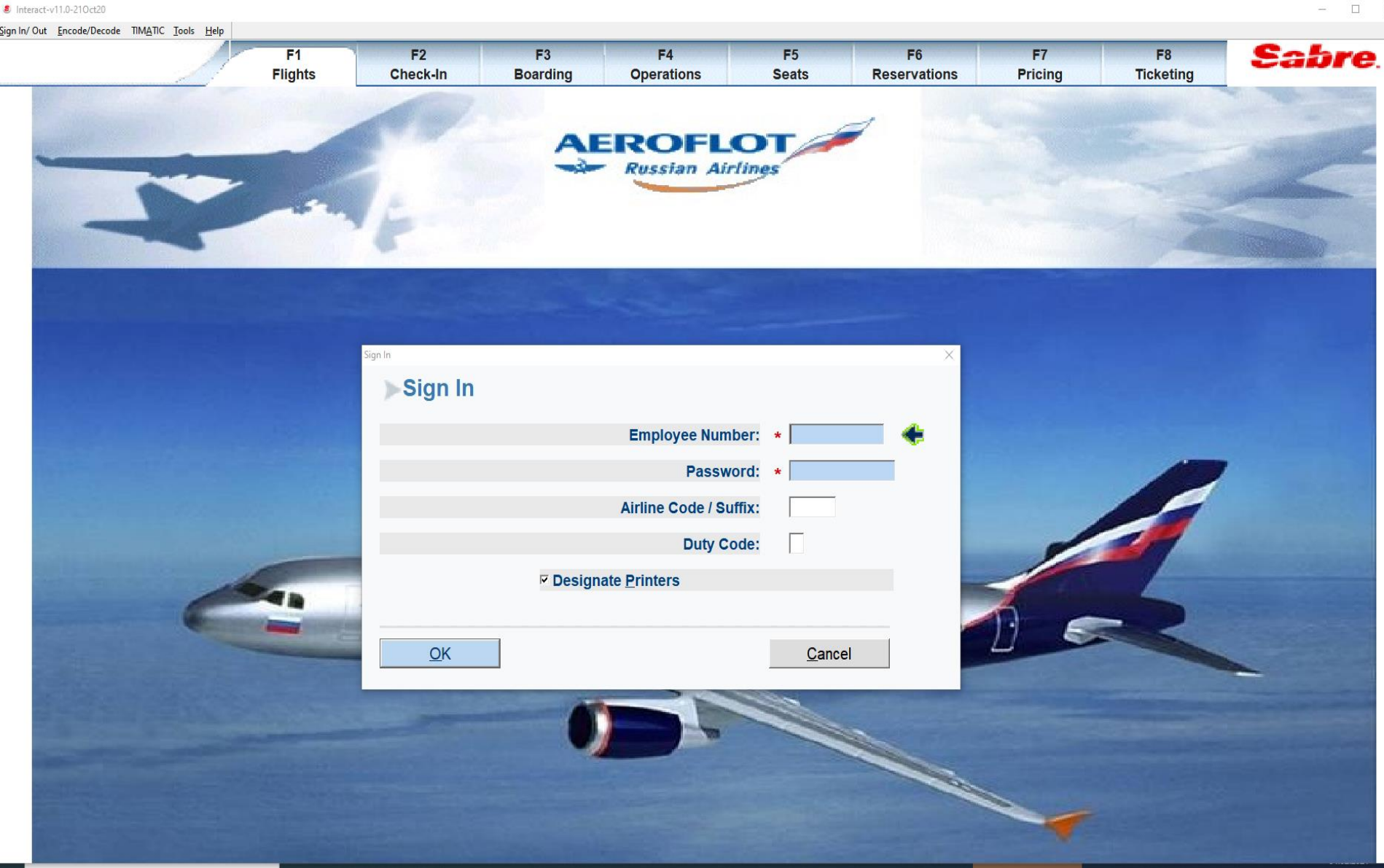
ASTRA DCS launch from the UDPS



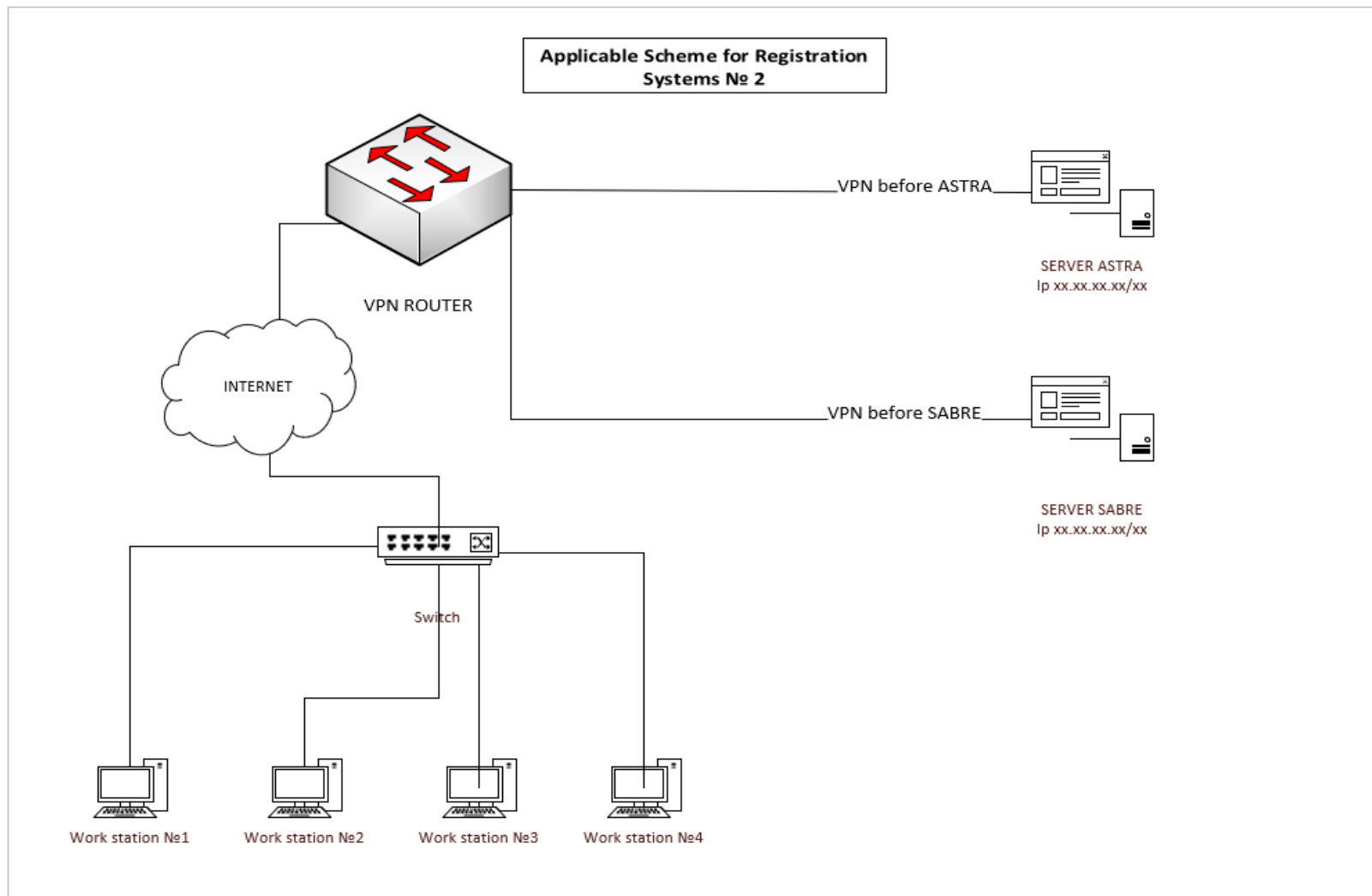
ALTEA DCS launch from the UDPS



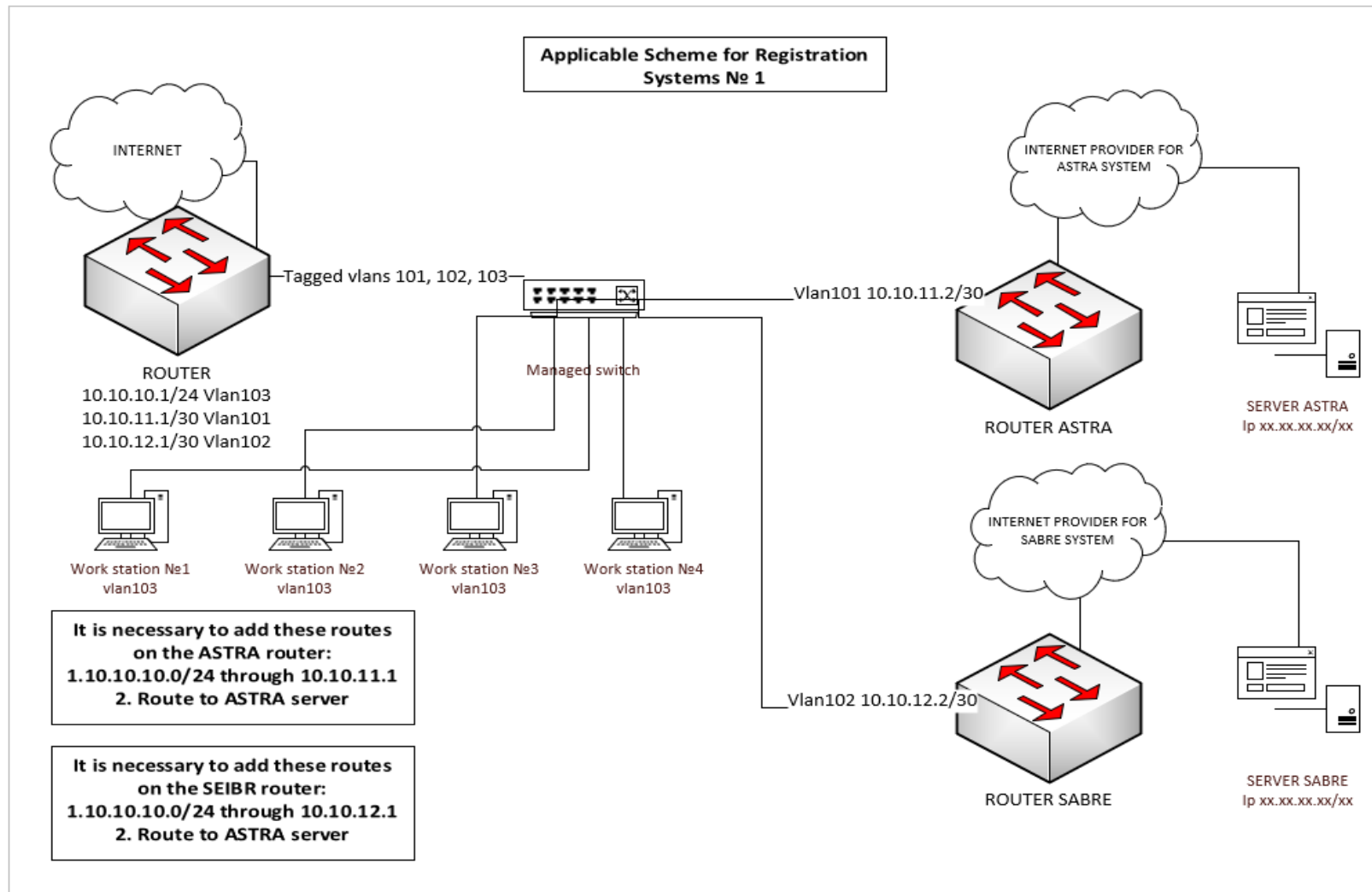
SABRE DCS launch from the UDPS



Network connection diagram



Network connection diagram



Options- Local DCS

Simple and user-friendly interface for passenger check-in, pre-booked groups, creating new groups, piece or weight baggage check-in concepts, NOREC / INAD / DEPO passengers and much more....

The screenshot displays the Zamar Local DCS interface for flight 7J 645 on Saturday, October 24, 2015. The flight is a BOEING 737-300 operating on the LBD - DME route. The status is 'FO - Flight Open' with a standard time of 00:00. The interface includes a menu bar with options like Flights, Window, Settings, Devices settings, and About. Below the menu is a toolbar with icons for Exit, Flights, Reload, Check-In, Boarding, List, Tr. List, Comments, Pax, Bag, Tr. Manifest, NNOS, INFT/CHLD, and History. The main area shows flight information and a passenger list. A green box highlights summary statistics: 1 pax in BUSINESS PREMIUM, 196 pax in ECONOMY, 189 Adults, 5 Children, and 1 Infant. The passenger list includes names, details, groups, destinations, classes, sequences, baggage, PNRs, seats, and statuses. A seat map on the right shows the layout for Economy class (Y) with rows 1-13 and columns A-F. Red arrows point from specific passengers in the list to their assigned seats in the map.

Flight: 7J 645 Sat Oct 24, 2015 - CHECK-IN 136Y BOEING 737-300

Routing: LBD - DME Gate: ? STD: 00:00 Status: FO - Flight Open 00:00:00

Information

- Total of 1 pax in BUSINESS PREMIUM class of list
- Total of 196 pax in ECONOMY class of list
- Total 189 Adults 5 Children 1 Infants in the List
- Total 0 of 1 Pax Checked-In and 0 of 0 Pax Boarded in BUSINESS PREMIUM class
- Total 0 of 196 Pax Checked-In and 0 of 0 Pax Boarded in ECONOMY class
- Total 0 Male(s) 0 Female(s) 0 Child(ren) 0 Infant(s) Checked-In
- Total of 0 pieces 0 kg Baggage and 0 kg Handbaggage checked-in

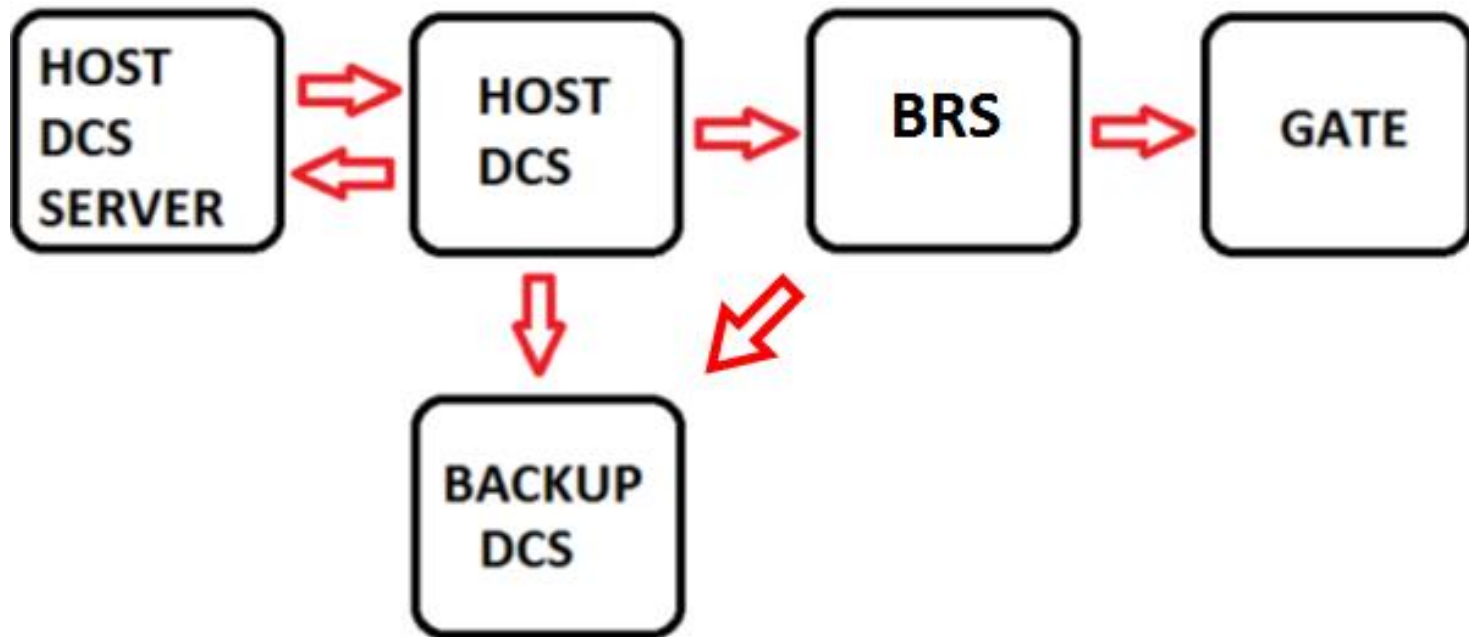
Name	Detail	Group	Dest	Class	Seq	Bags	PNR	Seat	Status
ABOSOVA OZODA	Male		DME	Y			SK6G6X/1H	4A	Ok
ALIKULOVA HANIFAJON	Child	D2	DME	Y			SK5CK8/1H	8A	Ok
ALIKULOVA UGHULOI	Male + Infant	D2	DME	Y			SK5CK8/1H	8F	Ok
ABDULLOEVA SHUKRONA	Male	I2	DME	Y	2		SKT1B4/1H	12A	Checked-In
ABDUHALIMOVA DILRABO	Male + Infant	J2	DME	Y	1		SKTM4S/1H	13A	Checked-In
ABDULLOEVA SHAKHNOZA	Male + Infant	I2	DME	Y			SKT1B4/1H		Ok
AKHMEDOV BOBIR	Male		DME	Y			SKTPFV/1H		Ok
ANORBOEVA DILDORA	Male		DME	Y			SL3XV8/1H		Ok
ATABOEV BAHODUR	Male		DME	Y			SKT2MP/1H		Ok
AZAMOV MUHAMMAD	Male		DME	Y			SKC1C1/1H		Ok
AZIZOV ABDULKHAMID	Male		DME	Y			SKB6F4/1H		Ok
AZIZOV ANSOR	Child	F2	DME	Y			SK7554/1H		Ok
BUZURGHONOVA FARANGIZ	Male + Infant	S5	DME	Y			SL2K3V/1H		Ok
DZHAYNAKOV BAHODIR	Male	M2	DME	Y			SKC963/1H		Ok
DZHOMATOVA NASIBA	Male		DME	Y			SKP0PW/1H		Ok

Y: Economy

TIME NOW IS UTC: 05:59 Local: 10:59

Options- Back Up DCS

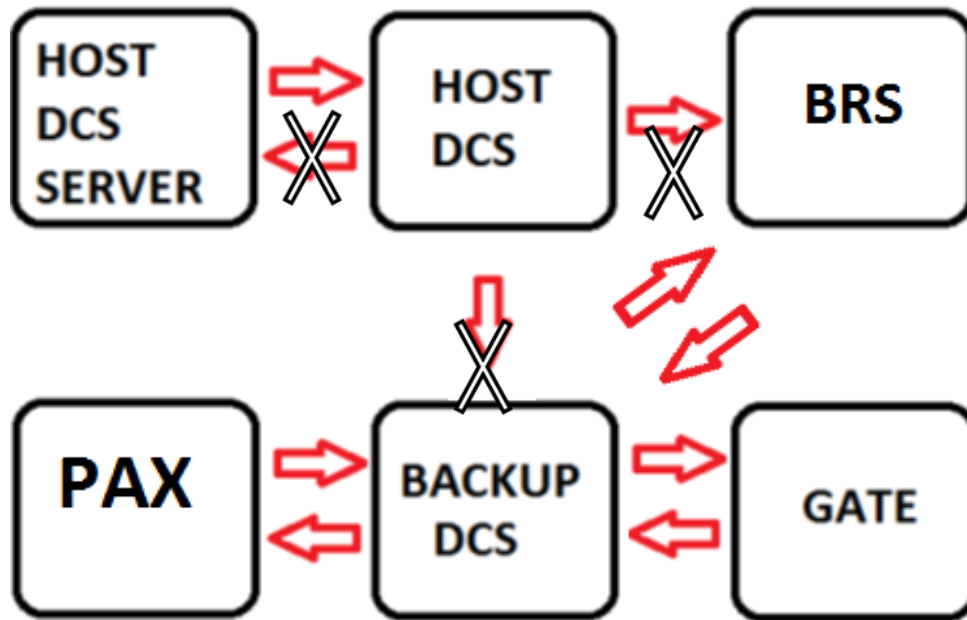
How it works?



Reservation is carried out via PNL / ADL / SOM messages received from HOST DCS and data synchronization with IPDM- Integrated Passenger Data Module with subsequent virtual check-in of passengers in AERO DCS (Backup DCS).

Options- Back Up DCS

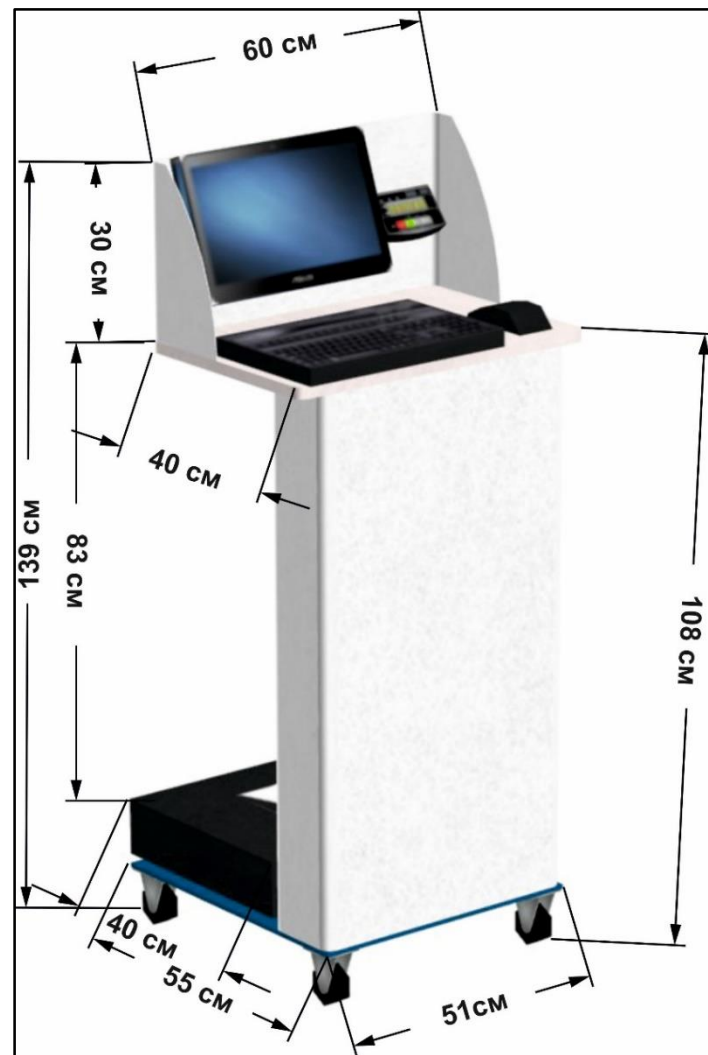
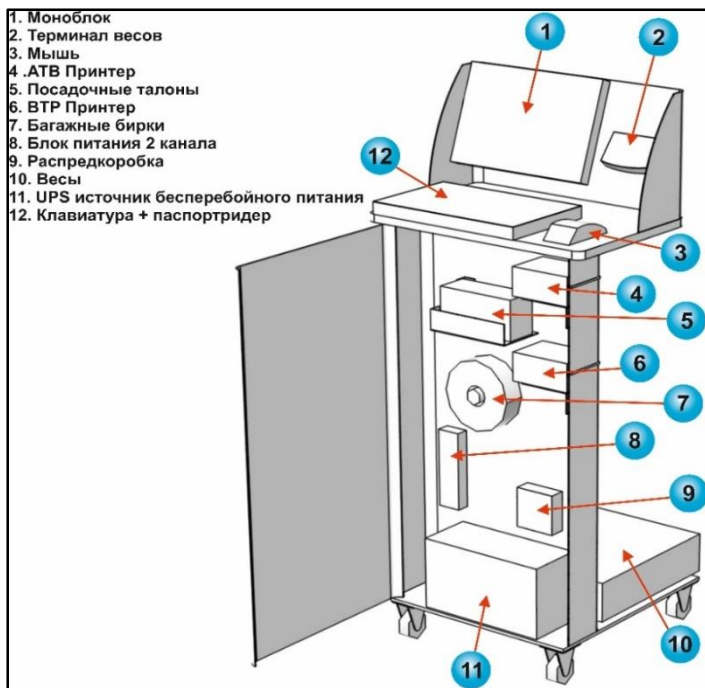
Thus, in case of problems with the host DCS, it is possible to carry out automated check-in of passengers in the AERO DCS (RAM DCS), where the checked-in passengers and pre-booked seats from the host DCS will already be marked.



Thus, in case of problems with the host DCS, it is possible to carry out automated check-in of passengers in the AERO DCS (RAM DCS), where the checked-in passengers and pre-booked seats from the host DCS will already be marked.

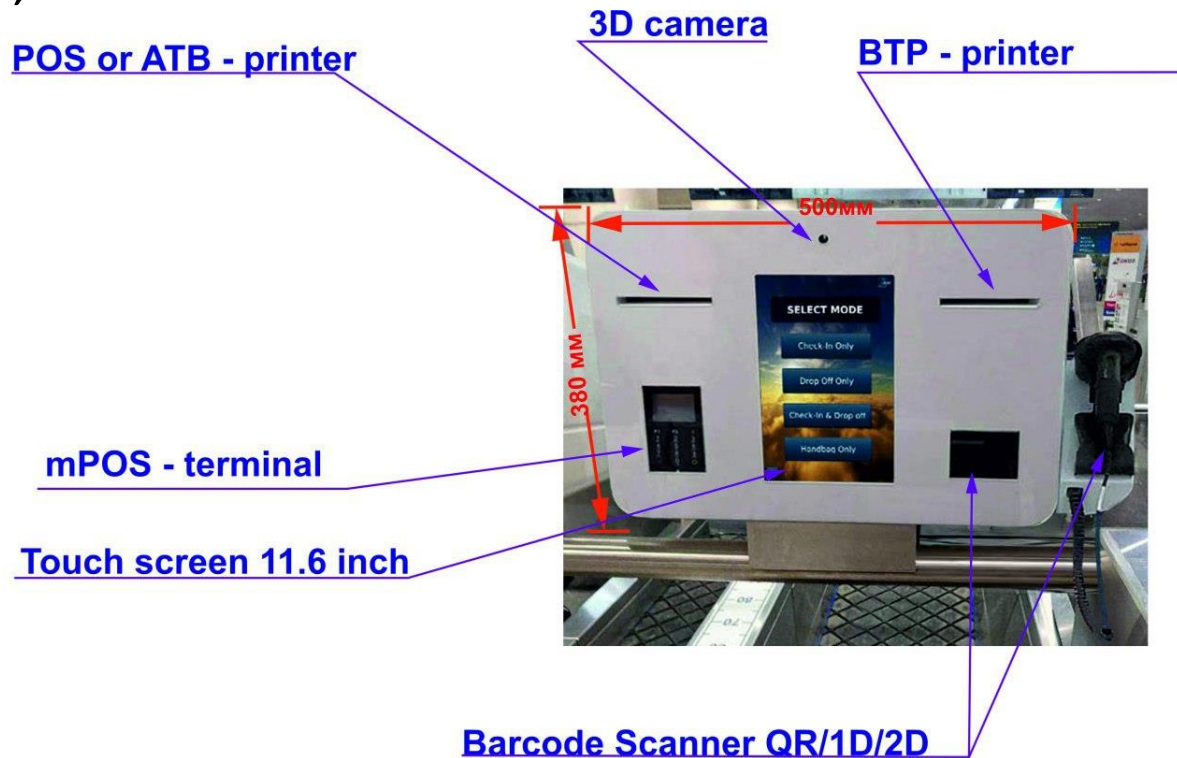
Options – BackUp CUTE

A rarer case is to ensure uninterrupted operation of AIRPORT PASSENGER SERVICE in case of breakdowns on the public access platform CUTE or LAN of the airport. In such circumstances, we suggest using a portable check-in counter or GATE, AERO DCS (RAM DCS) in this configuration works outside the airport CUTE, and communication between the portable counters with the server is provided via the airport WLAN etc.:



Options - CUSS / SBDO

Moreover, the system can be deployed outside the airport CUTE network at **KIOSKS of self-check-in** of passengers and self-check-in of baggage. CUSS kiosks can connect to the AERO DCS server (RAM DCS) via the airport LAN outside the SITAHUB / ARINK AVINET network, etc.



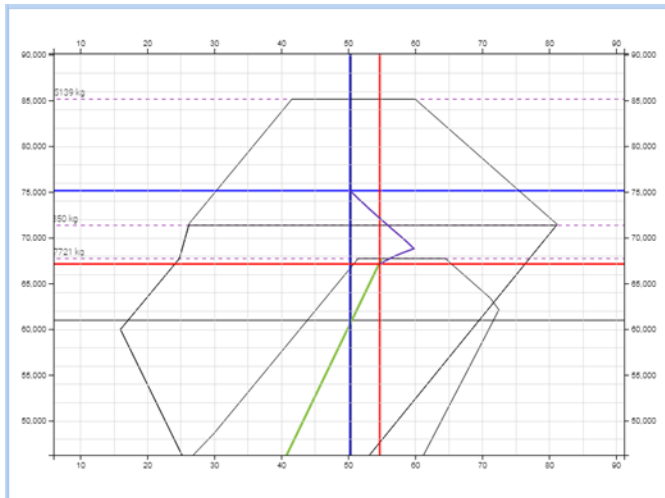
Options - Self Boarding Gate

SBG – SELF BOARDING GATE The electronic turnstile automates the boarding process, allowing the passengers to access the plane by using either their boarding pass or a biometric ID. This device speeds up the completion of departure formalities and helps passengers board the plane quickly, while reducing the airport's service expenses per each passenger. Furthermore, the automated turnstile is more secure and prevents human error when controlling access to the terminal's restricted areas.



Options - W&B weight and balance

- Maintaining the AHM560 base;
- Parameter settings taking into account history;
- Work in a single system of representatives of various services;
- Built-in integration with cargo agent systems, booking and passenger registration systems;
- Built-in telegraphy processing system;
- Control of the technological schedule of work of center operators and the implementation of the stages of centering;
- Logging of all user actions;
- Possibility of automatic placement of loads for optimal alignment;
- Intelligent control system;



АНМ 560

Контроль

Удалить (Del)

Версия АИЛ

Актива с

Сформирован: 01.10.18

Оплатственный: Сервисная

Причина: Тест

Номер версии: 14

Бортовой номер: ТСНА

Тип ВС: 739

Авиационный: ТК

Единицы измерения: ИМПЕРСКАЯ

Действует с: 05.08.18

Применить ограничения

Правила

Веса и моменты

Схемоболасатор

Топливо

Электрон

CG Limits

Пассажеры

Круги и клинья

Груз Контроль

Грузы

Компоненты радио

+ Добавить (Del)

X Удалить (Del)

№	Сх.	№	Гру.	Платформа	Код	Класс	Первый ряд	Последний ряд	Колес кресел	Полно	Индикс	
1	СН			1	Основная платформа	0A	C	1,00	4,00	24,00	-0,048000000	-0,0119980
2	Y33			2	Основная платформа	0B	F	5,00	12,00	48,00	-0,042000000	-0,0040900
3	Y32			3	Основная платформа	0C	F	13,00	20,00	48,00	0,007000000	0,0000000
4				4	Основная платформа	0D	F	21,00	27,00	38,00	0,006000000	0,0000000

Конфигурация радио

+ Добавить (Del)

X Удалить (Del)

Опция	Ряд	Расположение	Индикс
1 0A	1	abc_def	-0,0140000
2 0A	2	abc_def	-0,0220000
3 0A	3	abc_def	-0,0300000
4 0A	4	abc_def	-0,0380000
5 0B	5	abc_def	-0,0460000
6 0B	6	abc_def	-0,0540000
7 0B	7	abc_def	-0,0620000
8 0B	8	abc_def	-0,0700000
9 0B	9	abc_def	-0,0780000
10 0B	10	abc_def	-0,0860000

Код места

+ Добавить (Del)

X Удалить (Del)

Параметр

+ Добавить (Del)

X Удалить (Del)

<http://www.zamar.aero>

Zamar AG

CH-8049 Zurich, Switzerland
Limmattallstrasse 189

