

Figure 7 is a schematic diagram depicting the exemplary flow of data between components of Figure 1 according to one embodiment.

Figure 8 shows a Parachute Box.

Figure 9 shows List boxes activity.

5 Figure 10 shows Boxes Page.

Figure 11 shows List devices activity.

Figure 12 shows Devices page.

Figure 13 shows Device details page.

Figure 14 shows Executions overview activity.

10 Figure 15 shows Executions overview page.

Figure 16 shows List executions activity.

Figure 17 shows Executions page.

Figure 18 shows Call execution details page.

Figure 19 shows Outgoing call execution details page.

15 Figure 20 shows Incoming call execution details page.

Figure 21 shows SMS execution details page.

Figure 22 shows Outgoing SMS execution details page.

Figure 23 shows Incoming SMS execution details page.

Figure 24 shows Scenario execution details page.

20 Figure 25 shows List scenarios.

Figure 26 shows Scenarios page.

Figure 27 shows Scenario details page.

Figure 28 shows List tests activity.

Figure 29 shows Tests page.

25 Figure 30 shows Call test details page.

Figure 31 shows Outgoing call test details page.

Figure 32 shows Incoming call test details.

Figure 33 shows SMS test details page.

Figure 34 shows Outgoing SMS test details page.

30 Figure 35 shows Incoming SMS test details page.

Figure 36 shows Schedule test activity.

Figure 37 shows Schedule scenario page.

Figure 38 shows Schedule test view.

Figure 39 shows Schedule test page.

5 Figure 40 shows Schedule call test page.

Figure 41 shows Schedule outgoing call test page.

Figure 42 shows Schedule incoming call test page.

Figure 43 shows Schedule SMS test page.

Figure 44 shows Schedule outgoing SMS test page.

10 Figure 45 shows Schedule incoming SMS test page

Figure 46 shows Upload file page.

Figures 47a, 47b, 47c and 47d show trigger area.

Figure 48 shows Specific device selection area.

Figure 49 shows Characteristics device selection area.

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It will also be appreciated that although features from each of the embodiments may be identified by different reference numerals in the figures and throughout the description, similar features including the properties and functionality attributed thereto, from one embodiment may be interchangeable with those of another embodiment.

20 Detailed Description

References will now be made in detail to the various aspects and/or embodiments, examples of which are illustrated in the accompanying figures. In the following detailed description, numerous specific details are set forth in order to provide a thorough understanding of the invention. However, it will be apparent to one of ordinary skill in the art that the invention may be practiced

25 without these specific details.

The embodiments described here provide many solutions to the aforementioned problems. For example, some of the embodiments address one or more of the following:

- Provision of a cost effective testing system;
- Improved control of the tests and/or lists of tests;
- 30 • The ability to test the network using 'Real' SIM cards, including terminals having Multi-IMSI functionality, advanced Applets and supporting SIM-based databases, etc.;

- Ability to efficiently upgrade the system (for example, to upgrade to LTE testing etc. by upgrading or replacing terminals with newer models);
- To provide flexible test scheduling;
- To provide continuous monitoring;
- 5 • Capability to mix ad-hoc and scripted tests;
- To provide distributed processing;
- The ability to provide scripting of multiple step (sequenced) tests;
- The ability to provide multiple test types in the same schedule;
- Capability of Machine to Machine (M2M) SIM testing;
- 10 • Possibility of distributing scripts over multiple remote units;
- Ability to provide a reactive test schedule modification based on results;
- Support new inserted tests while still running existing schedules;
- Provision of off line testing;
- Provision of self-monitoring with automatic recovery of terminals/handsets and all other
- 15 system elements;
- Reduction in site visits and down-time;
- Provision of self-configuration and setup of remote units and associated terminal devices (phones, data dongles, etc.);

System Architecture

Parachute Box System

HLD

See Fig. 8

The Parachute Box (PB) provides a distributed telecoms testing system able to continuously monitor a network through a mixture of scripting and ad-hoc tests. PB works with user equipment, generally smartphones with standard SIM cards. This permits it to run SIM card applications in the field allowing it to fully test a modern SIM card. The system comprises standard PC hardware and standard smartphone hardware in a robust case design. User equipment is interfaced to the PC over interfaces such as USB allowing easy field upgrade to the latest models with new band plans and radio frequency units. The system is intelligently partitioned as follows.

jPB Commander

- Typically one per system. Can be more for fault tolerance.

- Overall system controller.

- Presents interfaces to staff and other systems.

- Test are entered and distributed from controller.

- Notifications generated from results of tests.

- Runs many...

jPB Box manager. ('Parachute Box')

Located at points of interest in target markets
Receives test schedules from Commander.

Controls many...

jPB device

Array of devices per 'Parachute' Box

Standard production devices such as but not limited to:

Smartphones, tablets, data modems ('dongles'), M2M terminals, WiFi-only

May be loaded with Device Manger 'helper' application – accepts commands from and returns results to Box manager.

Contains...

Test SIMs

Usually off-the-shelf customer production SIMs

Can be from any operator as well as the system owners own network

Notifications

Output from system

Generates: (examples, not limited to)

Human readable 'Dashboard' Alerts

Controls to other network elements

Statistical systems

Customer information

User Request/Response interface

Provides programming interface and results screens to human operators

Monitoring programming

New feature DVT and functional testing

Strategic targeted reactionary testing

User Interface and Dashboards

Parachute Box System

Introduction

The intent of this document is to describe the user interface that will support all functionalities of the Parachute Box (PB) first version.

Please note that the screens presented are illustrative, aimed at clarifying navigation, as well as fields and data.

Profiles

Users that have access to the Parachute Box module will have one of the following profiles:

- Read only: this kind of users will have access to read functionalities except to some fields that will be hidden (see more information in the functionalities described below);
- Read and execute: this kind of user will have access to the same functionalities as “Read only users”, and can execute tests and scenarios;
- Read and schedule: this kind of user will have same type of access as “Read and execute” and can schedule tests and scenarios;
- Full access: this kind of users will have access to all functionalities and all type of operations.

PB Menu options

Access to Parachute Box menu options, will be determined by the user profile.

If logged user has “Read only” profile, the following menu will be displayed:

Resources
List Boxes
List Devices
Executions
In progress, planned and finished
List Executions
Scenarios
List Scenarios
Tests
List Tests

If the profile is “Full access”, “Read and schedule” or “Read and execute” users will have access to the following menu:

Resources
List Boxes
List Devices
Executions
In progress, planned and finished
List Executions
Scenarios
List Scenarios
Tests
List Tests
Schedule
Scenario
Test
Upload file

Resources

The “Resources” menu entry will encompass information about online boxes and devices.

List boxes

The “List boxes” view will list all online boxes and devices that are connected to each box.

The “List boxes” activity will follow the steps described in the flowchart below:

See Fig. 9

When user selects “Resources > List Boxes” menu entry, the list boxes service will be invoked. In case of error, an error message will be displayed warning the user. In case of success the following view will be displayed:

See Fig. 10

The following table presents a description of all the information that the previous screen area will manage:

"Boxes" area - in this area all boxes will be listed					
Field Name		Field Type	Field Status	Visible	Action
Boxes table	Box id	Text	Read only	TRUE	On row selection, the "Devices" area will be refreshed
	Country	Text	Read only	TRUE	
	City	Text	Read only	TRUE	
	Count online devices	Text	Read only	TRUE	
	IP	Text	Read only	If is a "Full access" user	
Reboot		Button	-	If is a "Full access" user	The reboot service will be invoked and the return message (error or success) will be displayed
"Devices" area - in this area all online devices connected to the selected box will be listed					
See " List devices " view for more information					

List devices

The “List devices” view will list all online devices and allows to see the detailed information of one selected device.

The List boxes activity will follow the steps described in the flowchart below:

See Fig. 11

When user selects “Resources > List Devices” menu entry, the list devices service will be invoked. In case of error, an error message will be displayed warning the user. In case of success the following view will be displayed:

See Fig. 12

The following table presents a description of all the information that the previous screen area will manage:

"Devices" area - in this area all devices will be listed					
Field Name		Field Type	Field Status	Visible	Action
Devices table	Serial	Text	Read only	TRUE	On row selection, the "Device details" area will be refreshed
	IMEI	Text	Read only	TRUE	
	IMSI In Use	Text	Read only	TRUE	
	Primary MSISDN	Text	Read only	TRUE	
	Product Type	Text	Read only	TRUE	
	Radio Provider	Text	Read only	TRUE	
	SIM Provider	Text	Read only	TRUE	
	Operation System	Text	Read only	TRUE	
	Roaming	Check box	Read only	TRUE	
	City	Text	Read only	TRUE	
Reboot		Button	-	If is a OSS user	Reboot the selected Device
"Device details" area - in this area the details of the selected device will be presented					
See " Device details " view for more information					

Device details

When user selects to see the details of a device, the following view will be displayed:

See Fig. 13

The following table presents a description of all the information that the previous screen area will manage:

"Device details" area - in this area the details of the selected device will be presented						
Field Name			Field Type	Field Status	Visible	Action
Name			Text	Read only	TRUE	-
Radio provider			Text	Read only	TRUE	-
Roaming			Check Box	Read only	TRUE	-
Serial			Text	Read only	TRUE	-
IMEI			Text	Read only	TRUE	-
ADB			Text	Read only	If “Operation system” is Android	-
Operation system			Text	Read only	TRUE	-
Operation system version			Text	Read only	TRUE	-
ICCID			Text	Read only	TRUE	-
Product type			Text	Read only	TRUE	-
SIM provider			Text	Read only	TRUE	-
Box	Box id		Text	Read only	TRUE	-
	Country		Text	Read only	TRUE	-
	City		Text	Read only	TRUE	-
IMSI table	IMSI		Text	Read only	TRUE	-
	In Use		Check Box	Read only	TRUE	-
MSISDN table	Country		Text	Read only	TRUE	-
	MSISDN		Text	Read only	TRUE	-
	Primary		Check Box	Read only	TRUE	-
Tests	In Use		Check Box	Read only	TRUE	-
	Test Name		Link	Read only	TRUE	The “ <u>Execution details</u> ” view will be opened in a new tab
	Tests waiting for this device table	Test name	Link	Read only	TRUE	The “ <u>Execution details</u> ” view will be opened in a new tab

Executions

The “Executions” menu entry will encompass information about scenarios and test executions.

Executions overview

The “Executions overview” view will display three tables. The first table will list the next executions, the second one will list executions that are in progress, and the last table will list the last finished executions.

The “Executions overview” activity will follow the steps described in the flowchart below:

See Fig. 14

When user selects the “Executions > Overview”, the following view will be displayed:

See Fig. 15

The following table presents a description of all the information that the previous screen area will manage:

"Executions planned" area - in this area the executions planned to run in the next half hour will be listed.						
Field Name			Field Type	Field Status	Visible	Action
Executions planned table	Name		Text	RO	TRUE	On row selection, the " <u>Scenario details</u> " or " <u>Test details</u> " page will be opened in a new tab
	Type		Text	RO	TRUE	
	Start execution		Text	RO	TRUE	
	MO	City	Text	RO	TRUE	
		Product type	Text	RO	TRUE	
	MT	City	Text	RO	TRUE	
		Product type	Text	RO	TRUE	
Export			Button	-	TRUE	See " <u>Executions file</u> " for more information
"Executions in progress" area - in this area the executions in progress will be listed.						
Field Name			Field Type	Field Status	Visible	Action
Executions in progress table	Name		Text	RO	TRUE	On row selection, the "Execution details" area will be refreshed
	Type		Text	RO	TRUE	
	Start execution		Text	RO	TRUE	
	MO	City	Text	RO	TRUE	
		Product type	Text	RO	TRUE	

	MT	City	Text	RO	TRUE	
		Product type	Text	RO	TRUE	
Export			Button	-	TRUE	See " Executions file " for more information
"Executions finished" area - in this area the executions finished in the last half hour will be listed						
Field Name			Field Type	Field Status	Visible	Action
Executions finished table	Name		Text	RO	TRUE	On row selection, the "Execution details" area will be refreshed
	Type		Text	RO	TRUE	
	Start execution		Text	RO	TRUE	
	Stop execution		Text	RO	TRUE	
	MO	City	Text	RO	TRUE	
		Product type	Text	RO	TRUE	
	MT	City	Text	RO	TRUE	
		Product type	Text	RO	TRUE	
Result		Text	RO	TRUE		
Export			Button	-	TRUE	See " Executions file " for more information
"Execution details" area - in this area we will show the details for the selected execution						
See " Execution details " view for more information						

List executions

The “List executions” view will display information about all executions, and user can view detailed information about the selected execution.

The “List executions” activity will follow the steps described in the flowchart below:

See Fig. 16

When user selects the “Executions > List Executions” menu entry, the following view will be displayed:

See Fig. 17

The following table presents a description of all the information that the previous screen area will manage:

"Executions" area - in this area we list all executions					
Field Name		Field Type	Field Status	Visible	Action
Executions table	Type	Text	Read only	TRUE	On row selection, the " <u>Execution details</u> " area will be refreshed
	Priority	Text	Read only	TRUE	
	Start Execution	Text	Read only	TRUE	
	Stop Execution	Text	Read only	TRUE	
	MO	City	Text	Read only	
		Product Type	Text	Read only	
	MT	City	Text	Read only	
		Product Type	Text	Read only	
	Result	Text	Read only	TRUE	
Export		Button	-	TRUE	See " <u>Export executions</u> " for more information
"Execution details" area - in this area the details for the selected execution will be displayed					
See " <u>Execution details</u> " for more information					

Execution details

This view will display the details of an execution that was previously selected.

Call execution details

When user selects to see the details of an execution of type "Call" the following view will be displayed:

See Fig. 18

The following table presents a description of all the information that the previous screen area will manage:

"Execution details" area - in this area the details of a "Call" execution will be displayed				
Field name	Field type	Field status	Visible	Action
Type	Text	Read only	TRUE	-
Result	Text	Read only	TRUE	-
Priority	Text	Read only	TRUE	-
Start Execution	Text	Read only	TRUE	-
Stop Execution	Text	Read only	TRUE	-
Destination MSISDN	Text	Read only	TRUE	-
Dialed MSISDN	Text	Read only	TRUE	-
Ringing MSISDN	Text	Read only	TRUE	-
Ringing timestamp	Text	Read only	TRUE	-
Dial timestamp	Text	Read only	TRUE	-
Answer timestamp	Text	Read only	TRUE	-
Ready answer timestamp	Text	Read only	TRUE	-
Disconnect timestamp MO	Text	Read only	TRUE	-
Disconnect timestamp MT	Text	Read only	TRUE	-
Call setup time	Text	Read only	TRUE	-
Disconnect delay	Text	Read only	TRUE	-
Radio provider MO	Text	Read only	TRUE	-
Radio provider MT	Text	Read only	TRUE	-
PLMN MO	Text	Read only	TRUE	-
PLMN MT	Text	Read only	TRUE	-
Ready answer GSM bit error rate	Text	Read only	TRUE	-
Ready answer GSM signal strength	Text	Read only	TRUE	-
Dialed GSM bit error rate	Text	Read only	TRUE	-
Dialed GSM signal strength	Text	Read only	TRUE	-
Ringing GSM bit error rate	Text	Read only	TRUE	-

Ringling GSM signal strength	Text	Read only	TRUE	-
Answer GSM bit error rate	Text	Read only	TRUE	-
Answer GSM signal strength	Text	Read only	TRUE	-
Disconnect MO GSM bit error rate	Text	Read only	TRUE	-
Disconnect MO GSM signal strength	Text	Read only	TRUE	-
Disconnect MT GSM signal strength	Text	Read only	TRUE	-
MO	Link	Read only	TRUE	The " Device details " page will be opened in a new tab
City	Text	Read only	TRUE	-
Country	Text	Read only	TRUE	-
Product Type	Text	Read only	TRUE	-
MT	Link	Read only	TRUE	The " Device details " page will be opened in a new tab
City	Text	Read only	TRUE	-
Country	Text	Read only	TRUE	-
Product Type	Text	Read only	TRUE	-

Outgoing call execution details

When user selects to see the details of an execution of type "Outgoing call" the following view will be displayed:

See Fig. 19

The following table presents a description of all the information that the previous screen area will manage:

"Execution details" area - in this area the details of a "Outgoing call" execution will be displayed				
Field Name	Field Type	Field Status	Visible	Action
Type	Text	Read only	TRUE	-
Result	Text	Read only	TRUE	-
Priority	Text	Read only	TRUE	-
Start Execution	Text	Read only	TRUE	-
Stop Execution	Text	Read only	TRUE	-
Destination MSISDN	Text	Read only	TRUE	-
Dialed MSISDN	Text	Read only	TRUE	-
Dial timestamp	Text	Read only	TRUE	-
Disconnect timestamp MO	Text	Read only	TRUE	-
Radio provider MO	Text	Read only	TRUE	-
PLMN MO	Text	Read only	TRUE	-
Dialed GSM bit error rate	Text	Read only	TRUE	-
Dialed GSM signal strength	Text	Read only	TRUE	-
Disconnect GSM bit error rate	Text	Read only	TRUE	-
Disconnect GSM signal strength	Text	Read only	TRUE	-
MO	Link	Read only	TRUE	The " Device details " page will be opened in a new tab
City	Text	Read only	TRUE	-
Country	Text	Read only	TRUE	-
Product type	Text	Read only	TRUE	-

Incoming call execution details

When user selects to see the details of an execution of type "Incoming call" the following view will be displayed:

See Fig. 20

The following table presents a description of all the information that the previous screen area will manage:

"Execution details" area - in this area the details of a "Incoming call" execution will be displayed				
Field name	Field type	Field status	Visible	Action
Type	Text	Read only	TRUE	-
Priority	Text	Read only	TRUE	-
Result	Text	Read only	TRUE	-
Start execution	Text	Read only	TRUE	-
Stop execution	Text	Read only	TRUE	-
Ringing MSISDN	Text	Read only	TRUE	-
Expected MO MSISDN	Text	Read only	TRUE	-
Ringing timestamp	Text	Read only	TRUE	-
Answer timestamp	Text	Read only	TRUE	-
Disconnect timestamp MT	Text	Read only	TRUE	-
Ready answer timestamp	Text	Read only	TRUE	-
PLMN MT	Text	Read only	TRUE	-
Radio provider MT	Text	Read only	TRUE	-
Ready answer GSM bit error rate	Text	Read only	TRUE	-
Ready answer GSM signal strength	Text	Read only	TRUE	-
Ringing GSM bit error rate	Text	Read only	TRUE	-
Ringing GSM signal strength	Text	Read only	TRUE	-
Answer GSM bit error rate	Text	Read only	TRUE	-
Answer GSM signal strength	Text	Read only	TRUE	-
Disconnect MT GSM bit error rate	Text	Read only	TRUE	-
Disconnect MT GSM signal strength	Text	Read only	TRUE	-
MT	Link	Read only	TRUE	The " Device details " page will be opened in a new tab
City	Text	Read only	TRUE	
Country	Text	Read only	TRUE	
Product type	Text	Read only	TRUE	

SMS execution details

When user selects to see the details of an execution of type "SMS" the following view will be displayed:

See Fig. 21

The following table presents a description of all the information that the previous screen area will manage:

"Execution details" area - in this area the details of a "SMS" execution will be displayed				
Field Name	Field Type	Field Status	Visible	Action
Type	Text	Read only	TRUE	-
Priority	Text	Read only	TRUE	-
Result	Text	Read only	TRUE	-
Start execution	Text	Read only	TRUE	-
Stop execution	Text	Read only	TRUE	-
Destination MSISDN	Text	Read only	TRUE	-
Sent MSISDN	Text	Read only	TRUE	-
Received MSISDN	Text	Read only	TRUE	-
Received timestamp	Text	Read only	TRUE	-
Sent timestamp	Text	Read only	TRUE	-
Sent intent timestamp	Text	Read only	TRUE	-
SMS MO delay	Text	Read only	TRUE	-
SMS MT delay	Text	Read only	TRUE	-
SMS MO MT delay (E2E)	Text	Read only	TRUE	-
Parts	Text	Read only	TRUE	-
Text	Text	Read only	TRUE	-
Sent text	Text	Read only	TRUE	-
Received text	Text	Read only	TRUE	-
Radio provider MO	Text	Read only	TRUE	-
Radio provider MT	Text	Read only	TRUE	-
PLMN MO	Text	Read only	TRUE	-
PLMN MT	Text	Read only	TRUE	-
Not sent intent error	Text	Read only	TRUE	-
Not sent intent timestamp	Text	Read only	TRUE	-
Sent GSM bit error rate	Text	Read only	TRUE	-
Sent GSM signal strength	Text	Read only	TRUE	-
Received GSM bit error rate	Text	Read only	TRUE	-
Received GSM signal strength	Text	Read only	TRUE	-
MO	Link	Read only	TRUE	The " Device details " page will be opened in a new tab

	City	Text	Read only	TRUE	-
	Country	Text	Read only	TRUE	-
	Product type	Text	Read only	TRUE	-
	MT	Link	Read only	TRUE	The " Device details " page will be opened in a new tab
	City	Text	Read only	TRUE	-
	Country	Text	Read only	TRUE	-
	Product type	Text	Read only	TRUE	-

Outgoing SMS execution details

When user selects to see the details of an execution of type “Outgoing SMS” the following view will be displayed:

See Fig. 22

The following table presents a description of all the information that the previous screen area will manage:

"Execution details" area - in this area the details of a "Outgoing SMS" execution will be displayed				
Field Name	Field Type	Field Status	Visible	Action
Type	Text	Read only	TRUE	-
Execution result	Text	Read only	TRUE	-
Priority	Text	Read only	TRUE	-
Start execution	Text	Read only	TRUE	-
Stop execution	Text	Read only	TRUE	-
Destination MSISDN	Text	Read only	TRUE	-
Sent MSISDN	Text	Read only	TRUE	-
Sent timestamp	Text	Read only	TRUE	-
Sent intent timestamp	Text	Read only	TRUE	-
SMS MO delay	Text	Read only	TRUE	-
Not sent intent error	Text	Read only	TRUE	-
Not sent intent timestamp	Text	Read only	TRUE	-
Parts	Text	Read only	TRUE	-
Text	Text	Read only	TRUE	-
Sent text	Text	Read only	TRUE	-
Radio provider MO	Text	Read only	TRUE	-
PLMN MO	Text	Read only	TRUE	-
Sent GSM bit error rate	Text	Read only	TRUE	-
Sent GSM signal strength	Text	Read only	TRUE	-
MO	Link	Read only	TRUE	The "Device details" page will be opened in a new tab
City	Text	Read only	TRUE	-
Country	Text	Read only	TRUE	-
Product type	Text	Read only	TRUE	-

Incoming SMS execution details

When user selects to see the details of an execution of type "Incoming SMS" the following view will be displayed:

See Fig. 23

The following table presents a description of all the information that the previous screen area will manage:

"Execution details" area - in this area the details of a "Incoming SMS" execution will be displayed				
Field Name	Field Type	Field Status	Visible	Action
Type	Text	Read only	TRUE	-
Priority	Text	Read only	TRUE	-
Start execution	Text	Read only	TRUE	-
Stop execution	Text	Read only	TRUE	-
Result	Text	Read only	TRUE	-
Received MSISDN	Text	Read only	TRUE	-
Received timestamp	Text	Read only	TRUE	-
Wait to receive timestamp	Text	Read only	TRUE	-
SMS MT delay	Text	Read only	TRUE	-
Parts	Text	Read only	TRUE	-
Text	Text	Read only	TRUE	-
Received text	Text	Read only	TRUE	-
Radio provider MT	Text	Read only	TRUE	-
Received GSM bit error rate	Text	Read only	TRUE	-
Received GSM signal strength	Text	Read only	TRUE	-
PLMN MT	Text	Read only	TRUE	-
MT	Link	Read only	TRUE	The " Device details " page will be opened in a new tab
City	Text	Read only	TRUE	-
Country	Text	Read only	TRUE	-
Product type	Text	Read only	TRUE	-

Scenario execution details

When user selects to see the details of an execution of type "Scenario" the following view will be displayed:

See Fig. 24

The following table presents a description of all the information that the previous screen area will manage:

"Execution details" area - in this area the details of a "Scenario" execution will be displayed						
Field Name		Field Type	Field Status	Default Value	Visible	Action
Name		Text	Read only	-	TRUE	-
Type		Text	Read only	-	TRUE	-
Execution id		Text	Read only	-	TRUE	-
Priority		Text	Read only	-	TRUE	-
Start execution		Text	Read only	-	TRUE	-
Stop execution		Text	Read only	-	TRUE	-
Execution result		Text	Read only	-	TRUE	-
Tests table	Id		Text	Read only	-	TRUE
	Name		Text	Read only	-	TRUE
	Type		Text	Read only	-	TRUE
	Status		Text	Read only	-	TRUE
	MO	City	Text	Read only	-	TRUE
		Product type	Text	Read only	-	TRUE
	MT	City	Text	Read only	-	TRUE
		Product type	Text	Read only	-	TRUE
	Fallback	Condition	Text	Read only	-	TRUE
		Test Id	Text	Read only	-	TRUE

On row selection the
"Execution details" view
will be opened in a new tab

Scenarios

List scenarios

The “List scenarios” view will display information about all scenarios and user can view detailed information about the selected scenario.

The “List executions” activity will follow the steps described in the flowchart below:

See Fig. 25

When user selects the “Scenario > List Scenarios” menu entry, the following view will be displayed:

See Fig. 26

The following table presents a description of all the information that the previous screen area will manage:

"Scenarios" area - in this area all scenarios will be listed					
Field Name		Field Type	Field Status	Visible	Action
Scenarios table	Name	Text	RO	TRUE	On row selection, the "Scenario details" area will be refreshed
	Number of tests	Text	RO	TRUE	
	Next execution	Text	RO	TRUE	
	User	Text	RO	TRUE	
Export		Button	-	TRUE	See " Scenario\tests " file
"Scenario details" area - in this area the details of a "Scenario" will be displayed					
See " Scenario details " for more information					

Scenario details

When user selects to see the details of a selected scenario, the following view will be displayed:

See Fig. 27

The following table presents a description of all the information that the previous screen area will manage:

"Scenario details" area - in this area the details of a "Scenario" will be displayed						
Field Name		Field Type	Field Status	Visible		Action
Name		Text	Read only	TRUE		-
User		Text	Read only	TRUE		-
Description		Text	Read only	TRUE		-
Trigger	Description		Text	Read only	TRUE	-
	Timestamp		Text	Read only	If is a timestamp trigger	-
	Cron		Text	Read only	If is a cron trigger	-
Result action table	Result		Text	Read only	TRUE	-
	To		Text	Read only	TRUE	-
	Subject		Text	Read only	TRUE	-
	Detailed		Check Box	Read only	TRUE	-
	Message		Text	Read only	TRUE	-
Tests table	Id		Text	Read only	TRUE	On row selection, the "Test details" page will be opened in a new tab
	Name		Text	Read only	TRUE	
	Type		Text	Read only	TRUE	
	Status		Text	Read only	TRUE	
	MO	City	Text	Read only	TRUE	
		Product type	Text	Read only	TRUE	
	MT	City	Text	Read only	TRUE	
		Product type	Text	Read only	TRUE	
	Fallback	Condition	Text	Read only	TRUE	
		Test Id	Text	Read only	TRUE	
Run this scenario		Button	-	If scenario is not running and is a “Full access” or “Read and schedule” user If scenario is not running and is a “Read and execute” user and trigger is “Execute now”		Run this scenario
Unschedule this scenario		Button	-	If scenario is schedule and is a “Full access” or “Read and schedule” user		Unschedule this scenario
Clone This		Button	-	If scenario is a “Full access” or “Read and schedule” user If is a “Read and execute” user and trigger is “Execute now”		The “Schedule scenario” page will be opened with the information of this scenario

Tests

List tests

The “Tests” view will display information about all tests, and user can view detailed information about the selected test.

The List tests activity will follow the steps described in the flowchart below:

See Fig. 28

When user selects “Tests > List Tests” menu entry, the following view will be displayed:

See Fig. 29

The following table presents a description of all the information that the previous screen area will manage:

"Tests" area - in this area we will show all tests					
Field Name		Field Type	Field Status	Visible	Action
Tests table	Test id	Text	Read only	TRUE	On row selections, "Test details" are will be refreshed
	Name	Text	Read only	TRUE	
	Type	Text	Read only	TRUE	
	User	Text	Read only	TRUE	
	Fallback condition	Text	Read only	TRUE	
	Fallback test id	Text	Read only	TRUE	
Export		Button	-	TRUE	See " Scenario\tests " file
"Test details" area - in this area we will show a test details					
See " Test details " for more information					

Test details

This view will display the details of a test that was previously selected.

Call test details page

When user selects to see the details of a test of type “Call” the following view will be displayed:

See Fig. 30

The following table presents a description of all the information that the previous screen area will manage:

"Test details" area - in this area we will show a test details					
Field Name		Field Type	Field Status	Visible	Action
Name		Text	Read only	TRUE	-
Type		Text	Read only	TRUE	-
User		Text	Read only	TRUE	-
Description		Text	Read only	TRUE	-
Wait resources timeout		Text	Read only	TRUE	-
Duration		Text	Read only	TRUE	-
Max dialling delay		Text	Read only	TRUE	-
Ringing time		Text	Read only	TRUE	-
Max disconnect delay		Text	Read only	TRUE	-
MSISDN format		Text	Read only	TRUE	-
Disconnect call MO		Text	Read only	TRUE	-
Disconnect call MT		Text	Read only	TRUE	-
Device selection MO		Text	Read only	TRUE	-
Device selection MT		Text	Read only	TRUE	-
Fallback	Execute unexistent condition	Text	Read only	TRUE	-
	Result to meet condition	Text	Read only	TRUE	-
	Test id	Text	Read only	TRUE	-
Schedule		Button	-	TRUE	Run this scenario
Unschedule		Button	-	TRUE	Unschedule this scenario
Clone		Button	-	TRUE	The “ Schedule test ” page will be opened with the information of this test
"Executions" area - in this area the executions of this test will be listed					
See " Executions " page for more information					

Outgoing call test details page

When user selects to see the details of a test of type “Outgoing call” the following view will be displayed:

See Fig. 31

The following table presents a description of all the information that the previous screen area will manage:

"Test details" area - in this area we will show a test details				
Field Name		Field Type	Field Status	Visible
Name		Text	Read only	TRUE
Type		Text	Read only	TRUE
User		Text	Read only	TRUE
Description		Text	Read only	TRUE
Wait resources timeout		Text	Read only	TRUE
Destination MSISDN		Text	Read only	TRUE
Duration		Text	Read only	TRUE
Device selection MO		Text	Read only	TRUE
Fallback	Execute unexistent condition	Text	Read only	TRUE
	Result to meet condition	Text	Read only	TRUE
	Test id	Text	Read only	TRUE
Schedule		Button	-	TRUE
Unschedule		Button	-	TRUE
Clone		Button	-	TRUE
The “ Schedule test ” page will be opened with the information of this test				
"Executions" area - in this area the executions of this test will be listed				
See " Executions " page for more information				

Incoming call test details page

When user selects to see the details of a test of type “Incoming call” the following view will be displayed:

See Fig. 32

The following table presents a description of all the information that the previous screen area will manage:

"Test details" area - in this area we will show a test details				
Field Name	Field Type	Field Status	Visible	Action
Name	Text	Read only	TRUE	-
Type	Text	Read only	TRUE	-
User	Text	Read only	TRUE	-
Description	Text	Read only	TRUE	-
Wait resources timeout	Text	Read only	TRUE	-
Disconnect call MT	Text	Read only	TRUE	-
Duration	Text	Read only	TRUE	-
Expected MO MSISDN	Text	Read only	TRUE	-
Max disconnection delay	Text	Read only	TRUE	-
Wait ringing time	Text	Read only	TRUE	-
Ringing time	Text	Read only	TRUE	-
MO MSISDN	Text	Read only	TRUE	-
Device selection MT	Text	Read only	TRUE	-
Fallback	Execute unexistent condition	Text	Read only	TRUE
	Result to met condition	Text	Read only	TRUE
	Test id	Text	Read only	TRUE
Schedule	Button	-	TRUE	Run this scenario
Unschedule	Button	-	TRUE	Unschedule this scenario
Clone	Button	-	TRUE	The “ Schedule test ” page will be opened with the information of this test
"Executions" area - in this area the executions of this test will be listed				
See " Executions " page for more information				

SMS test details page

When user selects to see the details of a test of type “SMS” the following view will be displayed:

See Fig. 33

The following table presents a description of all the information that the previous screen area will manage:

"Test details" area - in this area we will show a test details					
Field Name		Field Type	Field Status	Visible	Action
Name		Text	Read only	TRUE	-
Type		Text	Read only	TRUE	-
User		Text	Read only	TRUE	-
Description		Text	Read only	TRUE	-
Wait resources timeout		Text	Read only	TRUE	-
Maximum duration		Text	Read only	TRUE	-
Late		Text	Read only	TRUE	-
MSISDN format		Text	Read only	TRUE	-
Text		Text	Read only	TRUE	-
Device selection MO		Text	Read only	TRUE	-
Device selection MT		Text	Read only	TRUE	-
Fallback	Execute unexistent condition	Text	Read only	TRUE	-
	Result to met condition	Text	Read only	TRUE	-
	Test id	Text	Read only	TRUE	-
Schedule		Button	-	TRUE	Run this scenario
Unschedule		Button	-	TRUE	Unschedule this scenario
Clone		Button	-	TRUE	The “Schedule test” page will be opened with the information of this test
"Executions" area - in this area the executions of this test will be listed					
See "Executions" page for more information					

Outgoing SMS test details

When user selects to see the details of a test of type “Outgoing SMS” the following view will be displayed:

See Fig. 34

The following table presents a description of all the information that the previous screen area will manage:

"Test details" area - in this area we will show a test details					
Field Name		Field Type	Field Status	Visible	Action
Name		Text	Read only	TRUE	-
Type		Text	Read only	TRUE	-
User		Text	Read only	TRUE	-
Description		Text	Read only	TRUE	-
Wait resources timeout		Text	Read only	TRUE	-
Maximum duration		Text	Read only	TRUE	-
Destination MSISDN		Text	Read only	TRUE	-
Text		Text	Read only	TRUE	-
Device selection MO		Text	Read only	TRUE	-
Fallback	Execute unexistent condition	Text	Read only	TRUE	-
	Result to met condition	Text	Read only	TRUE	-
	Test id	Text	Read only	TRUE	-
Schedule		Button	-	TRUE	Run this scenario
Unschedule		Button	-	TRUE	Unschedule this scenario
Clone		Button	-	TRUE	The “Schedule test page will be opened with the information of this test
"Executions" area - in this area the executions of this test will be listed					
See "Executions" page for more information					

Incoming SMS test details

When user selects to see the details of a test of type “Incoming SMS” the following view will be displayed:

See Fig. 35

The following table presents a description of all the information that the previous screen area will manage:

"Test details" area - in this area we will show a test details					
Field Name		Field Type	Field Status	Visible	Action
Name		Text	Read only	TRUE	-
Type		Text	Read only	TRUE	-
User		Text	Read only	TRUE	-
Description		Text	Read only	TRUE	-
Wait resources timeout		Text	Read only	TRUE	-
Maximum duration		Text	Read only	TRUE	-
Late time		Text	Read only	TRUE	-
MO MSISDN		Text	Read only	TRUE	-
Text		Text	Read only	TRUE	-
Device selection MT		Text	Read only	TRUE	-
Fallback	Execute unexistent condition	Text	Read only	TRUE	-
	Result to met condition	Text	Read only	TRUE	-
	Test id	Text	Read only	TRUE	-
Schedule		Button	-	TRUE	Run this scenario
Unschedule		Button	-	TRUE	Unschedule this scenario
Clone		Button	-	TRUE	The “ Schedule test ” page will be opened with the information of this test
"Executions" area - in this area the executions of this test will be listed					
See " Executions " page for more information					

Schedule

In “Schedule” menu entry user can schedule a test, scenario or upload a file that will have a group of tests and scenarios.

Schedule scenario

The Schedule test activity will follow the steps described in the flowchart below:

See Fig. 36

When user selects “Schedule > Scenario” menu entry, the “Schedule Scenario” page view will be displayed:

See Fig. 37

The following table presents a description of all the information that the previous screen area will manage:

"Schedule Scenario" area - in this area user will input the scenario details						
Field Name		Field Type	Field Status	Visible	Action	
Name		Text	Write only	TRUE	-	
Description		Text	Write only	TRUE	-	
Create this scenario		Button	-	TRUE	Create this scenario	
"Triggers" sub area - in this area the user can define the trigger that will be associated to this scenario						
See " Triggers " for more information						
"Result action" sub area						
Field Name		Field Type	Field Status	Visible	Action	
Result Actions table	Result		Text	Write only	TRUE	-
	To		Text	Write only	TRUE	-
	Subject		Text	Write only	TRUE	-
	Detailed		Check Box	Write only	TRUE	-
	Message		Text	Write only	TRUE	-
Add		Button	-	TRUE	Create a new empty row in the table	
Remove		Button	-	TRUE	Remove the selected row	
"Tests" sub area						
Field Name		Field Type	Field Status	Visible	Action	
Tests table	Id		Text	Read only	TRUE	-
	Name		Text	Read only	TRUE	-
	Type		Combo box	Read only	TRUE	-
	MO	City	Text	Read only	TRUE	-
		Product type	Text	Read only	TRUE	-
	MT	City	Text	Read only	TRUE	-
		Product type	Text	Read only	TRUE	-
	Fallback	Condition	Text	Write only	TRUE	-
		Test Id	Text	Write only	TRUE	-
Add		Button	-	TRUE	The “ Schedule test ” page will be opened with all fields empty	
Edit		Button	-	TRUE	The " Schedule test ” page will be opened with the selected Test data	
Remove		Button	-	TRUE	Remove the selected row	

Schedule test

The Schedule test activity will follow the steps described in the flowchart below:

See Fig. 38

When user selects "Schedule > Test" menu entry, the "Schedule test" page view will be displayed:

See Fig. 39

The following table presents a description of all the information that the previous screen area will manage:

"Schedule test" area - in this area we will input the test details					
Field Name		Field Type	Field Status	Visible	Action
Test name		Text	Write only	TRUE	-
Test type		Combo box	Write mandatory	TRUE	-
Description		Text	Write only	TRUE	-
Scenario name		Text	Write only	If is on scenario context	-
"Triggers" sub area - in this area the user can define the trigger that will be associated to this test					
See " Triggers " for more information					
"Result action" sub area					
Field Name		Field Type	Field Status	Visible	Action
Result actions table	Result	Text	Write only	TRUE	-
	To	Text	Write only	TRUE	-
	Subject	Text	Write only	TRUE	-
	Detailed	Check Box	Write only	TRUE	-
	Message	Text	Write only	TRUE	-
Add		Button	-	TRUE	Created a new empty row in the table
Remove		Button	-	TRUE	Remove the selected row
When user selects the "Test type", depending on the type selected, some field will become visible					

Schedule call test

If user selects the test type “Call”, the following view will be displayed:

See Fig. 40

The following table presents a description of all the information that the previous screen area will manage:

Field Name	Field Type	Field Status	Default Value	Visible
Wait resources timeout	Text	Write mandatory	-	TRUE
Duration	Text	Write mandatory	-	TRUE
Max dialing delay	Text	Write mandatory	-	TRUE
Ringing time	Text	Write mandatory	-	TRUE
MO	See " Device selection " for more information			
MT				

Schedule outgoing call

If user selects the test type “Outgoing Call”, the following view will be displayed:

See Fig. 41

The following table presents a description of all the information that the previous screen area will manage:

Field Name	Field Type	Field Status	Default Value	Visible
Wait resources timeout	Text	Write mandatory	-	TRUE
Destination MSISDN	Text	Write mandatory	-	TRUE
Duration	Text	Write mandatory	-	TRUE
MO	See " Device selection " for more information			

Schedule incoming call

If user selects the test type “Incoming Call”, the following view will be displayed:

See Fig. 42

The following table presents a description of all the information that the previous screen area will manage:

Field Name	Field Type	Field Status	Default Value	Visible	Action
Wait resources timeout	Text	Write Mandatory	-	TRUE	
Duration	Text	Write Mandatory	-	TRUE	
MO MSISDN	Table	Write Mandatory	-	TRUE	When user inserts one MSISDN, a new row will be created
Expected MO MSISDN	Text	Write Mandatory	-	TRUE	
Waiting ringing time	Text	Write Mandatory	-	TRUE	
Ringing Time	Text	Write Mandatory	-	TRUE	

Schedule SMS

If user selects the test type “SMS”, the following view will be displayed:

See Fig. 43

The following table presents a description of all the information that the previous screen area will manage:

Field Name	Field Type	Field Status	Default Value	Visible
Max duration	Text	Write mandatory	-	TRUE
Late	Text	Write mandatory	-	TRUE
Wait resources timeout	Text	Write mandatory	-	TRUE
Text	Text	Write mandatory	-	TRUE
MO	See " Device selection " for more information			
MT				

Schedule outgoing SMS

If user selects the test type “Outgoing SMS”, the following view will be displayed:

See Fig. 44

The following table presents a description of all the information that the previous screen area will manage:

Field Name	Field Type	Field Status	Default Value	Visible
Max duration	Text	Write mandatory	-	TRUE
Wait resources timeout	Text	Write mandatory	-	TRUE
Destination MSISDN	Text	Write mandatory	-	TRUE
Text	Text	Write mandatory	-	TRUE
MO	See " Device selection " for more information			

Schedule incoming SMS

If user selects the test type “Incoming SMS”, the following view will be displayed:

See Fig. 45

The following table presents a description of all the information that the previous screen area will manage:

Field Name	Field Type	Field Status	Visible	Action
Max duration	Text	Write Mandatory	TRUE	-
Late	Text	Write Mandatory	TRUE	-
Wait resources timeout	Text	Write Mandatory	TRUE	-
Expected MO MSISDN	Text	Write Mandatory	TRUE	-
MO MSISDN	Table	Write Mandatory	TRUE	When user inserts one MSISDN, a new row will be created
Text	Text	Write Mandatory	TRUE	-

Upload file

When user selects the “Schedule > Upload file” menu entry, the following view will be displayed:

See Fig. 46

In this view, user must select an excel file with tests and scenario.

See “Scenarios/Tests” file for more information.

Triggers sub-area

The “Trigger” area will present the information of the trigger associated to a test or scenario.

The user can choose test/scenario to be executed now, create a new Trigger or use an existent one. By default this will be “Execute Now”.

See Fig. 47a

If user selects the type “Add a new timestamp trigger”, the following view will be displayed:

See Fig. 47b

If user selects the type “Add a new cron trigger”, the following view will be displayed:

See Fig. 47c

If user selects to “Find a Trigger”, the following view will be displayed:

See Fig. 47d

The following table presents a description of all the information that the previous screen area will manage the logged user is a “Full access” or “Read and schedule”:

"Triggers" area - in this area the user can define the trigger that will be associated to the test or scenario						
Field Name		Field Type	Field Status	Default Value	Visible	
Type		Combo Box	Write mandatory	Execute Now	TRUE	
Description		Text	Write only	-	TRUE	
Timestamp		Text	Write mandatory	-	If Type is "Add new Timestamp Trigger"	
Cron		Text	Write mandatory	-	If Type is "Add new Cron Trigger"	
Triggers table	-	Check box	Write mandatory	-	If Type is "Find a Trigger"	TRUE
	Type	Text	Read only	-		TRUE
	Description	Text	Read only	-		TRUE
	Cron or Timestamp	Text	Read only	-		If is a "Date Trigger"

The following table presents a description of all the information that the previous screen area will manage if the logged user is a "Read and execute" or "Read only":

"Triggers" area - in this area define the trigger that will be associated to the test or scenario				
Field Name	Field Type	Field Status	Default Value	Visible
Type	Combo Box	Read only	Execute Now	TRUE
Description	Text	Write only	-	TRUE

Device selection

In this area, user can choose the device that will be used on the test. User can choose one specific device or select a device based on some characteristics.

If user selects “Specific device selection”, the following view will be displayed:

TODO

se preencher o nome tem obrigatoriamente que preencher o ICCID ou Nome ou serial

adicionar o IMEI

See Fig. 48

If user selects “Characteristics device selection”, the following view will be displayed:

See Fig. 49

The following table presents a description of all the information that the previous screen area will manage:

Field Name			Field Type	Field Status	Visible	Action
Specific device selection	ICCID		Text	WO	If user selects "Specific device selection"	-
	IMEI		Text	WO		-
	MSISDN to use		Text	WO		-
	Name		Text	WO		-
	Serial		Text	WO		-
Characteristics device selection	Location	City	Combo box	WO	If user selects "Characteristics device selection"	-
		Country	Combo box	WO		-
	Radio provider		Combo box	WO		-
	SIM provider		Combo box	WO		-
	Product type		Combo box	WO		-
	Operation system		Combo box	WO		-
	MSISDN	Country code	Combo box	WO		When user selects one Country code, a new row will be created in this table
		Primary	Check box	WO		

Scenarios/Tests file

When user selects to export a list of tests or scenarios, one excel file will be generated with the following information:

"Overview" sheet	
Field name	Description
Id	According to the type, this id will reference the execution on the corresponding type sheet
Name	-
Type	The type can be: <ul style="list-style-type: none">. Scenario. Call test. Outgoing call test. Incoming call test. SMS test. Outgoing SMS test. Incoming SMS test

"Scenarios" sheet				
Field name	Description			
Id	-			
Description	-			
Tests	<p>List of tests: Each item will have the following structure: "test id" # "execution result" The "test id" reference one of the tests on the "Tests" sheet, and if this test will be called depending on the result of previous test, the character "#" followed by condition.</p> <p>The condition can be: UNEXISTING_RESOURCES UNAVAILABLE_RESOURCE DISCONNECTED_RESOURCE DISCARDED EXPIRED ABORTED UNEXPECTED_ERROR ERROR LATE SUCCESS REBOOTING_RESOURCE</p> <p>Example:</p> <table><tr><td>22</td></tr><tr><td>20#SUCCESS#ERROR</td></tr><tr><td>21</td></tr></table> <p>The first test will be the test "22", when this test is finished and the result is "SUCCESS" or "ERROR" the test 20 will be executed, and when this is finished the test 21 will start.</p>	22	20#SUCCESS#ERROR	21
22				
20#SUCCESS#ERROR				
21				
Triggers	Empty or one of the Ids on the "Triggers" sheet If this field will be left empty, the trigger will be "Execute now"			
Result action	One of the Ids on the "Result actions" sheet			

"Call tests" sheet	
Field name	Description
Id	According to the type, this id will reference the test on the corresponding type sheet
Description	-
Wait resources timeout	-
Duration	-
Max dialing delay	-
Ringing time	-
MO device selection id	The MO id will reference one device selection id present on "Device selection" sheet
MT device selection id	The MT id will reference one device selection id present on "Device selection" sheet
Triggers	Empty or one of the Ids on the "Triggers" sheet If this field will be left empty, the trigger will be "Execute now"
Result action	One of the Ids on the "Result actions" sheet

"Outgoing call tests"	
Field name	Description
Id	According to the type, this id will reference the test on the corresponding type sheet
Description	-
Wait resources timeout	-
Destination MSISDN	-
Duration	-
MO device selection id	The MO id will reference one device selection id present on "Device selection" sheet
Triggers	Empty or one of the Ids on the "Triggers" sheet If this field will be left empty, the trigger will be "Execute now"
Result action	One of the Ids on the "Result actions" sheet

"Incoming call tests" sheet	
Field name	Description
Id	According to the type, this id will reference the test on the corresponding type sheet
Description	-
Wait resources timeout	-
Duration	-
MO MSISDN	-
Expected MO MSISDN	-
Wait ringing time	-
Ringing time	-
MT device selection id	The MT id will reference one device selection id present on "Device selection" sheet
Triggers	Empty or one of the Ids on the "Triggers" sheet If this field will be left empty, the trigger will be "Execute now"
Result action	One of the Ids on the "Result actions" sheet

"SMS tests" sheet	
Field name	Description
Id	According to the type, this id will reference the test on the corresponding type sheet
Description	-
Wait resources timeout	-
Maximum duration	-
Late time	-
Text	-
MO	The MO id will reference one device id present on "Device selection" sheet
MT	The MT id will reference one device id present on "Device selection" sheet
Triggers	Empty or one of the Ids on the "Triggers" sheet If this field will be left empty, the trigger will be "Execute now"
Result action	One of the Ids on the "Result actions" sheet

"Outgoing SMS tests" sheet	
Field name	Description
Id	According to the type, this id will reference the test on the corresponding type sheet
Description	-
Wait resources timeout	-
Maximum duration	-
Destination MSISDN	-
Text	-
MO device selection id	The MO id will reference one device id present on "Device selection" sheet
Triggers	Empty or one of the Ids on the "Triggers" sheet If this field will be left empty, the trigger will be "Execute now"
Result action	One of the Ids on the "Result actions" sheet

"Incoming SMS tests" sheet	
Field name	Description
Id	According to the type, this id will reference the test on the corresponding type sheet
Description	-
Wait resources timeout	-
Maximum duration	-
Late time	-
MO MSISDN	-
Text	-
MT device selection id	The MT id will reference one device id present on "Device selection" sheet
Triggers	Empty or one of the Ids on the "Triggers" sheet If this field will be left empty, the trigger will be "Execute now"
Result action	One of the Ids on the "Result actions" sheet

"Device selection" sheet		
Field name		Description
Id	-	-
Specific device selection	ICCID	-
	MSISDN to use	-
	Name	-
	Serial	-
Characteristics device selection	City	-
	Country	-
	Radio provider	-
	SIM provider	-
	Product type	-
	Operation system	-
	MSISDN	Country code
		Primary

"Triggers sheet	
Field name	Description
Id	According to the type, this id will reference the test on the corresponding type sheet
Description	-
Timestamp or cron	-

"Result actions" sheet	
Field name	Description
Id	According to the type, this id will reference the test on the corresponding type sheet
Result	-
To	-
Subject	-
Detailed	-
Message	-

Executions file

When user selects to export a list of executions, an excel file will be downloaded. This file will have the following information:

"Executions" sheet	
Field name	Description
Execution id	According to the type, this id will reference the execution on the corresponding type sheet
Name	-
Type	The type can be: <ul style="list-style-type: none">. Scenario. Call test. Outgoing call test. Incoming call test. SMS test. Outgoing SMS test. Incoming SMS test

"Scenario executions" sheet				
Field name	Description			
Execution id	-			
Name	-			
Priority	-			
Start execution	-			
Stop execution	-			
Execution result	-			
Tests	List of tests			
	Each item will have the following structure: "test id" # "execution result"			
	The "test id" reference one of the tests on the "Tests" sheet, and if this test will be called depending on the result of previous test, the character "#" followed by condition.			
	The condition can be:			
	UNEXISTING_RESOURCES			
	UNAVAILABLE_RESOURCE			
	DISCONNECTED_RESOURCE			
	DISCARDED			
	EXPIRED			
	ABORTED			
UNEXPECTED_ERROR				
ERROR				
LATE				
SUCCESS				
Example:				
	<table><tr><td>22</td></tr><tr><td>20#SUCCESS#ERROR</td></tr><tr><td>21</td></tr></table>	22	20#SUCCESS#ERROR	21
22				
20#SUCCESS#ERROR				
21				
	The first test will be the test "22", when this test is finished and the result is "SUCCESS" or "ERROR" the test 20 will be executed, and when this is finished the test 21 will start.			

"Call test executions" sheet	
Field name	Description
Execution id	-
Name	-
Execution result	-
Priority	-
Start Execution	-
Stop Execution	-
Destination MSISDN	-
Dialled MSISDN	-
Ringing MSISDN	-
Ringing timestamp	-
Dial timestamp	-
Answer timestamp	-
Ready answer timestamp	-
Disconnect timestamp MO	-
Disconnect timestamp MT	-
Call setup time	-
Radio provider MO	-
Radio provider MT	-
PLMN MO	-
PLMN MT	-
MO device id	This Id will reference one device on "Devices" sheet
MT device id	This Id will reference one device on "Devices" sheet

"Outgoing call test executions" sheet	
Field name	Description
Execution id	-
Test name	-
Priority	-
Start Execution	-
Stop Execution	-
Execution result	-
Destination MSISDN	-
Dialed MSISDN	-
Dial timestamp	-
Disconnect timestamp MO	-
Radio provider MO	-
PLMN MO	-
MO device id	This Id will reference one device on "Devices" sheet

"Incoming call test executions" sheet	
Field name	Description
Execution id	-
Test name	-
Priority	-
Start execution	-
Stop execution	-
Execution result	-
Ringing MSISDN	-
Expected MO MSISDN	-
Ringing timestamp	-
Answer timestamp	-
Disconnect timestamp MT	-
Ready answer timestamp	-
PLMN MT	-
Radio provider MT	-
MT device id	This Id will reference one device on "Devices" sheet

"SMS test executions" sheet	
Field name	Description
Execution id	-
Test name	-
Priority	-
Start execution	-
Stop execution	-
Execution result	-
Destination MSISDN	-
Sent MSISDN	-
Received MSISDN	-
Received timestamp	-
Sent timestamp	-
Sent intent timestamp	-
Parts	-
Text	-
Sent text	-
Received text	-
Radio provider MO	-
Radio provider MT	-
PLMN MO	-
PLMN MT	-
MO device id	This Id will reference one device on "Devices" sheet
MT device id	This Id will reference one device on "Devices" sheet

"Outgoing SMS test executions" sheet	
Field name	Description
Execution id	-
Test name	-
Priority	-
Start execution	-
Stop execution	-
Execution result	-
Destination MSISDN	-
Sent MSISDN	-
Sent timestamp	-
Sent intent timestamp	-
Parts	-
Text	-
Sent text	-
Radio provider MO	-
PLMN MO	-
MO device id	This Id will reference one device on "Devices" sheet

"Incoming SMS test executions" sheet	
Field name	Description
Execution id	-
Test name	-
Priority	-
Start execution	-
Stop execution	-
Execution result	-
Received MSISDN	-
Received timestamp	-
Wait to receive timestamp	-
Parts	-
Text	-
Received text	-
Radio provider MT	-
PLMN MT	-
MT device id	This Id will reference one device on "Devices" sheet

"Devices" sheet	
Field name	Description
Device id	-
Name	-
Radio provider	-
Roaming	-
Serial	-
IMEI	-
ADB	-
Operation system	-
Operation system version	-
ICCID	-
Product type	-
SIM provider	-
Country	-
City	-
IMSI list	-
IMSI in use	-
MSISDN list	-
Primary MSISDN	-

Formato de datas = DD:MM:YYYY

Formato de horas = HH:MM:SS