

# PNL-ADL EXiStInG Behaviour

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## 1. Introduction

## 2. PNL/ADL Generation Flow

PNL generation flow is very straightforward as it is the initial message sent from the reservation system to a DCS. In AccelAero implementation process starts from

	Item Description	
Workflow	PNL-ADL Generation Request Workflow	
Call Stack	Class/Element	Package
C-1 C-2	SaveSendPNLADLAction	com.isa.thinair.xbe.core.web.action.pnladl
	SendPNLADLRequestHandler	com.isa.thinair.xbe.core.web.handler.pnladl

2.1. C-1 Common General Flow

2.2. C-2 Common General Flow

## 3. General PNL Generation Flow Description

	Item Description	
Workflow	PNL Generation Request Workflow	
Call Stack	Class/Element	Package
PNL_NEW-1	ReservationAuxilliaryServiceBean	com.isa.thinair.airreservation.core.remoting.ejb
PNL_NEW-2	PNLBL	com.isa.thinair.airreservation.core.bl.pnl

PNL_NEW-3		
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### 3.1. PNL\_NEW-1

3.1.1. ReservationAuxilliaryServiceBean will call sendPNLAuxiliary in PNLBL with following parameters

- Flight Number
  - Flight Number from front end - G9503
- Departure Station
  - Flight Departure Station
- Date Of Flight
  - Flight Date
- Sita Addresses
  - Addresses which sent from front end
- Sending Method
  - *PNLConstants.SendingMethod.MANUALLY*

### 3.2. PNL\_NEW-2

In side PNLBL sendPNLAuxiliary method there are various service calls are made to different layers.

Table 2

	Action	Description
A1	Extract Flight ID by providing Flight Number	auxilliaryDAO - getFlightIDForManualPNL With <ul style="list-style-type: none"> <li>• Flight Number</li> <li>• Departure Airport Code</li> <li>• Local Date Of Flight</li> </ul>
A2	<b>VALIDATION</b>	Check whether PNL Time exceeds flight closure time.
A3	Filter Sita Addresses	Filter the sent SITA addresses list.
A4	Extract carrier code by providing flight number	AppSysParamsUtil - extractCarrierCode With <ul style="list-style-type: none"> <li>• Flight number</li> </ul>
A5	<b>VALIDATION</b> Extract SITA Addresses by category <ul style="list-style-type: none"> <li>• MCONNECT</li> <li>• SITATEXT</li> </ul> <b>Filter with SITA addresses which are sent from front end.</b>	PnlAdiUtil - getSitaAddressMap With <ul style="list-style-type: none"> <li>• Departure Airport Code</li> <li>• Carrier Code</li> <li>• Sitas - ( <b>SITA addresses from front end</b> )</li> </ul>

A6	<b>VALIDATION +</b> <ul style="list-style-type: none"> <li>• Populate SITA addresses with FAILURE status</li> <li>• Sametime method validates for empty sita address and sita text addresses</li> </ul>	PnlAdiUtil - populateSitaAddresses With <ul style="list-style-type: none"> <li>• Sita addresses - MCONNECT</li> <li>• Sita Text Addresses - SITA</li> </ul>
A7	Call the DAO Layer and extract the <b>PNLADLDestinationDTO</b> list <ul style="list-style-type: none"> <li>• In this method there are few business logic implementations</li> </ul>	<i>auxilliaryDAO</i> - getPNL With <ul style="list-style-type: none"> <li>• Flight Id</li> <li>• Departure Airport Code</li> <li>• Carrier Code</li> </ul>
A8	Send PNL to DCS by accessing the web services exposed by the AccelAero DCS system. <ul style="list-style-type: none"> <li>• For this purpose PNLMetaDataDTO will be created</li> <li>• DCS_01 app parameter will be validated before attempting to send the PNL.</li> </ul>	
A9	Generate PNL message as per IATA standard	generatePNL - Collection<PNLADLDestinationDTO> - PNLMetaDataDTO - Dep Airport Code - Flight Id
A10	Send generated PNL message via email	PnlAdiUtil - sendMails With <ul style="list-style-type: none"> <li>• sitaAddress</li> <li>• generatedPnlfileNames</li> <li>• msgType</li> </ul>
A11	Send generated PNL message via SITA TEXT	PnlAdiUtil - sendPNLADLViaSitatex <ul style="list-style-type: none"> <li>• SITATEXT Address</li> <li>• Generated Pnl File Names</li> </ul>

		<ul style="list-style-type: none"> <li>• Message Type</li> <li>• Sita Status Map ( <b>Please refer to section A6</b> )</li> </ul>
A12	Update PNL Status for auditing purposes	updatePNLStatus <ul style="list-style-type: none"> <li>• Collection&lt;ReservationPaxDetailsDTO&gt; passengerList</li> <li>• HashMap&lt;String, String&gt; groupPaxMap</li> <li>• Set&lt;String&gt; pnlPnrs</li> </ul>
A13	Regenerate PNL file parts into one single file	PnlAdlUtil <ul style="list-style-type: none"> <li>- getGenerateFilesContent</li> </ul> With <ul style="list-style-type: none"> <li>• Generated Pnl File Names</li> </ul>
A14	<b>VALIDATION</b>  Validate for any errors in sita status map	PnlAdlUtil <ul style="list-style-type: none"> <li>- checkErrorsInSitaStatusMap</li> <li>• sitaStatusMap ( <b>Please refer to section A6</b> )</li> </ul>
A15	<b>LOGGIN</b>  Insert PNL history information	ReservationModuleUtils.getReservationAuxilliaryBD() <ul style="list-style-type: none"> <li>- insertToHistory</li> </ul>
A16	<b>ALERTING</b>  If there are errors in PNL generation or sending process alert to admin.	PnlAdlUtil <ul style="list-style-type: none"> <li>- notifyAdminForManualAction</li> </ul>

### 3.2.1. A7 - Call the DAO Layer and extract the ***PNLADLDestinationDTO*** list

Inputs for the above method call will be as follows.

Method Call	Inputs
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auxilliaryDAO - getPNL	<ul style="list-style-type: none"> <li>• Flight Id</li> <li>• Departure Airport Code</li> <li>• Carrier Code</li> </ul>
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Since this is a **Data Access Layer** method call , following tables will be incorporated in result gathering from Oracle database.

Table Name	Extracted Fields
T_RESERVATION	EXTERNAL_REC_LOCATOR
V_PNR_PAX_SEGMENTS	PNR_SEGMENT_ID BOOKING_CODE CABIN_CLASS_CODE LOGICAL_CABIN_CLASS_CODE BC_TYPE CS_FLIGHT_NUMBER CS_BOOKING_CLASS EST_TIME_DEPARTURE_LOCAL
V_PNR_SEGMENT	PNR_STATUS CS_FLIGHT_NUMBER CS_BOOKING_CLASS EST_TIME_DEPARTURE_LOCAL SEGMENT_SEQ
T_PNR_PASSENGER	FIRST_NAME LAST_NAME TITLE PNR PNR_PAX_ID PAX_TYPE_CODE DATE_OF_BIRTH NATIONALITY_CODE
T_PNR_PAX_ADDITIONAL_INFO	PASSPORT_NUMBER PASSPORT_EXPIRY PASSPORT_ISSUED_CNTRY PLACE_OF_BIRTH TRAVEL_DOC_TYPE VISA_DOC_NUMBER VISA_DOC_PLACE VISA_DOC_ISSUE VISA_APPLICABLE NATIONALID_NO

T_PAX_INFO_CONFIG	
T_PAX_E_TICKET	E_TICKET_NUMBER
T_PNR_PAX_FARE_SEG_E_TICKET	COUPON_NUMBER EXT_E_TICKET_NUMBER EXT_COUPON_NUMBER
T_FLIGHT	FLIGHT_TYPE
T_RES_PCD	NO (Credit Card Number)

Extracted data from above tables will be populated into **PNLADLDestinationSupportDTO** collection. This collection will be manipulated in various ways , with the use of APP PARAMETER RULES. Programmatically analyzed data objects will be re populated to a list of **PNLADLDestinationDTO** and returned as the end result of the calling **getPNL** method. Find the processing logic of **getPNL** method after extracting data from DB into **PNLADLDestinationSupportDTO** collection.

Action Item	Description
1.Extract passenger ID's	Populate Passenger Id's when iterating through the record set
2.Create DUMMY returned object.	IF passenger id's are null <b><u>DUMMY</u></b> <b><u>PNLADLDestinationDTO</u></b> will be added to the returned list of Objects.
3.Payment balance data gathering.	Passenger payment balance information will be extracted from <b><u>T PAX TRANSACTION</u></b> table by providing <b><u>PNR PAX ID</u></b> .
4.Filtering passengers eligible to reside in the PNL message.	<p>Passengers who does not have <b><u>CREDIT</u></b> value to are eligible to reside in the PNL.</p> <p><b>VALIDATING SOURCE</b> : Returned map from Action Item 3.</p> <p>If Credit Value for a specific passenger is <b>NULL</b> or <b>LESS THAN 0</b> ARE ELIGIBLE.</p>
5.Validating for Action Item 2.	Idea is to validate all the passengers are under CREDIT status TRUE.
6. Group passengers holds same <b>FARE CLASS</b> and FLIES to same <b>DESTINATION</b> .	Passengers are in the same fare class and Fly to same destination will be grouped into one single <b><u>PNLADLDestinationDTO</u></b> .

<p>APP PARAMETER RULE for fare class selection.</p> <table border="1"> <tr> <td><u>RBD ENABLED</u> (AIRLINE_115)</td> <td rowspan="2">FARE CODE IS PICKED FROM <b>CABIN CLASS CODE</b></td> </tr> <tr> <td><u>LOGICAL CABIN CLASS ENABLED</u> (AIRLINE_106)</td> </tr> <tr> <td><u>RBD DISABLED</u> (AIRLINE_115)</td> <td rowspan="2">FARE CODE IS PICKED FROM <b>BOOKING CLASS CODE</b></td> </tr> <tr> <td><u>LOGICAL CABIN CLASS DISABLED</u> (AIRLINE_106)</td> </tr> </table>	<u>RBD ENABLED</u> (AIRLINE_115)	FARE CODE IS PICKED FROM <b>CABIN CLASS CODE</b>	<u>LOGICAL CABIN CLASS ENABLED</u> (AIRLINE_106)	<u>RBD DISABLED</u> (AIRLINE_115)	FARE CODE IS PICKED FROM <b>BOOKING CLASS CODE</b>	<u>LOGICAL CABIN CLASS DISABLED</u> (AIRLINE_106)	<p>Fare code is picked from Cabin Class and the Booking Class based on the APP Parameter AIRLINE_115 and AIRLINE_106.</p>
<u>RBD ENABLED</u> (AIRLINE_115)	FARE CODE IS PICKED FROM <b>CABIN CLASS CODE</b>						
<u>LOGICAL CABIN CLASS ENABLED</u> (AIRLINE_106)							
<u>RBD DISABLED</u> (AIRLINE_115)	FARE CODE IS PICKED FROM <b>BOOKING CLASS CODE</b>						
<u>LOGICAL CABIN CLASS DISABLED</u> (AIRLINE_106)							
<p>7. Add Non booked fare class details</p>	<p>Idea is to display non booked fare class details in the PNL. Ex: <b>-SHJ00Q</b> -SHJ06R 6ADULT/MOHMR/...</p> <ul style="list-style-type: none"> <li>Get Non booked fare class details based on Flight ID.</li> <li><u>FlightInventoryDAOImpl</u> has the validation for the <b>Action Item 6</b>.</li> </ul> <p>Following tables are used in <u>FlightInventoryDAOImpl</u>.</p> <table border="1"> <tr> <td>Booking Class ENA</td><td>Cabin Class ENABL</td></tr> <tr> <td>t_fcc_alloc t_fcc_seg_alloc t_fcc_seg_bc_alloc t_booking_class</td><td>T_fcc_alloc t_fcc_seg_alloc t_fcc_seg_bc_alloc</td></tr> </table>	Booking Class ENA	Cabin Class ENABL	t_fcc_alloc t_fcc_seg_alloc t_fcc_seg_bc_alloc t_booking_class	T_fcc_alloc t_fcc_seg_alloc t_fcc_seg_bc_alloc		
Booking Class ENA	Cabin Class ENABL						
t_fcc_alloc t_fcc_seg_alloc t_fcc_seg_bc_alloc t_booking_class	T_fcc_alloc t_fcc_seg_alloc t_fcc_seg_bc_alloc						
<p>8. Inject SSR details</p>	<p>--</p>						

### 3.2.2. A9 - Generate PNL message as per IATA standard

**generatePNL** method is responsible for building the PNL message ssr contents.

**Table 1**



APP Parameter <b>Condition</b> <b>IF&lt;"Y"&gt;</b>	Action Item	Description				
AIRLINE_27 - SHOW SEAT MAP	1. Extract seat map details	<div>seatMapDAO<ul style="list-style-type: none"><li>- getReservationSeatsForPNL</li></ul>With<ul style="list-style-type: none"><li>• PNR pax Id's</li><li>• PNR seg Id's</li></ul></div> <div><div>Table Names associated with the method call</div><div>Sm_t_pnr_pax_seg_am_s eat Sm_t_flight_am_seat Sm_t_am_seat_charge Sm_t_aircraft_model_seat s T_pnr_passenger</div></div> <div>Method returns PNR Pax Id and the seat number.</div>				
AIRLINE_45 - SHOW MEAL	2. Extract meal details	<div>mealDAO<ul style="list-style-type: none"><li>- getReservationMealsForPNL</li></ul>With<ul style="list-style-type: none"><li>• PNR pax Id's</li><li>• PNR seg Id's</li></ul></div> <div><div>Table Names associated with the method call</div><div>ml_t_pnr_pax_seg_meal ml_t_flight_meal_charge ml_t_meal_charge ml_t_meal</div></div> <div>Method returns PNR Pax Id and the meal name.</div> <div>Following table displays how the Meal name built up in the data access layer.</div> <div><table><tr><th>Preparation Logic</th><th>Meal Name</th></tr><tr><td>IF Special Meal</td><td>Meal Name</td></tr></table></div>	Preparation Logic	Meal Name	IF Special Meal	Meal Name
Preparation Logic	Meal Name					
IF Special Meal	Meal Name					

		<table><tr><td>IF Special Meal &lt;Exist Only Meal IATA code&gt;</td><td>Meal IATA Code</td></tr><tr><td>IF NOT A Special Meal</td><td>Always uses the IATA meal code to construct meal name.</td></tr></table> <div>In all scenarios , if multiple meals selected from the pax meal count will be added just in front of the meal name. Ex:- Meal Count + Meal Name<ul style="list-style-type: none"><li>• 3SPML</li><li>• 2VGML ...</li></ul></div>	IF Special Meal <Exist Only Meal IATA code>	Meal IATA Code	IF NOT A Special Meal	Always uses the IATA meal code to construct meal name.
IF Special Meal <Exist Only Meal IATA code>	Meal IATA Code					
IF NOT A Special Meal	Always uses the IATA meal code to construct meal name.					
AIRLINE_82 - SHOW BAGGAGE	3.Extract Baggage Details	<div>baggageDAO<ul style="list-style-type: none"><li>- getBaggageSsrCodesToSendPNL</li></ul>With<ul style="list-style-type: none"><li>• Airport Code</li></ul></div> <div><div>Table Names Associated With The Method Call</div><div>T_ssr_info T_ssr_applicability_constraints T_ssr_applicable_airport T_ssr_sub_category</div></div> <div>Returns ssr code</div>				

		<div>baggageDAO</div> <div><div>- getBaggageSsrCodesToSendPNL</div></div> <div>With</div> <div><div><div>• PNR pax Id's</div><div>• PNR seg Id's</div><div>• SSR Codes &lt;FROM Previous Step&gt;</div></div></div> <div><div>Table Names associated with the method call</div><div>Bg_t_pnr_pax_seg_baggage</div><div>Bg_t_ond_baggage_charge</div><div>Bg_t_baggage</div></div> <div>Method returns PNR Pax Id and the meal name.</div> <div>Following table displays how the Meal name built up in the data access layer.</div> <div><table><tr><th>Preparation Logic</th><th>Baggage Name</th></tr><tr><td>IF SSR CODE IS XBAG</td><td>SSR CODE + “ BAGS ” + BAGGAGE WEIGHT</td></tr><tr><td>IF SSR CODE IS BAG</td><td>SSR CODE + BAGGAGE WEIGHT</td></tr></table></div> <div>PNR Pax ID and the baggage name will be returned.</div>	Preparation Logic	Baggage Name	IF SSR CODE IS XBAG	SSR CODE + “ BAGS ” + BAGGAGE WEIGHT	IF SSR CODE IS BAG	SSR CODE + BAGGAGE WEIGHT
Preparation Logic	Baggage Name							
IF SSR CODE IS XBAG	SSR CODE + “ BAGS ” + BAGGAGE WEIGHT							
IF SSR CODE IS BAG	SSR CODE + BAGGAGE WEIGHT							
	4. Get SSR Details							

Most of the PNL generation logic contains full of iterations. So describing the existing logic using PSEUDOCODE.

Condition : Description : Parameters	Condition
<b>CON 1</b> :LOOPING ELEMENTS : Collection<PNLADLDestinationDTO>	WHILE HAS ELEMENTS
Create PassengerCountRecordDTO With PNLADLDestinationDTO parameters	CREATE PassengerCountRecordDTO
Create Collection<String> fareclass map <i><b>Action Item 6</b> in previous table is repeated here.</i>	CREATE STRING LIST IF < <b>A6</b> > ADD FARE CLASS ...
Extract Passenger Information from PNLADLDestinationDTO	CREATE ArrayList<ReservationPaxDetailsDTO>  FETCH ReservationPaxDetailsDTO FROM PNLADLDestinationDTO  CREATE PNR wise ReservationPaxDetailsDTO map : <b>Element A</b>
Iterate <b>Element A</b> <b>CON 2</b> : LOOPING ELEMENTS : MAP<PNR,LIST<ReservationPaxDetailsDTO >>	WHILE HAS ELEMENTS
<b>CON 3</b> : LOOPING ELEMENTS : ReservationPaxDetailsDTO	WHILE ReservationPaxDetailsDTO LIST IS EMPTY SORT ReservationPaxDetailsDTO LIST BY FIRST NAME  CREATE PNLRecordDTO reference for single CON 3 Iteration <ul style="list-style-type: none"> <li>- At the end it will be populated to a ArrayList&lt;PNLRecordDTO&gt; : <b>Element C</b></li> <li>- Mentioned Element C will be added to a PassengerCountRecordDTO. Element D</li> <li>- Element D will be added to a list of : ArrayList&lt;PassengerCountRecordDT O&gt; Element E</li> <li>- Element E will be added to a</li> </ul>

	<p>ArrayList&lt;ArrayList&lt;PassengerCountRecordDTO&gt;&gt; Element F</p> <ul style="list-style-type: none"> <li>- Element F will be passed to PNLFormatter</li> </ul> <p>Pic similar last name passenger list. List&lt;NamedDTO&gt;. <b>Element B</b></p> <p><b>Idea of this iteration is to use passengers with the same last name.</b></p>
<b>CON 4 : LOOPING ELEMENTS : Element B</b>	<p>UNTIL END OF <b>Element B</b></p> <p>CHILD/PSPT/DOCS/DOCO/TKNE</p> <ul style="list-style-type: none"> <li>- Above elements are created using Element B contents</li> </ul>
REMARK ELEMENT : CHILD	ADD CHILD ELEMENT
<b>SUB CON 1 : LOOPING ELEMENT :</b> List<ReservationPaxDetailsDTO> - All the Passenger details dtos	<p>Some of the information are not in the <b>Element B</b> , so the ReservationPaxDetailsDTO's will be used to create Remarks elements.</p>
<b>VALIDATE pnrPaxId</b> with CON4 Element And <b>SUB CON1</b> Element	<p>Validate NamedDTO -&gt; pnrpaxid And the ReservationPaxDetailsDTO -&gt; pnrpaxid</p>
<b>SUB CON 2 : LOOPING ELEMENT:Collection&lt;PaxSSRDdetailDTO&gt;</b>	<p>SSR information are picked from ReservationPaxDetailsDTO from <b>SUB CON 1</b></p>
REMARK ELEMENT : PSPT (Passport)	ADD PSPT ELEMENT
REMARK ELEMENT : DOCS (Visa)	ADD DOCS ELEMENT
REMARK ELEMENT : DOCO (Destina , address information)	ADD DOCO ELEMENT
REMARK ELEMENT : TKNE / TKNA - (E ticket information)	ADD TKNE/TKNA ELEMENT
<b>END SUB CON 2</b>	

<b>END SUB CON 1</b>	
END OF <b>CON 4</b>	END FOR
ADD WAIT LIST PASSENGERS	ADD WAIT LIST PASSENGERS
ADD SEAT ELEMENT	Pic seat number from setmap store <b>(Action Item 1 in Table - 1)</b>
ADD MEAL ELEMENT	Pic meal elements from meal store <b>(Action Item 2 in Table - 1)</b> <ul style="list-style-type: none"> <li>• IF ALL THE PAX HAVE SAME MEAL DISPLAY MEAL REMARK WITHOUT NAME</li> <li>• IF NOT DISPLAY MEAL REMARK WITH PAX NAME</li> </ul>
ADD BAGGAGE ELEMENT	Pic baggage elements from baggage store <b>(Action Item 3 in Table - 1)</b> <ul style="list-style-type: none"> <li>• IF ALL THE PAX HAVE SAME BAGGAGE WEIGHT DISPLAY REMARK WITHOUT NAME</li> <li>• IF NOT DISPLAY BAGGAGE WEIGHT WITH PAX NAME</li> </ul>
ADD FQTV ELEMENT (Frequent traveller)	ADD FQTV ELEMENT
ADD CREDIT CARD DETAILS	ADD CREDIT CARD DETAILS
<b>CON 5</b>	Get All the passengers for the iteration through reservationDAO  Pic Infant passengers from the extracted adult passengers -> Iterate <b>CON 5</b>
ADD INFANT ELEMENT	ADD INFANT ELEMENT
ADD INFANT E-TICKET ELEMENT	ADD INFANT E-TICKET ELEMENT
ADD INFANT DOCO ELEMENT	ADD INFANT DOCO ELEMENT
<b>END CON 5</b>	
ADD INBOUND CONNECTION ELEMENT	ADD INBOUND CONNECTION ELEMENT
ADD ONWARD CONNECTION ELEMENT	ADD ONWARD CONNECTION ELEMENT

END OF <b>CON3</b>	END WHILE
END OF <b>CON2</b>	END WHILE
END OF <b>CON 1</b>	END WHILE
PREPARE ArrayList<ArrayList<PassengerCountRecord DTO>>  FOR  PNLFormatter	

### PNL Formatter

Action Item	Description
1.Velocity Template	Pass the content to velocity file and get the formatted pnl string
2.Adjust The Length	Iterate through the elements and check whether line length is greater than 64. If so format such lines with ./RN concatenation elements.
3.Create PNL File And Populate File Names To A List	Create PNL file with specified file names and add them to the filename list for future manipulations.

### 3.3. ADL Generation Process

#### 3.3.1. Following Table illustrates the ADL generation process

Table 3

Action Item	Description
A1. Some of the action items are very similar to A1 to A6 in Table 2 in PNL generation process.	
A2. This action item describes the data extraction logic in the DAO layer.  With the extracted data A list of PassengerInformation will be created.	reservationAuxiliaryDao - getADLPassengerDetails
A3. Extract deleted passenger information.	reservationAuxiliaryDao - getDeletedADLPassengerDetails

Since this is a **Data Access Layer** method call , following tables will be incorporated in result gathering from Oracle database. Action Item 2 (A2) in Table 3 is very much identical to Action Item 7 (A7) in Table 2.



## A2 Action Item Table Description

Table 4

Table Name	Extracted Fields
T_RESERVATION	EXTERNAL_REC_LOCATOR STATUS
V_PNR_PAX_SEGMENTS	PNR_SEGMENT_ID BOOKING_CODE CABIN_CLASS_CODE LOGICAL_CABIN_CLASS_CODE BC_TYPE PNL_STAT
V_PNR_SEGMENT	PNR_STATUS CS_FLIGHT_NUMBER CS_BOOKING_CLASS EST_TIME_DEPARTURE_LOCAL SEGMENT_SEQ SEGMENT_CODE
T_PNR_PASSENGER	FIRST_NAME LAST_NAME TITLE PNR PNR_PAX_ID PAX_TYPE_CODE DATE_OF_BIRTH NATIONALITY_CODE
T_PNR_PAX_ADDITIONAL_INFO	PASSPORT_NUMBER PASSPORT_EXPIRY PASSPORT_ISSUED_CNTRY PLACE_OF_BIRTH TRAVEL_DOC_TYPE VISA_DOC_NUMBER VISA_DOC_PLACE VISA_DOC_ISSUE VISA_APPLICABLE_COUNTRY NATIONALID_NO
T_PAX_INFO_CONFIG-	
T_PAX_E_TICKET-	E_TICKET_NUMBER
T_PNR_PAX_FARE_SEG_E_TICKET	COUPON_NUMBER EXT_E_TICKET_NUMBER

	EXT_COUPON_NUMBER
T_FLIGHT	FLIGHT_TYPE
T_PNL_PASSENGER	FIRST_NAME LAST_NAME TITLE PNR PNL_PAX_ID PNL_STAT

### A3 Action Item Table Description

Table Name	Extracted Fields
T_PNL_PASSENGER	PNR_PAX_ID PNR FIRST_NAME LAST_NAME TITLE PAX_TYPE_CODE PNL_STAT BC_TYPE BOOKING_CODE CABIN_CLASS_CODE LOGICAL_CABIN_CLASS_CODE
T_RESERVATION	EXTERNAL_REC_LOCATOR
T_PNR_SEGMENT	STATUS

Next step would be the generation of ADL elements. Following table will illustrate the element construction with respect to the relevant Data Transfer Objects.

Action Item	Description
<p>1. Meal / Baggage/Seat/SSR data extraction process is very much similar to PNL - (A7) - Table 1 illustration.</p> <p>Extracted information is stored in</p> <p>Map&lt;Integer, List&lt;AncillaryDTO&gt;&gt; passengerSeats</p>	<p>Please refer to PNL - (A7) - Table 1 illustration</p>

Map<Integer, List<AncillaryDTO>> passengerMeals  Map<Integer, AncillaryDTO> passengerBaggages  Map<Integer, List<AncillaryDTO>> passengerSsrs	
CON1:LOOING:List<PassengerInformation>	
Set<String> fareClasses	- ADD FARE CLASS From PassengerInformation
Set<String> destinations	- ADD DESTINATION From PassengerInformation
Set<Integer> uniquePnlPaxIds	- ADD pnlPaxIds *
Set Seat Information List<AncillaryDTO>	<ul style="list-style-type: none"> <li>- Extract Seat From passengerSeats Map</li> <li>- SET SEAT INFOR TO PassengerInformation</li> </ul>
Set Meal Information List<AncillaryDTO>	<ul style="list-style-type: none"> <li>- Extract meal information from passengerMeals Map</li> <li>- SET MEAL INFOR TO PassengerInformation</li> </ul>
Set Baggage Information AncillaryDTO	<ul style="list-style-type: none"> <li>- Extract Baggage information from passengerBaggages Map</li> <li>- SET BAGGAGE INFOR TO PassengerInformation</li> </ul>
Set SSR Information List<AncillaryDTO>	<ul style="list-style-type: none"> <li>- Extract SSR information from passengerSsrs Map</li> <li>- SET BAGGAGE INFOR TO PassengerInformation</li> </ul>
SET Infant Details	
SET Inbound Details List<AncillaryDTO>	
SET WaitList Pax Details List<AncillaryDTO>	

SET Onward Details List<AncillaryDTO>	
<p>Create Map - Destination and Fare Class wise KEY:DESTINATION- &gt;VALUE:(KEY:FARECLASS- &gt;VALUE:ADLPassengerData)</p> <p>ADLPassengerData Consist of</p> <ul style="list-style-type: none"> <li>• Delete ADLPassengerData</li> <li>• Added ADLPassengerData</li> <li>• Changed ADLPassengerData</li> </ul> <p>Map&lt;String, Map&lt;String, ADLPassengerData&gt;&gt; passengerADLElements</p>	
END CON1	

Following table will illustrate how the Map<String, Map<String, ADLPassengerData>> is been used to construct the ADL message.

Action Item	Description
Data Iteration	Iterate First Map KEY SET - > Destination Iterate Second Map KEY SET -> Fare Class
Create Destination Element	-CMB051Q
Create DEL/ADD/CHG elements	DEL ...  ADD ...  CHG ...
Sort/Group Passengers by last name : Element1	
Iterate Element 1: Pic passenger list for one single last name and process for passengers belongs to one	

single pnr Element 2:List<PassengerInformation> passengers	
<p>Calling generatePassengerElement method to generate passenger wise elements.</p> <p>2ADULT/AAAMR/AABMRS ...</p> <p>Iterate Element 2:</p> <p>Pic PassengerInformation and</p>	<p>Following activities are performed in the method</p> <ul style="list-style-type: none"> <li>• Each passenger and Remarks items are picked from PassengerInformation Object.</li> <li>• Create a message content for the elements with respective to the IATA format</li> <li>• Created Strings are added to a list.</li> <li>• Based on the insertion order to the String list , all the contents will be populated to a text file.</li> </ul>

3.3.2. ss  
3.4. Dgd

#### 4. General Rules Followed In PNL/ADL Generation Process

Rule	Description
<b>PNL: Headers</b>	Using “PNL” as main element after address information
<b>PNL:END ELEMENT</b>	Using END PNL or END PART X (X=1,2,3...)
<b>ADL: Headers</b>	Using “ADL” as main element after address information

<b>ADL:END ELEMENT</b>	Using END ADL or END PART X (X=1,2,3...)
<b>Common Rules For PNL/ADL</b>	
<b>Fare Class</b>	<ul style="list-style-type: none"> <li>• AIRLINE_115</li> <li>• AIRLINE_106</li> </ul> <p>Based on app parameters fare class is decided, fare class code is replaced by the booking class code or cabin class code based on the mentioned app parameters.</p>
<b>MESSAGE SINGLE LINE MAX LENGTH</b>	64 characters
<b>MESSAGE TOTAL LINE LENGTH</b>	64 lines
<b>MAXIMUM PASSENGER RECORDS PER PART`</b>	59 Pax
<b>GROUPING PASSENGERS</b>	If passenger name length is 55

5. Data Extraction And Constructed Message Element Comparison.  
Following table will illustrate a comparison of data fetched from database and how it been consumed in the final PNL/ADL message. Idea of this section is to identify the elements injected in the middle of the PNL/ADL generation process. This will help to minimise the confusions which may occur during the design phase.

#### Color Code Chart

	Elements fetched from <b>A7</b> Action Item
	Elements Not Handled By The System
	Elements Fetched From Different Database Calls Other Than <b>A7</b>
	Elements Added By The System. Not Used Any DataBase Calls.

#### PNL

Element Name	Data Base	PNL FIELD
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Flight Element		
Association Number Element		
Bonus Programs Element		
Seat Configuration Element		
Class Codes Element		
Space Available Element		
Transit Element		
Total By Destination Element		
Name Element	T_PNR_PASSENGER <ul style="list-style-type: none"> <li>FIRST_NAME</li> <li>LAST_NAME</li> <li>TITLE</li> </ul> Reference -- A7 In PNL	<ul style="list-style-type: none"> <li>FIRST NAME</li> <li>LAST NAME</li> <li>TITLE</li> </ul>
Party/Group Identification Element	Group Id is a System generated code.	Group Id is a System generated code.
Automated PNR Address Element	T_PNR_PASSENGER <ul style="list-style-type: none"> <li>PNR</li> </ul> Reference -- A7 In PNL	<ul style="list-style-type: none"> <li>PNR</li> </ul>
Inbound Connection Element	<p> <b> <a href="#"> Fetched From External Call  auxilliaryDAO.getInBoundConnectionList </a> </b> </p> <p> <b> <u>InboundConnectionDTO</u> </b> </p> <ul style="list-style-type: none"> <li>INBOUND DATE</li> <li>INBOUND DEPARTURE STATION</li> <li>FARE CLASS</li> <li>INBOUND FLIGHT NUMBER</li> </ul>	<ul style="list-style-type: none"> <li>FIIGHT NUMBER</li> <li>FARE CLASS</li> <li>LOCAL DATE</li> <li>BOARDING POINT</li> <li>ARRIVAL POINT(CONDITIONAL)</li> <li>ARRIVAL TIME(OPTIONAL)</li> <li>RESERVATION STATUS (OPTIO..)</li> </ul>

Onward Connection(s) Element	<b>Fetch From External Call auxilliaryDAO.getAllOutBoundSequences</b>  <u><b>OnWardConnectionDTO</b></u>	<ul style="list-style-type: none"> <li>• FLIGHT NUMBER</li> <li>• FARE CLASS</li> <li>• LOCAL DATE</li> <li>• BOARDING POINT (COND..)</li> <li>• ARRIVAL POINT</li> </ul>
Remarks Element		
Seat Information	<b>Fetch From External Call seatMapDAO.getReservationSeatsForPNL</b>  <ul style="list-style-type: none"> <li>• Seat Number</li> </ul>	<ul style="list-style-type: none"> <li>• SEAT NUMBER <ul style="list-style-type: none"> <li>○ RQST - Requested Seat</li> <li>○ EXST - Extra Seat</li> </ul> </li> </ul>
Baggage Information	<b>Fatched From External Call baggageDAO.getReservationBaggagesForPNL</b>  <ul style="list-style-type: none"> <li>• SSR TEXT FOR BAGGAGE</li> </ul> <p>NOTE : Refer A9 Table 1 For baggage text construction logic.</p>	<ul style="list-style-type: none"> <li>• BAGGAGE CODE</li> <li>• STATUS CODE - HK1</li> <li>• DESCRIPTION</li> </ul>
Meal Information	<b>Fatched From External Call mealDAO.getReservationMealsForPNLADL</b>	
SSR Information	<b>Fetched From External Call reservationSSRDao.getPassengerSSRDetails</b>	
Frequent Traveller Information	<b>Fetch From External Call ReservationSSRDAO.getPNRPaxSSRs</b>	<ul style="list-style-type: none"> <li>• FQTV <ul style="list-style-type: none"> <li>○ Airline Code</li> <li>○ FQTV Number</li> <li>○ Tier Level</li> </ul> </li> </ul>



	<ul style="list-style-type: none"> <li>FQTV Number</li> </ul>	
Passport Number Information	T_PNR_PAX_ADDITIONAL_INFO <ul style="list-style-type: none"> <li>PASSPORT_NUMBER</li> <li>PASSPORT_ISSUED_COUNTRY</li> </ul> Reference -- A7 In PNL	<ul style="list-style-type: none"> <li>PASSPORT NUMBER</li> <li>COUNTRY CODE</li> <li>DATE OF BIRTH</li> <li>NAME IN PP</li> <li>GENDER</li> <li>MULTIPASSENGER PP</li> </ul>
Passenger Provided Contact Information		
Infant Information	Fetch From External Call passengerDAO.getPassenger  Extract Infant Details <ul style="list-style-type: none"> <li>DATE OF BIRTH</li> <li>FULL NAME</li> </ul>	<ul style="list-style-type: none"> <li>DATE OF BIRTH</li> <li>FULL NAME</li> </ul>
Child Information	T_PNR_PASSENGER <ul style="list-style-type: none"> <li>DATE_OF_BIRTH</li> </ul> Reference -- A7 In PNL	<ul style="list-style-type: none"> <li>DATE OF BIRTH</li> </ul>
Ticket Number Information	T_PAX_E_TICKET <ul style="list-style-type: none"> <li>E_TICKET_NUMBER</li> </ul> T_PNR_PAX_FARE_SEG_ETICKET <ul style="list-style-type: none"> <li>COUPON_NUMBER</li> <li>EXT_E_TICKET_NUMBER</li> <li>EXT_COUPON_NUMBER</li> </ul> Reference -- A7 In PNL	<ul style="list-style-type: none"> <li>ETICKET</li> </ul>
Electronic Payment Authorization for travel	T_RES_PCD <ul style="list-style-type: none"> <li>NO - (Credit Card No)</li> </ul> Generated Status code - K KX Ex: KK2 2 = Number of Pax per surname  Reference -- A7 In PNL	<ul style="list-style-type: none"> <li>STATUS CODE</li> <li>PAYMENT TYPE</li> <li>PAYMENT REFERENCE</li> </ul>
PAXLST Information	Status code Travel Doc Type	<ul style="list-style-type: none"> <li>STATUS CODE</li> <li>TRAVEL DOC TYPE</li> </ul>

<p><b>DOCS</b></p>	<ul style="list-style-type: none"> <li>• //</li> <li>• /P/</li> </ul> <p>T_PNR_PASSENGER</p> <ul style="list-style-type: none"> <li>• NATIONALITY_CODE</li> <li>• DATE_OF_BIRTH</li> <li>• TITLE</li> <li>• FIRST_NAME</li> <li>• LAST_NAME</li> </ul> <p>T_PNR_PAX_ADDITIONAL_INFORMATION</p> <ul style="list-style-type: none"> <li>• PASSPORT_NUMBER</li> <li>• PASSPORT_EXPIRY</li> <li>• PASSPORT_ISSUED_COUNTRY</li> <li>• TRAVEL_DOC_TYPE</li> <li>• NATIONALID_NO</li> </ul> <p><a href="#">Reference -- A7 In PNL</a></p> <p>Nationality Code -&gt;</p>	<ul style="list-style-type: none"> <li>• TRAVEL DOC ISSUE COUNTRY</li> <li>• TRAVEL DOC NUMBER</li> <li>• PAX NATIONALITY</li> <li>• PAX DATE OF BIRTH</li> <li>• PAX GENDER CODE</li> <li>• TRAVEL DOC EXP DATE</li> <li>• TRAVEL DOC SURNAME</li> <li>• TRAVEL DOC FIRST GIV NAME</li> <li>• TRAVEL DOC SECOND GIV NAME</li> <li>• <b>MULTI PAX PP HOLDER INDICATOR</b></li> </ul>
<p>PAXLST Information</p> <p><b>DOCO</b></p>	<p>Status code</p> <p>T_PNR_PASSENGER</p> <ul style="list-style-type: none"> <li>• TITLE</li> <li>• FIRST_NAME</li> <li>• LAST_NAME</li> </ul> <p>T_PNR_PAX_ADDITIONAL_INFORMATION</p> <ul style="list-style-type: none"> <li>• PLACE_OF_BIRTH</li> <li>• TRAVEL_DOC_TYPE</li> <li>• VISA_DOC_NUMBER</li> <li>• VISA_DOC_PLACE</li> <li>• VISA_DOC_ISSUE</li> <li>• VISA_APPLICABLE</li> <li>• NATIONALID_NO</li> </ul> <p><a href="#">Reference -- A7 In PNL</a></p>	<ul style="list-style-type: none"> <li>• STATUS CODE</li> <li>• PLACE OF BIRTH</li> <li>• TRAVEL DOCUMENT TYPE</li> <li>• VISA DOC NUMBER</li> <li>• VISA DOC PLACE OF ISSUE</li> <li>• VISA DOC ISSUE DATE</li> <li>• VISA APPLIC COUNTRY</li> <li>• INFANT INDICATOR</li> </ul>
<p>PAXLST Information</p> <p><b>DOCA</b></p>		

END	OF	REMARKS
Corporate Or Group Name Element		
Revenue Passenger On Waitlist Element	<b>Fetches From External Call RESERVATION_DAO .getWaitListedReservationPriority</b> <ul style="list-style-type: none"> <li>Priority</li> </ul>	<ul style="list-style-type: none"> <li>Element Id</li> <li>Priority Code</li> </ul>
Space Available ID Passenger Element	<ul style="list-style-type: none"> <li>ELEMENT ID</li> <li>PRIORITY CODE</li> </ul>	<ul style="list-style-type: none"> <li>Element Id</li> <li>Priority Code</li> <li>Seniority Date</li> </ul>
Marketing Flight Information Element		
Firm DG1/ID1/RG1 Elements		
End Element	END PNL/ADL/PART X	END PNL/ADL/PART X

6. Sdfds

## ADL

Element Name	Data Base	PNL FIELD
Flight Element		
Association Number Element		
Bonus Programs Element		
Seat Configuration Element		
Class Codes		

Element		
Space Available Element		
Transit Element		
Total By Destination Element		
Name Element	<b><u>IF ADD</u></b> T_PNR_PASSENGER <ul style="list-style-type: none"> <li>FIRST_NAME</li> <li>LAST_NAME</li> <li>TITLE</li> </ul> <b><u>IF DEL</u></b> T_PNL_PASSENGER <ul style="list-style-type: none"> <li>FIRST_NAME</li> <li>LAST_NAME</li> <li>TITLE</li> </ul> <b>Reference -- A2 In ADL</b>	<ul style="list-style-type: none"> <li>FIRST NAME</li> <li>LAST NAME</li> <li>TITLE</li> </ul>
Party/Group Identification Element	Group Id is a System generated code.	Group Id is a System generated code.
Automated PNR Address Element	T_PNL_PASSENGER <ul style="list-style-type: none"> <li>PNR</li> </ul> <b>Reference -- A2 In ADL</b>	<ul style="list-style-type: none"> <li>PNR</li> </ul>
Inbound Connection Element	<b>Fetches From External Call auxiliaryDAO.getInBoundConnectionList</b>  <b><u>InboundConnectionDTO</u></b> <ul style="list-style-type: none"> <li>INBOUND DATE</li> <li>INBOUND DEPARTURE STATION</li> <li>FARE CLASS</li> <li>INBOUND FLIGHT NUMBER</li> </ul>	<ul style="list-style-type: none"> <li>FLIGHT NUMBER</li> <li>FARE CLASS</li> <li>LOCAL DATE</li> <li>BOARDING POINT</li> <li>ARRIVAL POINT(CONDITIONAL)</li> <li>ARRIVAL TIME(OPTIONAL)</li> <li>RESERVATION STATUS (OPTIO..)</li> </ul>

Onward Connection(s) Element	<b>Fetch From External Call</b> <b>auxilliaryDAO</b> <b>.getAllOutBoundSequences</b> <b><u>OnWardConnectionDTO</u></b>	<ul style="list-style-type: none"> <li>• FLIGHT NUMBER</li> <li>• FARE CLASS</li> <li>• LOCAL DATE</li> <li>• BOARDING POINT (COND..)</li> <li>• ARRIVAL POINT</li> </ul>
Remarks Element		
Seat Information	<b>Fetch From External Call</b> <b>seatMapDAO.getReservationS</b> <b>eatsForPNLADL</b> <ul style="list-style-type: none"> <li>• Seat Number</li> </ul>	<ul style="list-style-type: none"> <li>• SEAT NUMBER <ul style="list-style-type: none"> <li>○ RQST - Requested Seat</li> <li>○ EXST - Extra Seat</li> </ul> </li> </ul>
Baggage Information	<b>Fatched From External Call</b> <b>baggageDAO.getReservationB</b> <b>aggagesForPNL</b> <ul style="list-style-type: none"> <li>• SSR TEXT FOR BAGGAGE</li> </ul>	<ul style="list-style-type: none"> <li>• BAGGAGE CODE</li> <li>• STATUS CODE - HK1</li> <li>• DESCRIPTION</li> </ul>
Meal Information	<b>Fatched From External Call</b> <b>mealDAO.getReservationMeal</b> <b>sForPNLADL</b>	
SSR Information	<b>Fetched From External Call</b> <b>reservationSSRDao.getPasse</b> <b>ngerSSRDetails</b>	
Frequent Traveller Information	<b>Fetch From External Call</b> <b>ReservationSSRDAO.getPNRP</b> <b>axSSRs</b> <ul style="list-style-type: none"> <li>• FQTV Number</li> </ul>	<ul style="list-style-type: none"> <li>• FQTV <ul style="list-style-type: none"> <li>○ Airline Code</li> <li>○ FQTV Number</li> <li>○ Tier Level</li> </ul> </li> </ul>
Passport Number Information	T_PNR_PAX_ADDITIONAL_INF O <ul style="list-style-type: none"> <li>• PASSPORT_NUMBER</li> <li>• PASSPORT_ISSUED_C NTRY</li> </ul> <b>Reference -- A2 In ADL</b> <b>**ADDED AS SSR RECORD**</b>	<ul style="list-style-type: none"> <li>• PASSPORT NUMBER</li> <li>• COUNTRY CODE</li> <li>• DATE OF BIRTH</li> <li>• NAME IN PP</li> <li>• GENDER</li> <li>• MULTIPASSENGER PP</li> </ul>
Passenger Provided Contact Information		
Infant Information	<b>Fetch From External Call</b> <b>passengerDAO.getPassenger</b>	<ul style="list-style-type: none"> <li>• DATE OF BIRTH</li> <li>• FULL NAME</li> </ul>

	Extract Infant Details <ul style="list-style-type: none"> <li>• DATE OF BIRTH</li> <li>• FULL NAME</li> </ul>	
Child Information	T_PNR_PASSENGER <ul style="list-style-type: none"> <li>• DATE_OF_BIRTH</li> </ul> Reference -- A2 In ADL	<ul style="list-style-type: none"> <li>• DATE OF BIRTH</li> </ul>
Ticket Number Information	T_PAX_E_TICKET <ul style="list-style-type: none"> <li>• E_TICKET_NUMBER</li> </ul> T_PNR_PAX_FARE_SEG_E_TICKET <ul style="list-style-type: none"> <li>• COUPON_NUMBER</li> <li>• EXT_E_TICKET_NUMBER</li> <li>• EXT_COUPON_NUMBER</li> </ul> Reference -- A2 In ADL	<ul style="list-style-type: none"> <li>• ETICKET</li> </ul>
Electronic Payment Authorization for travel	T_RES_PCD <ul style="list-style-type: none"> <li>• NO - (Credit Card No)</li> </ul> Generated Status code - KKX Ex: KK2 2 = Number of Pax per surname Reference -- A2 In ADL	<ul style="list-style-type: none"> <li>• STATUS CODE</li> <li>• PAYMENT TYPE</li> <li>• PAYMENT REFERENCE</li> </ul>
PAXLST Information  <b>DOCS</b>	Status code Travel Doc Type <ul style="list-style-type: none"> <li>• /I/</li> <li>• /P/</li> </ul> T_PNR_PASSENGER <ul style="list-style-type: none"> <li>• NATIONALITY_CODE</li> <li>• DATE_OF_BIRTH</li> <li>• TITLE</li> <li>• FIRST_NAME</li> <li>• LAST_NAME</li> </ul> T_PNR_PAX_ADDITIONAL_INFORMATION <ul style="list-style-type: none"> <li>• PASSPORT_NUMBER</li> <li>• PASSPORT_EXPIRY</li> <li>• PASSPORT_ISSUED_COUNTRY</li> <li>• TRAVEL_DOC_TYPE</li> <li>• NATIONALID_NO</li> </ul> Reference -- A2 In ADL	<ul style="list-style-type: none"> <li>• STATUS CODE</li> <li>• TRAVEL DOC TYPE</li> <li>• TRAVEL DOC ISSUE COUNTRY</li> <li>• TRAVEL DOC NUMBER</li> <li>• PAX NATIONALITY</li> <li>• PAX DATE OF BIRTH</li> <li>• PAX GENDER CODE</li> <li>• TRAVEL DOC EXP DATE</li> <li>• TRAVEL DOC SURNAME</li> <li>• TRAVEL DOC FIRST GIV NAME</li> <li>• TRAVEL DOC SECOND GIV NAME</li> <li>• MULTI PAX PP HOLDER IND</li> </ul>

	Nationality Code ->	
PAXLST Information  <b>DOCO</b>	Status code  T_PNR_PASSENGER <ul style="list-style-type: none"> <li>• TITLE</li> <li>• FIRST_NAME</li> <li>• LAST_NAME</li> </ul> T_PNR_PAX_ADDITIONAL_INF O <ul style="list-style-type: none"> <li>• PLACE_OF_BIRTH</li> <li>• TRAVEL_DOC_TYPE</li> <li>• VISA_DOC_NUMBER</li> <li>• VISA_DOC_PLACE</li> <li>• VISA_DOC_ISSUE</li> <li>• VISA_APPLICABLE</li> <li>• NATIONALID_NO</li> </ul> <b>Reference -- A2 In ADL</b>	<ul style="list-style-type: none"> <li>• STATUS CODE</li> <li>• PLACE OF BIRTH</li> <li>• TRAVEL DOCUMENT TYPE</li> <li>• VISA DOC NUMBER</li> <li>• VISA DOC PLACE OF ISSUE</li> <li>• VISA DOC ISSUE DATE</li> <li>• VISA APPLIC COUNTRY</li> <li>• INFANT INDICATOR</li> </ul>
PAXLST Information  <b>DOCA</b>		
<b>END</b>	<b>OF</b>	<b>REMARKS</b>
Corporate Or Group Name Element		
Revenue Passenger On Waitlist Element	<b>Fetches From External Call RESERVATION_DAO .getWaitListedReservationPriority</b> <ul style="list-style-type: none"> <li>• Priority</li> </ul>	<ul style="list-style-type: none"> <li>• Element Id</li> <li>• Priority Code</li> </ul>
Space Available ID Passenger Element	<ul style="list-style-type: none"> <li>• ELEMENT ID</li> <li>• PRIORITY CODE</li> </ul>	<ul style="list-style-type: none"> <li>• Element Id</li> <li>• Priority Code</li> <li>• Seniority Date</li> </ul>
Marketing Flight Information Element		
Firm DG1/ID1/RG1 Elements		
End Element	END PNL/ADL/PART X	END PNL/ADL/PART X

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7. Identifying **ADL** Recording Occurrence

ADL Recording Scenario	DEL	ADD	CHG
1.ADD NEW RESERVATION - PASSENGER WISE		Y	
2.CHANGE RESERVATION - CHANGE NAME	Y	Y	
3.CHANGE RESERVATION - SPLIT PASSENGERS	Y	Y	
3.ADD OR REMOVE SSR			Y
4.PASSENGER REQUOTE	Y	Y	
5.			

8. as