

Product specification template structure

ⓘ > Goal of the page

①	<p>What ?</p> <p> Recommendations for writing a back-end specification for a product</p> <p>Sub-topic of Amadeus specifications guidelines</p>
Why ?	
Who ?	<ul style="list-style-type: none"> By who ? Amadeus product definition analyst community For who ? Anybody writing back-end specifications in Amadeus
How ?	<ul style="list-style-type: none"> This template needs to be added in your own specification space, for anybody writing specifications in it You can suggest changes and enhancements to the template:<ul style="list-style-type: none"> By adding comments By contacting 1A PDA Community core team members
When ?	 Check it any time you write a new back-end specification or review an existing back-end specification.

Global structure

- [Product title](#)
- [Table of content](#)
- [Preface](#)
- [Summary](#)
- [Context](#)
- [Actors](#)
- [Prerequisites](#)
- [Diagram](#)
- [Description](#)
- [Limitations](#)
- [Interface\(s\)](#)
- [Detailed processes](#)
- [Scenario\(s\)](#)
- [Index](#)
 - [Warnings/Errors](#)
 - [Exceptions](#)
 - [Associated configurations](#)
 - [Security settings](#)
 - [Data description](#)
 - [Other indexes](#)
- [Additional information & references](#)
 - [Standards](#)
 - [Non-Functional Requirements](#)
 - [Technical documentation](#)
 - [Monitoring](#)
 - [Possible evolutions](#)
 - [Functional validation](#)
 - [Other related documentations](#)
 - [Revision table](#)

This template is a proposal of specification structure

- What is important is to make sure **mandatory titles** appear in the document.
- The optional section must be added when relevant, but may not always be applicable.
- Sections can be moved around/merged/adapted to answer specific needs. Below you can find a structure proposition:
 - [Product title](#)
 - [Table of content](#)
 - [Preface](#)
 - Overview
 - [Summary](#)
 - [Context](#)
 - [Actors](#)
 - [Prerequisites](#)
 - [Diagram](#)
 - [Description](#)
 - [Limitations](#)
 - [Interface\(s\)](#)
 - [Detailed processes](#)
 - [Scenario\(s\)](#)
 - [Index](#)
 - [Warnings/Errors](#)
 - [Exceptions](#)
 - [Associated configurations](#)
 - [Security settings](#)
 - [Data description](#)
 - [Other indexes](#)
 - [Additional information & references](#)
 - [Standards](#)
 - [Non-Functional Requirements](#)
 - [Technical documentation](#)
 - [Monitoring](#)
 - [Possible evolutions](#)
 - [Functional validation](#)
 - [Other related documentations](#)
 - [Revision table](#)

Content

Section	Status	Objective	Content / in practice / IEEE description	Audience	More information (How to, examples, useful
---------	--------	-----------	--	----------	--

Product title	Mandatory			Any	<p><u>Wording:</u> <i>product_name</i> or if necessary: <i>product_name s</i></p> <p><u>Example:</u> (⚠ title only - content ↴)</p> <ul style="list-style-type: none"> ▪ Flight/Date Recalculate - Product Specific ▪ Booking Flow Monitoring (BFM) ▪ Standard Availability ▪ Low Fare Search availability ▪ Flight selection (SFxxGQ)
Table of content	Mandatory			Any	
Preface	Mandatory	Explain the audience and how to use/read the document.	<p>Intended audience?</p> <ul style="list-style-type: none"> • is this documentation for customer only, R&D teams, supporting teams, all? • Based on the intended audience: <ul style="list-style-type: none"> • Explain if the document is internal and must not be published/shared externally. • It can include a sub-section detailing the writing/reading conventions for internal use (included or as link). • It must include a "Customer oriented section" (see Example). <p>Any specific instruction?</p> <ul style="list-style-type: none"> • For specifications on Confluence using Variant, describe the existing variants and their purposes (targeted customers, specific audience profile: PDA/DEV/PM, internal/public content, ...) 	Internal and/or for export to customer	<p><u>Examples on intended audience:</u></p> <p>› Click here to expand...</p> <h3>1.2. Intended Audience</h3> <p>The intended audience is Development/T</p> <p>The part of this specification related to T</p> <h3>1.2. Intended Audience</h3> <p>The intended audience for this document i</p> <h2>Intended Audience</h2> <p>Créée par Hakim Bin Luqman le avr. 08, 2019</p> <p>The Functional Design Document is delivered to the main contributors and document review migration and development teams. It is expected that IHG® validate all FDD doc</p> <h2>Intended Audience</h2> <p>Created by Unknown User (afeliorubio), last mod</p> <p>The Functional Design Document is delivered to the main contributors and document review migration and development teams.</p> <p>Intended audience</p> <p>This document has been crea</p> <p><u>Example of a "Customer oriented section"</u></p> <p>› Click here to expand...</p> <h3>Purpose of this document</h3> <p>The purpose of this document is to provide information on how the system</p> <h3>Intended Audience</h3> <p>This document is aimed at the Developers.</p> <h3>Document Conventions</h3> <p>In order to model an abstract</p> <h3>Structure of this document</h3> <p>This document is composed of:</p> <ul style="list-style-type: none"> • Preface states the purpose of this document • <p><i>From Low Fare Search availability</i></p> <p><u>Example of writing/reading conventions</u></p> <h3>How to read specification</h3>
Summary	Mandatory	Explain the WHAT?	Couple of sentences providing a high level description of the product to allow the reader to	Any	<p><u>Example:</u></p> <p>› Click here to expand...</p> <p>This document describes how to use the Real-Time Dynamic Pricing feature.</p>

			<p>understand what the product is meant for and the main steps it involves for its processing.</p>		<p>The RTDP solution software is</p> <p>From Availability Polling for RTDP</p> <p>> Merge Box product summary</p> <p>This document will describe w</p> <p>In the travel reservation world transact. The PNR can be upd user updates from processes In these cases, end users get them to ignore their previous c side.</p> <p>Merge Box is the component o There are currently three Merge updating the PNR context.</p>
Context	Mandatory*	Explain the WHY?	<ul style="list-style-type: none"> Explanation why this product was developed: problem statement Corresponds to initial requirement and evolutions Can highlight the corporate goals, business strategies, vision. Project(s)** reference(s) with links to: <ul style="list-style-type: none"> project documentation (including HLDs, HLSs, studies) Sizing Task JIRA ticket Win@proach CR / PTR etc. <p>* i This section can be empty when the product is old and the original project/context/requirement is unknown</p> <p>** Here the projects listed are the high level projects that impacted the whole product. It should not contain projects that impacts only a process.</p>	Always INTERNAL!	<p><u>Example:</u></p> <p>> Click here to expand...</p> <p>When an O&D is sold, booking context, such confirmations confirming functionality has been created</p> <p>From Married Segment Control</p> <p>> Click here to expand...</p> <p>The lack of tools related to An crisis arise (cf Indian OLTA and technical monitoring of b</p> <p>The goal of BFM project is to i</p> <p>It is composed of three main :</p> <ul style="list-style-type: none"> Key Performance Indicators, allowing Easy Configuration access, allowing t On-Demand Trace Tool, allowing to u <p>From Booking Flow Monitoring</p> <p>> Click here to expand...</p> <p>The airline distribution dramat exponential development of tr</p> <p>These market segments are a choice to their customer and f number of flights for each tra</p> <p>The current polling to airline's</p> <ul style="list-style-type: none"> External airline inventories cannot han The transaction bears great availabil The performance of the fare transact The solution is not scalable. As new p <p><u>Optimized Polling flow (OPO)</u></p> <p>To find the cheapest travel sol shopping request, usually a M get the cheapest recommendation interlining feature...). Each req</p> <p>Each primitive is received sep (LFS) flow. However, as the pr availability of a travel solution received before the polling req</p> <p>The flow implemented to optim (OPO)" in the following docum</p> <p>From Low Fare Search availat</p>
Actors	Optional	Explain the WHERE/WHO? Place the product in its ecosystem.	List of actors that interact (calling or being called) with the product. It can be: <ul style="list-style-type: none"> users (e.g.: agents, passengers, rms analysts, ...) systems <ul style="list-style-type: none"> Applications UI 	Always INTERNAL!	<p><u>Example:</u></p> <p>> Click here to expand...</p> <p><u>Calling actors :</u></p> <p><u>IA Altéa Inventory User (user)</u></p> <p>This human actor represents a</p> <ul style="list-style-type: none"> Airline Schedule Distribution Agent: m numerous schedule changes. It also l handled by the Airline Revenue Mana Airline Revenue Management Agent: i scheduled flights for a number of asp

			<p>If needed, characteristics of each type of actor can be defined here.</p> <p>⚠️ Not a list of customer buying the product</p>		<ul style="list-style-type: none"> Airline Operation Agent: member of the Altéa network Airline Seating Agent: member of the Altéa network <p><u>1A Altéa Inventory - Sell (system)</u></p> <ul style="list-style-type: none"> It is Amadeus Altéa Inventory <p><u>1A Altéa Reservation (system)</u></p> <ul style="list-style-type: none"> It is Amadeus Central Reservation System 																																																																																																																
					<p>Called actors:</p> <p><u>1A Altéa Inventory - Inventory</u> It is Amadeus Altéa Inventory <u>Operating Inventory - 1 (system)</u> Could be either Amadeus Altéa Inventory or Amadeus RMS</p> <p><u>1A Altéa Reservation - System</u> Could be either Amadeus Altéa Reservation or Amadeus RMS (system)</p> <p>The Revenue Management system</p> <p>From Bulk Availability Feed - Functionalities</p>																																																																																																																
Prerequisites	Mandatory	Explain the WHEN?	<p>Conditions needed for all the processes described in this Product Specification document. It could be system prerequisites such as:</p> <ul style="list-style-type: none"> Availability of external systems on which our system depends Database and/or disk storage minimum requirements Operating system version minimum requirements Contract requirements if any Should highlight if the product is customer specific/chargeable <p>Conditions that are required for individual processes are included as pre-conditions at the process level.</p>	Any	<p>Example:</p> <p>› Click here to expand... Airline must be Altéa Inventor Marriage Profile must be set to married From Married Segment Control</p> <p>› Click here to expand... The airline must be hosted in a specific airline system From Availability Polling for Revenue Management</p>																																																																																																																
Diagram	Mandatory	Explain the HOW?	Diagram showing how the various processes are articulated	Depends on the level of details	<p>Could be defined in a:</p> <ul style="list-style-type: none"> table <p>› Example of table</p> <table border="1"> <tr> <td>[Transaction Level]</td> <td>R</td> <td>P</td> <td>C</td> <td>C</td> <td>C</td> <td>Ir</td> <td>C</td> <td>V</td> <td>E</td> <td>S</td> <td>El</td> <td>O</td> <td>It</td> <td>Ir</td> <td>IF</td> </tr> <tr> <td>LSS Security Checks</td> <td>R</td> <td>P</td> <td>C</td> <td>C</td> <td>C</td> <td>Ir</td> <td>C</td> <td>V</td> <td>E</td> <td>S</td> <td>El</td> <td>O</td> <td>It</td> <td>Ir</td> <td>IF</td> </tr> <tr> <td>Entry Management</td> <td>R</td> <td>P</td> <td>C</td> <td>C</td> <td>C</td> <td>Ir</td> <td>C</td> <td>V</td> <td>E</td> <td>S</td> <td>El</td> <td>O</td> <td>It</td> <td>Ir</td> <td>IF</td> </tr> <tr> <td>ASSM Orchestration</td> <td>R</td> <td>P</td> <td>C</td> <td>C</td> <td>C</td> <td>Ir</td> <td>C</td> <td>V</td> <td>E</td> <td>S</td> <td>El</td> <td>O</td> <td>It</td> <td>Ir</td> <td>IF</td> </tr> <tr> <td>Transaction Validation</td> <td>R</td> <td>P</td> <td>C</td> <td>C</td> <td>C</td> <td>Ir</td> <td>C</td> <td>V</td> <td>E</td> <td>S</td> <td>El</td> <td>O</td> <td>It</td> <td>Ir</td> <td>IF</td> </tr> <tr> <td>Pricing record selection</td> <td>R</td> <td>P</td> <td>C</td> <td>C</td> <td>C</td> <td>Ir</td> <td>C</td> <td>V</td> <td>E</td> <td>S</td> <td>El</td> <td>O</td> <td>It</td> <td>Ir</td> <td>IF</td> </tr> <tr> <td>FP override option</td> <td>R</td> <td>P</td> <td>C</td> <td>C</td> <td>C</td> <td>Ir</td> <td>C</td> <td>V</td> <td>E</td> <td>S</td> <td>El</td> <td>O</td> <td>It</td> <td>Ir</td> <td>IF</td> </tr> </table> <p>• sequence diagram</p>	[Transaction Level]	R	P	C	C	C	Ir	C	V	E	S	El	O	It	Ir	IF	LSS Security Checks	R	P	C	C	C	Ir	C	V	E	S	El	O	It	Ir	IF	Entry Management	R	P	C	C	C	Ir	C	V	E	S	El	O	It	Ir	IF	ASSM Orchestration	R	P	C	C	C	Ir	C	V	E	S	El	O	It	Ir	IF	Transaction Validation	R	P	C	C	C	Ir	C	V	E	S	El	O	It	Ir	IF	Pricing record selection	R	P	C	C	C	Ir	C	V	E	S	El	O	It	Ir	IF	FP override option	R	P	C	C	C	Ir	C	V	E	S	El	O	It	Ir	IF
[Transaction Level]	R	P	C	C	C	Ir	C	V	E	S	El	O	It	Ir	IF																																																																																																						
LSS Security Checks	R	P	C	C	C	Ir	C	V	E	S	El	O	It	Ir	IF																																																																																																						
Entry Management	R	P	C	C	C	Ir	C	V	E	S	El	O	It	Ir	IF																																																																																																						
ASSM Orchestration	R	P	C	C	C	Ir	C	V	E	S	El	O	It	Ir	IF																																																																																																						
Transaction Validation	R	P	C	C	C	Ir	C	V	E	S	El	O	It	Ir	IF																																																																																																						
Pricing record selection	R	P	C	C	C	Ir	C	V	E	S	El	O	It	Ir	IF																																																																																																						
FP override option	R	P	C	C	C	Ir	C	V	E	S	El	O	It	Ir	IF																																																																																																						

				<p>› Example sequence diagram Void - Flow overview</p> <p>• uml diagram</p> <p>› Example of ULM diagram</p> <p>• List: Flight/Date Recalculate – Product Sp</p> <p>• Diagram interactive: Flight/Date Recalcul.</p>
Description	Mandatory	<p>Explain the HOW? in details</p> <p>Provides details on the orchestration with the list of links to the entry process.</p> <ul style="list-style-type: none"> The processes can be grouped by functional/logical steps (called functional packages) If needed, a brief sentence introducing the objective of the process can be added Transitions between processes are described. In particular, what is happening if one of the process is returning an error. 	Any	<p>Example:</p> <ol style="list-style-type: none"> UC1 - Flight selection <ul style="list-style-type: none"> a. UC2 b. UC3 UC4 - Flight validation <ul style="list-style-type: none"> • UC5 <p>or</p> <ul style="list-style-type: none"> UC1 - ABR Rule <ul style="list-style-type: none"> 1. UC2 2. UC3 UC4 - ABR SEC <ul style="list-style-type: none"> • UC5 <p>› Multi-functionality product</p> <p>Married Segment Control Prc defined by the reference airlin</p> <p>When married, segments car requested by the airline and s</p> <p>This product has different fur The full description of those fi</p> <ul style="list-style-type: none"> • Marriage Decision - Package : includ • Manual Marriage Modification - Pack <p>› Mono-functionality product</p> <p>In the scope PNR waitlist con</p> <p>1 - Pseudo-Cancel If the triggered segment is pa segments of this marriage, C</p> <p>Then the 'Polling' indicator is s</p> <p>2 - O&D Determination First, the system determines t for which the Reference Airlin with 'Polling' indicator as set p</p> <p>inclusion flag and controlled</p> <p>Then, the use case <>Determin</p> <ul style="list-style-type: none"> The 'Calling Profile' set to 'Revenue'

				<ul style="list-style-type: none"> The Request Originator Information All the segments with optionally the '. <p>This use case provides a list c</p> <ul style="list-style-type: none"> Journey O&D with its associated Base associated to a list of Additional O&D: Geographical O&D(s): in addition, for regardless if they are revenue control
				<p>3 - Availability Calculation bas</p> <p>The use case Provide Availab</p> <ul style="list-style-type: none"> The O&D(s) previously determined, The 'Polling' indicator previously dete The 'Interactive' flag The 'Bypass Class Suppression' flag The Frequent Traveler Information if A Frequent Flyer card selection indica <ul style="list-style-type: none"> If the Reference airline has chose the 'Max' value. In other cases, i.e. if the Reference 'Frequent Flyer Card Selection' In <p>As a result:</p> <ul style="list-style-type: none"> If the base O&D is a single segment, If the base O&D is a connection of se between the O&D availability and the In any case, if a Frequent Flyer availa <p>So finally, this product return:</p> <p>From <i>Availability Services for .</i></p>
Limitations	Mandatory*	<p>Explain the constraints and what the product does not do.</p> <p>List what the product does not do and the reasons why:</p> <ul style="list-style-type: none"> design constraints implementation constraints technical/functional/regulation limitations or behavior not (yet) developed <p>Remind that there can be limitations at Process level</p> <p>* ⓘ This section</p> <ul style="list-style-type: none"> is empty when the product is old and limitations are unknown contains "None" when the product has no limitation 	Any	<p>Example:</p> <p>› Click here to expand...</p> <p>The following functionalities a</p> <ul style="list-style-type: none"> Negotiated Space availability Prohibited Countries Codeshare re-routing Travel Choice <p>The following options are NO</p> <ul style="list-style-type: none"> All the Flight Selection options (airline Flight Validation Option: <ul style="list-style-type: none"> Cabin Option Number of Seat Option <p>See also limitations at process</p> <p>From <i>Reverse Seamless Availa</i></p> <p>Misc examples:</p> <ul style="list-style-type: none"> This product is only accessible via TTY n The XXX product only support up to xx S
Interface(s)	Mandatory	<p>Reference the interfaces related to the product.</p> <p>Reference the interface documentation(s) and procedure(s) associated to this product.</p> <p>That document should be stored outside the product specification.</p>	Any	<p>Example to be provided</p> <ul style="list-style-type: none"> One each (as much as possible): cryptic, Can also be a interface with the user (UI)
Detailed processes	Optional	<p>Host all processes.</p> <p>For each process provide a title and the process specification content.</p> <p>This section is useful to have all specifications gathered in one single page and for exports and display.</p>	Any	<p>Example 1: Working with confluence</p> <ul style="list-style-type: none"> All processes are included via the includ The included pages can be stored as sub To export the specification, only this pag + It allows to view all the specification c

			<p> Info</p> <p>2 - F</p>
			<p>Decode Low Fare Availability</p> <p> Include Page Decode Low Fare Availability...</p>
			<p>Determine Low Fare eligibility and pro...</p> <p> Include Page Determine Low Fare eligibil...</p>
			<p>Determine Light Ticketing Passenger F...</p> <p> Include Page Determine Light Ticketing P...</p>
			<p>Determine the list of classes for stored...</p> <p> Include Page Determine the list of class...</p>
			<p>Retrieve AVS and Nego</p> <p> Include Page Retrieve AVS and NEGO</p>
			<p>See Bulk Availability Feed - Prod</p>

Example 2: Working on confluence

- This specific section "Detailed processes" is part of the Word template itself.
- The content of the process can be accessed via the link.
- To export the full specification, all processes must be included.
- It allows to have a lighter page and use the navigation bar.

ForceSell RateOverride

- CascadeForceSell
- ExternalForceSell
- ExternalRateOverride
- ForceSell
- RateOverride
- UC check FOP Force Sell
- UC check LSS permission Force Sell
- UC check LSS permission Rate Override
- UC check booking restriction Force Sell
- UC hold inventory Force Sell
- UC price reservation Rate Override

Example 3: Working on Word or PDF

- All processes are included in the specification.
- This is part of the Word template itself.
- It allows to view all the specification on one page.

Scenario(s)	Optional	<p>Describe case(s) of end to end usage of the product.</p> <p>The scenario(s) illustrate(s) and ease(s) understanding of the product behavior.</p> <p>A scenario must be valid and consistent, as if it was an actual transaction.</p> <p>Recommendation is to have at least one scenario.</p> <p>A scenario is an end to end product illustration while an example is specific to one process.</p> <p>It is not mandatory to cover all existing features in this product.</p>	Any	<p>Example:</p> <ul style="list-style-type: none"> • Billing and Availability#Transactional and Non-Transactional • Full Availability Simulation Tool - Product
-------------	----------	---	-----	---

Index

Warnings/Errors	Optional	<p>List the errors and warnings returned by all the processes of this products.</p>	<p>Report of all the warnings/errors met in the products.</p> <p>An error or warning is</p> <ul style="list-style-type: none"> • functional 	Any	see Flight selection (SFxxGQ)#Errors
-----------------	----------	---	--	-----	--

			<ul style="list-style-type: none"> • a specific event that ends the functionality or creates a specific treatment • mentioned in the description • defined with <ul style="list-style-type: none"> • id / canned message number • text 		<table border="1"> <thead> <tr> <th colspan="2">Errors</th> </tr> <tr> <th>Title</th><th>Number</th></tr> </thead> <tbody> <tr> <td>No flight found</td><td>7959</td></tr> <tr> <td>End date before begin date</td><td>11187</td></tr> <tr> <td colspan="2"> </td></tr> <tr> <td colspan="2">Invalid Date : request for x day(s) before the flights database date</td><td>11169</td></tr> <tr> <td colspan="2"> </td><td></td></tr> <tr> <td colspan="2">System problem while decoding message</td><td>11170</td></tr> <tr> <td colspan="2"> </td><td></td></tr> <tr> <td colspan="2">Preference is deactivated</td><td>1633</td></tr> <tr> <td colspan="2">Only one connecting place can be provided by stopover</td><td>1017</td></tr> <tr> <td colspan="2">A stopover must have a not empty duration</td><td>1018</td></tr> </tbody> </table>	Errors		Title	Number	No flight found	7959	End date before begin date	11187	 		Invalid Date : request for x day(s) before the flights database date		11169	 			System problem while decoding message		11170	 			Preference is deactivated		1633	Only one connecting place can be provided by stopover		1017	A stopover must have a not empty duration		1018
Errors																																				
Title	Number																																			
No flight found	7959																																			
End date before begin date	11187																																			
Invalid Date : request for x day(s) before the flights database date		11169																																		
System problem while decoding message		11170																																		
Preference is deactivated		1633																																		
Only one connecting place can be provided by stopover		1017																																		
A stopover must have a not empty duration		1018																																		
Exceptions	Optional	List the exceptions possible in all the processes of this products.	<p>Report of all the exception met in the products.</p> <p>An exception is</p> <ul style="list-style-type: none"> • usually technical (link down, DB down, ...) • an unusual or unexpected event that may disrupt the normal processing of a functionality • mentioned in the description • defined with <ul style="list-style-type: none"> • id / canned message number • text 	Any																																
Associated configurations	Optional	List any settings having an impact on the product.	<p>Report of all the configuration used in the product.</p> <p>Any configuration associated to the product with its</p> <ul style="list-style-type: none"> • Type <ul style="list-style-type: none"> • OTF variables • ABR • EZT • ... • Name • Value(s) 	Internal	<p>see Flight selection (SFxxGQ) #C</p> <table border="1"> <thead> <tr> <th colspan="4">Configurations</th> </tr> <tr> <th>Title</th><th>Objective</th><th>Type</th><th>Scope</th></tr> </thead> <tbody> <tr> <td>ACTIVATE_INCL_EXCL_INTRACY_VALIDATION</td><td>Activate Ex for flight selection service to not return travel solution with intracy non leg connection when including an airport in query</td><td>OTF</td><td></td></tr> <tr> <td>ACTIVATE_TRUE_PROGRESSIVE_LEGS</td><td>Allow behavior related to Max and Min inputs in flight selection</td><td>OTF</td><td></td></tr> <tr> <td>Airport Association Table (AAT)</td><td>Settings to extend airport search to city search in flight selection (SFxxSQ)</td><td>Data file</td><td></td></tr> <tr> <td>CARO_FILES</td><td>Identify which Cache of Routes (CARO) file to use when using the option Cache of Routes (CRO) in Flight selection (SFxxGQ)</td><td>OTF</td><td> </td></tr> </tbody> </table>	Configurations				Title	Objective	Type	Scope	ACTIVATE_INCL_EXCL_INTRACY_VALIDATION	Activate Ex for flight selection service to not return travel solution with intracy non leg connection when including an airport in query	OTF		ACTIVATE_TRUE_PROGRESSIVE_LEGS	Allow behavior related to Max and Min inputs in flight selection	OTF		Airport Association Table (AAT)	Settings to extend airport search to city search in flight selection (SFxxSQ)	Data file		CARO_FILES	Identify which Cache of Routes (CARO) file to use when using the option Cache of Routes (CRO) in Flight selection (SFxxGQ)	OTF	 							
Configurations																																				
Title	Objective	Type	Scope																																	
ACTIVATE_INCL_EXCL_INTRACY_VALIDATION	Activate Ex for flight selection service to not return travel solution with intracy non leg connection when including an airport in query	OTF																																		
ACTIVATE_TRUE_PROGRESSIVE_LEGS	Allow behavior related to Max and Min inputs in flight selection	OTF																																		
Airport Association Table (AAT)	Settings to extend airport search to city search in flight selection (SFxxSQ)	Data file																																		
CARO_FILES	Identify which Cache of Routes (CARO) file to use when using the option Cache of Routes (CRO) in Flight selection (SFxxGQ)	OTF	 																																	
Security settings	Optional	List security settings.	<p>Security settings (eg. LSS permission and Description).</p> <p>* This section can be empty ("No particular security clearance or access rights are applicable to this operation.") if there is no security on this products.</p>	Internal																																
Data description	Optional	Define data manipulated in all the processes of this products.	<p>This section helps decoding/understanding the content of the data being used. Information to be included:</p> <ul style="list-style-type: none"> • data model • format • naming conventions • retention duration 	Internal																																
Other indexes	Optional	Document other lists of elements used in all the processes of this products.	For elements that cannot be provided in ANY other section	Depends on the content	<p><u>Examples:</u></p> <p>Internal notifications</p> <p>Notification to Feed</p>																															

			Notifications sent by Inventory List of the Feed notifications triggered by the Inventory Component																				
			<table border="1"> <thead> <tr> <th>Title</th><th>type</th><th>action</th></tr> </thead> <tbody> <tr> <td>Update activity counter for Non-Room Product Types</td><td>Property</td><td>ActivityCounter</td></tr> <tr> <td>Purge business rule - to be precise in the use cases</td><td>Property</td><td>Create</td></tr> <tr> <td>Receive a Notification from Configuration</td><td>Property</td><td>Create</td></tr> <tr> <td>Delete PAM Rule</td><td>ParityGroup</td><td>Update</td></tr> </tbody> </table>	Title	type	action	Update activity counter for Non-Room Product Types	Property	ActivityCounter	Purge business rule - to be precise in the use cases	Property	Create	Receive a Notification from Configuration	Property	Create	Delete PAM Rule	ParityGroup	Update					
Title	type	action																					
Update activity counter for Non-Room Product Types	Property	ActivityCounter																					
Purge business rule - to be precise in the use cases	Property	Create																					
Receive a Notification from Configuration	Property	Create																					
Delete PAM Rule	ParityGroup	Update																					
			Historization																				
			Notification to Audit Trail																				
			Notifications sent by Inventory List of Audit Trail notifications triggered by the Inventory Component																				
			<table border="1"> <thead> <tr> <th>Title</th><th>Rule Type</th><th>Category</th><th>Sub Category</th></tr> </thead> <tbody> <tr> <td>Delete product class overbooking</td><td>OVR</td><td>Product Class</td><td>Overbook</td></tr> <tr> <td>Delete Group Block</td><td>Allotment</td><td>Release</td><td></td></tr> <tr> <td>Update Group Block</td><td>Allotment</td><td>Allocated Rooms</td><td></td></tr> <tr> <td>Create Group Block</td><td>Allotment</td><td>Allocated Rooms</td><td></td></tr> </tbody> </table>	Title	Rule Type	Category	Sub Category	Delete product class overbooking	OVR	Product Class	Overbook	Delete Group Block	Allotment	Release		Update Group Block	Allotment	Allocated Rooms		Create Group Block	Allotment	Allocated Rooms	
Title	Rule Type	Category	Sub Category																				
Delete product class overbooking	OVR	Product Class	Overbook																				
Delete Group Block	Allotment	Release																					
Update Group Block	Allotment	Allocated Rooms																					
Create Group Block	Allotment	Allocated Rooms																					
			Messenger notifications, ...																				

Additional information & references

Standards	Optional	List the standards followed by the product.	Description of the standards (CISO, PCI, GDPR, ISO 27000, SSAE, ...) with the reference link if any.	Any	Related to the following initiative: https://ama
Non-Functional Requirements	Optional	List of NFRs that the product must respect.	<p>List of different types of standards to respect:</p> <ul style="list-style-type: none"> Performance requirements Software Quality attributes Safety requirements 	Always INTERNAL!	Example: <ul style="list-style-type: none"> Performance requirements <ul style="list-style-type: none"> Response Time of the product CPU and memory usage (ex: for the Cloud: need to consider the number of cores) Traffic handling (ex: for the Cloud: need to consider the bandwidth) Software Quality attributes (needs to be considered) <ul style="list-style-type: none"> Some to consider are: adaptability, availability, security, reliability, scalability, maintainability, portability, etc. Safety requirements <ul style="list-style-type: none"> Safeguards or actions that must be taken to prevent accidents or errors DCS problematics: weight balance, pressure, temperature, etc.
Technical documentation	Optional	Find easily related technical information.	Developer can add information or links to technical documentation (which could contain database information, etc.).	Always INTERNAL!	<u>Examples (real):</u> <ul style="list-style-type: none"> Example Minimum Connecting Time (MCT) #Techreq
Monitoring	Optional	Reference to related tools/view/dashboard for monitoring.	<p>Link to any relevant dashboards and short explanation of what it allows to monitor.</p> <ul style="list-style-type: none"> Splunk Elastic Grafana Sentinel ErrorViewer ... <p>Do not do the specifications of the monitoring tools itself in this section, it should be on a dedicated page</p>	Always INTERNAL!	<u>Examples:</u> To be completed
Possible evolutions	Optional	Describe/reference potential improvements.	Can contain: <ul style="list-style-type: none"> JIRA ticket Win@proach CR / PTR Sizing task 	Always INTERNAL!	

			<ul style="list-style-type: none"> Free text of potential evolutions Link(s) to other Confluence/Sharepoint pages or documents ... 																	
Functional validation	Optional	Link the related test plans.	This section contains the list of test plans that validated this process.	Always INTERNAL!	see Guidelines to improve traceability between functional validation and other sections															
Other related documentations	Optional	List other documentations linked to the product.	<p>This section contains references to the following documents:</p> <ul style="list-style-type: none"> Other related products specifications Presentation PM documentation (vision and scope, BRM, SOR, ...) How to User guide Implementation procedure Troubleshooting guide Documents delivered to customer 	Always INTERNAL!																
Revision table	Optional	List updates performed on specification document.	<p>List of main changes that impacted the specification (both globally and the processes) which impact the behavior or the processing flow of the product.</p> <p>Contains following information:</p> <ul style="list-style-type: none"> date Updater name Content of update <ul style="list-style-type: none"> Project(s) reference(s) with links to: <ul style="list-style-type: none"> project documentation (including HLDs) Sizing Task JIRA Initiative/Epic Win@proach CR / PTR etc. Major structure change (refactoring, split, migration, ...) Impacted processes (if any) Optional: <ul style="list-style-type: none"> Review status (name of reviewer, status, ...) Version (if needed) 	Internal and/or for export to customer	<p><u>How to</u></p> <p>In Confluence can be easily replicated:</p> <ul style="list-style-type: none"> adding comments in "What did you change" using Comala workflow <p>Examples:</p> <ul style="list-style-type: none"> From SellConnect Spec <p>Version and review status</p> <table border="1"> <thead> <tr> <th>Epic</th> <th>User story</th> <th>Spec</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>> Legend</p> <p>Hosted Inventory Preface</p> <h2>1.7. Revision History</h2> <h3>1.7.1. Version 7</h3> <table border="1"> <thead> <tr> <th>Version</th> <th>Date</th> <th>Author</th> </tr> </thead> <tbody> <tr> <td>7.23</td> <td>06/04/2020</td> <td>Andrea Giarrusso</td> </tr> <tr> <td>7.22</td> <td>11/03/2020</td> <td>Andrea Giarrusso</td> </tr> </tbody> </table>	Epic	User story	Spec				Version	Date	Author	7.23	06/04/2020	Andrea Giarrusso	7.22	11/03/2020	Andrea Giarrusso
Epic	User story	Spec																		
Version	Date	Author																		
7.23	06/04/2020	Andrea Giarrusso																		
7.22	11/03/2020	Andrea Giarrusso																		