

# TETRA Interoperability Certificate

## Trunked Mode Operation

**Motorola Solutions, DIMETRA X Core – SwMI**  
**Motorola Solutions, MTP8550Ex – Terminal**

**Test Session #192, hosted by Motorola Solutions in Krakow, May 2023**

<b>Latest Certified SwMI SW Release:</b>	R9.2.0	<b>Latest Certified MS SW Release:</b>	MR2022.4
<b>Latest Certified SwMI HW Release:</b>	DIMETRA X Core R9.2.0	<b>Latest Certified MS HW Release:</b>	PT951NPEEX

ISCTI (Istituto Superiore delle Comunicazioni e delle Tecnologie dell'Informazione) certifies, that the Motorola Solutions DIMETRA X Core SwMI and the Motorola Solutions MTP8550Ex Terminal have been subject to interoperability testing for the "Certified" features listed on the second page of this certificate, in accordance with the TETRA Interoperability Profiles, TIP compliance Test Plan and the related TETRA interoperability requirement tables.

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

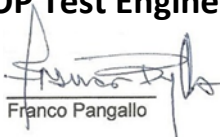
A feature is "Certified" when it has been successfully tested during the last test session with one of the testing method described in the TETRA process document part 1 (TPD001-01).

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 Motorola Solutions in May 2023. 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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**Date of Issue:**  
**21 December 2023**  
**v 1**

## Certified features

<b>Tetra Association TTR001-01: Core</b>	
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	Certified
Transmit Inhibit	Certified
Mixed band operation	Certified
<b>Tetra Association TTR001-02: SDS</b>	
SDS Type 1, 2 or 3	-
SDS-TL	Certified
Store and Forward	Certified
Multipart SDS	-
<b>Tetra Association TTR001-03: DGNA</b>	
Support for individually addressed DGNA	Certified
Support for group addressed DGNA	Certified
Tolerance of unsupported DGNA functions	-
<b>Tetra Association TTR001-04: AUTH</b>	
SwMI Initiated (non-mutual) Authentication	Certified
SwMI Initiated Authentication made Mutual by MS	Certified
TEI Query using "Authentication downlink"	-
HW, SW version, TEI and/or Model number	-

<b>Tetra Association TTR001-05: PD</b>	
<b>Context Management</b>	Certified
<b>Single Slot Packet Data</b>	Certified
<b>Multi Slot Packet Data</b>	Certified
<b>TEDS</b>	-
<b>Mixed band operation</b>	Certified
<b>Tetra Association TTR001-09: AL</b>	
<b>Ambience Listening</b>	Certified
<b>Interaction with Transmit Inhibit</b>	Certified
<b>Tetra Association TTR001-10: E2EE</b>	
<b>E2EE Voice Call</b>	Certified
<b>E2EE Short Data</b>	Certified
<b>Tetra Association TTR001-11: AIE</b>	
<b>Security Class 2 Air Interface Encryption</b>	Certified
<b>Security Class 3 Air Interface Encryption</b>	Certified
<b>Security Class 3G Air Interface Encryption</b>	Certified
<b>Management of CMG and GSKO</b>	Certified
<b>Key Status demand</b>	Certified
<b>Change of Security Class for Fallback operation</b>	Certified
<b>Change of Security Class (other than for Fallback operation)</b>	Certified
<b>Key Management for Secure Direct Mode Operation</b>	Certified
<b>Tetra Association TTR001-12: SI</b>	
<b>MS initiated Service Interaction</b>	Certified
<b>SwMI initiated Service Interaction</b>	Certified
<b>Call Waiting</b>	Certified
<b>Tetra Association TTR001-13: ED</b>	
<b>Enable and temporary disable of an MS</b>	Certified
<b>Permanent disable of an MS</b>	Certified
<b>Tetra Association TTR001-14: TKD</b>	
<b>Delivery of Authentication Data</b>	Certified
<b>Delivery of SCK</b>	Certified
<b>Delivery method</b>	Certified
<b>Tetra Association TTR001-17: RUA</b>	
<b>Radio User Assignment</b>	Certified
<b>Tetra Association TTR001-19: LIP</b>	
<b>Location Information Protocol</b>	Certified

Tetra Association TTR001-20: CF	
Call Forwarding Unconditional	Certified
Call Forwarding Conditional	Certified
Call Forwarding Information Displayed	Certified
Management of Call Forwarding	Certified
Tetra Association TTR001-21: CallOut	
Full Callout	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
Graceful Service Degradation Mode (GSDM)	-

## 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
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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

	<p>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</p>
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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
<b>Not Supported</b>	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 tables on the following page list HW and SW releases of SwMI and Terminal under test 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://tandcca.com/interoperability/interoperability-certificates-and-test-reports/>).

The feature results are shown in the tables below.

## Information on equipment under test

<b>SwMI Manufacturer</b>	Motorola Solutions
<b>SwMI Model</b>	DIMETRA X Core
<b>SwMI HW Release</b>	DIMETRA X Core R9.2.0
<b>SwMI SW Release</b>	R9.2.0
<b>MS Manufacturer</b>	Motorola Solutions
<b>MS Model</b>	MTP8550Ex
<b>MS HW Release</b>	PT951NPEEX
<b>MS SW Release</b>	MR2022.4

## Document references

<b>Core</b>	TTR001-01 v6.4.0 IOP001-01 v3.4.0 TIC-RT001-01 v279
<b>SDS</b>	TTR001-02 v2.1.3 IOP001-02 v2.2.0 TIC-RT001-02 v225
<b>DGNA</b>	TTR001-03 v2.2.0 IOP001-03 v2.3.0 TIC-RT001-03 v235
<b>AUTH</b>	TTR001-04 v3.2.0 IOP001-04 v2.1.0 TIC-RT001-04 v234
<b>PD</b>	TTR001-05 v4.1.0 IOP001-05 v4.1.0 TIC-RT001-05 v408
<b>AL</b>	TTR001-09 v2.1.0 IOP001-09 v1.2.0 TIC-RT001-09 v132
<b>E2EE</b>	TTR001-10 v2.1.0 IOP001-10 v1.3.0 TIC-RT001-10-1 v133
<b>AIE</b>	TTR001-11 v3.2.0 IOP001-11 v3.2.0 TIC-RT001-11 v337
<b>SI</b>	TTR001-12 v1.1.0 IOP001-12 v1.0.0 TIC-RT001-12 v137
<b>ED</b>	TTR001-13 v2.1.0 IOP001-13 v1.0.0 TIC-RT001-13 v153
<b>TKD</b>	TTR001-14 v1.0.3 IOP001-14 v1.2.0 TIC-RT001-14 v125

<b>RUA</b>	TTR001-17 v1.1.0 IOP001-17 v1.0.0 TIC-RT001-17 v117
<b>LIP</b>	TTR001-19 v1.1.0 IOP001-19 v1.3.0 TIC-RT001-19 v118
<b>CF</b>	TTR001-20 v1.0.1 IOP001-20 v1.0.0 TIC-RT001-20 v117
<b>CallOut</b>	TTR001-21 v2.1.1 IOP001-21 v2.4.0 TIC-RT001-21 v119



## Feature compliance report

Core - Fully Witnessed Testing	
Registration	PASSED Spot 2_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	PASSED Complete 1_pass_of_1
Group Management	PASSED Spot 2_pass_of_11
Single group attachment	PASSED Spot 1_pass_of_5
Multiple group attachment	Spot 0_pass_of_4
MS initiated group detachment	PASSED Spot 1_pass_of_2
SwMI initiated group detachment	Not Supported
SwMI initiated group attachment	Not Supported
Group call	PASSED Spot 2_pass_of_10
Normal group call	Spot 0_pass_of_3
Late entry	PASSED Complete 1_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	Spot 0_pass_of_1
Limited coverage notification	Not Supported

Individual call	PASSED Spot 1_pass_of_10
Simplex individual call	Spot 0_pass_of_4
Duplex individual call	PASSED Spot 1_pass_of_2
Call setup modifications	Spot 0_pass_of_2
Resource Queuing based on Call Priority	Spot 0_pass_of_2
Indication of imminent call disconnection	Not Supported
Status messages	Spot 0_pass_of_2
Individual addressed Status transfer	Spot 0_pass_of_1
Group addressed Status transfer	Spot 0_pass_of_1
Pre-emptive Priority Call	PASSED Spot 1_pass_of_3
Pre-emption of Resources	PASSED Complete 1_pass_of_1
Pre-emption of Busy Users	Spot 0_pass_of_2
Emergency Call	PASSED Spot 1_pass_of_3
Pre-emption of Resources	Spot 0_pass_of_2
Pre-emption of Busy Users	PASSED Complete 1_pass_of_1
Call setup modifications	Not Supported
Call disconnection by non-call owner	Not Supported
Cell Re-selection	PASSED Spot 3_pass_of_16
Undeclared	Spot 0_pass_of_1
Unannounced	PASSED Spot 2_pass_of_7
Announced - with Call Restoration	PASSED Spot 1_pass_of_8
Announced - without Call Restoration	Not Supported

Expedited	Not Supported
Graceful Service Degradation Mode (GSDM)	Not Supported
Single-site operation	Not Supported
PSTN interconnect	PASSED Spot 1_pass_of_4
TETRA Originated Call	PASSED Spot 1_pass_of_2
PSTN Originated Call	Spot 0_pass_of_1
DTMF over-dial	Spot 0_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 2_pass_of_5
Slow Signalling on Traffic Channel (SACCH)	PASSED Spot 1_pass_of_4
Fast Signalling on Traffic Channel (FACCH)	PASSED Complete 1_pass_of_1
Subscriber Class Procedures	PASSED Spot 2_pass_of_7
Cell Selection based on Subscriber Class	PASSED Spot 1_pass_of_4
Subscriber Class Delivery during Location Update	Not Supported
Use of Subscriber Class Preference Levels	PASSED Spot 1_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 1_pass_of_11
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
Roaming to and from a cell in BS Fallback operation offering some services	Not Supported
Services with BS Fallback Operation	Spot 0_pass_of_6
Ignore a cell in Fallback Operation	Spot 0_pass_of_1
User selectable Fallback behaviour	Not Supported
Energy Economy Mode	PASSED Spot 1_pass_of_4
Energy Economy Mode Operation	PASSED Spot 1_pass_of_4
Transmit Inhibit	PASSED Spot 1_pass_of_8
TXI Activation & De-Activation	PASSED Spot 1_pass_of_4
TXI Activation & De-Activation with TxI Status available to the Dispatcher	Spot 0_pass_of_3
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
<b>SDS - Fully Witnessed Testing</b>	
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 4_pass_of_14
Individually Addressed	Spot 0_pass_of_3
Group Addressed	PASSED Spot 2_pass_of_3
Using MS-ISDN dialling	Not Supported

SDS Reception	PASSED Spot 2_pass_of_7
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	Spot 0_pass_of_2
Using 8-bit Latin/Cyrillic coding scheme	Not Supported
Using 8-bit Latin 9 coding scheme	PASSED Complete 2_pass_of_2
Store and Forward	PASSED Spot 2_pass_of_3
Individually Addressed	PASSED Spot 2_pass_of_3
Group Addressed	Not Supported
Multipart SDS	
Multipart SDS	Not Supported
<b>DGNA - Fully Witnessed Testing</b>	
Support for individually addressed DGNA	PASSED Spot 4_pass_of_17
Support for individually addressed DGNA assignment without attachment	PASSED Spot 2_pass_of_4
Support for individually addressed DGNA assignment with attachment as selected group	PASSED Spot 1_pass_of_2
Support for individually addressed DGNA assignment with attachment as scanned group	Spot 0_pass_of_3
Support for individually addressed DGNA assignment with rejected attachment	Not Supported
Support for individually addressed assignment for pre-programmed group	PASSED Spot 1_pass_of_6
Support for assigning multiple DGNA groups	PASSED Spot 1_pass_of_2
Support for assigning multiple pre-programmed groups	Spot 0_pass_of_1
Support for removing multiple DGNA groups	Spot 0_pass_of_1
Support for retaining DGNA groups over a power cycle	Spot 0_pass_of_2

Support for group addressed DGNA	PASSED Spot 1_pass_of_5
Support for group addressed DGNA assignment	Spot 0_pass_of_2
Management of 'group assignment lifetime'	PASSED Spot 1_pass_of_2
Support for group addressed DGNA deassignment	Spot 0_pass_of_1
<b>Tolerance of unsupported DGNA functions</b>	
MS tolerance of unsupported individual addressed DGNA signalling	Not Supported
MS tolerance of unsupported group addressed DGNA signalling	Not Supported
<b>Auth - Fully Witnessed Testing</b>	
SwMI Initiated (non-mutual) Authentication	PASSED Spot 1_pass_of_3
Attach with authentication	Spot 0_pass_of_1
Roaming with authentication	PASSED Complete 1_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	PASSED Complete 1_pass_of_1
Roaming with authentication	Spot 0_pass_of_1
<b>TEI Query using "Authentication downlink"</b>	
TEI Query using "Authentication downlink" Operation	Not Supported
<b>HW, SW version, TEI and/or Model number</b>	
Transfer of HW, SW version, TEI and/or Model number	Not Supported
<b>PD - Fully Witnessed Testing</b>	
Context Management	PASSED Spot 3_pass_of_11
Context Activation	PASSED Spot 2_pass_of_7

User authentication	PASSED Spot 1_pass_of_4
Single Slot Packet Data	PASSED Spot 3_pass_of_11
Data Transfer	PASSED Spot 2_pass_of_7
Cell re-selection	PASSED Spot 1_pass_of_3
Packet Data Channel sharing	Spot 0_pass_of_1
Multi Slot Packet Data	PASSED Spot 1_pass_of_4
Data Transfer	PASSED Spot 1_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
<b>AL - Fully Witnessed Testing</b>	
Ambience Listening	PASSED Spot 2_pass_of_5
SS-AL Call Setup	PASSED Complete 2_pass_of_2
MS initiated SS-AL disconnection	Spot 0_pass_of_3
No Indication to affected user	PASSED Spot 2_pass_of_5
Interaction with Transmit Inhibit	Spot 0_pass_of_1
AL can override TxI	Not Supported
AL cannot override TxI	Spot 0_pass_of_1

<b>E2EE - Fully Witnessed Testing</b>	
E2EE Voice Call	PASSED Spot 2_pass_of_9
Individual (P2P) call	Spot 0_pass_of_4
Group (P2MP) call	PASSED Spot 1_pass_of_2
Clear Voice Override (CVO): Acceptance	Spot 0_pass_of_1
Clear Voice Override (CVO): User Initiated	Not Supported
Clear Voice Override (CVO): Automatic	Spot 0_pass_of_1
OTAK key delivery	PASSED Complete 1_pass_of_1
E2EE Short Data	PASSED Spot 2_pass_of_9
Short Data	PASSED Spot 2_pass_of_9
Multipart Short Data	Not Supported
Short Data Reception	PASSED Spot 1_pass_of_5
Multipart Short Data Reception	Not Supported
<b>AIE - Fully Witnessed Testing</b>	
Security Class 2 Air Interface Encryption	PASSED Spot 2_pass_of_20
Location Updating and AI Signalling Protection	PASSED Spot 1_pass_of_7
TM-SCK provisioning during location updating	PASSED Spot 1_pass_of_2
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	Spot 0_pass_of_2
OTAR of TM-SCK	Spot 0_pass_of_2
Change of TM-SCK	Spot 0_pass_of_4



Packet Data with Class 2 Air Interface Encryption	Spot 0_pass_of_2
Tolerance of SwMI not supporting SCK-OTAR	Not Supported
Security Class 3 Air Interface Encryption	PASSED Spot 2_pass_of_21
Clear Location Updating and AI Signalling Protection	Spot 0_pass_of_3
Encrypted Location Updating and AI Signalling Protection	Spot 0_pass_of_5
DCK Forwarding at MS request	Not Supported
DCK Forwarding by SwMI (without MS request)	Spot 0_pass_of_1
DCK Retrieval	Spot 0_pass_of_4
CCK provisioning during location updating	Spot 0_pass_of_3
Communications between parties using encryption	Spot 0_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 CCK	PASSED Spot 1_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_9
GCK Key Association setting	Spot 0_pass_of_3
Communications between parties using encryption	PASSED Spot 1_pass_of_2
Communications between clear and encrypted parties	Spot 0_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	PASSED Spot 1_pass_of_5
OTAR and change of CMG and GSKO	PASSED Spot 1_pass_of_5
Key Status demand	PASSED Complete 4_pass_of_4
SCK Key Status demand	PASSED Complete 2_pass_of_2
GCK Key Status demand	PASSED Complete 1_pass_of_1
GSKO Key Status demand	PASSED Complete 1_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 2_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	PASSED Spot 1_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 2_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	PASSED Complete 1_pass_of_1
Key Management for Secure Direct Mode Operation	PASSED Spot 1_pass_of_3
OTAR of DM-SCK	PASSED Spot 1_pass_of_3
Change of DM-SCK	Spot 0_pass_of_2
<b>SI - Fully Witnessed Testing</b>	
MS initiated Service Interaction	PASSED Spot 1_pass_of_7
MS initiated Circuit Mode Call during another Circuit Mode Call	PASSED Spot 1_pass_of_5

MS initiated Circuit Mode Call during Packet Mode Transfer	Spot 0_pass_of_2
MS initiated Packet Mode Transfer during Circuit Mode Call	Not Supported
SwMI initiated Service Interaction	PASSED Spot 3_pass_of_8
SwMI initiated Circuit Mode Call during another Circuit Mode Call	PASSED Spot 2_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	PASSED Spot 2_pass_of_6
Call Waiting in Individual Call	PASSED Spot 1_pass_of_3
Call Waiting in Group Call	PASSED Spot 1_pass_of_3
<b>ED - Fully Witnessed Testing</b>	
Enable and temporary disable of an MS	PASSED Spot 3_pass_of_8
Enable and temporary disable of an MS without authentication	PASSED Complete 2_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	Spot 0_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
<b>TKD - Fully Witnessed Testing</b>	
Delivery of Authentication Data	PASSED Spot 1_pass_of_2
Authentication Key Delivery	Spot 0_pass_of_1
ITSI Delivery	PASSED Complete 1_pass_of_1
Delivery of SCK	Spot 0_pass_of_2
SCK Delivery to SCK delivery	Not Supported
SCK Delivery to SwMI	Spot 0_pass_of_1
SCK Delivery to SCK loading	Spot 0_pass_of_1
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
<b>RUA - Fully Witnessed Testing</b>	
Radio User Assignment	PASSED Spot 4_pass_of_14
Radio User Assignment at Location Updating	PASSED Spot 2_pass_of_6
Dispatcher initiated Radio User Assignment	PASSED Spot 1_pass_of_2
Radio User Dis-assignment	PASSED Spot 1_pass_of_6
<b>LIP - Fully Witnessed Testing</b>	
Location Information Protocol	PASSED Spot 8_pass_of_29
LIP over SDS	PASSED Spot 3_pass_of_13
LIP over Packet Data	PASSED Spot 1_pass_of_2

Time based reporting	PASSED Spot 2_pass_of_7
Distance based reporting - NOT TESTABLE	Not Supported
Reporting using Short reports	Spot 0_pass_of_3
Reporting using Long reports	PASSED Spot 1_pass_of_2
Reporting Enable & Disable	Spot 0_pass_of_2
User control of Reporting	Spot 0_pass_of_1
Temporary reporting control	PASSED Complete 1_pass_of_1
Trigger modification	PASSED Spot 1_pass_of_4
Control of Basic Location Parameters	Spot 0_pass_of_1
Immediate Location Reporting	Spot 0_pass_of_1
Reporting Lifetimes	PASSED Complete 1_pass_of_1
Error Reporting using Long Reports	Spot 0_pass_of_1
Error Reporting using Short Reports	Spot 0_pass_of_1
Positioning on Individual Call Setup	Not Supported
<b>CF - Fully Witnessed Testing</b>	
Call Forwarding Unconditional	PASSED Complete 1_pass_of_1
Call Forwarding Unconditional Individual Call	PASSED Complete 1_pass_of_1
Call Forwarding Unconditional SDS	Not Supported
Call Forwarding Unconditional Status	Not Supported
Call Forwarding Conditional	Spot 0_pass_of_3
Call Forwarding Conditional Individual Call	Spot 0_pass_of_3
Call Forwarding Information Displayed	PASSED Spot 1_pass_of_4

Call Forwarding Information Displayed	PASSED Spot 1_pass_of_4
Management of Call Forwarding	PASSED Spot 1_pass_of_4
Change of Call Forwarding Activation Status by Served User	PASSED Spot 1_pass_of_4
Setting of Call Forwarding Parameters by Served User	Not Supported
<b>Callout - Fully Witnessed Testing</b>	
Full Callout	PASSED Spot 5_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	PASSED Spot 1_pass_of_2
Using current selected group during Full Callout	PASSED Complete 1_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	Spot 0_pass_of_1
Callout Incident Information messages	PASSED Spot 1_pass_of_2
Group Call to Callout Group	PASSED Spot 2_pass_of_4
End of Full Callout	PASSED Spot 1_pass_of_3
Simple Callout	Spot 0_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	Spot 0_pass_of_1
Interaction with other services and events	PASSED Spot 6_pass_of_32
Interaction with previous Callout	PASSED Spot 1_pass_of_2
Interaction with emergency call	Spot 0_pass_of_4
Interaction with non-emergency call	PASSED Spot 3_pass_of_11
Interaction with data and status	PASSED Spot 2_pass_of_13
Interaction with local services	Not Supported
Manual exit	Spot 0_pass_of_2
Callout Test and Callout Availability	Spot 0_pass_of_4
Callout Test	Spot 0_pass_of_2
Callout Availability	Spot 0_pass_of_2
Callout Availability request	Spot 0_pass_of_1
Callout Text and Callout Pre-Coded Status	PASSED Spot 4_pass_of_16
Callout Text	PASSED Spot 2_pass_of_6
Concatenated Callout Text using Callout Specific Concatenation	PASSED Spot 1_pass_of_3
Concatenated Callout Text using mSDS	Not Supported
Callout Pre-Coded Status	PASSED Spot 1_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
Graceful Service Degradation Mode (GSDM)	
Graceful Service Degradation Mode (GSDM)	Not Supported