TETRA Interoperability Certificate

Motorola Solutions, Dimetra IP R9.0, SwMI – Sepura, SC20, Terminal

Kraków, September 2017

Latest Certified SwMI SW Release:	R9.0	**Latest Certified Terminal SW Release:**	1746 019 08522
Latest Certified SwMI HW Release:	Dimetra IP R9.0	**Latest Certified Terminal HW Release:**	TP01STW

ISCTI (Istituto Superiore delle Comunicazioni e delle Tecnologie dell'Informazione) certifies, that the Motorola Solutions, Dimetra IP R9.0, SwMI and the Sepura, SC20, terminal have been subject to interoperability testing for the "certified" features listed on second page of this certificate, in accordance with the TETRA Interoperability Profiles, TIP compliance Test Plan and related TETRA interoperability requirement tables.

The table lists all the available TETRA interoperability profiles, and summarizes the main functionalities of every profile according to the TETRA interoperability requirement tables.

A feature is "Certified" when it has been successfully tested during the last test session with one of the testing method described in the TETRA process document part 1 (TPD001-01).

A breakdown into the feature details is given in the Feature Compliance Overview section of this certificate.

This certificate has been issued following a multiple test session between Motorola Solutions and Sepura on September 2017. Detailed test results are listed in the Test Report associated to this Certificate. Details and explanation about the procedure used to provide verdicts are in the TIC process TPD001-01.

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v1

Certified features

TTR001-01:Core	
Registration	Certified
Group Management	Certified
Group call	Certified
Individual call	Certified
Status messages	Certified
Pre-emptive Priority Call	Certified
Emergency Call	Certified
Cell Re-selection	Certified
PSTN interconnect	Certified
MS-ISDN Numbering	-
In Call Signalling	Certified
Subscriber Class Procedures	Certified
Common Secondary Control Channels	Certified
BS Fallback Operation	Certified
Energy Economy Mode	-
Transmit Inhibit	Certified
Mixed band operation	Certified
TTR001-02:SDS	
SDS Type 1, 2 or 3	-
SDS-TL	Certified
Store and Forward	Certified
Multipart SDS	-
TTR001-03:DGNA	
Support for individually addressed DGNA	Certified

Support for group addressed DGNA	Certified
Tolerance of unsupported DGNA functions	-
TTR001-04:Auth	
SwMI Initiated (non-mutual) Authentication	Certified
SwMI Initiated Authentication made Mutual by MS	Certified
TEI Query	-
TTR001-05:PD	
Context Management	Certified
Single Slot Packet Data	Certified
Multi Slot Packet Data	Certified
TEDS	-
Mixed band operation	Certified
TTR001-06:AIM	
Registration	Certified
Group management	Certified
Group call	Certified
Individual call	Certified
Status/SDS message	Certified
Security	Certified
TTR001-09:AL	
Ambience Listening	Certified
Interaction with Transmit Inhibit	Certified
TTR001-10:E2EE	
E2EE Voice Call	Certified
TTR001-11:AIE	
Security Class 2 Air Interface Encryption	Certified
Security Class 3 Air Interface Encryption	Certified
Security Class 3G Air Interface Encryption	Certified
Management of CMG and GSKO	Certified

Key Status demand	Certified
Change of Security Class for Fallback operation	Certified
Change of Security Class (other than for Fallback operation)	Certified
Key Management for Secure Direct Mode Operation	Certified
TTR001-12:SI	
MS initiated Service Interaction	Certified
SwMI initiated Service Interaction	Certified
Call Waiting	-
TTR001-13:ED	
Enable and temporary disable of an MS	Certified
Permanent disable of an MS	Certified
TTR001-14:TKD	
Delivery of Authentication Data	Certified
Delivery of SCK	Certified
Delivery method	Certified
TTR001-17:RUA	
Radio User Assignment	-
TTR001-19:LIP	
Location Information Protocol	Certified
TTR001-20:CF	
Call Forwarding Unconditional	Certified
Call Forwarding Conditional	Certified
Call Forwarding Information Displayed	-
Management of Call Forwarding	-
TTR001-21:Callout	
Full Calllout	Certified
Simple Callout	Certified
Interaction with other services and events	Certified
Callout Test and Callout Availability	Certified

Callout Text and Callout Pre-Coded Status	Certified
Storage of Callout Information	Certified

Feature Compliance Overview

The first pages of this certificate provide an indication about the main interoperable TETRA features for each TIP specification (as described in the TIC-RT). The main interoperable TETRA features' results depend on a set of sub-features, the verdicts associated to each sub-feature are directly derived from the analysis of the performed test cases.

The results associated to each feature and sub-feature are shown in the "Feature Compliance Report" table below. The main features are indicated with blue background and the associated sub-features (or second level features) have a white background.

The outcome assigned to a feature as shown on page 2, is derived by the Feature Compliance Report tables.

Outcome	Definition
Certified	All required tests have been performed and passed
Partial	Not all the required tests have been performed but none have failed
-	Feature cannot be certified e.g. it is not supported by at least one product, no tests were performed, or some tests were performed but at least one failed

The outcome is derived from the verdict assigned to a sub feature which is the result of an analysis of the test case results listed in the Test Report. The verdict assigned to each sub-feature is derived from one or several test case results or test steps result, the TETRA Interoperability requirement tables (TIC-RTs) indicate the link between sub-features and test cases for the certified set of equipment capabilities (see Test Report).

Verdict	Definition
Passed	All mandated tests or steps of tests linked to this functionality (as per TIC-RT indication) are compliant with the TIP specification relevant to this feature or sub-feature
Incomplete	Not all Mandated tests (as per TIC-RT indication) have been executed
Failed	At least one of mandated test or steps of tests linked to this functionality failed to match the TIP specification relevant to this feature or sub-feature

The verdict associated to the feature or sub-feature gives also indication about the method used to test that feature or sub-feature. The allowed testing Methods are listed in the table below, a complete description of the procedures and constraints associated to each of them can be found in the "TPD001-01 TETRA Interoperability Certification Process Description" document.

Testing Method	Description
Complete	All mandated tests associated to the feature or sub-feature have been executed
Spot	Only a selection of the mandatory test cases associated to the feature or sub-feature has been executed during the test session. These tests are a subset of the tests performed on an equivalent software which has been "completely" tested against the same functionality on a different equipment, see manufacturer declaration in the associated Test Report
Regression	Only a selection of the mandatory test cases associated to the feature or sub-feature has been executed during the test session. These tests are a subset of the tests performed on a previous version of the same software which has been "completely" tested in a previous test session against the same functionality, see manufacturer definition in the associated Test Report
Regression on spot	The regression method (see the previous item) has been applied at this session on the verdicts from the referenced (previous) session where the spot testing method (see above) had been applied.
Witnessed	The TIP heading lines in the Feature Compliance Report indicate whether each TIP is partially or fully witnessed by the Certification Body. Additionally, for a partially-witnessed TIP, the number of witnessed test cases that passed is shown for each the feature and sub-feature. There may have been some un-witnessed passed tests and they will have been found to be successful based on the log file evaluation

Depending on equipment capabilities declared by the manufacturer, some features or sub features cannot be tested. The following table describes meaning of the used abbreviation:

Indication	Definition

Not supported	The SwMI and/or MS do not support the minimum features required to verify these items

ISCTI has made every effort to ensure that every result has been correctly evaluated in accordance with the relevant TIPs, Test Plans and TIC-RTs. ISCTI has no liability for the test results, or towards the manufacturers.

The table on the following page lists HW and SW releases of SwMI and Terminal under test in the last four test sessions and the used TIP specifications, Test Plans and TIC-RTs.

This Certificate and Certificates from previous test sessions are available on the TCCA web site (https://tcca.info/interoperability/interoperability-certificates-and-test-reports/).

The feature results are shown in the tables below.

Information on equipment under test and document references

Test Session Date/Place	**Motorola Solutions, Kraków, September 2017**			
SwMI Type	Dimetra IP R9.0			
SwMI HW Release	Dimetra IP R9.0			
SwMI SW Release	R9.0			
Terminal Type	SC20			
Terminal HW Release	TP01STW			
Terminal SW Release	1746 019 08522			
TIP Specs and TIP Compliance Test Plans				

Core	TTR001-01 v6.2.2 IOP001-01 v3.2.1 TIC-RT001-01 v271			
SDS	TTR001-02 v2.1.3 IOP001-02 v2.1.0 TIC-RT001-02 v222			
DGNA	TTR001-03 v2.0.0 IOP001-03 v2.0.1 TIC-RT001-03 v228			
Auth	TTR001-04 v3.0.0 IOP001-04 v2.0.0 TIC-RT001-04 v230			
PD	TTR001-05 v4.1.0 IOP001-05 v4.1.0 TIC-RT001-05 v405			
AIM	TTR001-06 v2.1.0 IOP001-06 v1.0.0 TIC-RT001-06 v126			
AL	TTR001-09 v2.1.0 IOP001-09 v1.2.0 TIC-RT001-09 v129			
E2EE	TTR001-10 v2.1.0 IOP001-10 v1.2.0 TIC-RT001-10 v128			
AIE	TTR001-11 v3.1.0 IOP001-11 v3.1.0 TIC-RT001-11 v331			
SI	TTR001-12 v1.1.0 IOP001-12 v1.0.0 TIC-RT001-12 v133			
ED	TTR001-13 v2.1.0 IOP001-13 v1.0.0 TIC-RT001-13 v151			
TKD	TTR001-14 v1.0.3 IOP001-14 v1.2.0 TIC-RT001-14 v122			

RUA	TTR001-17 v1.1.0 IOP001-17 v1.0.0 TIC-RT001-17 v114			
LIP	TTR001-19 v1.1.0 IOP001-19 v1.2.0 TIC-RT001-19 v114			
CF	TTR001-20 v1.0.1 IOP001-20 v1.0.0 TIC-RT001-20 v114			
Callout	TTR001-21 v2.1.1 IOP001-21 v2.2.0 TIC-RT001-21 v114			
SwMI Test bench Callout Application SW Release	-Call Out Console v2.7.0 rev 10 - SDTS R02.00.05			

Feature compliance report

Test Session	**Motorola Solutions, September 2017 Krakow**			
Core - Fully Witnessed Testing				
Registration	PASSED Spot 1_pass_of_5			
Initial registration	PASSED Spot 1_pass_of_2			
SwMI initiated location updating	Spot 0_pass_of_2			
LA timer based Periodic location updating	Not Supported			

De-registration	Spot 0_pass_of_1			
Group Management	PASSED Spot 3_pass_of_10			
Single group attachment	PASSED Spot 2_pass_of_5			
Multiple group attachment	PASSED Spot 1_pass_of_4			
MS initiated group detachment	Spot 0_pass_of_1			
SwMI initiated group management	Not Supported			
Group call	PASSED Spot 1_pass_of_9			
Normal group call	Spot 0_pass_of_3			
Late entry	Spot 0_pass_of_1			
Priority Group scanning	PASSED Spot 1_pass_of_3			
Call setup modifications	Spot 0_pass_of_1			
Resource Queuing based on Call Priority	Spot 0_pass_of_1			
Broadcast Call	Not Supported			
Limited coverage notification	Not Supported			
Individual call	PASSED Spot 2_pass_of_7			
Simplex individual call	PASSED Spot 1_pass_of_3			
Duplex individual call	PASSED Spot 1_pass_of_2			
Call setup modifications	Not Supported			
Resource Queuing based on Call Priority	Spot 0_pass_of_2			
Indication of imminent call disconnection	Not Supported			
Status messages	Spot 0_pass_of_1			
Individual addressed Status transfer	Not Supported			
Group addressed Status transfer	Spot 0_pass_of_1			
Pre-emptive Priority Call	Spot 0_pass_of_2			

Pre-emption of Resources	Spot 0_pass_of_1			
Pre-emption of Busy Users	Spot 0_pass_of_1			
Emergency Call	PASSED Spot 1_pass_of_2			
Pre-emption of Resources	PASSED Complete 1_pass_of_1			
Pre-emption of Busy Users	Spot 0_pass_of_1			
Call setup modifications	Not Supported			
Call disconnection by non-call owner	Not Supported			
Cell Re-selection	PASSED Spot 2_pass_of_16			
Undeclared	Spot 0_pass_of_1			
Unannounced	Spot 0_pass_of_3			
Announced - with Call Restoration	PASSED Spot 2_pass_of_12			
Announced - without Call Restoration	Not Supported			
Expedited	Not Supported			
Graceful Service Degradation Mode (GSDM)	Not Supported			
PSTN interconnect	PASSED Spot 1_pass_of_4			
TETRA Originated Call	Spot 0_pass_of_2			
PSTN Originated Call	Spot 0_pass_of_1			
DTMF over-dial	PASSED Complete 1_pass_of_1			
Emergency Telephone Calls	Not Supported			
MS-ISDN Numbering				
MS ISDN - Voice Call	Not Supported			
MS-ISDN Status	Not Supported			
In Call Signalling	PASSED Spot 1_pass_of_5			
Slow Signalling on Traffic Channel (SACCH)	PASSED Spot 1_pass_of_4			

Fast Signalling on Traffic Channel (FACCH)	Spot 0_pass_of_1			
Subscriber Class Procedures	PASSED Spot 2_pass_of_6			
Cell Selection based on Subscriber Class	PASSED Spot 2_pass_of_3			
Subscriber Class Delivery during Location Update	Not Supported			
Use of Subscriber Class Preference Levels	Spot 0_pass_of_3			
Common Secondary Control Channels	PASSED Spot 1_pass_of_7			
One C-SCCH per cell	Spot 0_pass_of_5			
Two C-SCCH per cell	PASSED Spot 1_pass_of_2			
Three C-SCCH per cell	Spot 0_pass_of_2			
BS Fallback Operation	PASSED Spot 2_pass_of_10			
Switch to/from BS Fallback Operation	Spot 0_pass_of_2			
Roaming to avoid a cell in BS Fallback Operation	PASSED Spot 1_pass_of_2			
Services with BS Fallback Operation	PASSED Spot 1_pass_of_5			
Ignore a cell in Fallback Operation	Spot 0_pass_of_1			
User selectable Fallback behaviour	Not Supported			
Energy Economy Mode				
Energy Economy Mode Operation	Not Supported			
Transmit Inhibit	PASSED Spot 6_pass_of_9			
TXI Activation & De-Activation	PASSED Spot 3_pass_of_4			
TXI Activation & De-Activation with TxI Status available to the Dispatcher	PASSED Spot 3_pass_of_4			
Receipt of group addressed service during TXI	Spot 0_pass_of_1			

Mixed band operation	PASSED Spot 1_pass_of_4			
Mixed band operation, inter-cell	PASSED Spot 1_pass_of_4			
Mixed band operation, intra-cell	PASSED Spot 1_pass_of_3			
Mixed band operation, Full	PASSED Spot 1_pass_of_3			
SDS - Fully Witnessed Testing				
SDS Type 1, 2 or 3				
SDS Type 1	Not Supported			
SDS Type 2	Not Supported			
SDS Type 3	Not Supported			
SDS-TL	PASSED Spot 3_pass_of_16			
Individually Addressed	PASSED Spot 1_pass_of_3			
Group Addressed	Spot 0_pass_of_3			
Using MS-ISDN dialling	Not Supported			
SDS Reception	PASSED Spot 1_pass_of_8			
Using UCS2 coding scheme	Spot 0_pass_of_2			
Using 7-bit coding scheme	Spot 0_pass_of_2			
Using 8-bit Latin 1 coding scheme	PASSED Complete 2_pass_of_2			
Using 8-bit Latin/Cyrillic coding scheme	Spot 0_pass_of_2			
Using 8-bit Latin 9 coding scheme	Spot 0_pass_of_2			
Store and Forward	PASSED Spot 1_pass_of_3			
Individually Addressed	PASSED Spot 1_pass_of_3			
Group Addressed	Not Supported			
Multipart SDS				

Multipart SDS	Not Supported			
DGNA - Fully Witnessed Testing				
Support for individually addressed DGNA	PASSED Spot 2_pass_of_11			
Support for individually addressed DGNA assignment without attachment	PASSED Spot 1_pass_of_4			
Support for individually addressed DGNA assignment with attachment as selected group	Spot 0_pass_of_2			
Support for individually addressed DGNA assignment with attachment as scanned group	PASSED Spot 1_pass_of_3			
Support for individually addressed DGNA assignment with rejected attachment	Not Supported			
Support for individually addressed assigment for pre-programmed group	Spot 0_pass_of_5			
Support for group addressed DGNA	PASSED Spot 2_pass_of_5			
Support for group addressed DGNA assignment	PASSED Spot 1_pass_of_2			
Management of 'group assignment lifetime'	Spot 0_pass_of_2			
Support for group addressed DGNA deassignment	PASSED Complete 1_pass_of_1			
Tolerance of unsupported DGNA functions				
MS tolerance of unsupported individual addressed DGNA signalling	Not Supported			
MS tolerance of unsupported group addressed DGNA signalling	Not Supported			
Auth - Fully Witnessed Testing				
SwMI Initiated (non-mutual) Authentication	Spot 0_pass_of_3			
Attach with authentication	Spot 0_pass_of_1			
Roaming with authentication	Spot 0_pass_of_1			
SwMI rejects MS during authentication	Spot 0_pass_of_1			

MS rejects SwMI during authentication	Not Supported			
SwMI Initiated Authentication made Mutual by MS	PASSED Spot 1_pass_of_2			
Attach with authentication	Spot 0_pass_of_1			
Roaming with authentication	PASSED Complete 1_pass_of_1			
TEI Query				
TEI Query Operation	Not Supported			
PD - Fully Witnessed Testing				
Context Management	Spot 0_pass_of_11			
Context Activation	Spot 0_pass_of_7			
User authentication	Spot 0_pass_of_4			
Single Slot Packet Data	PASSED Spot 3_pass_of_10			
Data Transfer	PASSED Spot 1_pass_of_6			
Cell re-selection	PASSED Spot 1_pass_of_3			
Packet Data Channel sharing	PASSED Complete 1_pass_of_1			
Multi Slot Packet Data	PASSED Spot 2_pass_of_4			
Data Transfer	PASSED Spot 2_pass_of_4			
TEDS				
TEDS with Context Activation	Not Supported			
TEDS Data Transmission, using LLC Optimisation	Not Supported			
TEDS Cell Reselection, using LLC Optimisation	Not Supported			
Mixed band operation	PASSED Spot 1_pass_of_2			
Mixed band operation, inter-cell	PASSED Spot			

	1_pass_of_2			
Mixed band operation, intra-cell	PASSED Spot 1_pass_of_2			
Mixed band operation, Full	PASSED Spot 1_pass_of_2			
AIM - Fully Witnessed Testing				
Registration	PASSED Complete 4_pass_of_4			
Migrating	PASSED Complete 4_pass_of_4			
Group management	PASSED Complete 1_pass_of_1			
Local group attachment on Foreign SwMI	PASSED Complete 1_pass_of_1			
Foreign group attachment	Not Supported			
Group call	PASSED Complete 1_pass_of_1			
Group call to local group on foreign SwMI	PASSED Complete 1_pass_of_1			
Group call to foreign group	Not Supported			
Individual call	PASSED Complete 2_pass_of_2			
SSI/TSI addressed	PASSED Complete 1_pass_of_1			
FSSN addressed	Not Supported			
MS-ISDN addressed	PASSED Complete 1_pass_of_1			
Status/SDS message	PASSED Complete 3_pass_of_3			
Individually addressed SDS	PASSED Complete 1_pass_of_1			
Group addressed SDS	PASSED Complete 1_pass_of_1			

Individually addressed Status	Not Supported			
Group addressed Status	Not Supported			
SDS Store & Forward	Not Supported			
TxI Status	PASSED Complete 1_pass_of_1			
Security	PASSED Complete 1_pass_of_1			
Air Interface Encryption, Class 3	PASSED Complete 1_pass_of_1			
AL - Fully Witnessed Testing				
Ambience Listening	PASSED Spot 1_pass_of_5			
SS-AL Call Setup	Spot 0_pass_of_2			
MS initiated SS-AL disconnection	PASSED Spot 1_pass_of_3			
No Indication to affected user	PASSED Spot 1_pass_of_5			
Interaction with Transmit Inhibit	PASSED Spot 1_pass_of_2			
AL can override TxI	PASSED Complete 1_pass_of_1			
AL cannot override TxI	Spot 0_pass_of_1			
E2EE - Fully Witnessed Testing				
E2EE Voice Call	PASSED Spot 2_pass_of_10			
Individual (P2P) call	PASSED Spot 1_pass_of_4			
Group (P2MP) call	Spot 0_pass_of_2			
Clear Voice Override (CVO): Acceptance	Spot 0_pass_of_1			
Clear Voice Override (CVO): User Initiated	Spot 0_pass_of_2			
Clear Voice Override (CVO): Automatic	PASSED Complete 1_pass_of_1			

AIE - Fully Witnessed Testing				
Security Class 2 Air Interface Encryption	PASSED Spot 5_pass_of_20			
Location Updating and AI Signalling Protection	PASSED Spot 1_pass_of_7			
TM-SCK provisioning during location updating	Spot 0_pass_of_2			
Communications between parties using encryption	PASSED Spot 1_pass_of_2			
Communications between clear and encrypted parties	Spot 0_pass_of_3			
Communications between encrypted parties on a channel designated to operate in clear	PASSED Spot 1_pass_of_2			
OTAR of TM-SCK	Spot 0_pass_of_2			
Change of TM-SCK	PASSED Spot 1_pass_of_4			
Packet Data with Class 2 Air Interface Encryption	PASSED Spot 1_pass_of_2			
Tolerance of SwMI not supporting SCK-OTAR	Not Supported			
Security Class 3 Air Interface Encryption	PASSED Spot 5_pass_of_25			
Clear Location Updating and AI Signalling Protection	Spot 0_pass_of_4			
Encrypted Location Updating and AI Signalling Protection	PASSED Spot 2_pass_of_8			
DCK Forwarding at MS request	Not Supported			
DCK Forwarding by SwMI (without MS request)	Spot 0_pass_of_1			
DCK Retrieval	PASSED Spot 2_pass_of_7			
CCK provisioning during location updating	PASSED Spot 1_pass_of_7			
Communications between parties using encryption	Spot 0_pass_of_2			

Communications between clear and encrypted parties	PASSED Spot 1_pass_of_3			
Communications between encrypted parties on a channel designated to operate in clear	PASSED Spot 1_pass_of_2			
OTAR of CCK	Spot 0_pass_of_2			
Change of CCK	PASSED Spot 1_pass_of_4			
Packet Data with Class 3 Air Interface Encryption	Spot 0_pass_of_2			
Security Class 3G Air Interface Encryption	PASSED Spot 3_pass_of_8			
GCK Key Association setting	Spot 0_pass_of_2			
Communications between parties using encryption	Spot 0_pass_of_2			
Communications between clear and encrypted parties	PASSED Complete 1_pass_of_1			
OTAR of GCK	PASSED Spot 1_pass_of_2			
Change of GCK	PASSED Spot 2_pass_of_3			
Management of CMG and GSKO	Spot 0_pass_of_5			
OTAR and change of CMG and GSKO	Spot 0_pass_of_5			
Key Status demand	Spot 0_pass_of_4			
SCK Key Status demand	Spot 0_pass_of_2			
GCK Key Status demand	Spot 0_pass_of_1			
GSKO Key Status demand	Spot 0_pass_of_1			
Change of Security Class for Fallback operation	PASSED Spot 3_pass_of_12			
Seamless change to Security Class 2 for BS Fallback operation	PASSED Spot 3_pass_of_10			
Non-seamless change to Security Class 2 for BS Fallback operation	Not Supported			
Provisioning of TM-SCK for fallback to Security Class 2 operation	Spot 0_pass_of_2			

Change to Security Class 1 for BS Fallback operation	Not Supported			
Change of Security Class (other than for Fallback operation)	PASSED Spot 1_pass_of_5			
Change between Security Class 3 and Security Class 3G	PASSED Spot 1_pass_of_2			
Change between Security Class 2 and Security Class 3	Spot 0_pass_of_2			
Change from Security Class 3G to Security Class 2	Spot 0_pass_of_1			
Key Management for Secure Direct Mode Operation	Spot 0_pass_of_3			
OTAR of DM-SCK	Spot 0_pass_of_3			
Change of DM-SCK	Spot 0_pass_of_2			
SI - Fully Witnessed Testing				
MS initiated Service Interaction	PASSED Spot 2_pass_of_6			
MS initiated Circuit Mode Call during another Circuit Mode Call	PASSED Spot 1_pass_of_4			
MS initiated Circuit Mode Call during Packet Mode Transfer	PASSED Spot 1_pass_of_2			
MS initiated Packet Mode Transfer during Circuit Mode Call	Not Supported			
SwMI initiated Service Interaction	PASSED Spot 1_pass_of_8			
SwMI initiated Circuit Mode Call during another Circuit Mode Call	Spot 0_pass_of_6			
SwMI initiated Circuit Mode Call during Packet Mode Transfer	PASSED Spot 1_pass_of_2			
SwMI initiated Packet Mode Transfer during Circuit Mode Call	Not Supported			
Call Waiting				
Call Waiting in Individual Call	Not Supported			
Call Waiting in Group Call	Not Supported			

ED - Fully Witnessed Testing				
Enable and temporary disable of an MS	PASSED Spot 2_pass_of_8			
Enable and temporary disable of an MS without authentication	Spot 0_pass_of_2			
Enable and temporary disable of an MS with authentication	Not Supported			
Registration of a temporary disabled MS	Spot 0_pass_of_2			
Rejection of applicable invalid enable/disable requests	PASSED Spot 1_pass_of_3			
Removable SIMs do not affect the subscriber or equipment that has been enabled/disabled	Not Supported			
Disabling of an MS during a call or while on the PDCH	PASSED Complete 1_pass_of_1			
Permanent disable of an MS	Spot 0_pass_of_2			
Permanent disable of an MS with authentication	Spot 0_pass_of_1			
Permanently Disabled MS cannot send air interface signalling	Spot 0_pass_of_1			
TKD - Fully Witnessed Testing				
Delivery of Authentication Data	PASSED Spot 1_pass_of_2			
Authentication Key Delivery	PASSED Complete 1_pass_of_1			
ITSI Delivery	Spot 0_pass_of_1			
Delivery of SCK	Spot 0_pass_of_1			
SCK Delivery to SCK delivery	Not Supported			
SCK Delivery to SwMI	Spot 0_pass_of_1			
SCK Delivery to SCK loading	Not Supported			
Delivery method	PASSED Spot 1_pass_of_3			
Plain text on physical media	PASSED Spot 1_pass_of_3			

Encrypted text on physical media	Not Supported			
Electronic transfer	Not Supported			
RUA - Fully Witnessed Testing				
Radio User Assignment	FAILED Spot 2_pass_of_13			
Radio User Assignment at Location Updating	Spot 0_pass_of_6			
Dispatcher initiated Radio User Assignment	FAILED Spot 0_pass_of_2			
Radio User Dis-assignment	PASSED Spot 2_pass_of_5			
LIP - Fully Witnessed Testing				
Location Information Protocol	PASSED Spot 5_pass_of_22			
LIP over SDS	PASSED Spot 2_pass_of_11			
LIP over Packet Data	Not Supported			
Time based reporting	PASSED Spot 1_pass_of_5			
Distance based reporting - NOT TESTABLE	Not Supported			
Reporting using Short reports	Spot 0_pass_of_2			
Reporting using Long reports	Spot 0_pass_of_2			
Reporting Enable & Disable	PASSED Spot 1_pass_of_2			
User control of Reporting	Spot 0_pass_of_1			
Temporary reporting control	PASSED Complete 1_pass_of_1			
Trigger modification	Spot 0_pass_of_1			
Control of Basic Location Parameters	Spot 0_pass_of_1			
Immediate Location Reporting	Spot 0_pass_of_1			
Reporting Lifetimes	Spot 0_pass_of_1			
Error Reporting using Long Reports	Spot 0_pass_of_1			
Error Reporting using Short Reports	PASSED Complete			

	1_pass_of_1			
Positioning on Individual Call Setup	Not Supported			
CF - Fully Witnessed Testing				
Call Forwarding Unconditional	Spot 0_pass_of_1			
Call Forwarding Unconditional Individual Call	Spot 0_pass_of_1			
Call Forwarding Unconditional SDS	Not Supported			
Call Forwarding Unconditional Status	Not Supported			
Call Forwarding Conditional	PASSED Spot 1_pass_of_3			
Call Forwarding Conditional Individual Call	PASSED Spot 1_pass_of_3			
Call Forwarding Information Displayed				
Call Forwarding Information Displayed	Not Supported			
Management of Call Forwarding				
Change of Call Forwarding Activation Status by Served User	Not Supported			
Setting of Call Forwarding Parameters by Served User	Not Supported			
Callout - Fully Witnessed Testing				
Full Calllout	PASSED Spot 3_pass_of_15			
Individually Addressed Full Callout with request for Terminal Receipt message and with request for User Receipt message	Spot 0_pass_of_2			
Group Addressed Full Callout without request for Terminal Receipt message and without request for User Receipt message	Spot 0_pass_of_2			
Using current selected group during Full Callout	Spot 0_pass_of_1			
Full Callout with immediate change to Callout Group	Spot 0_pass_of_2			
Full Callout with change to Callout Group on non-rejecting user response	Spot 0_pass_of_1			
Full Callout with rejecting User Receipt message	Spot 0_pass_of_1			

Full Callout with timeout for User Receipt message	PASSED Complete 1_pass_of_1			
Callout Incident Information messages	Spot 0_pass_of_2			
Group Call to Callout Group	PASSED Spot 1_pass_of_4			
End of Full Callout	PASSED Spot 1_pass_of_3			
Simple Callout	PASSED Spot 1_pass_of_6			
Individually Addressed Callout with request for Terminal Receipt message and with request for User Receipt message	Spot 0_pass_of_1			
Individually Addressed Callout with request for Terminal Receipt message and without request for User Receipt message	Spot 0_pass_of_1			
Group Addressed Callout without request for Terminal Receipt message and without request for User Receipt message	Spot 0_pass_of_1			
Group Addressed Callout without request for Terminal Receipt message and with request for User Receipt message	Spot 0_pass_of_1			
Simple Callout with rejecting User Receipt message	Spot 0_pass_of_1			
Simple Callout with timeout for User Receipt message	PASSED Complete 1_pass_of_1			
Interaction with other services and events	PASSED Spot 6_pass_of_30			
Interaction with previous Callout	Spot 0_pass_of_2			
Interaction with emergency call	PASSED Spot 1_pass_of_4			
Interaction with non-emergency call	PASSED Spot 5_pass_of_11			
Interaction with data and status	Spot 0_pass_of_11			

Interaction with local services	Not Supported			
Manual exit	Spot 0_pass_of_2			
Callout Test and Callout Availability	Spot 0_pass_of_2			
Callout Test	Spot 0_pass_of_2			
Callout Availability	Not Supported			
Callout Availability request	Not Supported			
Callout Text and Callout Pre-Coded Status	PASSED Spot 4_pass_of_15			
Callout Text	PASSED Spot 1_pass_of_6			
Concatenated Callout Text using Callout Specific Concatenation	PASSED Spot 1_pass_of_2			
Concatenated Callout Text using mSDS	Not Supported			
Callout Pre-Coded Status	PASSED Spot 2_pass_of_7			
Storage of Callout Information	Spot 0_pass_of_2			
Viewing Callout information from previous Callout(s)	Spot 0_pass_of_1			
Deletion of Callout information from previous Callout(s)	Spot 0_pass_of_1			