

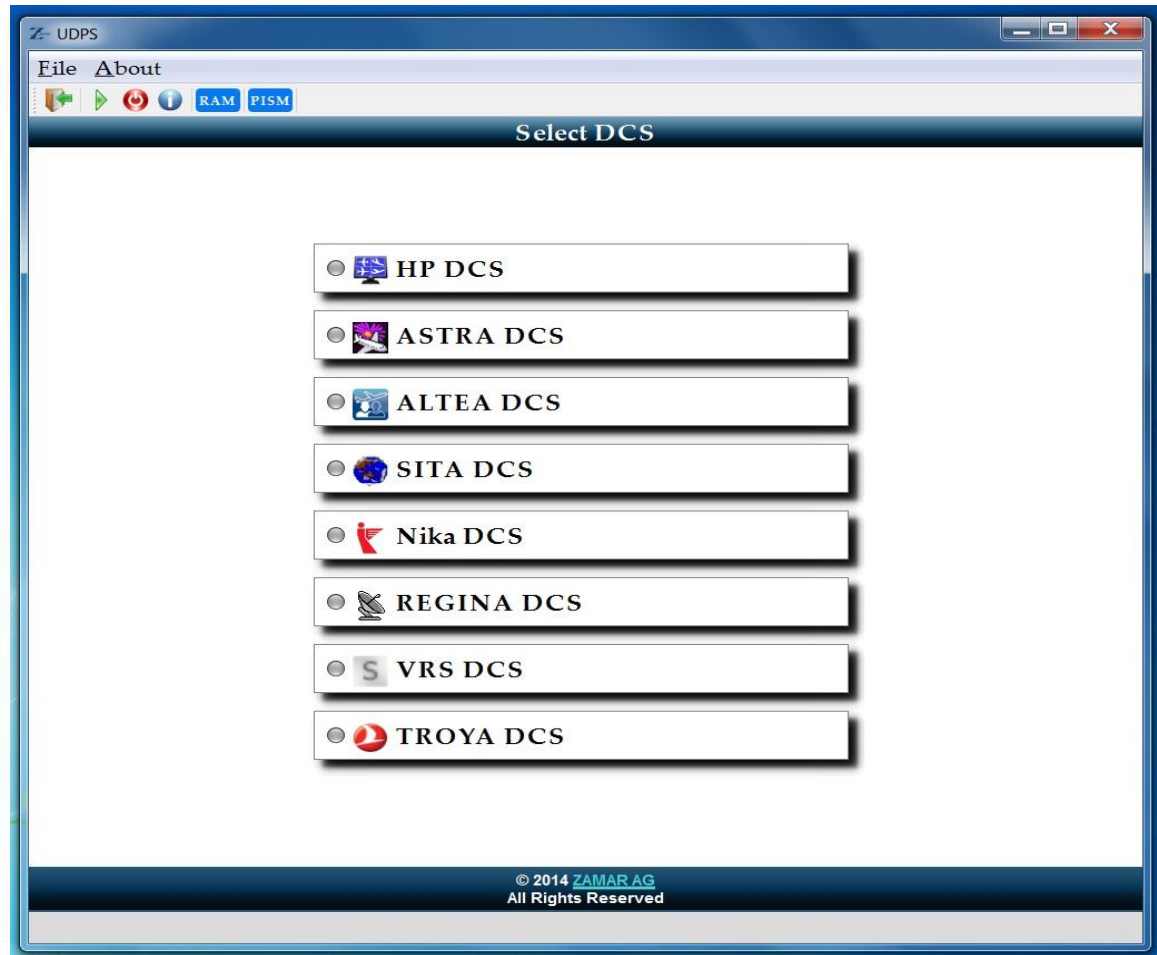


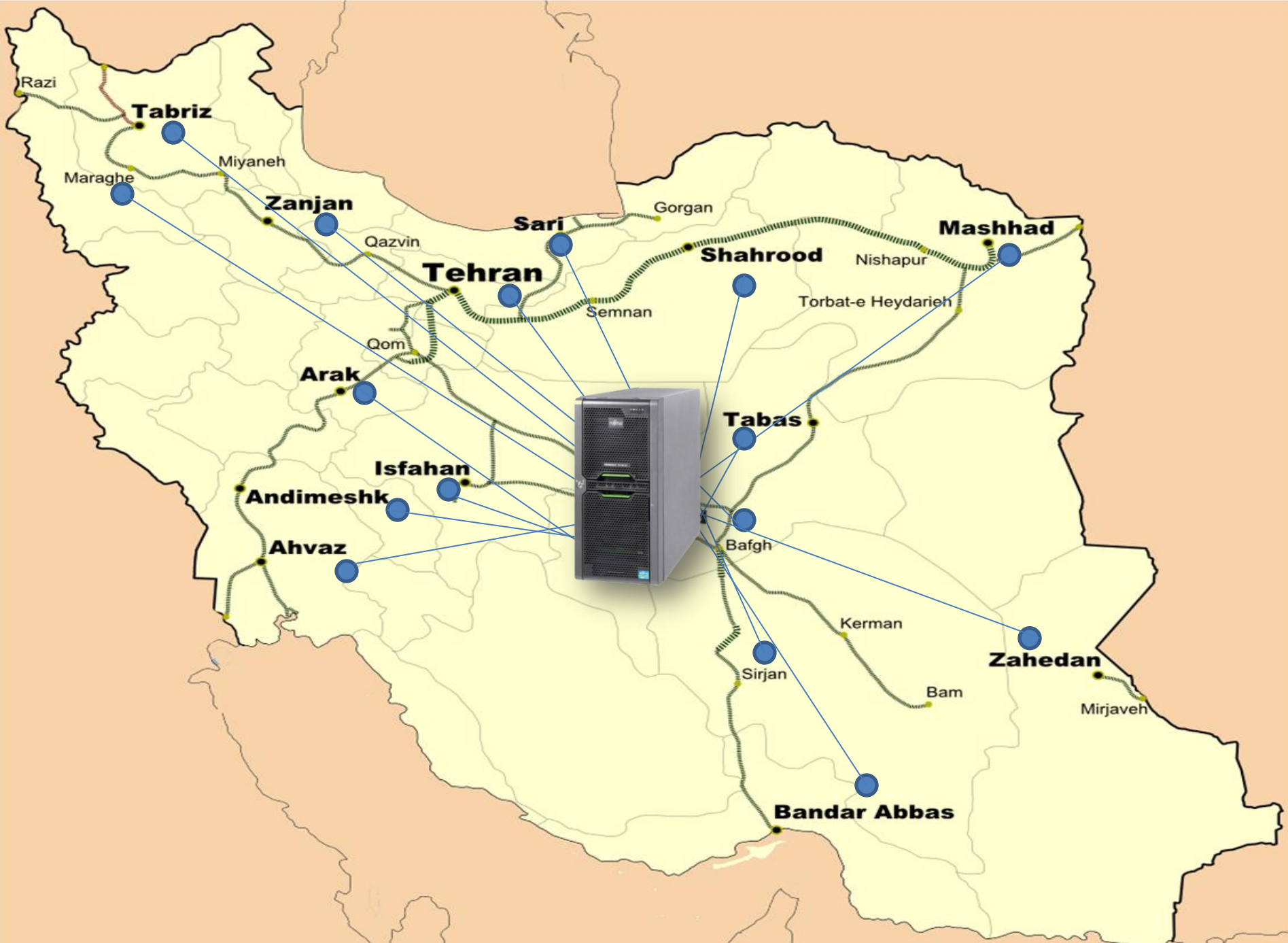
www.zamar.aero

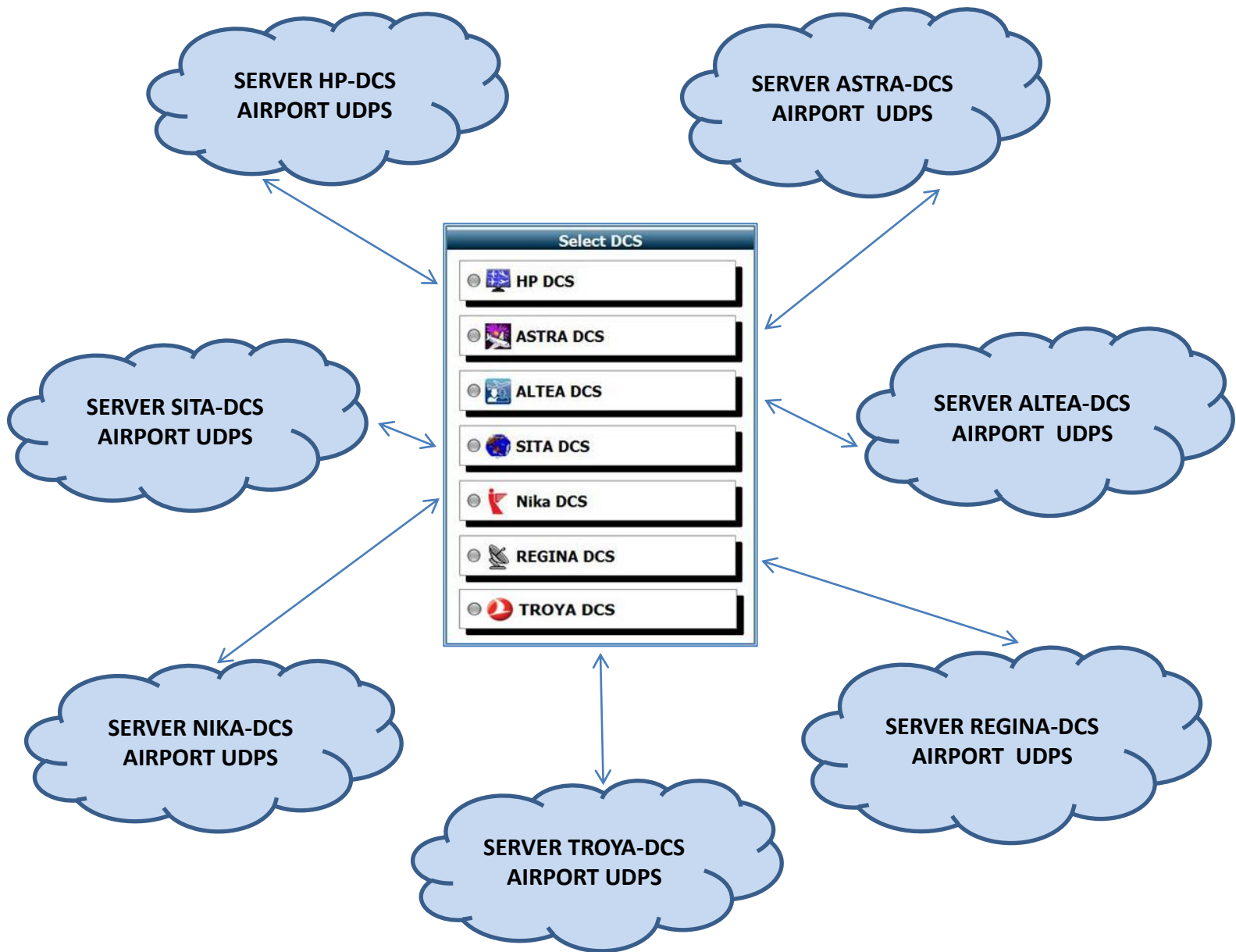


UDPS

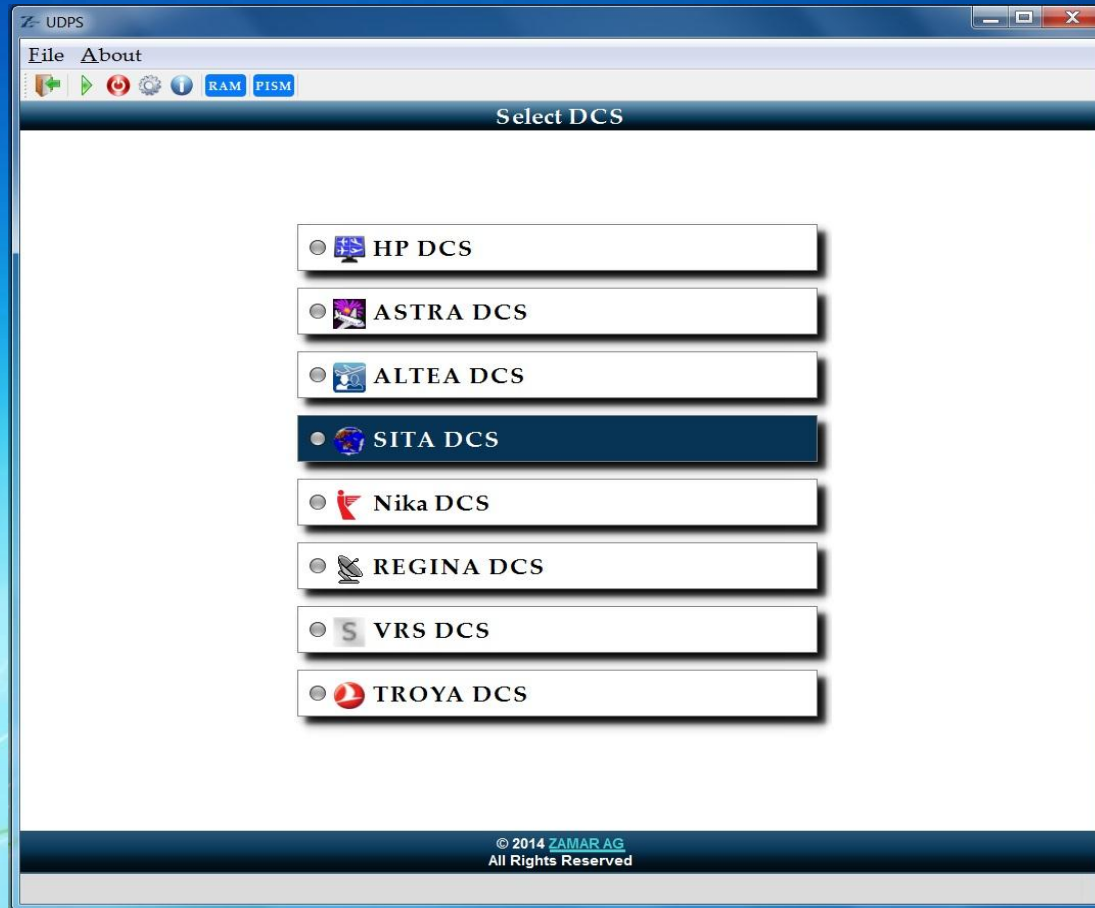
UDPS - is the solution for airports which brings ability to create Multi-DCS Environment and easily switch between DCS Applications on same workstation and printers set for Non-Cute environment.







Launching SITA DCS from UDPS



DCS may be launched by three ways:

- 1. Double click of the mouse button on the DCS**
- 2. Choosing DCS from the list, pushing on selected button (green) on toolbar**
- 3. Selection DCS using the keyboard, up and down keys then pressing Enter.**

Launching HP DCS from UDPS



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Check-in Electronic tickets



- axsRes airlines: Full ET Interface with axsRes passengers
- 3rd Party handling:
 - Control method: Request ET based on TKNE on PNL/ADL
 - Offline method
- Check-in: Identify passenger and update ET as 'checked-in'
- Post departure:
 - Set ET to 'Pax flown'
 - Handback control of ET to 3rd party ET provider
 - Send IATA standard ETL for 'Offline'

ET – 3rd Party Ground Handling



- Online ET 3rd party GH projects, based on IATA 722h 'Control method' with online – online ET data transfer:
- Implemented (own host system):
Swiss International Air Lines, Brussels Airlines, Olympic Air, Malmö Aviation
- Implemented (3rd Party Ground Handling) (total currently 49 airlines):
Adria Airways (JP), Aeroflot, (SU), Afriqiyah Airlines (8U), Aerosvit (VV), Air Algerie (AH), Air Europa (UX), Air France (AF), Air Malta (KM), Air Mauritius (MK), Air Malawi (QM), Air One (AP), Alpi Eagles (E8), Austrian Airlines (OS), Belavia (B2), BH Airlines (JA), Blue1 (KF), British Midland Airways (BD), Bulgaria Air (FB), Cimber Air (QI), Cirrus Air (C9), Croatia Airlines (OU), Cyprus Airlines (CY), Egypt Air (MS), Finnair (AY), Iberia (IB), Iran Air (IR), JAT (JU), KD Avia (KD), Libyan Airlines (LN), Linhas Aereas de Mocambique (TM), LOT Polish Airlines (LO), Lufthansa (LH), Luxair (LG), Malev (MA), Middle East Airlines (ME), Montenegro Airlines (YM), Rossiya Airlines (FV), Royal Air Maroc (AT), Royal Jordanian (RJ), Scandinavian Airlines System (SK), South African Airways (SA), Saudia Arabian Airlines (SV), (Spanair (JK), Tarom (RO), TAP Air Portugal (TP), Tunis Air (TU), Turkish Airlines (TK), Transaero (UN), Ukraine International (PS)

Automatic Through Check-in

- Automatic through check-in on own system (OSTCI)
- Inter Airline Through Check-in based on UN-Edifact (IATCI) to more than 30 partner systems with over 95 airlines.
- Automatic return check-in on own system and with partner systems
- Re-display and amend information anytime
- Re-activate Through-check-in (if failed previously)

Passport and Security



- Table controlled collection and sending of passport data
- API data collection in UN-Edifact standard
- AQQ/Secure Flight process for USA, including Overflight
- E-border implemented with UK (new also via Matip A Link – no Sita cost)
- APP for Australia, New Zealand, Bahrain, Kuwait, South Africa
- ESTA (US Visa Waiver program) indication in Pax record
- Secure Flight processing out of axsControl (passport data at -72 hrs)

Frequent flyer, Voucher printing



- Collection of Frequent flyer numbers, with various feasibility checks (digit checks, check if FQTV nbr is accepted by airline)
- Voucher printing for meals and drinks
- Flexible editing of layout and values
- Individual printing at check-in
- Batch printing

swissport 		ECONOMY		ECONOMY <i>linga pass</i>	
BREAKFAST VOUCHER/VALID UNTIL 02JUN/0710		Before and after you fly, you are in good hands with Swissport:		Name BUSCHOR/BALTHASARMR	
INVOICE TO SWISS AIRLINES 8058 ZURICH-AIRPORT		the world's finest ground handling services provider.		From ZURICH To LONDON LHR	
SERVICE PROVIDER AIRPORT RESTAURANTS ZURICH-AIRPORT PLAZA RESTAURANTS ZURICH-AIRPORT		ZRH LHR		01 JUN LX 316	
		9C		BA 6688 Y 01JUN0710 LX 316 Y 01JUN0710	
		0011		Gate BoardingTime Seat Smoke BREAKFAST VOUCHER	
18CHF					
SM SP2 ZRH				swissport  Q	

Web Check-in solution



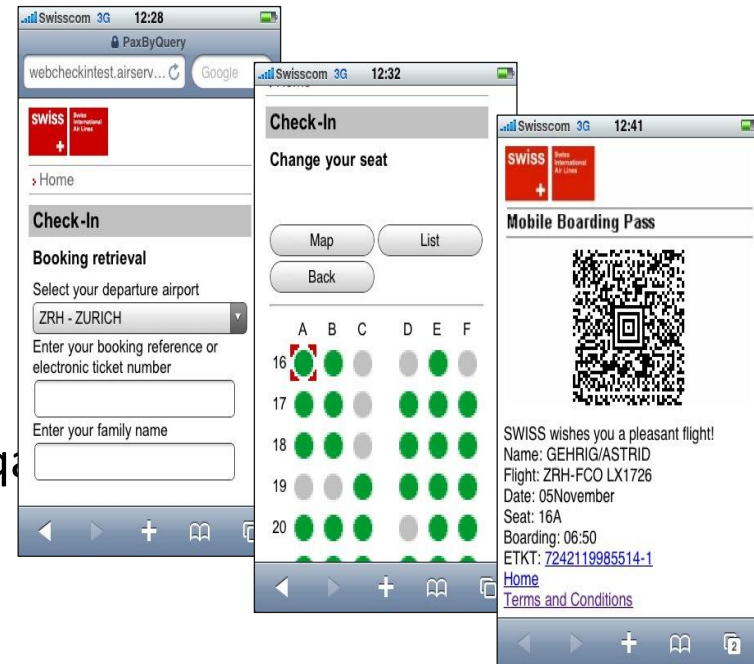
- Passenger identification
- Via ETKT, FQTV nbr or PNR (optional name)
- Multiple Passengers and flights selection
- FTQV number update, seat map and seat selection
- API data capture: optional (as per host requirements)
- Document printing: .pdf boarding pass or Web check-in receipt can be printed, saved or sent via e-mail or to Mobile

A screenshot of a web browser displaying the Brussels Airlines Online Check-In interface. The browser window title is "Brussels Airlines Online Check-In - Microsoft Internet Explorer provided by EDS COE". The address bar shows the URL "https://checkin.brusselsairlines.com/CI/Webforms/PaxBySelect.aspx". The page features the Brussels Airlines logo and the text "A STAR ALLIANCE MEMBER". Below this, there are four tabs: "Identification", "Check-in", "Summary", and "Boarding Pass". The "Check-in" tab is active. The form prompts the user to "Please enter following information:" and includes fields for "Select your departure airport" (BRU - BRUSSELS), "Select your airline" (SN), "Enter your flight number", "Select your departure date" (Today), and "Enter booking reference or e-ticket number" (L3C6TD). There is a checkbox for "I agree to the online Terms and Conditions" and three buttons: "Exit", "Back", and "Continue". At the bottom, there are links for "Online conditions" and "Download Adobe Acrobat Reader".

Mobile Phone Check-in solution



- Integrated with HP Web check-in solution (infrastructure, development, support, functionality)
- Mobile specific functions
- Device recognition – themes
- Mobile boarding pass interface with Mobiqua
- Mobile check-in functions same as Web C/I
- Implementation project
- SMS transmission via external provider (Mobiqua)



Automated Check-in



- axsControl DCS enables automatic check-in in 2 ways:
 1. Automatic check-in based on an indication in the passenger profile for frequent flyers:
 - The passenger is automatically checked-in by a time-initiated function and the boarding pass data and bar code is sent to the passenger's e-mail address or mobile phone
 - This is currently available for Swiss passengers only
 2. Passengers can be checked-in automatically based on the CHKD SSR on the PNL:
 - On read-in of the SSR item CHKD the passenger is checked-in automatically on the seat indicated in the RQST SSR item. This is also possible on free-seating flights.

This function is used to check-in passengers on axsControl, which have previously used an independent web check-in solution from an airline.

Bar coded boarding pass



- Pectab defined Boarding Pass
- ATB Boarding Pass
- 2D Bar coded Boarding Pas

Boarding Pass

Boarding Pass

KARACHALIOU / STELLA 020

PLEASE REPORT TO THE GATE NO LATER THAN BOARDING TIME INDICATED

ETKT 0507168215605-1

ECONOMY

Travel Information

If you travel with hand baggage only, you may proceed to the gate directly. If you travel with baggage, kindly proceed to any check-in counter at the airport at least 60 minutes before departure to check-in our baggage.

Allowed carry-on baggage dimensions
56cm x 36cm x 23cm / 8kg

Bringing liquids on board
In compliance with international security regulations, liquids are

NAME
KARACHALIOU / STELLA

FROM KEFALLINIA
TO ATHENS

FLIGHT OA 631 CLASS Y DATE 04SEP08 TIME 0705

GATE	BOARDING TIME	SEAT	SMOKE
	0645	1A	NO

ETKT 0507168215605-1

swissport API COMPLETE ECONOMY ECONOMY

BOARDING PASS

0006
AGHLAL / SALIHAMS

07NOV
30 2391
NDR MAD

NAME OF PASSENGER
AGHLAL / SALIHAMS

FROM NADOR
TO MADRID

FLIGHT CLASS DATE TIME
30 2391 Y 07NOV 0650

GATE	BOARDING TIME	SEAT	SMOKE
	0550	26A	NO

4 40 0006 53 NDR
ETKT 4522350937747-1

swissport

Swisscom 3G 12:41

swiss +

Mobile Boarding Pass

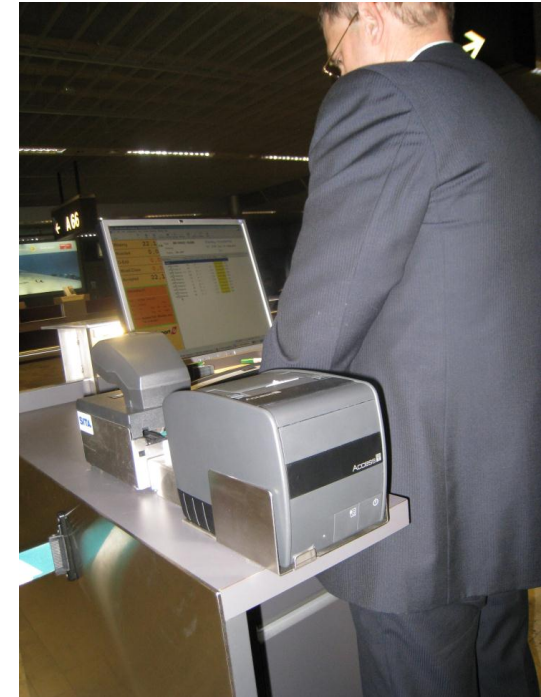
SWISS wishes you a pleasant flight!

Name: GEHRIG/ASTRID
Flight: ZRH-FCO LX1726
Date: 05November
Seat: 16A
Boarding: 06:50
ETKT: 7242119985514-1
[Home](#)
[Terms and Conditions](#)

HP confidential and proprietary – November 2011
axsControl product presentation

Receipt printing during boarding

- HP DCS enables printing of new boarding details by a receipt printer connected to the gate reader, in the following situations:
 - Class upgrade/downgrade
 - Standby acceptance
 - Seat change
- The data elements printed and the font can be defined
- Passengers will be reflected on the boarding list with an indication of the new situation (new class, new seat)
- Implemented in Zurich



BOARDING CLASS UPGRADE	
Name	JULIUS
Alod	LX
Flnr	0016
Date	25FEB
Bord	ZRH
Dest	MCT
Sqnr	0026
Seat	3A
Class	C
Fqtv	
Thursday, January 28, 2010 14:35:34	

BOARDING STAND-BY ACCEPTED	
Name	STANDBY TERRY
Alod	LX
Flnr	0016
Date	25FEB
Bord	ZRH
Dest	MCT
Sqnr	0005
Seat	JUMP-FD
Class	Y
Fqtv	
Thursday, January 28, 2010 15:08:46	

BOARDING SEATCHANGE	
Name	INMAN JOHN
Alod	LX
Flnr	0332
Date	23JAN
Bord	ZRH
Dest	LHR
Sqnr	0034
Seat	17A
Class	Y
Fqtv	
Thursday, February 04, 2010 14:46:57	

Continuous development



- AQQ – interactive passport data to US
- APP – interactive passport data to AUS, KU, BAH, NZL
- E-borders – passport data to UK
- Own Web, CUSS, Mobile Phone check-in solution
- Interface to Swiss Frequent Flyer system
- Various new ET 3rd party Ground handling links (> 45 partners)
- Secure Flight – passport data to USA -72 hrs with overflight
- New ABR – automated baggage rules
- New EMD – electronic miscellaneous documents

Connectivity and hardware platforms

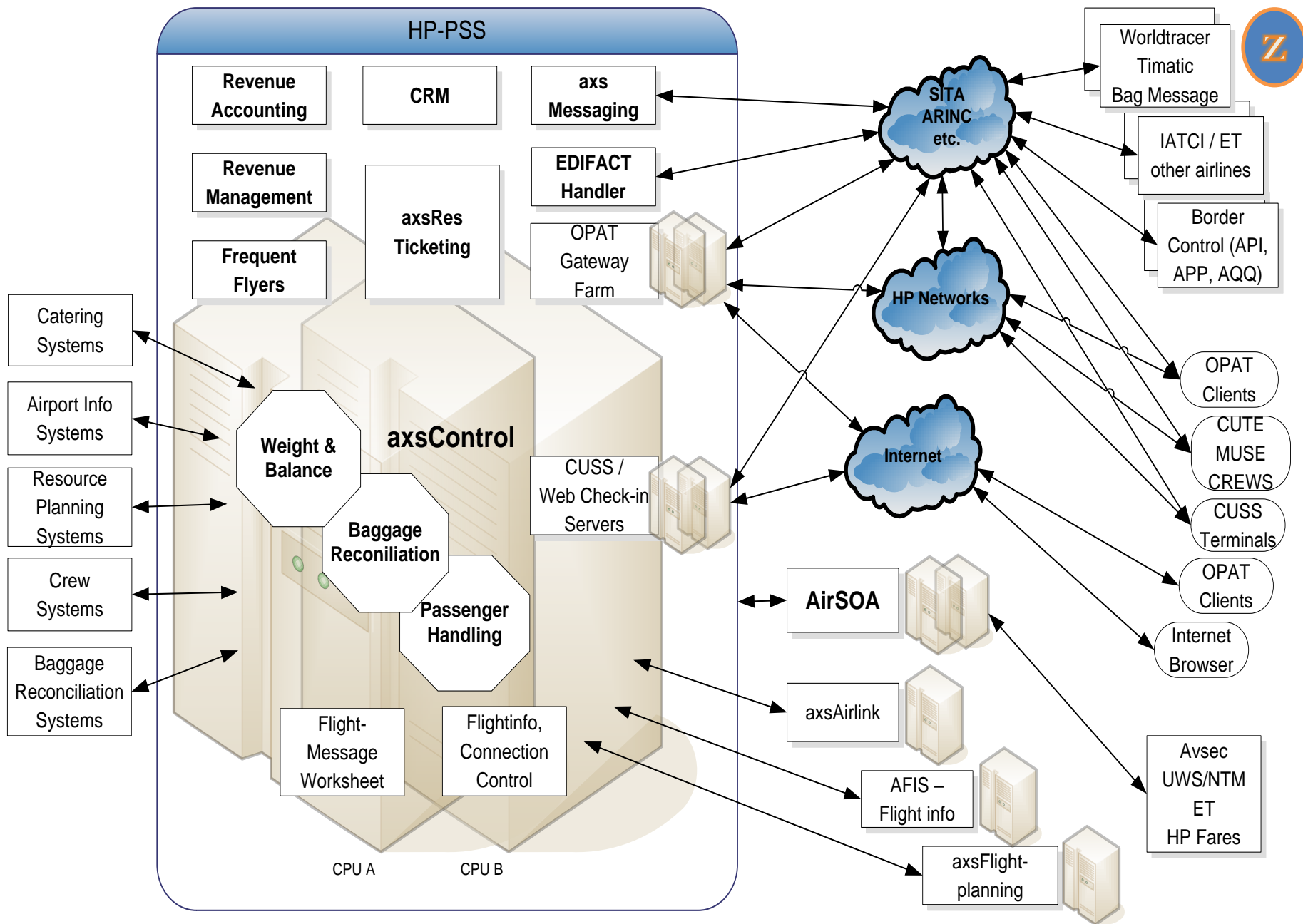


- Hosted mainframe application running in Zurich.
- Opat (connectivity software) connects the host system on the following platforms:
 - Own dedicated PC-type equipment
 - Sita Cute (OS, NT, XP), Arinc Muse, Resa Crews, Ultra Cuse, AirIT
- Connectivity:
 - TCP/IP via Sita Airport IP Express, Arinc AVINet , VPN via Internet
- Hardware types:
 - PC-type workstations, boarding pass, bag tag printer, message printer (Sita/CUTE certified)
 - Bar coded boarding pass printer and gate reader

Technology and infrastructure



- Development Platform ISO-C/TPF, Assembler using SPM
- Operating System Platform TPF or MVS/ALCS; OS/370 Assembler
- Database TPF/DF
- System Distribution Hosting
- User Interface GUI for Check-in,
Standby Acceptance and Boarding
2915 and 3170 native screen



Implementation of new airports



- Planning
- Hardware
- Network, communication
- Training
- HP duties
- Clients' (handling agent/airlines) duties

Implementation planning



- Common kick-off meeting
- Define network / communication how to link to host in ZRH
- Define hardware needs and order equipment
- Define training needs and training dates
- Plan local user training
- Setup DCS database for new station
- Plan possible cutover scenario (local cutover support required?)

Network, Communication, local LAN



- Define network, communication link to host in ZRH
 - ARINC AVINet
 - SITA Airport Connect
 - or others
- VPN setup required?
 - HP Zurich can give consulting regarding VPN solutions.
- Internet (OPAT-I) depending on a stable Internet provider
- Define local infrastructure, cabling, counters etc.



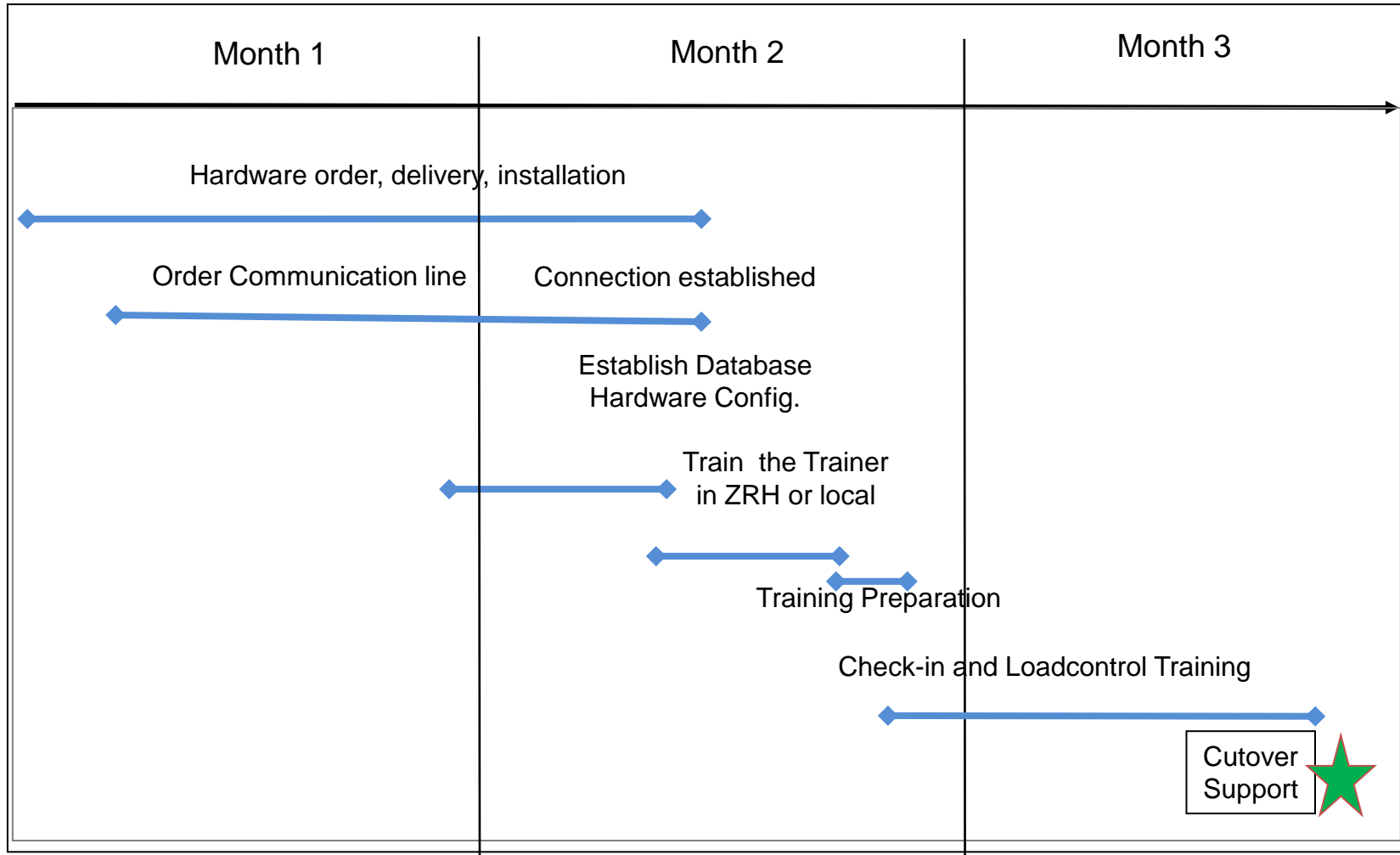
Client's duties

- Assure adequate local infrastructure for installing new equipment
- Arrange communication to host
- Assign a local DCS coordinator and sign administrator
- Assure adequate training and procedures for all users after train the trainer course
- Maintain below mentioned data base tables
 - SPU: boarding times by airline on the boarding pass
 - TAR: teletype address table maintenance, used for the dispatch of all messages out of DCS, e.g. LDM.
 - SFT: sub flight table, codeshare flights
 - RCCA: maintain local flight data base, route and capacity
 - control advisory
 - UCF: sign table
- Provide aircraft data (AHM 560) and seatplans to enable HP to ensure engineering data
- Provide consumables for ATB / BTP pectab creation

Implementation Timeline



Sample timeline



YOUR CHOICE – OUR SOLUTIONS

Compact - Small, lightweight, easy to transport, regardless of external factors and finally a stylish design.

Affordable - Upgrade your airport at minimal cost.

Hi-Tech - With our technologies your airport will rise in line with the leading airports of the world.

Our company is ready to provide the system free of charge for a period up to 30 days for making tests and independent evaluation by all users starting from the airport management, IT staff to check-in agents and etc.

- We are ready to install the UDPS on several check-in counters;
Parallel to the existing system that will allow you to compare functionality and ease of use;
- Send experts for installation, training and technical support for the entire duration of the test;

***WE LOVE OUR WORK AND DO OUR BEST TO ENSURE THAT EVERY
PASSENGER REACHES DESTINATION IN SAFETY AND COMFORT***

