

Digital

Top-ups

Author: Celfocus
Last Update: 2018-03-12
Version: 1.0.0

Table of Contents

1. Summary	3
2. Business Scenarios & Features	4
How Business Scenarios & Features are structured?	4
Functional Specification	5
BS #1: Create top-up request	5
Screen Specification	8
BS #1: Create top-up request	8
Integration Specification	12
BS #1: Create top-up request	12
Interface Agreement Impacts	14
3. Reference Data	15
4. Messages	16
Success messages	16
Confirmation messages.....	16
Error messages.....	17
Acronyms and abbreviations.....	18

1. Summary

P2P Top-ups

The purpose of this document is to describe top-up a prepaid mobile number from a post-paid account.

Business Scenarios and Features

Business Scenarios	Features
<i>BS #1: Create top-up request</i>	

Impacted WAs

N/A

Actor(s) involved

Online Portal User

2. Business Scenarios & Features

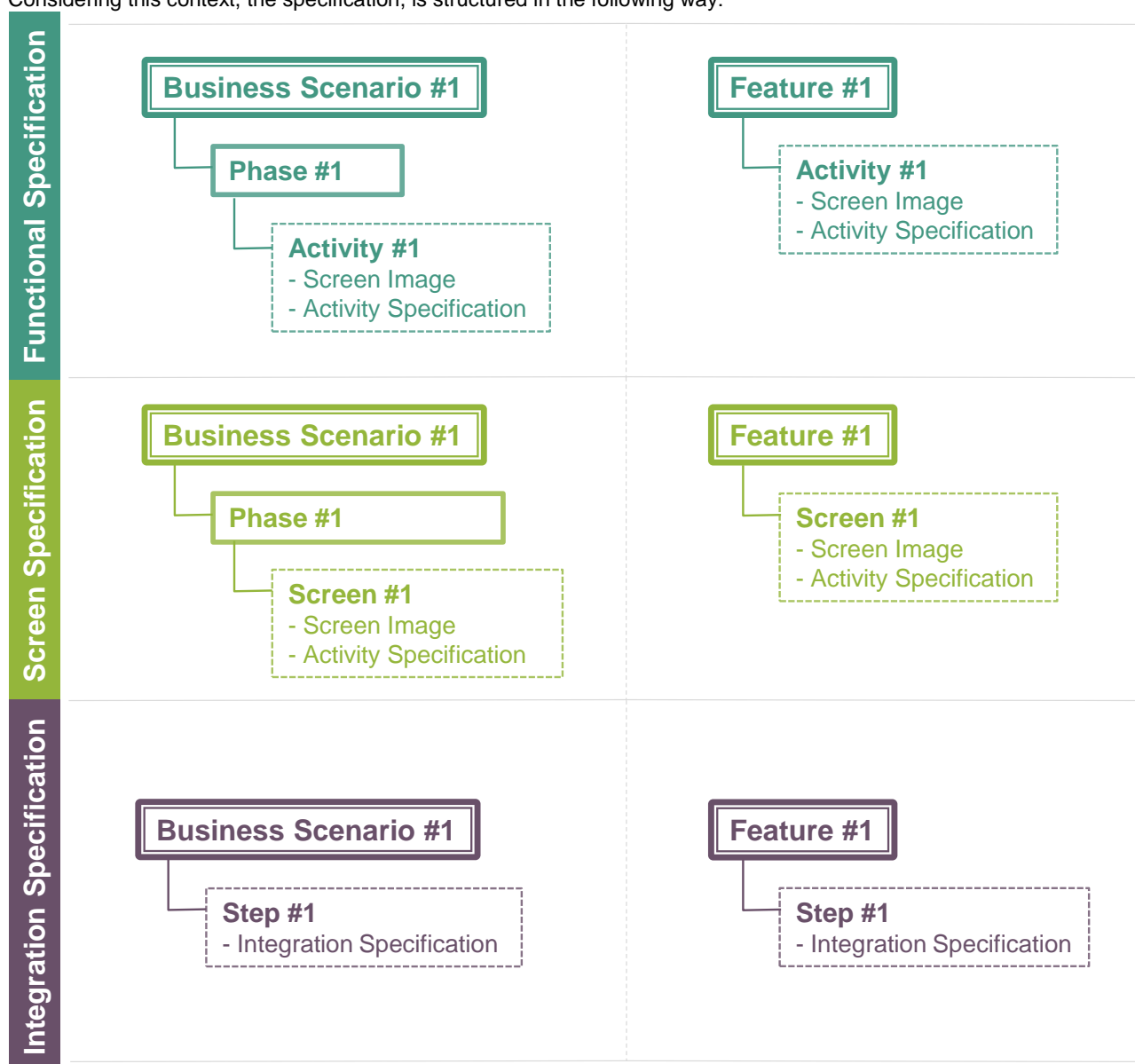
How Business Scenarios & Features are structured?

To make it easier to translate client's business requirements into business solutions, we specify business processes into Business scenarios. They represent real life situations, in which end customers and telco employees experience a flow of activities in order to reach a certain goal. We use them to specify the solution in scope, considering real life events and the "happy path" (e.g. New customer activate new line).

Each business scenario is divided in phases, in order to identify the major moments of the experience detailed. Whenever applicable, a Phase can be reused in different business scenarios.

In addition, whenever applicable in the Specify stage, we list every feature that is going to be implemented. We use features to specific system capabilities. Features are out-of-the-box and customizable by configuration. They may or may not have a flow of activities and can usually be used in different business scenarios (e.g. of a feature: invoice printing).

Considering this context, the specification, is structured in the following way:



Reading this document should be done through the navigation pane (click View - check Navigation Pane). It will ease out the navigation through the document.

Functional Specification

BS #1: Create top-up request

Business Scenario Specification

Description	This BS describes a customer creating a post-to-pre top-up request from a donor post-paid account to a pre-paid subscriber.
Post-conditions	<ul style="list-style-type: none">• The recipient pre-paid subscriber is topped-up with the desired amount;• The donor post-paid Financial Account is charged according to the top-up performed.

Activity 1 » Select Account

Activity Specification		
Actor(s)	Portal User	
System	Portal	
Screen Name	Top-ups	
Description	<p>After selecting the “Top-up” option, the user is redirected to the Top-ups screen.</p> <p>This screen contains a dropdown for selection of the Financial Account. This dropdown contains the list of Financial Accounts associated to the customer. The user selects the Financial Account to which he wants to associate the top-up request – this will be the donor Financial Account.</p>	
Automations	Business Validations & other Automations	Messages (Error & Warnings)
	<p>1a. Has mobile subscriptions?</p> <p>Portal checks if the selected Financial Account has at least one mobile (Mobile Main type) subscription (identification of subscription types is described with more detail in <i>WA#02: Homepage</i>).</p>	<p>If there are no mobile subscriptions associated to the Financial Account, error message EM_CR163_001 is displayed.</p>

Activity 2 » Enter phone number and top-up amount

Activity Specification		
Actor(s)	Portal User	
System	Portal	
Screen Name	Top-ups – New Top up	
Description	<p>User enters the following details for top-up request:</p> <ul style="list-style-type: none">• Pre-paid number to be topped-up• Amount of top-up (options defined in reference data <i>RD_CR163_001</i>) <p>For the top-up amount, a list of pre-defined options is available and the user can select one of them..</p>	
Automations	Business Validations & other Automations	Messages (Error & Warnings)
	N/A	N/A

Activity 3 » Confirm top-up request

Activity Specification		
Actor(s)	Portal User	
System	Portal	
Screen Name	Top-ups – New Top up confirmation	
Description	<p>A page containing the details of top-up request is displayed, so that the user can review. The user can go back by pressing “Back” button.</p> <p>In order to proceed, the user presses the “Confirm” button, which triggers the top-up request.</p> <p>After the successful top-up request, success message <i>SM_CR163_001</i> is displayed in a toaster in the bottom of the page.</p>	
Automations	Business Validations & other Automations	Messages (Error & Warnings)
	<p>3a. Create immediate top-up request</p> <p>Portal calls TopUpService operation via OSB to create the top-up request, passing in the request the identifier of the Financial Account and also the information entered by the user.</p>	<p>If the process fails, an error message EM_CR163_002 is displayed in the bottom of the page.</p>

Screen Specification

BS #1: Create top-up request

Top-ups

Top up

Welcome to Vodafone > Top up

Account: 12985126 - Joe's family

Top up

Insert phone number

+ 353 08

Top up with

☐ 5€ ☐ 10€ ☐ 15€ ☐ 20€

☐ Turn this top up into a recurring top up

Payment

The payment will be processed in the account 12985126 - Joe's family in the next bill.

☐ I've read and accept [terms & conditions](#)

Field Description

Label	Type	Description	Read Only	Mandatory
Accounts	Dropdown	Financial account id and financial account name	-	-
Top up	Title	Title of the page	-	-

Top-ups – New Top up

Top up

Insert phone number

+353 08

Top up with



☐ Turn this top up into a recurring top up

Payment

The payment will be processed in the account 12985126 - Joe's family in the next bill.

☐ I've read and accept [terms & conditions](#)

Continue

Field Description				
Label	Type	Description	Read Only	Mandatory
Phone area				
Insert phone number	Label	Label for "Insert phone number".	-	-
Phone prefix	Label	Prefix "+ 353 08" for mobile phone's number.	-	-
Phone number	Text	Pre-paid phone number to be topped-up. 8 characters length.	No	Yes
Top up with area				
Top up with	Label	Label for "Insert phone number".	-	-
Top-up amount	Tabs	Amount for top-up. Only one option can be selected.	No	Yes

Payment area				
Payment	Label	Label for "Payment".	-	-
The payment will be processed in the account ... in the next bill	Label	Label for Financial Account associated as donor to the top-up request.	-	-
Financial Account	Text	Financial account id and financial account name of the account selected in the Accounts dropdown.	-	-
Terms & Conditions	Text + Checkbox + link	Text and checkbox for acceptance of the Terms & Conditions associated to the top-up request creation. "terms & conditions" link redirects the user to an external page (configured in RD_CR163_002) containing information about the Terms & Conditions associated to the top-up request creation.	No	Yes
Continue	Button	Clicking this button redirects the user to "Top-ups – New Top up confirmation" screen.	-	-

Top-ups – New Top up confirmation



You are about to Top up

Please confirm the details below are correct

Mobile number you want to top up

+ 353 08 07777123456

Amount

€15.00

Account

1234863 - Joe's family

Confirm

Back

Field Description				
Label	Type	Description	Read Only	Mandatory
You are about to start a current Top up	Label	Label for top-up request creation - "You are about to Top up".	-	-
Please confirm the below details are correct	Label	Label for confirmation of top-up request.	-	-
Mobile number you want to top up	Text	Pre-paid phone number to be topped-up.	Yes	-
Amount	Text	Amount for top-up.	Yes	-
Confirm	Button	Clicking this button triggers the top-up request creation.	-	-
Back	Button	Clicking this button redirects the user back to "Top-ups – New Top up" screen.	-	-

Integration Specification

Note: Operations Inputs and Outputs can only be described after target systems provide this information.
Input/ output integration fields are in scope of IDD document, the information below is not bound to this HLD.

BS #1: Create top-up request



Step #	Integration	System	Description
3a	CustomerRequest::TopUpService	Backend	Create a one-time post-to-pre top-up request.

Integration Operations

Step 3a » CustomerRequest::TopUpService

The following table may not include all the usable inputs.

Operation	Input parameter	Description	Type	Mandatory/Optional
TopUpService	ConversationID	Consumer generated GUID to represent request flow	String	Mandatory
	Timestamp	Pass in date/time of the request – This should be XML date format (CCYY-MM-DDThh:mm:ss) for example 2016-01-01T10:00:00	dateTime	Mandatory
	PhoneNumber	Subscriber that will receive P2P Top-up credit Screen name: Pre-paid number to be topped-up	Token	Mandatory
	TermsAndConditionsResult	Flag indicating that the subscriber has been informed of the terms and conditions To be populated with true.	String	Mandatory
	Ammount	Amount of the top-up Screen name: Amount of top-up For non-integer values, the decimal separator character to be used is the dot (.) . Note: The value populated in this field must not contain the € character.	String	Mandatory
	FinancialAccount	The Financial Account ID Screen name: Financial Account Id part (in Account dropdown)	Token	Mandatory

The following table may not include all the usable outputs.

Service	Output parameter	Description	Type	Mandatory/Optional
TopUpService	ConversationID	Should be the generated ID that was passed into the service	String	Mandatory
	Timestamp	The date/time of the response back from backend system	dateTime	Mandatory
	ErrorCode	FAILURE / SUCCESS	String	Mandatory
	ErrorDescription	The error description	String	CM – When ErrorCode is different of SUCCESS

Interface Agreement Impacts

This section lists all the interfaces consumed by Portal in this document.

Interface Name	Description
CustomerRequest::TopUpService	Create a one-time post-to-pre top-up request.

3. Reference Data

The following table lists the Reference Data mentioned in this document. For Reference Data values please check the Business Parameter Table process.

<i>RD #</i>	Type
<i>RD_CR163_001</i>	Top-up amounts
<i>RD_CR163_002</i>	External URL with terms and conditions

4. Messages

Success messages

Note: All these messages text are just placeholders.

Message #	Message	BS/ FEAT #	Phase & Activity #
SM_CR163_001	Top-up request created with success.	BS#1	3

Confirmation messages

Note: All these messages text are just placeholders.

Message #	Message	BS/ FEAT #	Phase & Activity #
-----------	---------	------------	--------------------

Error messages

Note: All these messages text are just placeholders and need to be provided by Vodafone.

Message #	Message	BS / FEAT #	Phase & Activity #
EM_CR163_001	The selected account does not have mobile subscriptions. In order to proceed, Please select an account with mobile subscriptions.	BS#1	1
EM_CR163_002	An error occurred topping up pre-paid number with selected financial account.	BS#1	3

Acronyms and abbreviations

The following acronyms and abbreviations are used throughout the document:

Acronym	Full Name
---------	-----------

Copyright © CELFOCUS. All RIGHTS RESERVED TO CELFOCUS and its Licensors under Law. The disclosure, copying, adaptation, citation, transcription, translation, and/or any other form of total or partial use of the content, layout and graphic design, images or sound of this document or accessible herein, by any means of using any format (physical or virtual) without the respective authorization or licensing by CELFOCUS or its Licensors is prohibited and offenders shall be prosecuted. The user or licensee of all or part of this document may only use the document under the terms and conditions agreed upon with CELFOCUS and/or its Licensors for the purposes determined, otherwise subject to civil and/or criminal prosecution of the offenders.