



**EUROPEAN COMMISSION**

DIRECTORATE-GENERAL FISHERIES And Maritime Affairs

# Test Case design USM

**VERSION 1.2**

Project:	UNIONVMS
Title:	Test Scenarios Front End
Date:	20/10/2015
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Notes:	
Folder:	
Distribution:	DG FISHERIES, INTRASOFT INTERNATIONAL

### Document Record Sheet

AMENDMENT				
Version	Date	Author	Description	Modifications
1.1,1.2.	October 2015	Lorena Galvez	Test cases Front End tests	

DISTRIBUTION LIST		
Version	Date	List

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## 1. INTRODUCTION

### 1.1. Document Purpose

The purpose of this document is to describe the current automated tests that have been developed for testing the Front end part in the project UNIONVMS.

These tests have been developed in PROTRACTOR framework. PROTRACTOR is an end-to-end test framework for AngularJS applications.

The list of the programs corresponding to the tests is as follows:

1. applications-spec.js
2. organisations-spec.js
3. policies-spec.js
4. roles-spec.js
5. login-spec.js
6. changePassword-spec.js
7. securityAnswers-spec.js
8. resetPasswordSecurityAnswers-spec.js
9. account-spec.js
10. duplicateUserProfile-spec.js
11. setPassword-spec.js
12. changes-spec.js
13. userRoles-spec.js

And the following table shows the relationships between the tests and the USM modules, the User stories and the corresponding functional requirements:

USM Module	Folder	Tests	Pages	USER STORY	Requirement
applications	applications	applications-spec.js	applicationsPage.js	USM-08 View applications	Create and manage DB functions and procedures
organisations	organisations	organisations-spec.js	endpointsChannelsPage.js	USM-10 View organisations / USM-11 Manage organisations	Create organization / Manage endpoints with organizations
			endpointsContactsPage.js		
			organisationsDetailsPage.js		
			organisationsPage.js		
policies	policies	policies-spec.js	policiesPage.js	SEC-09 Configure pwd policy	Make expiration period configurable / Make password expiration warning behaviour configurable / Make password requirements and complexity settings configurable / Make the number of log-on attempts configurable / Reset password at expiration
roles	roles	roles-spec.js	rolesPage.js	USM-15 View roles / USM-16 Manage roles	Create and edit user roles / Add permissions / Assign user rights / Define dynamic roles / Configure and update access rights
scenarios	scenarios				
shared	shared	login-spec.js	loginPage.js	SEC-01 Authenticate users	Access based on name and password
		changePassword-spec.js	menuPage.js	USM-05 Amend user login password	Amend information from user account
		securityAnswers-spec.js		USM-06 Amend user security information	Amend information from user account
				SEC-10 Reset password	Create a process to reset the password
users	account	account-spec.js	accountDetailsPage.js	USM-02 Manage accounts	Create user account / Update user account / View and manage users list
		duplicateUserProfile-spec.js	usersPage.js	USM-14 Copy profiles	Copy and assign user profiles
		setPassword-spec.js		USM-25 Admin user can set user password	
	changes	changes-spec.js	changesPage.js	USM-04 Amend user contact details	Manage user account information
	contactDetails				
	preferences				
	userRoles	userRoles-spec.js		USM-17 Manage User Context	
		resetPasswordSecurityAnswers-spec.js		SEC-10 Reset password	Add permissions / Assign roles to Create a process to reset the password

## 2. TESTING THE WEB INTERFACE

### 2.1. Test the reset password

#### 2.1.1. TC1 Set the Security questions

<b>1. Test Case ID</b>	TC1
<b>2. Title</b>	Set the Security questions
<b>3. Description</b>	To set the Security questions of a certain user.
<b>4. Test objective :</b>	USM-06 Amend user security information
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Amend information from user account
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test user data is well defined in the data base. 2. The test user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	Log in the USM portal with the username and password:  Username: <b>USM_TEST_1</b> Password: <b>password**100</b>  2. Activate the “ <i>Login</i> ” button.
<b>Result 1</b>	The user is successfully logged in the USM portal.
<b>7. Step/Action2</b>	Select the option “ <i>Change Security Answer</i> ” in the “User” menu of USM.
<b>Result 2</b>	The “ <i>Change Your Security Answers</i> ” panel appears.
<b>8. Step/Action3</b>	1.Introduce the following values for the questions and answers:  Question 1: <b>What is your favourite movie?</b> Answer 1: <b>White</b>  Question 2: <b>What was the name of your first pet?</b> Answer 2: <b>Churrina</b>  Question 3: <b>What was the model of your first car?</b> Answer 3: <b>Seat Panda</b>  Current Password: <b>password**100</b>

	2. Activate the “Save” button.
<b>Result 3</b>	The “ <i>Change Your Security Answers</i> ” panel displays a successful message. The Security Questions/Answers for the test user are successfully saved in the data base.
<b>9. Test case Execution Time</b>	10 seconds
<b>10. Execution scripts</b>	
<b>11. Test environments</b>	Acceptance

### 2.1.2. TC2 Test values of the “Reset password” and “Set new password” panels

<b>1. Test Case ID</b>	TC2
<b>2. Title</b>	Test values of the “Reset password” and “Set new password” panels
<b>3. Description</b>	Test the values of the “Reset password” and “Set new password” panels with a wrong new password.
<b>4. Test objective :</b>	
<b>a. User Story</b>	
<b>b. Functional requirement</b>	To reset the password by introducing the Security answers.
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test user data is well defined in the data base. 2. The test user successfully accesses to the portal USM and the Login panel is displayed. 3. TC1 must be executed first.
<b>6. Step/Action1</b>	Select the “ <i>forgotten password</i> ” link in the Login panel.
<b>Result 1</b>	The “ <i>Reset password</i> ” panel appears.
<b>7. Step/Action2</b>	To inspect in the “ <i>Reset password</i> ” panel that: 1. The title of the panel: <b>Reset password</b> 2. The label of the panel: <b>Username</b>
<b>Result 2</b>	The values are correct.
<b>8. Step/Action3</b>	1. Introduce the following value in the “ <i>Reset password</i> ” panel:

	Username : <b>USM_TEST_1</b>
	2. Activate the “Reset password” button.
<b>Result 3</b>	The “Set new password” panel appears. The questions displayed in the panel are: <b>What is your favourite movie?</b> <b>What was the name of your first pet?</b> <b>What was the model of your first car?</b>
<b>9. Step/Action4</b>	<p>a. To inspect in the “Set new password” panel that:</p> <ol style="list-style-type: none"> <li>1. The title of the panel: <b>Set new password</b></li> <li>2. The 1<sup>st</sup> label of the panel: <b>Security questions:</b></li> <li>3. The 2<sup>nd</sup> label of the panel: <b>Answer:</b></li> <li>4. The 3<sup>rd</sup> label of the panel: <b>Answer:</b></li> <li>5. The 4<sup>th</sup> label of the panel: <b>Answer:</b></li> <li>6. The 5<sup>th</sup> label of the panel: <b>New Password</b></li> <li>7. The 6<sup>th</sup> label of the panel: <b>Confirm Password</b></li> </ol> <p>b. To introduce in the “Set new password” panel the values:</p> <ol style="list-style-type: none"> <li>1. Answer: <b>White</b></li> <li>2. Answer: <b>Churrina</b></li> <li>3. Answer: <b>Seat Panda</b></li> <li>4. New Password: <b>aa</b></li> <li>5. Confirm Password: <b>aa</b></li> </ol> <p>Where <b>aa</b> is a password that does not obey the password policies.</p> <p>c. Activate the “Save” button.</p>
<b>Result 4</b>	The values are correct. The panel displays the error message: <b>Password must contain at least 8 characters</b>
<b>10. Test case Execution Time</b>	10 seconds
<b>11. Execution scripts</b>	
<b>12. Test environments</b>	Acceptance

### 2.1.3. TC3 Test the reset of password by giving a wrong answer.

<b>1. Test Case ID</b>	TC3
<b>2. Title</b>	Test the reset password by giving a wrong answer.
<b>3. Description</b>	Test the “Set new password” panel giving a wrong answer and inspect the error message.
<b>4. Test objective :</b> <b>a. User Story</b>	SEC-10 Reset password



<b>b. Functional requirement</b>	Create a process to reset the password
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test user data is well defined in the data base. 2. The test user successfully accesses to the portal USM and the Login panel is displayed. 3. TC1 must be executed first.
<b>6. Step/Action1</b>	Select the “ <i>forgotten password</i> ” link in the Login panel.
<b>Result 1</b>	The “ <i>Reset password</i> ” panel appears.
<b>7. Step/Action2</b>	1. Introduce the following value in the “ <i>Reset password</i> ” panel:  Username : <b>USM_TEST_1</b>  2. Activate the “ <i>Reset password</i> ” button.
<b>Result 2</b>	The “ <i>Set new password</i> ” panel appears. The questions displayed in the panel are:  <b>What is your favourite movie?</b> <b>What was the name of your first pet?</b> <b>What was the model of your first car?</b>
<b>8. Step/Action3</b>	1. To introduce in the “ <i>Set new password</i> ” panel the values: <ol style="list-style-type: none"> <li>Answer: <b>White</b></li> <li>Answer: <b>Churrina</b></li> <li>Answer: <b>Mercedes</b></li> <li>New Password: <b>password**101</b></li> <li>Confirm Password: <b>password**101</b></li> </ol> Where <b>Mercedes</b> is a wrong answer.  2. Activate the “ <i>Save</i> ” button.
<b>Result 3</b>	The panel displays the error message: <b>Invalid security answers</b>
<b>9. Test case Execution Time</b>	10 seconds
<b>10. Execution scripts</b>	
<b>11. Test environments</b>	Acceptance

#### 2.1.4. TC4 Test the reset of password with security questions.

<b>1. Test Case ID</b>	TC4
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<b>2. Title</b>	Test the reset of password with security questions
<b>3. Description</b>	Test the reset of password by answering properly the security questions
<b>4. Test objective :</b>	SEC-10 Reset password
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Create a process to reset the password
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test user data is well defined in the data base. 2. The test user successfully accesses to the portal USM and the Login panel is displayed. 3. TC1 must be executed first.
<b>6. Step/Action1</b>	Select the “ <i>forgotten password</i> ” link in the Login panel.
<b>Result 1</b>	The “ <i>Reset password</i> ” panel appears.
<b>7. Step/Action2</b>	1. Introduce the following value in the “ <i>Reset password</i> ” panel:  Username : <b>USM_TEST_1</b>  2. Activate the “ <i>Reset password</i> ” button.
<b>Result 2</b>	The “ <i>Set new password</i> ” panel appears. The questions displayed in the panel are:  <b>What is your favourite movie?</b> <b>What was the name of your first pet?</b> <b>What was the model of your first car?</b>
<b>8. Step/Action3</b>	1. To introduce in the “ <i>Set new password</i> ” panel the values: <ul style="list-style-type: none"> <li>a. Answer: <b>White</b></li> <li>b. Answer: <b>Churrina</b></li> <li>c. Answer: <b>Seat Panda</b></li> <li>d. New Password: <b>password**101</b></li> <li>e. Confirm Password: <b>password**101</b></li> </ul> 2. Activate the “ <i>Save</i> ” button.
<b>Result 3</b>	The “ <i>Set new password</i> ” panel displays a successful message: <b>The new password has been set.</b>
<b>9. Test case Execution Time</b>	10 seconds
<b>10. Execution scripts</b>	
<b>11. Test environments</b>	Acceptance

**2.1.5. TC5 Test to enter with the new password**

<b>1. Test Case ID</b>	TC5
<b>2. Title</b>	Test to enter with the new password
<b>3. Description</b>	Test to enter with a new password that has been set by answering properly the security questions
<b>4. Test objective :</b>	SEC-10 Reset password
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Create a process to reset the password
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test user data is well defined in the data base. 2. The test user successfully accesses to the portal USM and the Login panel is displayed. 3. TC1 and TC4 must be executed first.
<b>6. Step/Action1</b>	1. To introduce in the “Login” panel the values:  Username : <b>USM_TEST_1</b> Password: <b>password**101</b>  2. Activate the “ <i>Login</i> ” button.
<b>Result 1</b>	The user successfully accesses to the USM portal and can restore the previous password from the “ <i>Change password</i> ” option in the User’s menu.
<b>10. Test case Execution Time</b>	10 seconds
<b>11. Execution scripts</b>	
<b>12. Test environments</b>	Acceptance

**2.1.6. TC6 Test the reset of password without security questions.**

<b>1. Test Case ID</b>	TC6
<b>2. Title</b>	Test the reset of password without security questions
<b>3. Description</b>	Test the reset of password with a user that does not have security questions
<b>4. Test objective :</b>	SEC-10 Reset password
<b>a. User Story</b>	

<b>b. Functional requirement</b>	Create a process to reset the password
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test user data is well defined in the data base. 2. The test user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	Select the “ <i>forgotten password</i> ” link in the Login panel.
<b>Result 1</b>	The “ <i>Reset password</i> ” panel appears.
<b>7. Step/Action2</b>	1. Introduce the following value in the “ <i>Reset password</i> ” panel:  Username : <b>USM_TEST_2</b>  2. Activate the “ <i>Reset password</i> ” button.
<b>Result 2</b>	The “ <i>Reset password</i> ” panel displays a successful message: <b>A new password has been sent to your email address</b>
<b>8. Test case Execution Time</b>	10 seconds
<b>9. Execution scripts</b>	
<b>10. Test environments</b>	Acceptance

#### 2.1.7. TC7 Test the reset of password with a disabled user.

<b>1. Test Case ID</b>	TC7
<b>2. Title</b>	Test the reset of password with a disabled user.
<b>3. Description</b>	Test the reset of password with a user that is disabled. The system should display an error message.
<b>4. Test objective :</b>	SEC-10 Reset password
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Create a process to reset the password
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	The test user data is well defined in the data base, the test user is disabled.
<b>6. Step/Action1</b>	Select the “ <i>forgotten password</i> ” link in the Login panel.
<b>Result 1</b>	The “ <i>Reset password</i> ” panel appears.

<b>7. Step/Action2</b>	1. Introduce the following value in the “ <i>Reset password</i> ” panel:  Username : <b>USM_TEST_3</b>  2. Activate the “ <i>Reset password</i> ” button.
<b>Result 2</b>	The “ <i>Reset password</i> ” panel displays a successful message: <b>Error: Unauthorized Exception: User status is disabled</b>
<b>8. Test case Execution Time</b>	10 seconds
<b>9. Execution scripts</b>	
<b>10. Test environments</b>	Acceptance

## 2.2. Test the panel of changing the Security Questions/Answers

### 2.2.1. TC8 Test the change of the Security Questions/Answers with success

<b>1. Test Case ID</b>	TC8
<b>2. Title</b>	Test the change of the Security questions/answers with success
<b>3. Description</b>	Test the change of questions/answers of a user with success
<b>4. Test objective :</b>	USM-06 Amend user security information
<b>a. User story</b>	
<b>b. Functional requirement</b>	Amend information from user account
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test user data is well defined in the data base. 2. The test user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1.Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b>  2. Choose the <b>USM-User Manager - (no scope)</b> context
<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager.
<b>7. Step/Action2</b>	Select the option “ <i>Change Security Answer</i> ” in the “ <i>User</i> ” menu of USM.

<b>Result 2</b>	The “ <i>Change Security Answer</i> ” panel appears.
<b>8. Step/Action3</b>	<p>a. To inspect in the “<i>Set new password</i>” panel that:</p> <ol style="list-style-type: none"> <li>1. The title of the panel: <b>Change Your Security Answers</b></li> <li>2. The 1<sup>st</sup> label of the panel: <b>Question 1</b></li> <li>3. The 2<sup>nd</sup> label of the panel: <b>Answer 1</b></li> <li>4. The 3<sup>rd</sup> label of the panel: <b>Question 2</b></li> <li>5. The 4<sup>th</sup> label of the panel: <b>Answer 2</b></li> <li>6. The 5<sup>th</sup> label of the panel: <b>Question 3</b></li> <li>7. The 6<sup>th</sup> label of the panel: <b>Answer 3</b></li> <li>8. The 6<sup>th</sup> label of the panel: <b>Current Password</b></li> </ol> <p>b. Introduce the following values for the questions and answers:</p> <p>Question 1: <b>What is your favourite movie?</b> Answer 1: <b>White</b></p> <p>Question 2: <b>What was the name of your first pet?</b> Answer 2: <b>Churrina</b></p> <p>Question 3: <b>What was the model of your first car?</b> Answer 3: <b>Seat Panda</b></p> <p>Current Password: <b>password</b></p> <p>2. Activate the “<i>Save</i>” button.</p>
<b>Result 3</b>	<p>The values are correct.</p> <p>The “<i>Change Your Security Answers</i>” panel displays a successful message.</p> <p>The Security Questions/Answers for the test user are successfully saved in the data base.</p>
<b>9. Test case Execution Time</b>	10 seconds
<b>10. Execution scripts</b>	
<b>11. Test environments</b>	Acceptance

### 2.2.2. TC9 Test the error message of repeating questions

<b>1. Test Case ID</b>	TC9
<b>2. Title</b>	Test the error message of repeating questions
<b>3. Description</b>	Test the error message of repeating questions by changing the questions/answers of a user.

<b>4. Test objective :</b>	USM-06 Amend user security information
<b>a. User story</b>	
<b>b. Functional requirement</b>	Amend information from user account
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test user data is well defined in the data base. 2. The test user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b>  2. Choose the <b>USM-User Manager - (no scope)</b> context
<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager.
<b>7. Step/Action2</b>	Select the option “ <i>Change Security Answer</i> ” in the “ <i>User</i> ” menu of USM.
<b>Result 2</b>	The “ <i>Change Security Answer</i> ” panel appears.
<b>8. Step/Action3</b>	1. Introduce the following values for the questions and answers:  Question 1: <b>What is your favourite movie?</b> Answer 1: <b>White</b> Question 2: <b>What is your favourite movie?</b> Answer 2: <b>Churrina</b> Question 3: <b>What was the model of your first car?</b> Answer 3: <b>Seat Panda</b> Current Password: <b>password</b>  Where <i>Question 2</i> is the same choose than <i>Question 1</i> .  2. Activate the “ <i>Save</i> ” button.
<b>Result 3</b>	The “ <i>Change Your Security Answers</i> ” panel displays a the error message: <b>The same question cannot be used multiple times</b>
<b>9. Test case Execution Time</b>	5 seconds
<b>10. Execution scripts</b>	
<b>11. Test environments</b>	Acceptance

### 2.2.3. TC10 Test the error message of short answers

<b>1. Test Case ID</b>	TC10
<b>2. Title</b>	Test the error message of short answers
<b>3. Description</b>	Test the error message of short answers by writing a short answer in the change of security questions/answers of a user
<b>4. Test objective :</b>	USM-06 Amend user security information
<b>a. User story</b>	
<b>b. Functional requirement</b>	Amend information from user account
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test user data is well defined in the data base. 2. The test user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b>  2. Choose the <b>USM-User Manager - (no scope)</b> context
<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager.
<b>7. Step/Action2</b>	Select the option “ <i>Change Security Answer</i> ” in the “ <i>User</i> ” menu of USM.
<b>Result 2</b>	The “ <i>Change Security Answer</i> ” panel appears.
<b>8. Step/Action3</b>	1. Introduce the following values for the questions and answers:  Question 1: <b>What is your favourite movie?</b> Answer 1: <b>White</b>  Question 2: <b>What is your favourite movie?</b> Answer 2: <b>AA</b>  Question 3: <b>What was the model of your first car?</b> Answer 3: <b>Seat Panda</b>  Current Password: <b>password</b>  Where <i>Answer2</i> is too short.  2. Activate the “ <i>Save</i> ” button.
<b>Result 3</b>	The “ <i>Change Your Security Answers</i> ” panel displays a the error message: <b>setChallenge.response2 is too short</b>



	(min 3)
<b>9. Test case Execution Time</b>	5 seconds
<b>10. Execution scripts</b>	
<b>11. Test environments</b>	Acceptance

## 2.3. Test the login

### 2.3.1. TC11 Test the login with an invalid password

<b>1. Test Case ID</b>	TC11
<b>2. Title</b>	Test the login with an invalid password
<b>3. Description</b>	Test the login panel with an invalid password and inspect the error message
<b>4. Test objective :</b>	USM-06 Amend user security information
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Amend information from user account
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test user data is well defined in the data base. 2. The test user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. To log in the USM portal with the values:  Username: <b>vms_user_com</b> Password: <b>wrong</b>  2. Activate the “Login” button.
<b>Result 1</b>	The panel displays the error message: <b>Error: Invalid credentials</b>
<b>7. Test case Execution Time</b>	5 seconds
<b>8. Execution scripts</b>	
<b>9. Test environments</b>	Acceptance

### 2.3.2. TC12 Test the login with an invalid username

<b>1. Test Case ID</b>	TC12
<b>2. Title</b>	Test the login with an invalid username
<b>3. Description</b>	Test the login panel with an invalid username and inspect the error message
<b>4. Test objective :</b>	USM-06 Amend user security information
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Amend information from user account
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test user data is well defined in the data base. 2. The test user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1.To log in the USM portal with the values:  Username: <b>nimda_msu</b> Password: <b>password</b>  2. Activate the “Login” button.
<b>Result 1</b>	The panel displays the error message: <b>Error: Invalid credentials</b>
<b>9. Test case Execution Time</b>	5 seconds
<b>10. Execution scripts</b>	
<b>11. Test environments</b>	Acceptance

### 2.3.3. TC13 Test the login panel with valid credentials

<b>1. Test Case ID</b>	TC13
<b>2. Title</b>	Test the login with an invalid username
<b>3. Description</b>	Test the login panel with an invalid username and inspect the error message
<b>4. Test objective :</b>	USM-06 Amend user security information
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Amend information from user account
<b>c. Business Rule</b>	

<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test user data is well defined in the data base. 2. The test user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. To log in the USM portal with the values:  Username: <b>vms_user_com</b> Password: <b>password</b>  2. Activate the “ <i>Login</i> ” button.
<b>Result 1</b>	The panel displays a successfully message.
<b>7. Step/Action2</b>	To inspect that the current page is <a href="http://localhost:9001/app/#/usm/home">http://localhost:9001/app/#/usm/home</a>
<b>Result 2</b>	It is validated.
<b>7. Step/Action3</b>	To open the “ <i>Log out</i> ” option in the User’s menu.
<b>Result 3</b>	The user is successfully logged out from the USM portal and the current page is <a href="http://localhost:9001/app/#/usm/logout">http://localhost:9001/app/#/usm/logout</a>
<b>9. Test case Execution Time</b>	8 seconds
<b>10. Execution scripts</b>	
<b>11. Test environments</b>	Acceptance

## 2.4. Test the change of the user password

### 2.4.1. TC14 Test the change of the user password with a too short password

<b>1. Test Case ID</b>	TC14
<b>2. Title</b>	Test the change of the user password with a too short password
<b>3. Description</b>	Test the change of the user password with a too short password and inspect the error message.
<b>4. Test objective :</b>	USM-05 Amend user login password
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Amend information from user account
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	

<b>5. Pre Condition(s)</b>	1. To inspect if the test user, who has the password to change, exists in the <i>Users</i> table. Otherwise the test creates the user data. 2. The test user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_user2</b> Password: <b>password12!@</b>  2. Activate the “ <i>Login</i> ” button.
<b>Result 1</b>	The user successfully enters in USM portal.
<b>7. Step/Action2</b>	Select the option “ <i>Change Password</i> ” in the User menu of USM.
<b>Result 2</b>	The “ <i>Change Password</i> ” panel appears.
<b>8. Step/Action3</b>	1 Introduce the following values for the “ <i>Change Password</i> ” panel:  Old Password: <b>password12!@</b> New Password: <b>pas*1</b> Confirm New Password: <b>pas*1</b>  2. Activate the “ <i>Save</i> ” button.
<b>Result 3</b>	The panel displays the error message: <b>Error: Password must contain at least 8 characters</b>
<b>9. Test case Execution Time</b>	5 seconds
<b>10. Execution scripts</b>	
<b>11. Test environments</b>	Acceptance

#### 2.4.2. TC15 Test the change of the user password with a proper password

<b>1. Test Case ID</b>	TC15
<b>2. Title</b>	Test the change of the user password with a proper password
<b>3. Description</b>	Test the change of the user password with a proper password and inspect the successful message.
<b>4. Test objective :</b>	SEC-10 Reset password
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Amend information from user account
<b>c. Business Rule</b>	

<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. To inspect if the test user, who has the password to change, exists in the <i>Users</i> table. Otherwise the test creates the user data. 2. The test user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_user2</b> Password: <b>password12!@</b>  2. Activate the “ <i>Login</i> ” button.
<b>Result 1</b>	The user successfully enters in USM portal.
<b>7. Step/Action2</b>	Select the option “ <i>Change Password</i> ” in the “ <i>User</i> ” menu of USM.
<b>Result 2</b>	The “ <i>Change Password</i> ” panel appears.
<b>8. Step/Action3</b>	1 Introduce the following values for the “ <i>Change Password</i> ” panel:  Old Password: <b>password12!@</b> New Password: <b>a valid password randomly generated</b> Confirm New Password: <b>a valid password randomly generated</b>  2. Activate the “ <i>Save</i> ” button.
<b>Result 3</b>	The panel displays a successful message. The password can be restored to the previous one.
<b>9. Test case Execution Time</b>	5 seconds
<b>10. Execution scripts</b>	
<b>11. Test environments</b>	Acceptance

## 2.5. Test the set of password of a user

### 2.5.1. TC16 Test the set of password of a user

<b>1. Test Case ID</b>	TC16
<b>2. Title</b>	Test the set of password of a user
<b>3. Description</b>	Test the change of the user password with a too short password and inspect the error message. For this purpose a test administrator user will change the password of a test user.

<b>4. Test objective :</b> <b>a. User Story</b>  <b>b. Functional requirement</b>  <b>c. Business Rule</b>  <b>d. Non-Functional requirement</b>	USM-25 Admin user can set user password
	Create password creation policy
<b>5. Pre Condition(s)</b>	1. The test administrator user and the test user are well defined in the data base. 2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b>  2. Choose the <b>USM-User Manager - (no scope)</b> context.  3. Select the <i>Users</i> option in the Menu of USM.
<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager. The main table of Users is displayed.
<b>7. Step/Action2</b>	1. To introduce in the <i>Users</i> search panel the value:  Name search: <b>vms_user_fra</b>  2. Activate the “ <i>Search</i> ” button.
<b>Result 2</b>	The <i>Users</i> table displays a record with the corresponding value.
<b>8. Step/Action3</b>	To activate the “ <i>Eye icon</i> ” button in the record of the <i>Users</i> table.
<b>Result 3</b>	The “ <i>User Details</i> ” page opens.
<b>9. Step/Action4</b>	To press the “ <i>Set Password</i> ” button corresponding to the “ <i>Contact and Status Details</i> ” tab.
<b>Result 4</b>	The “ <i>Set Password</i> ” panel opens.
<b>10. Step/Action5</b>	1. To introduce in the “ <i>Set Password</i> ” panel the values:  Password: <b>pas*1</b> Confirm Password: <b>pas*1</b>  2. Activate the “ <i>Save</i> ” button.
<b>Result 5</b>	The “ <i>Set Password</i> ” panel displays a successful message: <b>Error: Password must contain at least 8 characters</b>

<b>11. Step/Action6</b>	<p>1. To introduce in the “<i>Set Password</i>” panel the values:</p> <p>    Password: <b>a valid password randomly generated</b>          Confirm Password: <b>a valid password randomly generated</b></p> <p>2. Activate the “<i>Save</i>” button.</p>
<b>Result 6</b>	<p>1. The “<i>Set Password</i>” panel displays a successful message.</p> <p>2. The test user can enter in USM with the new password.</p>
<b>9. Test case Execution Time</b>	10 seconds
<b>10. Execution scripts</b>	
<b>11. Test environments</b>	Acceptance

## 2.6. Test manage accounts

### 2.6.1. TC17 Test the creation of an account

<b>1. Test Case ID</b>	TC17
<b>2. Title</b>	Test the creation of an account
<b>3. Description</b>	Test the creation of an account by a user with permissions.
<b>4. Test objective :</b>	USM-02 Manage accounts
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Create user account
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	<p>1. The test administrator user and the test user are well defined in the data base.</p> <p>2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.</p>
<b>6. Step/Action1</b>	<p>1. Log in the USM portal with the username and password:</p> <p>    Username: <b>usm_admin</b>          Password: <b>password</b></p> <p>2. Choose the <b>USM-User Manager - (no scope)</b> context.</p> <p>3. To select the <i>Users</i> option in the Menu.</p>

<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager. The main table of <i>Users</i> is displayed.
<b>7. Step/Action2</b>	To press the “ <i>New User</i> ” button in the <i>Users</i> table.
<b>Result 2</b>	The “ <i>New User</i> ” panel opens.
<b>8. Step/Action3</b>	1.Introduce in the “ <i>New User</i> ” panel the values:  Username: <b>a valid username randomly generated</b> First Name: <b>FirstName</b> Last Name: <b>LastName</b> Email: <b>aa@aa.es</b> Organisation: <b>FRA</b> Status: <b>Enabled</b>  2. Activate the “ <i>Save</i> ” button.
<b>Result 3</b>	The “ <i>New User</i> ” panel displays a successful message. The new account is successfully saved in the data base.
<b>9. Test case Execution Time</b>	10 seconds
<b>10. Execution scripts</b>	
<b>11. Test environments</b>	Acceptance

### 2.6.2. TC18 Test the modification of an account

<b>1. Test Case ID</b>	TC18
<b>2. Title</b>	Test the modification of an account
<b>3. Description</b>	Test the modification of an existing account by a user with permissions.
<b>4. Test objective :</b>	USM-02 Manage accounts
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Update user account
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test administrator user and the test user are well defined in the data base. 2. TC17 must be executed first.



	3. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	<p>1. Log in the USM portal with the username and password:</p> <p>Username: <b>usm_admin</b> Password: <b>password</b></p> <p>2. Choose the <b>USM-User Manager - (no scope)</b> context.</p> <p>3. To select the <i>Users</i> option in the Menu.</p>
<b>Result 1</b>	<p>The user successfully enters in USM portal with the profile of User Manager.</p> <p>The main table of <i>Users</i> is displayed.</p>
<b>7. Step/Action2</b>	<p>1. To introduce in the <i>Users</i> search panel the value:</p> <p>Name search: <b>username previously generated</b></p> <p>2. Activate the “<i>Search</i>” button.</p>
<b>Result 2</b>	<p>The <i>Users</i> table displays a record with the information:</p> <p>Username: <b>username previously generated</b> First Name: <b>FirstName</b> Last Name: <b>LastName</b> Email: <b>aa@aa.es</b> Organisation: <b>FRA</b> Status: <b>Enabled</b></p>
<b>8. Step/Action3</b>	1. To activate the “ <i>Pencil icon</i> ” button in the record.
<b>Result 3</b>	<p>The “<i>Edit User</i>” panel opens. It contains the values:</p> <p>Username: <b>username previously generated</b> First Name: <b>FirstName</b> Last Name: <b>Last-named</b> Email: <b>aa@aa.es</b> Organisation: <b>FRA</b> Status: <b>Enabled</b></p>
<b>9. Step/Action4</b>	<p>1. To press the “<i>Edit</i>” button in the “<i>Edit User</i>” panel.</p> <p>2. To introduce the value:</p> <p>Phone Number: <b>21111</b></p> <p>2. Activate the “<i>Save</i>” button.</p>
<b>Result 4</b>	In the main table of <i>Users</i> the record has been successfully updated.
<b>9. Test case Execution Time</b>	10 seconds

<b>10. Execution scripts</b>	
<b>11. Test environments</b>	Acceptance

## 2.7. Test Organisations

### 2.7.1. TC19 Test view Organisations

<b>1. Test Case ID</b>	TC19
<b>2. Title</b>	Test view Organisations
<b>3. Description</b>	Test the main page of Organisations.
<b>4. Test objective :</b>	USM-10 View organisations
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Create organization
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test administrator user and the test user are well defined in the data base. 2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b>  2. Choose the <b>USM-User Manager - (no scope)</b> context.  3. To select the <i>Organisations</i> option in the Menu.
<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager. The main table of <i>Organisations</i> is displayed.
<b>7. Step/Action2</b>	1. To introduce in the <i>Organisations</i> search panel the values: Name: <b>FRA</b> Nation: <b>FRA</b> Status: <b>Enabled</b>  2. Activate the “ <i>Search</i> ” button.

<b>Result 2</b>	The <i>Organisations</i> table displays a record with the corresponding values.
<b>9. Test case Execution Time</b>	10 seconds
<b>10. Execution scripts</b>	
<b>11. Test environments</b>	Acceptance

### 2.7.2. TC20 Test view Organisations details and endpoints

<b>1. Test Case ID</b>	TC20
<b>2. Title</b>	Test view Organisations details and endpoints
<b>3. Description</b>	Test the page of Organisations details and Endpoints for a certain organisation.
<b>4. Test objective :</b>	USM-10 View organisations
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Create organization Manage endpoints with organizations
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test administrator user and the test user are well defined in the data base. 2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b>  2. Choose the <b>USM-User Manager - (no scope)</b> context  3. To select the <i>Organisations</i> option in the Menu.
<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager. The main table of <i>Organisations</i> is displayed.
<b>7. Step/Action2</b>	1. To introduce in the <i>Organisations</i> search panel the values: Name: <b>GRC</b> Nation: <b>GRC</b> Status: <b>Enabled</b>

	2. Activate the “ <i>Search</i> ” button.
<b>Result 2</b>	The <i>Organisations</i> table displays a record with the information:  Name: <b>GRC</b> Description: <b>Greek ministry of agriculture</b> Nation: <b>GRC</b>
<b>8. Step/Action3</b>	To activate the “ <i>Eye icon</i> ” button in the record of the <i>Organisations</i> table.
<b>Result 3</b>	The “ <i>Organisation Details</i> ” page opens. In the <i>Endpoints</i> table two records appear with the following information:  <u>First record:</u> Name: <b>FLUX.GRC</b> Description: <b>Main FLUX node for Greece</b> URI: <b>http://main.flux.gr/</b>  <u>Second record:</u> Name: <b>FLUX.GRC_backup</b> Description: <b>Backup FLUX node for Greece</b> URI: <b>http://backup.flux.gr/</b>
<b>8. Step/Action3</b>	To activate the “ <i>Eye icon</i> ” button in the first record of the <i>Endpoints</i> table.
<b>Result 3</b>	The <i>Endpoint</i> page appears.
<b>9. Test case Execution Time</b>	10 seconds
<b>10. Execution scripts</b>	
<b>11. Test environments</b>	Acceptance

### 2.7.3. TC21 Test create an Organisation

<b>1. Test Case ID</b>	TC21
<b>2. Title</b>	Test create an Organisation
<b>3. Description</b>	Test the creation of a new Organisation.
<b>4. Test objective :</b>	USM-11 Manage organisations
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Create organization
<b>c. Business Rule</b>	

<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	<p>1. The test administrator user and the test user are well defined in the data base.</p> <p>2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.</p>
<b>6. Step/Action1</b>	<p>1. Log in the USM portal with the username and password:</p> <p>Username: <b>usm_admin</b> Password: <b>password</b></p> <p>2. Choose the <b>USM-User Manager - (no scope)</b> context.</p> <p>3. To select the <i>Organisations</i> option in the Menu.</p>
<b>Result 1</b>	<p>The user successfully enters in USM portal with the profile of User Manager.</p> <p>The <i>Organisations</i> table is displayed.</p>
<b>7. Step/Action2</b>	To press the “New” button in the <i>Organisations</i> table.
<b>Result 2</b>	The “New Organisation” panel opens.
<b>8. Step/Action3</b>	<p>1.Introduce in the “New Organisation” panel the values:</p> <p>Name: <b>protractorOrg</b> Description: <b>new org description</b> Nation: <b>EEC</b> Status: <b>Enabled</b> Email: <b>newOrg@email.com</b></p> <p>2. Activate the “Save” button.</p>
<b>Result 3</b>	<p>The “New Organisation” panel displays a successful message and closes.</p> <p>A new record for the new Organisation is created in the <i>Organisations</i> table and can be searched.</p>
<b>9. Test case Execution Time</b>	10 seconds
<b>10. Execution scripts</b>	
<b>11. Test environments</b>	Acceptance

#### 2.7.4. TC22 Test the modification of an Organisation

<b>1. Test Case ID</b>	TC22
<b>2. Title</b>	Test the modification of an Organisation

<b>3. Description</b>	Test the modification of an Organisation with the Edit Organisation panel.
<b>4. Test objective :</b>	USM-11 Manage organisations
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Create organization
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	<ol style="list-style-type: none"> <li>1. The test administrator user is well defined in the data base.</li> <li>2. TC21 must be executed first.</li> <li>3. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.</li> </ol>
<b>6. Step/Action1</b>	<ol style="list-style-type: none"> <li>1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b></li> <li>2. Choose the <b>USM-User Manager - (no scope)</b> context.</li> <li>3. To select the <i>Organisations</i> option in the Menu.</li> </ol>
<b>Result 1</b>	<p>The user successfully enters in USM portal with the profile of User Manager.</p> <p>The <i>Organisations</i> table is displayed.</p>
<b>7. Step/Action2</b>	<ol style="list-style-type: none"> <li>1. To introduce in the <i>Organisations</i> search panel the values:  Name: <b>protractorOrg</b> Nation: <b>EEC</b> Status: <b>Enabled</b></li> <li>2. Activate the “<i>Search</i>” button.</li> </ol>
<b>Result 2</b>	<p>The <i>Organisations</i> table displays a record with the information:</p> <p>Name: <b>protractorOrg</b> Description: <b>new org description</b> Nation: <b>EEC</b></p>
<b>8. Step/Action3</b>	To activate the “ <i>Pencil icon</i> ” button in the record.
<b>Result 3</b>	<p>The “<i>Edit Organisation</i>” panel opens and contains the values:</p> <p>Name: <b>protractorOrg</b> Description: <b>new org description</b> Nation: <b>EEC</b> Status: <b>Enabled</b> Email: <b>newOrg@email.com</b></p>
<b>9. Step/Action4</b>	<ol style="list-style-type: none"> <li>1. To change the value in the “<i>Edit Organisation</i>” panel:</li> </ol>

	Name: <b>protractorUpdatedOrg</b>  2. Activate the “Save” button.
<b>Result 4</b>	The “Edit Organisation” panel displays a successful message and closes.
<b>10. Step/Action5</b>	1. To refresh the <i>Organisations</i> page. 2. In the <i>Organisations</i> search panel to introduce the values:  Name: <b>protractorUpdatedOrg</b> Nation: <b>EEC</b> Status: <b>Enabled</b>  2. Activate the “Search” button.
<b>Result 5</b>	The <i>Organisations</i> table displays a record with the information:  Name: <b>protractorUpdatedOrg</b> Description: <b>new org description</b> Nation: <b>EEC</b>
<b>11. Test case Execution Time</b>	10 seconds
<b>12. Execution scripts</b>	
<b>13. Test environments</b>	Acceptance

#### 2.7.5. TC23 Test the delete of an Organisation

<b>1. Test Case ID</b>	TC23
<b>2. Title</b>	Test the delete of an Organisation
<b>3. Description</b>	Test the delete of an Organisation with the Delete Organisation panel.
<b>4. Test objective :</b>	USM-11 Manage organisations
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Create organization
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test administrator user and the test user are well defined in the data base. 2. TC21 and TC22 must be executed first. 3. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.

<b>6. Step/Action1</b>	<p>1. Log in the USM portal with the username and password:</p> <p>Username: <b>usm_admin</b> Password: <b>password</b></p> <p>2. Choose the <b>USM-User Manager - (no scope)</b> context.</p> <p>3. To select the <i>Organisations</i> option in the Menu.</p>
<b>Result 1</b>	<p>The user successfully enters in USM portal with the profile of User Manager.</p> <p>The <i>Organisations</i> table is displayed.</p>
<b>7. Step/Action2</b>	<p>1. To introduce in the <i>Organisations</i> search panel the values:</p> <p>Name: <b>protractorUpdatedOrg</b> Nation: <b>EEC</b> Status: <b>Enabled</b></p> <p>2. Activate the “<i>Search</i>” button.</p>
<b>Result 2</b>	The <i>Organisations</i> table displays a record with the corresponding values.
<b>8. Step/Action3</b>	To activate the “ <i>Cross Red icon</i> ” button in the record.
<b>Result 3</b>	<p>The “<i>Delete Organisation</i>” panel opens. It contains the values:</p> <p>Name: <b>protractorUpdatedOrg</b> Description: <b>new org description</b> Nation: <b>EEC</b> Status: <b>Enabled</b> Email: <b>newOrg@email.com</b></p>
<b>9. Step/Action4</b>	Activate the “ <i>Delete</i> ” button in the “ <i>Delete Organisation</i> ” panel.
<b>Result 4</b>	The “ <i>Delete Organisation</i> ” panel displays a Warning message that the operation may be confirmed.
<b>10. Step/Action5</b>	Activate the “ <i>Confirm</i> ” button in the “ <i>Delete Organisation</i> ” panel.
<b>Result 5</b>	The “ <i>Delete Organisation</i> ” panel displays a successful message. The record does not exist anymore in the <i>Organisations</i> table.
<b>11. Test case Execution Time</b>	10 seconds
<b>12. Execution scripts</b>	
<b>13. Test environments</b>	Acceptance



### 2.7.6. TC24 Test create a new Channel

1. Test Case ID	TC24
2. Title	Test create a new Channel
3. Description	Test the creation of a Channel for an Organisation.
4. Test objective :	USM-11 Manage organisations
a. User Story	
b. Functional requirement	Manage endpoints with organizations
c. Business Rule	
d. Non-Functional requirement	
5. Pre Condition(s)	<p>1. The test administrator user and the test user are well defined in the data base.</p> <p>2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.</p>
6. Step/Action1	<p>1. Log in the USM portal with the username and password:</p> <p>Username: <b>usm_admin</b> Password: <b>password</b></p> <p>2. Choose the <b>USM-User Manager - (no scope)</b> context.</p> <p>3. To select the <i>Organisations</i> option in the Menu.</p>
Result 1	<p>The user successfully enters in USM portal with the profile of User Manager.</p> <p>The <i>Organisations</i> table is displayed.</p>
7. Step/Action2	<p>1. To introduce in the <i>Organisations</i> search panel the values:</p> <p>Name: <b>FRA</b> Nation: <b>FRA</b> Status: <b>Enabled</b></p> <p>2. Activate the “<i>Search</i>” button.</p>
Result 2	<p>The <i>Organisations</i> table displays a record with the information:</p> <p>Name: <b>FRA</b> Description: <b>French ministry of agriculture</b> Nation: <b>FRA</b></p>
8. Step/Action3	To activate the “ <i>Eye icon</i> ” button in the record of the <i>Organisations</i> table.
Result 3	The “ <i>Organisation Details</i> ” page opens. In the <i>Endpoints</i> table two records appear with the following information:

	<p><u>First record:</u>  Name: <b>FLUX.FRA</b>  Description: <b>Main FLUX node for France</b>  URI: <b>http://main.flux.fr/</b></p> <p><u>Second record:</u>  Name: <b>FLUX.FRA_backup</b>  Description: <b>Backup FLUX node for France</b>  URI: <b>http://backup.flux.fr/</b></p>
<b>9. Step/Action4</b>	To activate the “ <i>Eye icon</i> ” button in the first record of the <i>Endpoints</i> table
<b>Result 4</b>	The <i>Endpoint</i> page appears. In the <i>Communication Channels</i> table there is no record.
<b>10. Step/Action5</b>	To press the “ <i>New</i> ” button in the <i>Communication Channels</i> table.
<b>Result 5</b>	The “ <i>New Channel</i> ” panel opens.
<b>11. Step/Action6</b>	<p>1.Introduce in the “<i>New Channel</i>” panel the values:</p> <p>Dataflow: <b>new test dataflow</b>  Service: <b>new test service</b>  Priority: <b>10</b></p> <p>2. Activate the “<i>Save</i>” button.</p>
<b>Result 6</b>	The “ <i>New Channel</i> ” panel shows a successful message.
<b>14. Test case Execution Time</b>	10 seconds
<b>15. Execution scripts</b>	
<b>16. Test environments</b>	Acceptance

#### 2.7.7. TC25 Test the modification of a Channel

<b>1. Test Case ID</b>	TC25
<b>2. Title</b>	Test the modification a Channel
<b>3. Description</b>	Test the modification of a Channel with the Edit Channel panel.
<b>4. Test objective :</b>	USM-11 Manage organisations
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Manage endpoints with organizations

<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	<p>1. The test administrator user is well defined in the data base.</p> <p>2. TC24 must be executed first.</p> <p>3. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.</p>
<b>6. Step/Action1</b>	<p>1. Log in the USM portal with the username and password:</p> <p>Username: <b>usm_admin</b> Password: <b>password</b></p> <p>2. Choose the <b>USM-User Manager - (no scope)</b> context.</p> <p>3. To select the <i>Organisations</i> option in the Menu.</p>
<b>Result 1</b>	<p>The user successfully enters in USM portal with the profile of User Manager.</p> <p>The <i>Organisations</i> table is displayed.</p>
<b>7. Step/Action2</b>	<p>1. To introduce in the <i>Organisations</i> search panel the values:</p> <p>Name: <b>FRA</b> Nation: <b>FRA</b> Status: <b>Enabled</b></p> <p>2. Activate the “<i>Search</i>” button.</p>
<b>Result 2</b>	<p>The <i>Organisations</i> table displays a record with the information:</p> <p>Name: <b>FRA</b> Description: <b>French ministry of agriculture</b> Nation: <b>FRA</b></p>
<b>8. Step/Action3</b>	To activate the “ <i>Eye icon</i> ” button in the record of the <i>Organisations</i> table.
<b>Result 3</b>	<p>The “<i>Organisation Details</i>” page opens. In the <i>Endpoints</i> table two records with the following information appear:</p> <p><u>First record:</u> Name: <b>FLUX.FRA</b> Description: <b>Main FLUX node for France</b> URI: <b>http://main.flux.fr/</b></p> <p><u>Second record:</u> Name: <b>FLUX.FRA_backup</b> Description: <b>Backup FLUX node for France</b> URI: <b>http://backup.flux.fr/</b></p>
<b>9. Step/Action4</b>	To activate the “ <i>Eye icon</i> ” button in the first record of the <i>Endpoints</i> table
<b>Result 4</b>	The <i>Endpoint</i> page appears. In the <i>Communication Channels</i> table there is a record.

<b>10. Step/Action5</b>	To press the “ <i>Pencil icon</i> ” button in the record of the <i>Communication Channels</i> table.
<b>Result 5</b>	The “ <i>Edit Channel</i> ” panel opens. It contains the values:  Dataflow: <b>new test dataflow</b> Service: <b>new test service</b> Priority: <b>10</b>
<b>11. Step/Action6</b>	1. To change the value in the “ <i>Edit Channel</i> ” panel:  Dataflow: <b>mod</b> Service: <b>mod</b> Priority: <b>99</b>  2. Activate the “ <i>Save</i> ” button.
<b>Result 6</b>	The “ <i>Edit Channel</i> ” panel shows a successful message.
<b>12. Test case Execution Time</b>	10 seconds
<b>13. Execution scripts</b>	
<b>14. Test environments</b>	Acceptance

#### 2.7.8. TC26 Test the delete of a Channel

<b>1. Test Case ID</b>	TC26
<b>2. Title</b>	Test the delete a Channel
<b>3. Description</b>	Test the delete of a Channel with the Delete Channel panel.
<b>4. Test objective :</b>	USM-11 Manage organisations
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Manage endpoints with organizations
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test administrator user is well defined in the data base. 2. TC24 must be executed first. 3. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b>

	Password: <b>password</b>  2. Choose the <b>USM-User Manager - (no scope)</b> context.  3. To select the <i>Organisations</i> option in the Menu.
<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager. The <i>Organisations</i> table is displayed.
<b>7. Step/Action2</b>	1. To introduce in the <i>Organisations</i> search panel the values:  Name: <b>FRA</b> Nation: <b>FRA</b> Status: <b>Enabled</b>  2. Activate the “ <i>Search</i> ” button.
<b>Result 2</b>	The <i>Organisations</i> table displays a record with the corresponding values.
<b>8. Step/Action3</b>	To activate the “ <i>Eye icon</i> ” button in the record of the <i>Organisations</i> table.
<b>Result 3</b>	The “ <i>Organisation Details</i> ” page opens. In the <i>Endpoints</i> table two records with the following information appear:  <u>First record:</u> Name: <b>FLUX.FRA</b> Description: <b>Main FLUX node for France</b> URI: <b>http://main.flux.fr/</b>  <u>Second record:</u> Name: <b>FLUX.FRA_backup</b> Description: <b>Backup FLUX node for France</b> URI: <b>http://backup.flux.fr/</b>
<b>9. Step/Action4</b>	To activate the “ <i>Eye icon</i> ” button in the first record of the <i>Endpoints</i> table
<b>Result 4</b>	The <i>Endpoint</i> page appears. In the <i>Communication Channels</i> table there is a record.
<b>10. Step/Action5</b>	To press the “ <i>Cross Red icon</i> ” button in the record of the <i>Communication Channels</i> table.
<b>Result 5</b>	The “ <i>Delete Channel</i> ” panel opens. It contains the values:  Dataflow: <b>mod</b> Service: <b>mod</b> Priority: <b>99</b>
<b>11. Step/Action6</b>	Activate the “ <i>Delete</i> ” button in the “ <i>Delete Channel</i> ” panel.
<b>Result 6</b>	The “ <i>Delete Channel</i> ” panel displays panel displays a Warning message that the operation may be confirmed.

<b>12. Step/Action6</b>	Activate the “ <i>Confirm</i> ” button in the “ <i>Delete Organisation</i> ” panel.
<b>Result 6</b>	The “ <i>Delete Channel</i> ” panel displays a successful message.
<b>13. Test case Execution Time</b>	10 seconds
<b>14. Execution scripts</b>	
<b>15. Test environments</b>	Acceptance

### 2.7.9. TC27 Test create a new Contact

<b>1. Test Case ID</b>	TC27
<b>2. Title</b>	Test create a new Contact
<b>3. Description</b>	Test the creation of a Contact for an Organisation.
<b>4. Test objective :</b>	USM-11 Manage organisations
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Manage contacts with organizations
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test administrator user and the test user are well defined in the data base. 2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b>  2. Choose the <b>USM-User Manager - (no scope)</b> context.  3. To select the <i>Organisations</i> option in the Menu.
<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager. The <i>Organisations</i> table is displayed.
<b>7. Step/Action2</b>	1. To introduce in the <i>Organisations</i> search panel the values:  Name: <b>FRA</b> Nation: <b>FRA</b>

	Status: <b>Enabled</b>
	2. Activate the “ <i>Search</i> ” button.
<b>Result 2</b>	The <i>Organisations</i> table displays a record with the information:  Name: <b>FRA</b> Description: <b>French ministry of agriculture</b> Nation: <b>FRA</b>
<b>8. Step/Action3</b>	To activate the “ <i>Eye icon</i> ” button in the record of the <i>Organisations</i> table.
<b>Result 3</b>	The “ <i>Organisation Details</i> ” page opens. In the <i>Endpoints</i> table two records appear with the following information:  <u>First record:</u> Name: <b>FLUX.FRA</b> Description: <b>Main FLUX node for France</b> URI: <b><a href="http://main.flux.fr/">http://main.flux.fr/</a></b>  <u>Second record:</u> Name: <b>FLUX.FRA_backup</b> Description: <b>Backup FLUX node for France</b> URI: <b><a href="http://backup.flux.fr/">http://backup.flux.fr/</a></b>
<b>9. Step/Action4</b>	To activate the “ <i>Eye icon</i> ” button in the first record of the <i>Endpoints</i> table
<b>Result 4</b>	The <i>Endpoint</i> page appears with two tabs: the <i>Communication Channels</i> tab and the <i>Contacts</i> tab.
<b>10. Step/Action5</b>	To press the <i>Contacts</i> tab.
<b>Result 5</b>	The <i>Contacts</i> table appears and does not contain any record.
<b>11. Step/Action6</b>	To press the “ <i>New</i> ” button in the <i>Contacts</i> table.
<b>Result 6</b>	The “ <i>Assign Contact</i> ” panel opens.
<b>12. Step/Action7</b>	1.Introduce in the “ <i>Assign Contact</i> ” panel the values:  Contact Person: <b>Mary Flux</b> <a href="mailto:mary.flux@mail.eu">mary.flux@mail.eu</a>  2. Activate the “ <i>Save</i> ” button
<b>Result 7</b>	The “ <i>Assign Contact</i> ” panel shows a successful message of <b>Contact assigned</b>
<b>13. Test case Execution Time</b>	10 seconds
<b>14. Execution scripts</b>	
<b>15. Test environments</b>	Acceptance

### 2.7.10. TC28 Test the delete of a Contact

<b>1. Test Case ID</b>	TC28
<b>2. Title</b>	Test the delete of a Contact
<b>3. Description</b>	Test the delete of a Contact with the Delete Contact panel.
<b>4. Test objective :</b>	USM-11 Manage organisations
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Manage endpoints with organizations
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test administrator user is well defined in the data base. 2. TC27 must be executed first. 3. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b>  2. Choose the <b>USM-User Manager - (no scope)</b> context.  3. To select the <i>Organisations</i> option in the Menu.
<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager. The <i>Organisations</i> table is displayed.
<b>7. Step/Action2</b>	1. To introduce in the <i>Organisations</i> search panel the values:  Name: <b>FRA</b> Nation: <b>FRA</b> Status: <b>Enabled</b>  2. Activate the “ <i>Search</i> ” button.
<b>Result 2</b>	The <i>Organisations</i> table displays a record with the information:  Name: <b>FRA</b> Description: <b>French ministry of agriculture</b> Nation: <b>FRA</b>
<b>8. Step/Action3</b>	To activate the “ <i>Eye icon</i> ” button in the record of the <i>Organisations</i> table.



<b>Result 3</b>	<p>The “<i>Organisation Details</i>” page opens. In the <i>Endpoints</i> table two records with the following information appear:</p> <p><u>First record:</u>  Name: <b>FLUX.FRA</b>  Description: <b>Main FLUX node for France</b>  URI: <b>http://main.flux.fr/</b></p> <p><u>Second record:</u>  Name: <b>FLUX.FRA_backup</b>  Description: <b>Backup FLUX node for France</b>  URI: <b>http://backup.flux.fr/</b></p>
<b>9. Step/Action4</b>	To activate the “ <i>Eye icon</i> ” button in the first record of the <i>Endpoints</i> table
<b>Result 4</b>	The <i>Endpoint</i> page appears with two tabs: the <i>Communication Channels</i> tab and the <i>Contacts</i> tab.
<b>10. Step/Action5</b>	To press the <i>Contacts</i> tab.
<b>Result 5</b>	The <i>Contacts</i> table appears and contains a record.
<b>11. Step/Action6</b>	To press the “ <i>Cross Red icon</i> ” button in the record of the <i>Contacts</i> table.
<b>Result 6</b>	The “ <i>Remove Contact</i> ” panel opens
<b>12. Step/Action7</b>	Activate the “ <i>Delete</i> ” button in the “ <i>Remove Contact</i> ” panel.
<b>Result 7</b>	The “ <i>Remove Contact</i> ” panel displays panel displays a Warning message that the operation may be confirmed.
<b>13. Step/Action8</b>	Activate the “ <i>Confirm</i> ” button in the “ <i>Remove Contact</i> ” panel.
<b>Result 8</b>	The “ <i>Remove Contact</i> ” panel displays a successful message of <b>Contact removed.</b>
<b>14. Test case Execution Time</b>	10 seconds
<b>15. Execution scripts</b>	
<b>16. Test environments</b>	Acceptance

### 2.7.11. TC29 Test create a new Endpoint

<b>1. Test Case ID</b>	TC29
<b>2. Title</b>	Test create a new Endpoint

<b>3. Description</b>	Test the creation of an Endpoint for an Organisation.
<b>4. Test objective :</b>	USM-11 Manage organisations
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Manage endpoints with organizations
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test administrator user is well defined in the data base. 2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b>  2. Choose the <b>USM-User Manager - (no scope)</b> context.  3. To select the <i>Organisations</i> option in the Menu.
<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager. The <i>Organisations</i> table is displayed.
<b>7. Step/Action2</b>	1. To introduce in the <i>Organisations</i> search panel the values:  Name: <b>FRA</b> Nation: <b>FRA</b> Status: <b>Enabled</b>  2. Activate the “ <i>Search</i> ” button.
<b>Result 2</b>	The <i>Organisations</i> table displays a record with the information:  Name: <b>FRA</b> Description: <b>French ministry of agriculture</b> Nation: <b>FRA</b>
<b>8. Step/Action3</b>	To activate the “ <i>Eye icon</i> ” button in the record of the <i>Organisations</i> table.
<b>Result 3</b>	The “ <i>Organisation Details</i> ” page opens. In the <i>Endpoints</i> table two records appear with the following information:  <u>First record:</u> Name: <b>FLUX.FRA</b> Description: <b>Main FLUX node for France</b> URI: <b>http://main.flux.fr/</b>  <u>Second record:</u>

	Name: <b>FLUX.FRA_backup</b> Description: <b>Backup FLUX node for France</b> URI: <b><a href="http://backup.flux.fr/">http://backup.flux.fr/</a></b>
<b>9. Step/Action4</b>	To activate the “New” button in the <i>Endpoints</i> table
<b>Result 4</b>	The “New Endpoint” panel is opened.
<b>10. Step/Action5</b>	1.Introduce in the “New Endpoint” panel the values:  Name: <b>AAA</b> Description: <b>Description TestNumber5</b> URI: <b>URI test</b> Email: <b><a href="mailto:aa@aa.es">aa@aa.es</a></b> Status: <b>Enabled</b>  2. Activate the “Save” button.
<b>Result 5</b>	The “New Endpoint” panel shows a successful message of <b>New Endpoint created</b>
<b>11. Test case Execution Time</b>	10 seconds
<b>12. Execution scripts</b>	
<b>13. Test environments</b>	Acceptance

#### 2.7.12. TC30 Test the modification of an Endpoint

<b>1. Test Case ID</b>	TC30
<b>2. Title</b>	Test the modification an Endpoint
<b>3. Description</b>	Test the modification of an Endpoint with the Edit Endpoint panel.
<b>4. Test objective :</b>	USM-11 Manage organisations
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Manage endpoints with organizations
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test administrator user is well defined in the data base. 2. TC29 must be executed first. 2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b>

	<p>Password: <b>password</b></p> <p>2. Choose the <b>USM-User Manager - (no scope)</b> context.</p> <p>3. Select the <i>Organisations</i> option in the menu.</p>
<b>Result 1</b>	<p>The user successfully enters in USM portal with the profile of User Manager.</p> <p>The <i>Organisations</i> table is displayed.</p>
<b>7. Step/Action2</b>	<p>1. To introduce in the <i>Organisations</i> search panel the values:</p> <p>Name: <b>FRA</b>  Nation: <b>FRA</b>  Status: <b>Enabled</b></p> <p>2. Activate the “<i>Search</i>” button.</p>
<b>Result 2</b>	<p>The <i>Organisations</i> table displays a record with the information:</p> <p>Name: <b>FRA</b>  Description: <b>French ministry of agriculture</b>  Nation: <b>FRA</b></p>
<b>8. Step/Action3</b>	<p>To activate the “<i>Eye icon</i>” button in the record of the <i>Organisations</i> table.</p>
<b>Result 3</b>	<p>The “<i>Organisation Details</i>” page opens. In the <i>Endpoints</i> table two records with the following information appear:</p> <p><u>First record:</u>  Name: <b>AAA</b>  Description: <b>Description TestNumber5</b>  URI: <b>URI test</b>  Email : <b>aa@aa.es</b></p> <p><u>Second record:</u>  Name: <b>FLUX.FRA</b>  Description: <b>Main FLUX node for France</b>  URI: <b>http://main.flux.fr/</b></p> <p><u>Third record:</u>  Name: <b>FLUX.FRA_backup</b>  Description: <b>Backup FLUX node for France</b>  URI: <b>http://backup.flux.fr/</b></p>
<b>9. Step/Action4</b>	<p>To activate the “<i>Pencil icon</i>” button in the first record of the <i>Endpoints</i> table.</p>
<b>Result 4</b>	<p>The “<i>Edit Endpoint</i>” panel opens. It contains the values:</p> <p>Priority: <b>10</b>  Name: <b>AAA</b>  Description: <b>Description TestNumber5</b></p>

	URI: <b>URI test</b> Email: <b>aa@aa.es</b>
<b>10. Step/Action5</b>	1. To change the value in the “ <i>Edit Channel</i> ” panel:  Description: <b>Description TestNumber5 Mod</b> URI: <b>URI test Mod</b>  2. Activate the “ <i>Save</i> ” button.
<b>Result 5</b>	The “ <i>Edit Channel</i> ” panel shows a successful message of <b>Endpoint changes saved</b>
<b>11. Test case Execution Time</b>	10 seconds
<b>12. Execution scripts</b>	
<b>13. Test environments</b>	Acceptance

### 2.7.13. TC31 Test the delete of an Endpoint

<b>1. Test Case ID</b>	TC31
<b>2. Title</b>	Test the delete a Channel
<b>3. Description</b>	Test the delete of a Channel with the Delete Channel panel.
<b>4. Test objective :</b>	USM-11 Manage organisations
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Manage endpoints with organizations
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test administrator user is well defined in the data base. 2. TC29 and TC30 must be executed first. 2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b>  2. Choose the <b>USM-User Manager – (No Scope)</b> Context.  3. Select the <i>Organisations</i> option in the menu.
<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager.

	The <i>Organisations</i> table is displayed.
<b>7. Step/Action2</b>	<p>1. To introduce in the <i>Organisations</i> search panel the values:</p> <p>Name: <b>FRA</b>  Nation: <b>FRA</b>  Status: <b>Enabled</b></p> <p>2. Activate the “<i>Search</i>” button.</p>
<b>Result 2</b>	<p>The <i>Organisations</i> table displays a record with the information:</p> <p>Name: <b>FRA</b>  Description: <b>French ministry of agriculture</b>  Nation: <b>FRA</b></p>
<b>8. Step/Action3</b>	To activate the “ <i>Eye icon</i> ” button in the record of the <i>Organisations</i> table.
<b>Result 3</b>	<p>The “<i>Organisation Details</i>” page opens. In the <i>Endpoints</i> table three records with the following information appear:</p> <p><u>First record:</u>  Name: <b>AAA</b>  Description: <b>Description TestNumber5 Mod</b>  URI: <b>URI test Mod</b>  Email : <a href="mailto:aa@aa.es">aa@aa.es</a></p> <p><u>Second record:</u>  Name: <b>FLUX.FRA</b>  Description: <b>Main FLUX node for France</b>  URI: <b><a href="http://main.flux.fr/">http://main.flux.fr/</a></b></p> <p><u>Third record:</u>  Name: <b>FLUX.FRA_backup</b>  Description: <b>Backup FLUX node for France</b>  URI: <b><a href="http://backup.flux.fr/">http://backup.flux.fr/</a></b></p>
<b>9. Step/Action4</b>	To activate the “ <i>Cross Red icon</i> ” button in the record of the <i>Endpoints</i> table.
<b>Result 4</b>	The “ <i>Delete Endpoint</i> ” panel opens.
<b>10. Step/Action5</b>	Activate the “ <i>Delete</i> ” button in the “ <i>Delete Endpoint</i> ” panel.
<b>Result 5</b>	The “ <i>Delete Endpoint</i> ” panel displays a Warning message that the operation may be confirmed.
<b>11. Step/Action6</b>	Activate the “ <i>Confirm</i> ” button in the “ <i>Delete Endpoint</i> ” panel.
<b>Result 6</b>	The “ <i>Delete Endpoint</i> ” panel displays a successful message.
<b>12. Test case Execution Time</b>	10 seconds

13. Execution scripts	
14. Test environments	Acceptance

## 2.8. Test roles

### 2.8.1. TC32 Test view roles

1. Test Case ID	TC32
2. Title	Test view roles
3. Description	Test roles search filters in the main page of Roles.
4. Test objective :	USM-15 View role
a. User Story	
b. Functional requirement	Create and edit user roles
c. Business Rule	
d. Non-Functional requirement	
5. Pre Condition(s)	1. The test administrator user and the test user are well defined in the data base. 2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.
6. Step/Action1	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b>  2. Choose the <b>USM-User Manager - (no scope)</b> context.  3. To select the <i>Roles</i> option in the menu.
Result 1	The user successfully enters in USM portal with the profile of User Manager. The main table of <i>Roles</i> is displayed.
7. Step/Action2	1. To introduce in the <i>Roles</i> search panel the values: Role: <b>SM</b> Application: <b>USM</b> Status: <b>Enabled</b>  2. Activate the “ <i>Search</i> ” button.
Result 2	The <i>Roles</i> table displays different records with the information:  Name: <b>contain the sequence of characters ‘SM’</b>

	Status: <b>Enabled</b>
<b>8. Test case Execution Time</b>	5 seconds
<b>9. Execution scripts</b>	
<b>10. Test environments</b>	Acceptance

### 2.8.2. TC33 Test view role details

<b>1. Test Case ID</b>	TC33
<b>2. Title</b>	Test view role details
<b>3. Description</b>	Test view role details.
<b>4. Test objective :</b>	USM-15 View role
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Create and edit user roles
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test administrator user and the test user are well defined in the data base. 2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b>  2. Choose the <b>USM-User Manager - (no scope)</b> context.  3. Select the <i>Roles</i> option in the Menu.
<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager. The main table of <i>Roles</i> is displayed.
<b>7. Step/Action2</b>	1. Select randomly a row in the <i>Roles</i> table. 2. Retrieve the <i>Name</i> and <i>Application</i> of the selected record in the <i>Roles</i> table. 3. Select the “ <i>Eye icon</i> ” button.



<b>Result 2</b>	The “ <i>Roles details</i> ” page is opened. The <i>Role name</i> and <i>Application</i> values displayed in the page are the same values as the retrieved ones from the <i>Roles</i> table.
<b>8. Test case Execution Time</b>	5 seconds
<b>9. Execution scripts</b>	
<b>10. Test environments</b>	Acceptance

### 2.8.3. TC34 Test create a Role

<b>1. Test Case ID</b>	TC34
<b>2. Title</b>	Test create a Role
<b>3. Description</b>	Test the creation of a new Role.
<b>4. Test objective :</b>	USM-16 Manage roles
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Create and edit user roles Define dynamic roles
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test administrator user and the test user are well defined in the data base. 2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b>  2. Choose the <b>USM-User Manager - (no scope)</b> context.  3. To select the <i>Roles</i> option in the Menu.
<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager. The <i>Roles</i> table is displayed.
<b>7. Step/Action2</b>	To press the “ <i>New Role</i> ” button in the <i>Roles</i> table.
<b>Result 2</b>	The “ <i>New Role</i> ” panel opens.

<b>8. Step/Action3</b>	<p>1.Introduce in the “<i>New Role</i>” panel the values:</p> <p>Name: <b>protractorRole</b>  Description: <b>empty</b>  Status: <b>Enabled</b></p> <p>2. Activate the “<i>Save</i>” button.</p>
<b>Result 3</b>	<p>The “<i>New Role</i>” panel displays a successful message and closes.</p> <p>A new record for the new Role is created in the <i>Roles</i> table and can be searched.</p>
<b>9. Test case Execution Time</b>	10 seconds
<b>10. Execution scripts</b>	
<b>11. Test environments</b>	Acceptance

#### 2.8.4. TC35 Test the modification of a Role

<b>1. Test Case ID</b>	TC35
<b>2. Title</b>	Test the modification of a Role
<b>3. Description</b>	Test the modification of a Role with the Edit Role panel.
<b>4. Test objective :</b>	USM-16 Manage roles
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Create and edit user roles Define dynamic roles
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	<p>1. The test administrator user and the test user are well defined in the data base.</p> <p>2. TC34 must be executed first.</p> <p>3. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.</p>
<b>6. Step/Action1</b>	<p>1. Log in the USM portal with the username and password:</p> <p>Username: <b>usm_admin</b>  Password: <b>password</b></p> <p>2. Choose the <b>USM-User Manager - (no scope)</b> context.</p> <p>3. To select the <i>Roles</i> option in the Menu.</p>

<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager. The <i>Roles</i> table is displayed.
<b>7. Step/Action2</b>	1. To introduce in the <i>Roles</i> search panel the values:  Name: <b>protractorRole</b> Description: <b>protractorRoleDescription</b> Status: <b>Enabled</b>  2. Activate the “ <i>Search</i> ” button.
<b>Result 2</b>	The <i>Roles</i> table displays a record with the corresponding values.
<b>8. Step/Action3</b>	To activate the “ <i>Pencil icon</i> ” button in the record.
<b>Result 3</b>	The “ <i>Edit Role</i> ” panel opens and contains the values:  Name: <b>protractorRole</b> Description: <b>protractorRoleDescription</b> Status: <b>Enabled</b>
<b>9. Step/Action4</b>	1. To change the value in the “ <i>Edit Role</i> ” panel:  Name: <b>protractorUpdatedRole</b>  2. Activate the “ <i>Save</i> ” button.
<b>Result 4</b>	The “ <i>Edit Role</i> ” panel displays a successful message and closes.
<b>10. Step/Action5</b>	1. To refresh the <i>Roles</i> page. 2. In the <i>Roles</i> search panel to introduce the values:  Name: <b>protractorUpdatedRole</b> Description: <b>protractorRoleDescription</b> Status: <b>Enabled</b>  2. Activate the “ <i>Search</i> ” button.
<b>Result 5</b>	The <i>Roles</i> table displays a record with the information:  Name: <b>protractorUpdatedRole</b> Description: <b>protractorRoleDescription</b> Status: <b>Enabled</b>
<b>11. Test case Execution Time</b>	10 seconds
<b>12. Execution scripts</b>	
<b>13. Test environments</b>	Acceptance

### 2.8.6. TC36 Test the delete of a Role

<b>1. Test Case ID</b>	TC36
<b>2. Title</b>	Test the delete of a Role
<b>3. Description</b>	Test the delete of a Role with the Delete Role panel.
<b>4. Test objective :</b>	USM-16 Manage roles
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Create and edit user roles Define dynamic roles
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test administrator user and the test user are well defined in the data base. 2. TC34 and TC35 must be executed first.  2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b>  2. Choose the <b>USM-User Manager - (no scope)</b> context.  3. To select the <i>Roles</i> option in the Menu.
<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager. The <i>Roles</i> table is displayed.
<b>7. Step/Action2</b>	1. To introduce in the <i>Roles</i> search panel the values:  Name: <b>protractorUpdatedRole</b> Description: <b>protractorRoleDescription</b> Status: <b>Enabled</b>  2. Activate the “ <i>Search</i> ” button.
<b>Result 2</b>	The <i>Roles</i> table displays a record with the corresponding values.
<b>8. Step/Action3</b>	To activate the “ <i>Cross Red icon</i> ” button in the record.
<b>Result 3</b>	The “ <i>Delete Role</i> ” panel opens. It contains the values:  Name: <b>protractorUpdatedRole</b>

	Description: <b>protractorRoleDescription</b> Status: <b>Enabled</b>
<b>9. Step/Action4</b>	Activate the “Delete” button in the “Delete Role” panel.
<b>Result 4</b>	The “Delete Role” panel displays a Warning message that the operation may be confirmed.
<b>10. Step/Action5</b>	Activate the “Confirm” button in the “Delete Role” panel.
<b>Result 5</b>	The “Delete Role” panel displays a successful message. The record does not exist anymore in the <i>Roles</i> table.
<b>11. Test case Execution Time</b>	10 seconds
<b>12. Execution scripts</b>	
<b>13. Test environments</b>	Acceptance

## 2.9. Test applications

### 2.9.1. TC37 Test view applications

<b>1. Test Case ID</b>	TC37
<b>2. Title</b>	Test view applications
<b>3. Description</b>	Test view applications and their details.
<b>4. Test objective :</b>	USM-08 View applications
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Create and manage DB functions and procedures
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test administrator user and the test user are well defined in the data base. 2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b>  2. Choose the <b>USM-User Manager - (no scope)</b> context.

	3. To select the <i>Applications</i> option in the Menu.
<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager. The main table of <i>Applications</i> is displayed.
<b>7. Step/Action2</b>	1. To introduce in the <i>Applications</i> search panel the value:  Name: <b>USM</b>  2. Activate the “ <i>Search</i> ” button.
<b>Result 2</b>	The “ <i>Applications</i> ” table displays records with the values:  Name: contains the string of characters ‘USM’ Description: contains the string of characters ‘User Security Management Component’
<b>8. Step/Action3</b>	To activate the “ <i>Eye icon</i> ” button in the first record of the <i>Applications</i> table.
<b>Result 3</b>	The “ <i>Application Details</i> ” page opens. In the page the <i>Name</i> of the application is USM.
<b>9. Test case Execution Time</b>	5 seconds
<b>10. Execution scripts</b>	
<b>11. Test environments</b>	Acceptance

## 2.10. Test policies

### 2.10.1. TC38 Test view policies

<b>1. Test Case ID</b>	TC38
<b>2. Title</b>	Test view policies
<b>3. Description</b>	Test view applications and their details.
<b>4. Test objective :</b>	SEC-09 Configure pwd policy
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Make expiration period configurable Make password expiration warning behaviour configurable Make password requirements and complexity settings configurable Make the number of log-on attempts configurable Provide a secondary challenge (This one is out of scope of SEC-09)

<b>c. Business Rule</b> <b>d. Non-Functional requirement</b>	Reset password at expiration Make password history limitations configurable
<b>5. Pre Condition(s)</b>	1. The test administrator user and the test user are well defined in the data base. 2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b>  2. Choose the <b>USM-User Manager - (no scope)</b> context.  3. To select the <i>Policies</i> option in the Menu.
<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager. The main table of <i>Policies</i> is displayed.
<b>7. Step/Action2</b>	1. To introduce in the <i>Policies</i> search panel the values:  Name search: <b>account.lockoutDuration</b> Subject: <b>Authentication</b>  2. Activate the “ <i>Search</i> ” button.
<b>Result 2</b>	The “ <i>Policies</i> ” table displays a record with the corresponding values.
<b>8. Test case Execution Time</b>	5 seconds
<b>9. Execution scripts</b>	
<b>10. Test environments</b>	Acceptance

## 2.11. Test User Roles

### 2.11.1. TC39 Test view User Roles

<b>1. Test Case ID</b>	TC39
<b>2. Title</b>	Test view User Roles
<b>3. Description</b>	Test view User Roles.

<b>4. Test objective :</b>	USM-17 Manage User Context
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Add permissions Assign roles to users
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test administrator user and the test user are well defined in the data base. 2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b>  2. Choose the <b>USM-User Manager - (no scope)</b> context.  3. To select the <i>Users</i> option in the Menu.
<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager. The main table of <i>Users</i> is displayed.
<b>7. Step/Action2</b>	1. To introduce in the <i>Users</i> search panel the value:  Name search: <b>vms_user</b>  2. Activate the “ <i>Search</i> ” button.
<b>Result 2</b>	The <i>Users</i> table displays a record with the corresponding value.
<b>8. Test case Execution Time</b>	5 seconds
<b>9. Execution scripts</b>	
<b>10. Test environments</b>	Acceptance

#### 2.11.2. TC40 Test create a new User Context

<b>1. Test Case ID</b>	TC40
<b>2. Title</b>	Test view User Context
<b>3. Description</b>	Test view User Context



<b>4. Test objective :</b>	USM-17 Manage User Context
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Add permissions Assign roles to users
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test administrator user and the test user are well defined in the data base. 2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b>  2. Choose the <b>USM-User Manager - (no scope)</b> context.  3. To select the <i>Users</i> option in the Menu.
<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager. The main table of <i>Users</i> is displayed.
<b>7. Step/Action2</b>	1. To introduce in the <i>Users</i> search panel the value:  Name search: <b>vms_user</b>  2. Activate the “ <i>Search</i> ” button.
<b>Result 2</b>	The <i>Users</i> table displays a record with the corresponding value.
<b>8. Step/Action3</b>	To activate the “ <i>Eye icon</i> ” button in the record of the <i>Users</i> table.
<b>Result 3</b>	The “ <i>Users Details</i> ” page opens. It contains three tabs: - <i>Contact and Status Details</i> tab. - <i>Contexts</i> tab. - <i>Preferences</i> tab.
<b>9. Step/Action4</b>	To press the <i>Contexts</i> tab.
<b>Result 4</b>	The <i>Contexts</i> table appears.
<b>9. Step/Action4</b>	To press the “ <i>New</i> ” button in the <i>Contexts</i> table.
<b>Result 4</b>	The “ <i>Add User Context</i> ” panel opens.
<b>10. Step/Action5</b>	1.Introduce in the “ <i>Add User Context</i> ” panel the values:  Role: Super User

	Scope: Some Reports  2. Activate the “ <i>Save</i> ” button.
<b>Result 5</b>	The “ <i>Add User Context</i> ” panel shows a successful message.
<b>11. Test case Execution Time</b>	5 seconds
<b>12. Execution scripts</b>	
<b>13. Test environments</b>	Acceptance

### 2.11.3. TC41 Test the modification of a User Context

<b>1. Test Case ID</b>	TC41
<b>2. Title</b>	Test the modification of a User Context
<b>3. Description</b>	Test the modification of a User Context of a User Context with the Edit User Context panel.
<b>4. Test objective :</b>	USM-17 Manage User Context
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Add permissions Assign roles to users
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test administrator user and the test user are well defined in the data base. 2. TC40 must be executed first. 3. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.
<b>6. Step/Action1</b>	1. Log in the USM portal with the username and password:  Username: <b>usm_admin</b> Password: <b>password</b>  2. Choose the <b>USM-User Manager - (no scope)</b> context.  3. To select the <i>Users</i> option in the Menu.
<b>Result 1</b>	The user successfully enters in USM portal with the profile of User Manager. The main table of <i>Users</i> is displayed.
<b>7. Step/Action2</b>	1. To introduce in the <i>Users</i> search panel the value:  Name search: <b>vms_user</b>

	2. Activate the “ <i>Search</i> ” button.
<b>Result 2</b>	The <i>Users</i> table displays a record with the corresponding value.
<b>8. Step/Action3</b>	To activate the “ <i>Eye icon</i> ” button in the record of the <i>Users</i> table.
<b>Result 3</b>	The “ <i>Users Details</i> ” page opens. It contains three tabs: - <i>Contact and Status Details</i> tab. - <i>Contexts</i> tab. - <i>Preferences</i> tab.
<b>9. Step/Action3</b>	To press the <i>Contexts</i> tab.
<b>Result 3</b>	The <i>Contexts</i> table appears. It contains one record.
<b>10. Step/Action4</b>	To activate the “ <i>Pencil icon</i> ” button in the record of the <i>Contexts</i> table.
<b>Result 4</b>	The “ <i>Edit User Context</i> ” panel opens.
<b>11. Step/Action5</b>	1.Introduce in the “ <i>Add User Context</i> ” panel the values:  Role: <b>Super User</b> Scope: <b>Some Reports</b>  2. Activate the “ <i>Save</i> ” button.
<b>Result 5</b>	The “ <i>Add User Context</i> ” panel shows a successful message.
<b>12. Test case Execution Time</b>	5 seconds
<b>13. Execution scripts</b>	
<b>14. Test environments</b>	Acceptance

## 2.12. Test duplicate User Profile

### 2.12.1. TC42 Test duplicate User Profile

<b>1. Test Case ID</b>	TC42
<b>2. Title</b>	Test duplicate User Profile
<b>3. Description</b>	Test duplicate User Profile
<b>4. Test objective :</b>	USM-14 Copy profiles
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Copy and assign user profiles

<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	<p>1. The test administrator user and the test user are well defined in the data base.</p> <p>2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.</p>
<b>6. Step/Action1</b>	<p>1. Log in the USM portal with the username and password:</p> <p>Username: <b>usm_admin</b> Password: <b>password</b></p> <p>2. Choose the <b>USM-User Manager - (no scope)</b> context.</p> <p>3. To select the <i>Users</i> option in the Menu</p>
<b>Result 1</b>	<p>The user successfully enters in USM portal with the profile of User Manager.</p> <p>The main table of <i>Users</i> is displayed.</p>
<b>7. Step/Action2</b>	<p>1. To introduce in the <i>Users</i> search panel the value:</p> <p>Name search: <b>vms_user_fra</b></p> <p>2. Activate the “<i>Search</i>” button.</p>
<b>Result 2</b>	The <i>Users</i> table displays a record with the corresponding value.
<b>8. Step/Action3</b>	To activate the “ <i>Two Pages icon</i> ” button in the record of the <i>Users</i> table.
<b>Result 3</b>	The “ <i>Duplicate User Profile</i> ” panel opens. It contains the value: Copy to User: <b>vms_user_fra</b>
<b>9. Step/Action4</b>	<p>1. To introduce the value:</p> <p>Copy from User: <b>usm_admin</b></p> <p>2. To press the “<i>Copy profile</i>” button.</p>
<b>Result 4</b>	The “ <i>Duplicate User Profile</i> ” panel displays a Warning message that the operation may be confirmed.
<b>10. Step/Action5</b>	Activate the “ <i>Confirm</i> ” button in the “ <i>Duplicate User Profile</i> ” panel.
<b>Result 5</b>	The “ <i>Duplicate User Profile</i> ” panel displays a successful message.
<b>11. Test case Execution Time</b>	5 seconds
<b>12. Execution scripts</b>	
<b>13. Test environments</b>	Acceptance

## 2.13. Test changes in User Contact details

### 2.13.1. TC43 Test approve changes in User Contact details

<b>1. Test Case ID</b>	TC43
<b>2. Title</b>	Test approve changes in User Contact Details
<b>3. Description</b>	Test the approval of changes in User Contact Details
<b>4. Test objective :</b>	USM-04 Amend user contact details
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Manage user account information
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test administrator user and the test user are well defined in the data base.
<b>6. Step/Action1</b>	<p>1. Log in the USM portal with the username and password:</p> <p>Username: <b>usm_admin</b> Password: <b>password</b></p> <p>2. Choose the <b>USM-User Manager - (no scope)</b> context.</p> <p>3. To select the <i>Policies</i> option in the Menu.</p> <p>4 .To introduce the value in the <i>Policies</i> search panel:</p> <p>Name search: <b>review.contact.details.enabled</b></p> <p>5. To activate the <i>Search</i> button in the <i>Search</i> panel of <i>Policies</i>.</p>
<b>Result 1</b>	<p>The user successfully enters in USM portal with the profile of User Manager.</p> <p>The <i>Policies</i> table displays a record corresponding to the search.</p>
<b>7. Step/Action2</b>	Activate the “ <i>Pencil icon</i> ” button in the record selected in the <i>Policies</i> table.
<b>Result 2</b>	The “ <i>Edit Policy</i> ” panel opens.
<b>8. Step/Action3</b>	<p>1. Select the “Edit” button of the “<i>Edit Policy</i>” panel.</p> <p>2. To introduce the value:</p>

	<p>Value: <b>true</b></p> <p>3. Select the “<i>Save</i>” button of the “<i>Edit Policy</i>” panel.</p>
<b>Result 3</b>	The “ <i>Edit Policy</i> ” panel displays a successful message and closes. The value of the policy <b>review.contact.details.enabled</b> is set to <b>true</b> .
<b>9. Step/Action4</b>	Select the <i>Changes</i> option in the Menu.
<b>Result 4</b>	<p>The main table of <i>Changes</i> is displayed. There is a record corresponding to the value:</p> <p>Username: <b>quota_usr_com</b>  Phone Number: <b>+32287654321</b>  Email: <b>quota_usr_com@mail.ec</b></p>
<b>10. Step/Action5</b>	Activate the “ <i>Pencil icon</i> ” button in the record selected in the <i>Policies</i> table.
<b>Result 5</b>	<p>The “<i>Pending Changes</i>” panel opens. In the panel the following values corresponding to the <i>Phone number</i> of the <b>quota_usr_com</b> user appear:</p> <p>Old value: <b>empty</b>  New value: <b>+32287654321</b></p>
<b>11. Step/Action6</b>	Select the “ <i>Approve</i> ” button.
<b>Result 6</b>	The “ <i>Pending Changes</i> ” panel displays a successful message and closes.
<b>12. Step/Action7</b>	<p>1. Select the <i>Users</i> option in the menu.</p> <p>1. To introduce in the <i>Users</i> search panel the value:</p> <p>Name search: <b>quota_usr_com</b></p> <p>2. Activate the “<i>Search</i>” button.</p>
<b>Result 7</b>	The Users table displays a record.
<b>13. Step/Action8</b>	Activate the “ <i>Eye icon</i> ” button in the record.
<b>Result 8</b>	<p>The “<i>Contact details</i>” page opens. The “<i>Contact and Status details</i>” panel contains the value updated:</p> <p>Phone Number: <b>+32287654321</b></p>
<b>14. Step/Action9</b>	<p>1. Log out from the USM portal.</p> <p>2. Log in the USM portal with the username and password:</p>

	Username: <b>quota_usr_com</b> Password: <b>password</b>  3. Select the option “ <i>Update Contact Details</i> ” in the User Menu of USM.
<b>Result 9</b>	The “ <i>Update contact details</i> ” panel opens. The panel contains the value updated:  Phone Number: <b>+32287654321</b>
<b>15. Step/Action10</b>	1. To introduce the values in the “ <i>Update contact details</i> ” panel:  Contact Details phone: <b>empty</b> Password: <b>password</b>  2. Activate the “ <i>Save</i> ” button.
<b>Result 10</b>	The “ <i>Update contact details</i> ” panel displays a successful message. The value of the <i>Phone Number</i> has been restored.
<b>16. Test case Execution Time</b>	10 seconds
<b>17. Execution scripts</b>	
<b>18. Test environments</b>	Acceptance

### 2.13.2. TC44 Test reject changes in User Contact details

<b>1. Test Case ID</b>	TC44
<b>2. Title</b>	Test reject changes in User Contact Details
<b>3. Description</b>	Test the rejection of changes in User Contact Details
<b>4. Test objective :</b>	USM-04 Amend user contact details
<b>a. User Story</b>	
<b>b. Functional requirement</b>	Manage user account information
<b>c. Business Rule</b>	
<b>d. Non-Functional requirement</b>	
<b>5. Pre Condition(s)</b>	1. The test administrator user and the test user are well defined in the data base. 2. The test administrator user successfully accesses to the portal USM and the Login panel is displayed.

<b>6. Step/Action1</b>	<p>1. Log in the USM portal with the username and password:</p> <p>Username: <b>usm_admin</b> Password: <b>password</b></p> <p>2. Choose the <b>USM-User Manager - (no scope)</b> context.</p> <p>3. To select the <i>Policies</i> option in the Menu.</p> <p>4.To introduce the value in the <i>Policies</i> search panel:</p> <p>Name search: <b>review.contact.details.enabled</b></p> <p>5. To activate the <i>Search</i> button in the <i>Search</i> panel of <i>Policies</i>.</p>
<b>Result 1</b>	<p>The user successfully enters in USM portal with the profile of User Manager.</p> <p>The <i>Policies</i> table displays a record corresponding to the search.</p>
<b>7. Step/Action2</b>	Activate the “ <i>Pencil icon</i> ” button in the record selected in the <i>Policies</i> table.
<b>Result 2</b>	The “ <i>Edit Policy</i> ” panel opens.
<b>8. Step/Action3</b>	<p>1. Select the “<i>Edit</i>” button of the “<i>Edit Policy</i>” panel.</p> <p>2. To introduce the value:</p> <p>Value: <b>true</b></p> <p>3. Select the “<i>Save</i>” button of the “<i>Edit Policy</i>” panel.</p>
<b>Result 3</b>	<p>The “<i>Edit Policy</i>” panel displays a successful message and closes.</p> <p>The value of the policy <b>review.contact.details.enabled</b> is set to <b>true</b>.</p>
<b>9. Step/Action4</b>	Select the <i>Changes</i> option in the Menu.
<b>Result 4</b>	<p>The main table of <i>Changes</i> is displayed. There is a record corresponding to the value:</p> <p>Username: <b>quota_usr_com</b> Phone Number: <b>+32287654321</b> Email: <b>quota_usr_com@mail.ec</b></p>
<b>10. Step/Action5</b>	Activate the “ <i>Pencil icon</i> ” button in the record selected in the <i>Policies</i> table.
<b>Result 5</b>	The “ <i>Pending Changes</i> ” panel opens. In the panel the following values corresponding to the <i>Phone number</i> of the <b>quota_usr_com</b>



	<p>user appear:</p> <p>Old value: <b>empty</b></p> <p>New value: +<b>32287654321</b></p>
<b>11. Step/Action6</b>	Select the “ <i>Reject</i> ” button.
<b>Result 6</b>	The “ <i>Pending Changes</i> ” panel displays a successful message that the change has been rejected and closes.
<b>12. Step/Action7</b>	<p>1. Select the <i>Users</i> option in the Menu.</p> <p>2. To introduce in the <i>Users</i> search panel the value:</p> <p>Name search: <b>quota_usr_com</b></p> <p>3. Activate the “<i>Search</i>” button.</p>
<b>Result 7</b>	The <i>Users</i> table displays a record.
<b>13. Step/Action8</b>	Activate the “ <i>Eye icon</i> ” button of the record.
<b>Result 8</b>	<p>The “<i>Contact details</i>” page opens. The “<i>Contact and Status details</i>” panel contains the value updated:</p> <p>Phone Number: <b>empty</b></p>
<b>14. Step/Action9</b>	<p>1. Log out from the USM portal.</p> <p>2. Log in the USM portal with the username and password:</p> <p>Username: <b>quota_usr_com</b></p> <p>Password: <b>password</b></p> <p>3. Select the option “<i>Update Contact Details</i>” in the User Menu of USM.</p>
<b>Result 9</b>	<p>The “<i>Update contact details</i>” panel opens. The panel contains the value updated:</p> <p>Phone Number: <b>empty</b></p>
<b>15. Step/Action10</b>	<p>1. To introduce the values in the “<i>Update contact details</i>” panel:</p> <p>Contact Details phone: +<b>32287654321</b></p> <p>Password: <b>password</b></p> <p>2. Activate the “<i>Save</i>” button.</p>
<b>Result 10</b>	<p>The “<i>Update contact details</i>” panel displays a successful message.</p> <p>The value of the Phone Number has been restored.</p>

<b>16. Test case Execution Time</b>	10 seconds
<b>17. Execution scripts</b>	
<b>18. Test environments</b>	Acceptance