- Homares Baggage Tracking System

Version 2.0

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Baggage Tracking APP - Installation Process

Downloaded APK file needs to be transferred and installed to the Gun scanner using a proper way that is included in the Gun scanner user manual (<u>PM 450 User Manual</u>). After the installation a dedicated icon will be visible to the user to start the application.

Baggage Tracking APP

Start-up and Login

After the installation process, before starting the application, check whether the device has a working internet connection. Also "Users" need to be configured from the DCS application with required <u>privileges</u>, to be used in the login process. After checking and configuring the above, start the application to start the login process. In the Login page, users will be able to select the airline, the airport code and type-in the username and password to proceed with the login. After a successful login, a session will be created and if a session is inactive for 30 minutes then the session will automatically timeout.



Tracking Location Selection

All the available baggage tracking locations for the logged in airport will be listed in the "Airport baggage locations Screen" after a successful login. Depending on the location where the user is handling the baggage, the user can select the location and proceed.

9:30		48
	Tom_THR_674	€
	THR AIRPORT LOCATIONS	
Check-in		>
RAMP		>
Boarding		>

NOTE : These locations can be managed using "Airport Baggage Locations" in the DCS application.

Tracking Location Information

In the location information screen, users can add additional information. If the location is an aircraft loading location, users will be able to add the ULD code and the ULD serial number in addition to the remarks. ULD code and the ULD serial number can also be auto-filled by scanning the ULD barcode. A confirmation message will be displayed to the user to confirm the scanned data. Users will be able to confirm or reject after checking the scanned data. If similar data is scanned, a warning will be displayed to the user. After filling the additional information users can press on the "Start Scan" button to navigate to the Scan screen to begin the scan.

NOTE : These are optional fields. Can be changed as mandatory fields upon an airline request.

9:30		₹.	4
IranAir S		Lange Tom_THR_674	€→
C	CHECK-IN LOCATI	ION INFORMATION	
Remark			
	Start	Scan	
9:30		۰.	48
		Lom_THR_674	€→
	RAMP LOCATIO	N INFORMATION	
(i) Press	'SCAN' button on	the device to scan ULD info	
ULD Code		ULD Serial	
Remark			
	Start	: Scan	
9:30		₹⊿*	
		L Tom_THR_674	*
	RAMP LOCATIO	N INFORMATION	
(i) Pres	ss 'SCAN' button on	the device to scan ULD info	
AKE		12345	
	J	n);	
Rem		de Detected!	
	Confirm	Cancel	J
	Start	Scan	

Scan Baggage

Selected main baggage location and ULD information (if available) will be displayed on the top section of the Scan screen. In the below section last scanned tag number and the total scanned tag count will be displayed. In the process of scanning, if only the scanning is successful, those values will get updated.

Before scanning, baggage screen will be displayed as follows,



After a successful scan Last Scanned tag and Total scanned will be updated,



Users will be able to identify whether the scan was a successful scan or not with the alert dialogs. For a successful scan following dialog will be visible to the user,



Otherwise following will be displayed with a proper error message,



When there's an error, the user should click on Re-scan or Proceed to continue the scanning process. After completing the scan, the user can press on the "End Scan" button to end the scan.

Also users will be able to switch to a new ULD only when the location is an aircraft loading location. To switch, the user needs to scan the respective ULD barcode and then a confirmation pop-up will be displayed to the user with the scanned ULD information.



If the user confirms then the **Last scanned tag number and the Scanned count will be reset** and the screen will be **updated with the latest ULD information**. If the user cancels, nothing will be changed on the screen and will be able to continue scanning baggage for the same ULD. If similar data is scanned, a warning will be displayed to the user and after confirming nothing will be changed on the screen and will be able to continue scanning baggage for the same ULD.

Scanned count and last scanned tag number will be reset in following scenarios,

- When clicked on the "End Scan" button
- When navigated to a previous screen
- When user switched to a new ULD
- When the user logs out.

NOTE : Scanned information can be viewed by using the "Baggage Location Search" in the DCS application.

Navigation and Logout

To navigate within the application, users can use the device back button. And to logout from the application, users can click on the logout button which is next to the logged in user name.

Baggage Tracking System - DCS

In the DCS application, a separate menu item is given for accessing the Baggage tracking related screens as follows.



Baggage Tracking Location Maintenance

Baggage tracking location maintenance screen can be used to maintain all the baggage tracking locations airport wise.

Lottin Section Section Section Image: Section Sectio	-				MAIN MENU		
Locality Section Appropriate Appropriat Appropriate Appropriate				Coursels Docustion			
Advine Location Code Location Code Approt Code 1 AA MC/SPAULAN 3 2 Audo GRUNAPE_CAN 3 3 3 MA GRUNAPE_CAN 3 3 4 MPO TRECHONALIT_ARRIAPE_CAN 6 3 5 TRECHONALIT_ARRIAPE_CAN 2 3 3	U	ocation search		Search Results			
Aligned Gold 1 A.A. MARGONULUN 3 I N.A. GRONOMPLUN 3 3 I N.A. DRONOMPLUN 2 3 I N.A. DRONOMPLUN 2 3 I DRONOMPLUN 2 3 3 I DRONOMPLUN INFORMULAN 2 3 I DRONOMPLUN INFORMULAN 1 3 I DRONOMPLUN INFORMULAN 2 1 I DRONOMPLUN INFORMULAN 1 1 I DRONOMPLUN INFORMULAN 1 1 I <td></td> <td></td> <td></td> <td> Airport Code </td> <td>Location Codes</td> <td>Location Count</td> <td></td>				 Airport Code 	Location Codes	Location Count	
Apprilos 2 Abo GRANAPSIAN 3 Is Mail Linkash 2 4 Is Tasisanatainangangian 6 3 Is Tasisanatainangangian 2 3 Is Tasisanatainangangangangangangangangangangangangang		Anne	IR -	1 AAA	RMP,CHKN,LDN	3	
0 NA LONGNAP 2 1 Mo TRMSHAQLARAMPLON 6 5 TRM GRANUL 2		Airport Code	~	2 ABD	CHKN,RMP,LDN	3	
Image: Specify and Spec				3 IKA	LDN/RMP	2	
5 THR CHANLON 2			SEARCH	4 MHD	TRNF,CHKN,BLT,ARR,RMPJ.DN	6	
Additionalise		_		5 THR	CHKNLDN	2	
Attester							
Adlucator							
Add Leaston							
Additionation							
Atlans							
Adicano							
Adi como							
Aditador							
Add Location							
Ad Louise							
						Add Location	

Locations can be added sequentially and a separate option is given to mark the location as a ramp location.

'iew Airport Baggage Locati	ons			
Airline • IR	~	Airport Code	~	
irport Baggage Locations				
				Add New Locati
Location Code 🖷	Remark	Status 👳	Sequence No. e	Compartment / ULD Loading Location
CHECK_IN		Active 🗸	1	X
BOARDING		Active 🗸	2	
RAMP		Active	3	X
_				
Back				Reset Edit

Baggage Tracking History Search

All the scanned baggage information can be viewed using the Baggage location search screen. Multiple options are given to the users to filter the search results.

	Laut M		Bag Tag	Tracking Point	ULD	Flight Designator	Departure Date	First Name	Last Name	Scanner Username	Scanned Timestamp
Time Mode •	Local	1	0096810464	Check-In	-	IR100	25/06/2024	DRAKE	SHEKARRIZ	IR SYS USER	25/06/2024
Bag Tag No		2	0096810461	Check-in	-	IR100	25/06/2024	BEN	PETERS	IR SYS USER	25/06/2024
Scanned From (Airport)	ка	3	0096810463	Boarding	-	IR100	20:00	DRAKE	SHEKARRIZ	IR SYS USER	25/06/2024
Location/Tracking Point	×	4	0096810465	Ramp	AKE/123456	IR100	20:00	DRAKE	SHEKARRIZ	IR SYS USER	13:17:51
Scanned Date - From .	24/06/2024		0006910462	Pama	AKE/1224E	ID100	20:00	DEN	DETERS	ID EVELIEED	13:20:51
Scanned Date - To 😐	25/06/2024		0090810402	Karrip	AKE/12343	INTOO	20:00	DEIN	FETERS	IN 313 DOEN	13:15:51
Flight No	IR										
ULD Code											
ULD Serial											
CLR	SEARCH										

By clicking on the "Track Baggage" button users will be able to view the tracking information of the baggage.

ggage History				
96739570 JOHN ARTHUR g Teg Pax Name	IR100 11/06/2024 21:00:00 (LT)			11/06/2024 13:18 Last Updated (LT)
Location/Tracking point	ULD code/ Number	Remarks	Scanner Timestamp (LT)	Scanner User
RAMP	AKE/12345	-	11/06/2024 13:18:51	BRSSN
BOARDING	-	-	11/06/2024 13:15:51	BRSSN
CHECK_IN		-	11/06/2024 13:12:51	BRSSN

Baggage Tracking History per Passenger

Users can view the baggage tracking information for a specific passenger via the check-in screen as well. For that user needs to navigate to the check-in screen and then need to select a passenger. Then click on the 'View/Edit' option. Then the user can navigate to the 'Baggage' tab. Inside the baggage tab a dedicated button will be displayed to the user as 'View Baggage History' to view the baggage tracking information for the passenger baggage.

(T2A) (H2A)						
haannger Details APCS	hope	- 158	History Connections			
iggege Summery	10	BADGAGE TAGS	🖶 Print Reggege Tege	Terrore Deppepe	Add New Baggage	
woked in Bappage 3 PCs 102	10	SULLY ALL	19941 2445	Marcare In	PCa. In Address Strate	
Free Allowed Baggage 100 hg		0096/199510	Remark Y	NUMBER OF STREET	Release Tage	
Pre-Funchased Dilig		0096739671	275/71	Release Taga	AVH baggage	
gaddeda		00042/09125		AVH baggage	Add Manual Baggage Tag	
Total Beggege 100	NO.		💣 Tauk Baggage		Remeans Tax Mambar	
cess Bag Details	>				the second secon	
			TEN Bessel Nordet		inger -i	

In the pop-up the latest locations of all baggage will be displayed.

1	View Baggage H	listory		8
API	🚔 Bag Tag: 0096739570	Current Location: RAMP-AKE/12345	~	4
PCa	a Bag Tag: 0096739571	Current Location: CHECK_IN	~	
00 k	🛔 Bag Tag: 0096739572	Current Location: CHECK_IN	~	
NGE				
			CLOS	

Users can click on the record to view all the tracked locations for that specific baggage.

Tracking point	ULD code/ Number	Remarks	Scanner Timestamp	Scanner User
RAMP	AKE/12345		11/06/2024 13:18:51	BRSSN
BOARDING			11/06/2024 13:15:51	BRSSN
CHECK_IN		-	11/06/2024 13:12:51	BRSSN
Bag Tag: 009673957	1 Q Current Location: CH	IECK_IN		
Bag Tag: 009673957	2 Q Current Location: CH	HECK_IN		

Baggage Tracking History Reports

Reports can be generated, by clicking on the 'Baggage Location Report' menu item which is listed under the main menu 'Lists' option. Users will be able to generate two reports. Baggage Location Report and Baggage Location Summary report. ULD code and ULD serial filter criterias will be available for Baggage Location Report only.

		м	AIN MENU		
Baggage Location	Report				
Airline		Report Type .			
IR	*		``		
Flight Designator .		Time Mode 😐		Departu	re Date 🗕
IR		Local	`	25/0	6/2024
Departure Airport					
Select	~				
Export Format			Output Option		
HTML		~	View		~
					Generate Report

• Baggage Location Summary Report,

Baggage Loca	IF100 IF100 OB07/2024 21:00 (LT)	From			IranAir	
Flight Number Departure	IR100 08/07/2024 21:00 (LT)	From				
Departure	08/07/2024 21:00 (LT)		IKA	То	AMS	
		Arrival	08/07/2024 23:00 (LT)	Aircraft	A310-300-J18Y188/EP-IBK	
Saggage Checkpoints						
	Row Number		Checkpoint	То	al Number of Baggage	
	1		CHECK_IN		2	
	Z		KAMP		Z	
saggage in ULDs						
	Row Number		ULD Info	То	al Number of Baggage	
	1		AKE/12345		1	
	2		AKE/23406		1	

• Baggage Location Report,

Bagsage Location Report Introduction Report <th <="" colspan="4" th=""><th>ggage Locatio</th><th>on Report</th><th></th><th></th><th></th><th></th><th></th><th></th><th>•</th></th>	<th>ggage Locatio</th> <th>on Report</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>•</th>				ggage Locatio	on Report							•
Initial parture Initial From KA To AKE parture 08072024 21:00 (LT) Anival 0507/2024 21:00 (LT) Aircraft Allo-300-J19Y188 (EF-LBK) Bag Tag Tracking Point LLD First Name ET number Scienced User Scienced User 00567/2020 Tracking Point LLD First Name ET number Scienced User Scienced User 00567/2020 RAMP AKE-12345 BEN ARTHUR BRSSN 0207/2024 13:16:51 00567/2020 RAMP AKE-12345 BEN ARTHUR BRSSN 0207/2024 13:16:51 00567/2020 RAMP AKE-12345 BEN ARTHUR BRSSN 0207/2024 13:16:51 00567/2020 RAMP AKE-12345 BEN ARTHUR BRSSN 0207/2024 13:17:51 00567/2020 RAMP AKE-12345 BEN ARTHUR BRSSN 0207/2024 13:17:51 00567/2020 RAMP AKE-12345 BEN ARTHUR BRSSN 0207/2024 13:17:51	aggage Lo	cation Repor	t										
parture 08072024 21:00 (LT) Arrival 08072024 22:00 (LT) Arcent A310-300-J18Y188 (EP-4BK) Bag Tag Tracking Point ULD First Name Last Name ET number Scanned User Scanned User 00567-0019 CHECK_IN BEN ARTHUR BRSSN 0.2072024 13:15.51 00567-0019 CHECK_IN BEN ARTHUR BRSSN 0.2072024 13:16.51 00567-0019 CHECK_IN BEN ARTHUR BRSSN 0.2072024 13:16.51 00567-0019 CHECK_IN JOHN ALMAGAN BRSSN 0.2072024 13:17.51 00567-0019 CHECK_IN JOHN ALMAGAN BRSSN 0.02072024 13:17.51	Flight Number	IR100		From	IKA	То	AMS	5					
Bag Tag Tracking Point LLD First Name Last Name ET number Scanned User Scanned Time (LT) 00567-0019 CHECK_IN BEN ARTHUR BRSSN 0207/2024 13:16:51 00567-0019 CHECK_IN BEN ARTHUR BRSSN 0207/2024 13:16:51 00567-0016 CHECK_IN JOHN ALMAGAN BRSSN 0407/2024 13:16:11 00567-0016 CHECK_IN JOHN ALMAGAN BRSSN 0407/2024 13:16:11	Departure	08/07/2024	21:00 (LT)	Acrival	08/07/2024 23:00 (LT)	Aircraft	A31	0-300-J18Y188 (EP-IBK)					
Bag Tag Tracking Point LLD First Name Last Name ET number Scanned User Scanned User Scanned User 0056740019 CHECK_IN BEN ARTHUR BRSSN 0207/2024 13:15:51 0056740020 RAMP AKE/12345 BEN ARTHUR BRSSN 0207/2024 13:16:51 0056740026 CHECK_IN JOHN ALHASAN BRSSN 0207/2024 13:17:51 0056740026 CHECK_IN JOHN ALHASAN BRSSN 0407/2024 13:17:51													
0096740019 CHECK_IN BEN ARTHUR BRSSN 0207/2004 13:15:51 0096740020 RAMP AKE/12345 BEN ARTHUR BRSSN 0207/2004 13:16:51 0096740106 CHECK_IN JOHN ALMAGAN BRSSN 0407/2004 13:17:51 0096740106 CHECK_IN JOHN ALMAGAN BRSSN 0407/2004 13:17:51	Bag Tag	Tracking Point	uto	First Name	Last Name	ET number	Scanned User	Scanned Time (LT)					
0096740020 RAMP AKE/12345 BEN ARTHUR BRSSN 02/07/2024 13:16:51 0096740050 CHECK_IN JOHN ALMAGAN BRSSN 0407/2024 13:17:51 0096740050 CHECK_IN JOHN ALMAGAN BRSSN 0407/2024 13:17:51	0096740019	CHECK_IN		BEN	ARTHUR		BRSSN	02/07/2024 13:15:51					
0096740106 CHECK_IN JOHN ALWASAN BRSSN 04072024 13:17:51	0096740020	RAMP	AKE/12345	BEN	ARTHUR		BRSSN	02/07/2024 13:16:51					
AVERAGE DAME AVERAGE VIEW ALLERAN DEPEN AVERAGE AV	0096740106	CHECK_IN		JOHN	ALHASAN		BRSSN	04/07/2024 13:17:51					
040//2024 UDD PUWP ANE/20400 JUNN ALPIASAN BRSSN 040//2024 13:15:51	0096740105	RAMP	AKE/23456	JOHN	ALHASAN		BRSSN	04/07/2024 13:15:51					
								Page 1 of 1					
Page 1 of 1													

Both reports have the following options,

- HTML export format View output option
- PDF export format View, Download, Email output options
- CSV export format Download, Email output options

Required Privileges

Operation	Privilege Category	Privilege					
Mobile Application Related Privilege	s						
To access the mobile application	BRS	Scan bag tags using BRS.					
Airport Baggage Location Maintena	nce Related Privilege	S					
To search Airport baggage locations	MAINTENANCE	Search Airport Baggage Locations					
To view Airport baggage locations	MAINTENANCE	View Baggage Location Details of an Airport					
To add Airport baggage locations	MAINTENANCE	Add New Airport Baggage Location					
To delete all baggage locations for an airport	MAINTENANCE	Delete All Baggage Locations Of An Airport					
Pax Baggage Location Search Related Privileges							
To search pax baggage locations	MAINTENANCE	Search Pax Baggage Locations					
View Pax Baggage Location History via baggage tab (Check-in screen) Related Privileges							
To view the latest location or tracking history of the baggage via check-in screen for a specific passenger using baggage tab.	BRS	View baggage location history via check-in screen					
Generate Baggage Location related reports							
To generate baggage location related reports	REPORT	View baggage location history report					