TETRA IOP
CERTIFICATE

TETRA Interoperability Certificate

Trunked Mode Operation

Motorola Solutions, DIMETRA X Core – SwMI
Sepura, SC21 – Terminal

Test Session #1006, hosted by Motorola Solutions in Kraków, Poland, 13 April – 24 Jun 2026

Latest Certified SwMI SW Release:	R10	**Latest Certified MS SW Release:**	1835 003 08522
Latest Certified SwMI HW Release:	DIMETRA X Core R10	**Latest Certified MS HW Release:**	TH01STW

DEKRA certifies, that the Motorola Solutions DIMETRA X Core SwMI and the Sepura SC21 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 methods 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 fully witnessed multi-test session between Motorola Solutions and Sepura in Kraków, Poland 13 April – 24 Jun 2026.

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.

Authorized CB signatory:

Authorized IOP Test Engineer:

Felipe San Martín Leiva

Head of DEKRA TETRA Certified Body

Date of Issue:
09 October 2026
v0

Certified Features

Tetra Association 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
Tetra Association TTR001-02: SDS	
SDS Type 1, 2 or 3	-
SDS-TL	Certified
Store and Forward	Certified
Multipart SDS	-
Tetra Association TTR001-03: DGNA	
Support for individually addressed DGNA	Certified
Support for group addressed DGNA	Certified
Tolerance of unsupported DGNA functions	-
Tetra Association TTR001-04: AUTH	
SwMI Initiated (non-mutual) Authentication	Certified
SwMI Initiated Authentication made Mutual by MS	Certified
MS Initiated Authentication made Mutual by SwMI	-
TEI Query using "Authentication downlink"	Certified

HW, SW version, Model number and/or TEI	-
Authentication using key K	Certified
Authentication using key K2	-
Tetra Association TTR001-05: PD	
Context Management	-
Single Slot Packet Data	-
Multi Slot Packet Data	-
TEDS	-
Mixed band operation	-
Tetra Association TTR001-06: AIM	
Registration	Certified
Group management	Certified
Group call	Certified
Individual call	Certified
Status/SDS message	Certified
Location Information Protocol	Certified
Security	Certified
Enable / Disable	-
Tetra Association TTR001-09: AL	
Ambience Listening	Certified
Interaction with Transmit Inhibit	Certified
Tetra Association TTR001-10: E2EE	
E2EE Voice Call	Certified
E2EE Short Data	Certified
Tetra Association TTR001-11: AIE	
Security Class 2 Air Interface Encryption	-
Security Class 3 Air Interface Encryption	Certified
Security Class 3G Air Interface Encryption	Certified
Management of CMG and GSKO(X)	-
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
Air Interface Encryption using a KSG from TEA Set A	-

Air Interface Encryption using a KSG from TEA Set B	-
Tetra Association TTR001-12: SI	
MS initiated Service Interaction	Certified
SwMI initiated Service Interaction	Certified
Call Waiting	-
Tetra Association TTR001-13: ED	
Enable and temporary disable of an MS	Certified
Permanent disable of an MS	Certified
Enable and Disable of an MS using authentication with Key K	Certified
Enable and Disable of an MS using authentication with Key K2	-
Tetra Association TTR001-14: TKD	
Delivery of Authentication Data	-
Delivery of SCK(X)	-
Delivery method	-
TEA Set A: Delivery of K and SCK	-
TEA Set B: Delivery of K2 and SCKX	-
Tetra Association TTR001-17: RUA	
Radio User Assignment	-
Tetra Association TTR001-19: LIP	
Location Information Protocol	Certified
Tetra Association TTR001-20: CF	
Call Forwarding Unconditional	-
Call Forwarding Conditional	-
Call Forwarding Information Displayed	-
Management of Call Forwarding	-
Tetra Association 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
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

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

DEKRA has made every effort to ensure that every result has been correctly evaluated in accordance with the relevant TIPs, Test Plans and TIC-RTs. DEKRA 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://tcca.info/interoperability/interoperability-certificates-and-test-reports/

The feature results are shown in the tables below:

Information on equipment under test

SwMI Manufacturer	Motorola Solutions
SwMI Model	DIMETRA X Core
SwMI HW Release	DIMETRA X Core R10
SwMI SW Release	R10
MS Manufacturer	Sepura
MS Model	SC21
MS HW Release	TH01STW
MS SW Release	1835 003 08522

Document references

Core	TTR001-01 v7.0.0 IOP001-01 v4.2.0 TIC-RT001-01 v280
SDS	TTR001-02 v2.1.3 IOP001-02 v2.6.0 TIC-RT001-02 v227
DGNA	TTR001-03 v2.3.0 IOP001-03 v2.4.0 TIC-RT001-03 v236
AUTH	TTR001-04 v4.0.0 IOP001-04 v3.1.0 TIC-RT001-04 v302
PD	TTR001-05 v4.1.0 IOP001-05 v4.2.0 TIC-RT001-05 v411
AIM	TTR001-06 v3.1.0 IOP001-06 v2.2.0 TIC-RT001-06 v201
AL	TTR001-09 v2.1.0 IOP001-09 v1.2.0 TIC-RT001-09 v133
E2EE	TTR001-10 v2.1.0 IOP001-10 v1.4.0 TIC-RT001-10-1 v134
AIE	TTR001-11 v4.1.0 IOP001-11 v4.2.0 TIC-RT001-11 v404
SI	TTR001-12 v1.1.0 IOP001-12 v1.2.0 TIC-RT001-12 v139
ED	TTR001-13 v3.0.0 IOP001-13 v2.0.0 TIC-RT001-13 v203
TKD	TTR001-14 v2.0.0 IOP001-14 v2.0.0 TIC-RT001-14 v202

RUA	TTR001-17 v1.1.0 IOP001-17 v1.0.0 TIC-RT001-17 v118
LIP	TTR001-19 v1.1.0 IOP001-19 v1.5.0 TIC-RT001-19 v119
CF	TTR001-20 v1.0.1 IOP001-20 v1.1.0 TIC-RT001-20 v118
CallOut	TTR001-21 v2.1.1 IOP001-21 v2.5.0 TIC-RT001-21 v120

Feature compliance report

Core - Fully Witnessed Testing	
Registration	PASSED Spot 3_pass_of_4
Initial registration	PASSED Complete 2_pass_of_2
SwMI initiated location updating	Spot 0_pass_of_1
LA timer based Periodic location updating	Not Supported
De-registration	PASSED Complete 1_pass_of_1
Group Management	PASSED Spot 5_pass_of_11
Single group attachment	PASSED Spot 2_pass_of_5
Multiple group attachment	PASSED Spot 1_pass_of_4
MS initiated group detachment	PASSED Complete 2_pass_of_2
SwMI initiated group detachment	Not Supported
SwMI initiated group attachment	Not Supported
Group call	PASSED Spot 5_pass_of_10
Normal group call	PASSED Spot 2_pass_of_3
Late entry	PASSED Complete 1_pass_of_1
Priority Group scanning	Spot 0_pass_of_3
Call setup modifications	PASSED Complete 1_pass_of_1
Resource Queuing based on Call Priority	PASSED Complete 1_pass_of_1
Broadcast Call	Spot 0_pass_of_1
Limited coverage notification	Not Supported
Individual call	PASSED Spot 3_pass_of_9
Simplex individual call	PASSED Spot 3_pass_of_4
Duplex individual call	Spot 0_pass_of_2

Call setup modifications	Spot 0_pass_of_1
Resource Queuing based on Call Priority	Spot 0_pass_of_2
Indication of imminent call disconnection	Not Supported
Status messages	PASSED Spot 1_pass_of_2
Individual addressed Status transfer	PASSED Complete 1_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	Spot 0_pass_of_1
Pre-emption of Busy Users	PASSED Spot 1_pass_of_2
Emergency Call	PASSED Spot 1_pass_of_4
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	Spot 0_pass_of_1
Cell Re-selection	PASSED Spot 8_pass_of_16
Undeclared	PASSED Complete 1_pass_of_1
Unannounced	Spot 0_pass_of_3
Announced - with Call Restoration	PASSED Spot 7_pass_of_12
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 2_pass_of_4
TETRA Originated Call	PASSED Spot 1_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	Spot 0_pass_of_5
Slow Signalling on Traffic Channel (SACCH)	Spot 0_pass_of_4
Fast Signalling on Traffic Channel (FACCH)	Spot 0_pass_of_1
Subscriber Class Procedures	Spot 0_pass_of_7
Cell Selection based on Subscriber Class	Spot 0_pass_of_4
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	PASSED Spot 1_pass_of_5
Two C-SCCH per cell	Spot 0_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	
Energy Economy Mode Operation	Not Supported
Transmit Inhibit	PASSED Spot 2_pass_of_9
TXI Activation & De-Activation	PASSED Spot 1_pass_of_4
TXI Activation & De-Activation with TxI Status available to the Dispatcher	PASSED Spot 1_pass_of_4
Receipt of group addressed service during TXI	Spot 0_pass_of_1
Mixed band operation	PASSED Spot 2_pass_of_4
Mixed band operation, inter-cell	PASSED Spot 2_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 5_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 2_pass_of_8
Using UCS2 coding scheme	PASSED Complete 2_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	PASSED Complete 2_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 8_pass_of_17
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	PASSED Complete 2_pass_of_2
Support for individually addressed DGNA assignment with attachment as scanned group	PASSED Spot 2_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_6
Support for assigning multiple DGNA groups	PASSED Complete 2_pass_of_2
Support for assigning multiple pre-programmed groups	Spot 0_pass_of_1
Support for removing multiple DGNA groups	PASSED Complete 1_pass_of_1
Support for retaining DGNA groups over a power cycle	PASSED Spot 1_pass_of_2
Support for group addressed DGNA	Spot 0_pass_of_5
Support for group addressed DGNA assignment	Spot 0_pass_of_2
Management of 'group assignment lifetime'	Spot 0_pass_of_2
Support for group addressed DGNA deassignment	Spot 0_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	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	Spot 0_pass_of_1
Roaming with authentication	PASSED Complete 1_pass_of_1
MS Initiated Authentication made Mutual by SwMI	
Roaming with authentication	Not Supported
TEI Query using ''Authentication downlink''	PASSED Spot 1_pass_of_2
TEI Query using ''Authentication downlink'' Operation	PASSED Spot 1_pass_of_2
HW, SW version, Model number and/or TEI	

Transfer of HW, SW version, Model number and/or TEI	Not Supported
Authentication using key K	PASSED Spot 3_pass_of_7
Non mutual authentication	PASSED Spot 1_pass_of_3
Mutual authentication	PASSED Spot 1_pass_of_2
TEI Query using "Authentication downlink"	PASSED Spot 1_pass_of_2
Provision of HW, SW version, Model number and/or TEI	Not Supported
Authentication using key K2	
Non mutual authentication	Not Supported
Mutual authentication	Not Supported
TEI Query using "Authentication downlink"	Not Supported
Provision of HW, SW version, Model number and/or TEI	Not Supported
PD - Fully Witnessed Testing	
Context Management	Incomplete 0_pass_of_11
Context Activation	Incomplete 0_pass_of_7
User authentication	Incomplete 0_pass_of_4
Single Slot Packet Data	Incomplete 0_pass_of_11
Data Transfer	Incomplete 0_pass_of_6
Cell re-selection	Incomplete 0_pass_of_3
Packet Data Channel sharing	Incomplete 0_pass_of_2
Multi Slot Packet Data	Incomplete 0_pass_of_4
Data Transfer	Incomplete 0_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	Incomplete 0_pass_of_2

Mixed band operation, inter-cell	Incomplete 0_pass_of_2
Mixed band operation, intra-cell	Incomplete 0_pass_of_2
Mixed band operation, Full	Incomplete 0_pass_of_2
AIM - Fully Witnessed Testing	
Registration	PASSED Spot 1_pass_of_5
Migrating	PASSED Spot 1_pass_of_4
Subscriber Class Profile for migrating MS	Spot 0_pass_of_1
Group management	PASSED Spot 2_pass_of_3
Local group attachment on Foreign SwMI	Spot 0_pass_of_1
Foreign group attachment	Not Supported
DGNA	PASSED Complete 2_pass_of_2
Group call	PASSED Spot 1_pass_of_2
Group call to local group on foreign SwMI	Spot 0_pass_of_1
Group call to foreign group	Not Supported
SwMI-dependent emergency group call to local group	PASSED Complete 1_pass_of_1
Individual call	Spot 0_pass_of_2
SSI/TSI addressed	Spot 0_pass_of_1
FSSN addressed	Not Supported
External subscriber number addressed	Spot 0_pass_of_1
Status/SDS message	PASSED Spot 1_pass_of_4
Individually addressed SDS	Spot 0_pass_of_1
Group addressed SDS	Spot 0_pass_of_1
Individually addressed Status	PASSED Complete 1_pass_of_1
Group addressed Status	Not Supported
SDS Store & Forward	Not Supported
TxI Status	Spot 0_pass_of_1
Location Information Protocol	PASSED Spot 1_pass_of_3

Use of ITSI as location information destination in LIP reports	PASSED Spot 1_pass_of_2
LIP reporting lifetimes	Spot 0_pass_of_1
Security	PASSED Spot 1_pass_of_2
Air Interface Encryption, Class 3 same TEA set, both SwMI's using TEA set A or both SwMI's using TEA set B	Spot 0_pass_of_1
Air Interface Encryption, Class 3 mixed TEA set migration, one SwMI using TEA set A and the other SwMI using TEA set B	Not Supported
E2E Encryption, OTAK key delivery	PASSED Complete 1_pass_of_1
Enable / Disable	FAILED Spot 0_pass_of_2
Migrating Disabled MS	FAILED Spot 0_pass_of_2
AL - Fully Witnessed Testing	
Ambience Listening	PASSED Spot 2_pass_of_5
SS-AL Call Setup	Spot 0_pass_of_2
MS initiated SS-AL disconnection	PASSED Spot 2_pass_of_3
No Indication to affected user	PASSED Spot 2_pass_of_5
Interaction with Transmit Inhibit	PASSED Spot 1_pass_of_2
AL can override TxI	Spot 0_pass_of_1
AL cannot override TxI	PASSED Complete 1_pass_of_1
E2EE - Fully Witnessed Testing	
E2EE Voice Call	PASSED Spot 3_pass_of_11
Individual (P2P) call	PASSED Spot 2_pass_of_4
Group (P2MP) call	Spot 0_pass_of_2
Clear Voice Override (CVO): Acceptance	PASSED Complete 1_pass_of_1
Clear Voice Override (CVO): User Initiated	Spot 0_pass_of_2
Clear Voice Override (CVO): Automatic	Spot 0_pass_of_1

OTAK key delivery	Spot 0_pass_of_1
E2EE Short Data	PASSED Spot 4_pass_of_9
Short Data	PASSED Spot 4_pass_of_9
Multipart Short Data	Not Supported
Short Data Reception	PASSED Spot 2_pass_of_5
Multipart Short Data Reception	Not Supported
AIE - Fully Witnessed Testing	
Security Class 2 Air Interface Encryption	FAILED Spot 8_pass_of_20
Location Updating and AI Signalling Protection	FAILED Spot 3_pass_of_7
TM-SCK(X) provisioning during location updating	FAILED Complete 1_pass_of_2
Communications between parties using encryption	PASSED Complete 2_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 TM-SCK(X)	PASSED Spot 1_pass_of_2
Change of TM-SCK(X)	PASSED Spot 1_pass_of_4
Packet Data with Class 2 Air Interface Encryption	Spot 0_pass_of_2
Tolerance of SwMI not supporting SCK(X)-OTAR	Not Supported
Security Class 3 Air Interface Encryption	PASSED Spot 11_pass_of_25
Clear Location Updating and AI Signalling Protection	PASSED Spot 1_pass_of_4
Encrypted Location Updating (Initial, Undeclared, Unannounced) and AI Signalling Protection	PASSED Spot 2_pass_of_5
Encrypted Location Updating (Announced) and AI Signalling Protection	PASSED Spot 1_pass_of_3
DCK Forwarding at MS request	Not Supported
DCK Forwarding by SwMI (without MS request)	Spot 0_pass_of_1
DCK Retrieval	PASSED Spot 3_pass_of_7

CCK(X) provisioning during location updating	PASSED Spot 1_pass_of_7
Communications between parties using encryption	PASSED Spot 1_pass_of_2
Communications between clear and encrypted parties	PASSED Spot 2_pass_of_3
Communications between encrypted parties on a channel designated to operate in clear	PASSED Complete 2_pass_of_2
OTAR of CCK(X)	PASSED Spot 1_pass_of_2
Change of CCK(X)	PASSED Spot 1_pass_of_4
Packet Data with Class 3 Air Interface Encryption	PASSED Spot 1_pass_of_2
Security Class 3G Air Interface Encryption	PASSED Spot 1_pass_of_8
GCK(X) Key Association setting	Spot 0_pass_of_2
Communications between parties using encryption	Spot 0_pass_of_2
Communications between clear and encrypted parties	Spot 0_pass_of_1
OTAR of GCK(X)	PASSED Spot 1_pass_of_2
Change of GCK(X)	PASSED Spot 1_pass_of_3
Management of CMG and GSKO(X)	FAILED Spot Incomplete 1_pass_of_5
OTAR and change of CMG and GSKO(X)	FAILED Spot Incomplete 1_pass_of_5
Key Status demand	PASSED Spot 2_pass_of_4
SCK/SCKX Key Status demand	PASSED Complete 2_pass_of_2
GCK/GCKX Key Status demand	Spot 0_pass_of_1
GSKO/GSKOX Key Status demand	Spot 0_pass_of_1
Change of Security Class for Fallback operation	PASSED Spot 2_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(X) 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	Spot 0_pass_of_2
Change between Security Class 2 and Security Class 3	PASSED Spot 1_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(X)	Spot 0_pass_of_3
Change of DM-SCK(X)	Spot 0_pass_of_2
Air Interface Encryption using a KSG from TEA Set A	FAILED Spot Incomplete 23_pass_of_74
Security Class 2: Location Updating	FAILED Spot 3_pass_of_7
Security Class 2: Communications	PASSED Spot 4_pass_of_9
Security Class 2: OTAR and change of TM-SCK	PASSED Spot 2_pass_of_5
Security Class 3: Location Updating (Initial, Undeclared, Unannounced) and AI Signalling Protection	PASSED Spot 3_pass_of_8
Security Class 3: Location Updating (Announced) and AI Signalling Protection	PASSED Spot 1_pass_of_4
Security Class 3: Communications	PASSED Spot 6_pass_of_9
Security Class 3: OTAR and change of CCK	PASSED Spot 1_pass_of_4
Security Class 3G Air Interface Encryption	PASSED Spot 1_pass_of_9
BS Fallback and change from / to Security Class 3	PASSED Spot 2_pass_of_6
BS Fallback and change from / to Security Class 3G	Spot 0_pass_of_6
Security Class changes (other than for Fallback operation)	PASSED Spot 1_pass_of_5
Management of CMG and GSKO	Spot Incomplete 1_pass_of_5

Key Management for Secure Direct Mode Operation	PASSED Spot 1_pass_of_4
Air Interface Encryption using a KSG from TEA Set B	
Security Class 2: Location Updating	Not Supported
Security Class 2: Communications	Not Supported
Security Class 2: OTAR and change of TM-SCKX	Not Supported
Security Class 3: Location Updating (Initial, Undeclared, Unannounced) and AI Signalling Protection	Not Supported
Security Class 3: Location Updating (Announced) and AI Signalling Protection	Not Supported
Security Class 3: Communications	Not Supported
Security Class 3: OTAR and change of CCKX	Not Supported
Security Class 3G Air Interface Encryption	Not Supported
BS Fallback and change from / to Security Class 3	Not Supported
BS Fallback and change from / to Security Class 3G	Not Supported
Security Class changes (other than for Fallback operation)	Not Supported
Management of CMG and GSKOX	Not Supported
Key Management for Secure Direct Mode Operation	Not Supported
Identity Encryption ESI (Encrypted Short Identity)	Not Supported
Identity Encryption MAE (MAC Address Encryption)	Not Supported
SI - Fully Witnessed Testing	
MS initiated Service Interaction	PASSED Spot 2_pass_of_7
MS initiated Circuit Mode Call during another Circuit Mode Call	PASSED Spot 2_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	
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 3_pass_of_11
Enable and temporary disable of an MS without authentication	Spot 0_pass_of_2
Enable and temporary disable of an MS Subscriber with authentication	PASSED Complete 2_pass_of_2
Enable and temporary disable of an MS Equipment with authentication	Not Supported
Enable and temporary disable of an MS Equipment and Subscriber with authentication	Not Supported
Registration of a temporary disabled MS	PASSED Spot 1_pass_of_2
Rejection of applicable invalid enable/disable requests	Spot 0_pass_of_4
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	PASSED Spot 1_pass_of_2
Permanent disable of an MS Subscriber with authentication	PASSED Complete 1_pass_of_1
Permanent disable of an MS Equipment with authentication	Not Supported
Permanent disable of an MS Equipment and Subscriber with authentication	Not Supported
Permanently Disabled MS cannot send air interface signalling	Spot 0_pass_of_1
Enable and Disable of an MS using authentication with Key K	PASSED Complete 3_pass_of_3
Enable and temporary disable of an MS	PASSED Complete 2_pass_of_2
Permanent disable of an MS	PASSED Complete 1_pass_of_1
Enable and Disable of an MS using authentication with Key K2	
Enable and temporary disable of an MS	Not Supported
Permanent disable of an MS	Not Supported
TKD - Fully Witnessed Testing	
Delivery of Authentication Data	Incomplete 0_pass_of_2

Authentication Key delivery	Incomplete 0_pass_of_1
ITSI delivery	Incomplete 0_pass_of_1
Delivery of SCK(X)	Incomplete 0_pass_of_3
SCK-Generation to SCK-Delivery	Incomplete 0_pass_of_1
SCK-Delivery to SwMI	Incomplete 0_pass_of_1
SCK-Delivery to SCK-Loading	Incomplete 0_pass_of_1
Delivery method	Incomplete 0_pass_of_4
Plain text on physical media	Incomplete 0_pass_of_4
Encrypted text on physical media	Not Supported
Electronic transfer	Not Supported
TEA Set A: Delivery of K and SCK	Incomplete 0_pass_of_4
Delivery of Authentication Key K	Incomplete 0_pass_of_1
Delivery of SCK	Incomplete 0_pass_of_3
TEA Set B: Delivery of K2 and SCKX	
Delivery of Authentication Key K2	Not Supported
Delivery of SCKX	Not Supported
RUA - Fully Witnessed Testing	
Radio User Assignment	FAILED Spot 4_pass_of_13
Radio User Assignment at Location Updating	PASSED Spot 3_pass_of_6
Dispatcher initiated Radio User Assignment	Spot 0_pass_of_2
Radio User Dis-assignment	FAILED Spot 1_pass_of_5
LIP - Fully Witnessed Testing	
Location Information Protocol	PASSED Spot 9_pass_of_27

LIP over SDS	PASSED Spot 5_pass_of_14
LIP over Packet Data	Not Supported
Time based reporting	PASSED Spot 2_pass_of_6
Distance based reporting - NOT TESTABLE	Not Supported
Reporting using Short reports	PASSED Spot 1_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_4
Control of Basic Location Parameters	PASSED Complete 1_pass_of_1
Immediate Location Reporting	PASSED Complete 1_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	Not Supported
Positioning on Individual Call Setup	Not Supported
CF - Fully Witnessed Testing	
Call Forwarding Unconditional	Incomplete 0_pass_of_1
Call Forwarding Unconditional Individual Call	Incomplete 0_pass_of_1
Call Forwarding Unconditional SDS	Not Supported
Call Forwarding Unconditional Status	Not Supported
Call Forwarding Conditional	Incomplete 0_pass_of_3
Call Forwarding Conditional Individual Call	Incomplete 0_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 6_pass_of_15
Individually Addressed Full Callout with request for Terminal Receipt message and with request for User Receipt message	PASSED Spot 1_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	PASSED Complete 1_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 1_pass_of_4
End of Full Callout	PASSED Spot 2_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	PASSED Complete 1_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 10_pass_of_32

Interaction with previous Callout	PASSED Spot 1_pass_of_2
Interaction with emergency call	PASSED Spot 2_pass_of_4
Interaction with non-emergency call	PASSED Spot 4_pass_of_11
Interaction with data and status	PASSED Spot 2_pass_of_13
Interaction with local services	Not Supported
Manual exit	PASSED Spot 1_pass_of_2
Callout Test and Callout Availability	PASSED Spot 2_pass_of_3
Callout Test	PASSED Spot 1_pass_of_2
Callout Availability	PASSED Complete 1_pass_of_1
Callout Availability request	Not Supported
Callout Text and Callout Pre-Coded Status	PASSED Spot 4_pass_of_15
Callout Text	Spot 0_pass_of_6
Concatenated Callout Text using Callout Specific Concatenation	Spot 0_pass_of_2
Concatenated Callout Text using mSDS	Not Supported
Callout Pre-Coded Status	PASSED Spot 4_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

Document History

Date	Version	Comment
09 October 2026	0	First version