

TETRA Interoperability Certificate

Trunked Mode Operation

**DAMM Cellular System A/S, Tetraflex – SwMI
Sepura, SC23 – Terminal**

Test Session #195, hosted by DAMM Cellular Systems in Sønderborg, January 2024

| | | | |
|----------------------------------------------|-----------|--------------------------------------------|----------------|
| Latest Certified SwMI SW Release: | V8.2 | Latest Certified MS SW Release: | 1822 004 08522 |
| Latest Certified SwMI HW Release: | TetraFlex | Latest Certified MS HW Release: | TP03STW |

ISCTI (Istituto Superiore delle Comunicazioni e delle Tecnologie dell'Informazione) certifies, that the DAMM Cellular System A/S Tetraflex SwMI and the Sepura SC23 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.

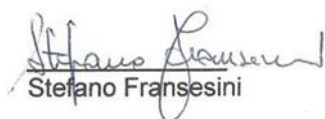
This certificate has been issued following a multiple test session between DAMM Cellular System A/S and Sepura in January 2024. Detailed test results are listed in the Test Report associated to this Certificate.

Details and explanation about the procedure used to provide verdicts are in the TIC process TPD001-01.

IOP Test Engineer

Head of the Procedure

Radio Office Manager


Stefano Fransesini

ISCTI - V.le America 201, 00144 Rome, Italy
Ph: +39 06 5444 2663, Fax: +39 06 5410904
e-mail: tetra_ctc.iscom@mise.gov.it
Web: www.mise.gov.it

**Date of Issue:
16 April 2024**

v 1

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 | Certified |
| 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 | - |
| Tetra Association TTR001-02: SDS | |
| SDS Type 1, 2 or 3 | - |
| SDS-TL | Certified |
| Store and Forward | - |
| Multipart SDS | Certified |
| Tetra Association TTR001-03: DGNA | |
| Support for individually addressed DGNA | Certified |
| Support for group addressed DGNA | - |
| Tolerance of unsupported DGNA functions | - |
| Tetra Association TTR001-04: AUTH | |
| 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 | - |

| Tetra Association TTR001-06: AIM | |
|--------------------------------------------------------------|-----------|
| Registration | Certified |
| Group management | Certified |
| Group call | Certified |
| Individual call | Certified |
| Status/SDS message | Certified |
| Location Information Protocol | - |
| Security | - |
| 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 | - |
| Management of CMG and GSKO | - |
| Key Status demand | - |
| Change of Security Class for Fallback operation | - |
| Change of Security Class (other than for Fallback operation) | - |
| Key Management for Secure Direct Mode Operation | - |
| 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 |
| Tetra Association TTR001-14: TKD | |
| Delivery of Authentication Data | Certified |
| Delivery of SCK | - |
| Delivery method | Certified |
| Tetra Association TTR001-15: CAD | |
| Call Authorised by Dispatcher - Compliant | - |
| Call Authorised by Dispatcher - Tolerant | Certified |

| Tetra Association TTR001-19: LIP | |
|---------------------------------------|-----------|
| Location Information Protocol | Certified |
| Tetra Association TTR001-20: CF | |
| Call Forwarding Unconditional | Certified |
| Call Forwarding Conditional | Certified |
| Call Forwarding Information Displayed | - |
| Management of Call Forwarding | - |

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 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

| | |
|-------------------|---------------------------|
| SwMI Manufacturer | DAMM Cellular Systems A/S |
| SwMI Model | TetraFlex |
| SwMI HW Release | TetraFlex |
| SwMI SW Release | V8.2 |
| MS Manufacturer | Sepura |
| MS Model | SC23 |
| MS HW Release | TP03STW |
| MS SW Release | 1822 004 08522 |

Document references

| | | |
|-------------|--------------|--------|
| Core | TTR001-01 | v6.4.0 |
| | IOP001-01 | v3.4.0 |
| | TIC-RT001-01 | v279 |
| SDS | TTR001-02 | v2.1.3 |
| | IOP001-02 | v2.2.0 |
| | TIC-RT001-02 | v225 |
| DGNA | TTR001-03 | v2.2.0 |
| | IOP001-03 | v2.3.0 |
| | TIC-RT001-03 | v235 |
| AUTH | TTR001-04 | v3.2.0 |
| | IOP001-04 | v2.1.0 |
| | TIC-RT001-04 | v234 |
| AIM | TTR001-06 | v2.3.0 |
| | IOP001-06 | v1.2.0 |
| | TIC-RT001-06 | v134 |
| AL | TTR001-09 | v2.1.0 |
| | IOP001-09 | v1.2.0 |
| | TIC-RT001-09 | v132 |
| E2EE | TTR001-10 | v2.1.0 |
| | IOP001-10 | v1.3.0 |
| | TIC-RT001-10 | v133 |
| AIE | TTR001-11 | v3.1.0 |
| | IOP001-11 | v3.1.0 |
| | TIC-RT001-11 | v337 |
| SI | TTR001-12 | v1.1.0 |
| | IOP001-12 | v1.0.0 |
| | TIC-RT001-12 | v137 |
| ED | TTR001-13 | v2.1.0 |
| | IOP001-13 | v1.0.0 |
| | TIC-RT001-13 | v153 |
| TKD | TTR001-14 | v1.0.3 |
| | IOP001-14 | v1.2.0 |
| | TIC-RT001-14 | v125 |

| | | |
|------------|--------------|--------|
| CAD | TTR001-15 | v1.1.0 |
| | IOP001-15 | v1.0.0 |
| | TIC-RT001-15 | v118 |
| LIP | TTR001-19 | v1.1.0 |
| | IOP001-19 | v1.3.0 |
| | TIC-RT001-19 | v118 |
| CF | TTR001-20 | v1.0.1 |
| | IOP001-20 | v1.0.0 |
| | TIC-RT001-20 | v117 |

Feature compliance report

| Core - Fully Witnessed Testing | |
|-------------------------------------------|-----------------------------|
| Registration | PASSED Spot 1_pass_of_6 |
| Initial registration | PASSED Spot 1_pass_of_2 |
| SwMI initiated location updating | Spot 0_pass_of_1 |
| LA timer based Periodic location updating | Spot 0_pass_of_2 |
| De-registration | Spot 0_pass_of_1 |
| Group Management | PASSED Spot 3_pass_of_17 |
| Single group attachment | PASSED Spot 1_pass_of_7 |
| Multiple group attachment | PASSED Spot 2_pass_of_6 |
| MS initiated group detachment | Spot 0_pass_of_2 |
| SwMI initiated group detachment | PASSED Spot 1_pass_of_3 |
| SwMI initiated group attachment | PASSED Spot 1_pass_of_3 |
| Group call | PASSED Spot 2_pass_of_15 |
| Normal group call | PASSED Spot 1_pass_of_5 |
| Late entry | Spot 0_pass_of_1 |
| Priority Group scanning | Spot 0_pass_of_3 |
| Call setup modifications | Spot 0_pass_of_1 |
| Resource Queuing based on Call Priority | Spot 0_pass_of_2 |
| Broadcast Call | PASSED Spot 1_pass_of_3 |
| Limited coverage notification | Not Supported |
| Individual call | PASSED Spot 2_pass_of_10 |
| Simplex individual call | PASSED Spot 1_pass_of_4 |
| Duplex individual call | PASSED Spot 1_pass_of_2 |
| Call setup modifications | Not Supported |
| Resource Queuing based on Call Priority | Spot 0_pass_of_4 |
| Indication of imminent call disconnection | Not Supported |

| | |
|------------------------------------------|--------------------------------|
| Status messages | PASSED Spot 1_pass_of_4 |
| Individual addressed Status transfer | Spot 0_pass_of_1 |
| Group addressed Status transfer | PASSED Spot 1_pass_of_3 |
| Pre-emptive Priority Call | PASSED Spot 2_pass_of_7 |
| Pre-emption of Resources | Spot 0_pass_of_2 |
| Pre-emption of Busy Users | PASSED Spot 2_pass_of_5 |
| Emergency Call | Spot 0_pass_of_4 |
| Pre-emption of Resources | Spot 0_pass_of_3 |
| 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 5_pass_of_21 |
| Undeclared | Spot 0_pass_of_1 |
| Unannounced | PASSED Spot 1_pass_of_3 |
| Announced - with Call Restoration | PASSED Spot 2_pass_of_12 |
| Announced - without Call Restoration | PASSED Spot 2_pass_of_3 |
| Expedited | Spot 0_pass_of_2 |
| Graceful Service Degradation Mode (GSDM) | Not Supported |
| Single-site operation | Not Supported |
| PSTN interconnect | PASSED Spot 2_pass_of_5 |
| TETRA Originated Call | Spot 0_pass_of_2 |
| PSTN Originated Call | PASSED Complete 1_pass_of_1 |
| DTMF over-dial | Not Supported |
| Emergency Telephone Calls | PASSED Spot 1_pass_of_2 |
| MS-ISDN Numbering | PASSED Spot 1_pass_of_4 |
| MS ISDN - Voice Call | Spot 0_pass_of_2 |
| MS-ISDN Status | PASSED Spot 1_pass_of_2 |
| In Call Signalling | PASSED Spot 2_pass_of_8 |

| | |
|----------------------------------------------------------------------------|--------------------------------|
| Slow Signalling on Traffic Channel (SACCH) | PASSED Spot 2_pass_of_4 |
| Fast Signalling on Traffic Channel (FACCH) | Spot 0_pass_of_4 |
| Subscriber Class Procedures | PASSED Spot 2_pass_of_9 |
| Cell Selection based on Subscriber Class | PASSED Spot 1_pass_of_5 |
| Subscriber Class Delivery during Location Update | Spot 0_pass_of_1 |
| 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 | Spot 0_pass_of_2 |
| Three C-SCCH per cell | PASSED Spot 1_pass_of_2 |
| BS Fallback Operation | PASSED Spot 1_pass_of_13 |
| 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_8 |
| 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 3_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 | PASSED Complete 1_pass_of_1 |
| Mixed band operation | |
| Mixed band operation, inter-cell | Not Supported |
| Mixed band operation, intra-cell | Not Supported |
| Mixed band operation, Full | Not Supported |
| 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_21 |
| Individually Addressed | Spot 0_pass_of_3 |
| Group Addressed | PASSED Spot 1_pass_of_4 |
| Using MS-ISDN dialling | PASSED Spot 2_pass_of_4 |
| SDS Reception | PASSED Spot 2_pass_of_10 |
| Using UCS2 coding scheme | Spot 0_pass_of_2 |
| Using 7-bit coding scheme | PASSED Complete 2_pass_of_2 |
| Using 8-bit Latin 1 coding scheme | Spot 0_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 | |
| Individually Addressed | Not Supported |
| Group Addressed | Not Supported |
| Multipart SDS | PASSED Spot 1_pass_of_2 |
| Multipart SDS | PASSED Spot 1_pass_of_2 |
| DGNA - Fully Witnessed Testing | |
| Support for individually addressed DGNA | PASSED Spot 3_pass_of_14 |
| Support for individually addressed DGNA assignment without attachment | Spot 0_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 | PASSED Spot 1_pass_of_3 |
| Support for individually addressed DGNA assignment with rejected attachment | Not Supported |
| Support for individually addressed assignment for pre-programmed group | Spot 0_pass_of_6 |
| Support for assigning multiple DGNA groups | Not Supported |
| Support for assigning multiple pre-programmed groups | Not Supported |
| Support for removing multiple DGNA groups | PASSED Complete 1_pass_of_1 |
| Support for retaining DGNA groups over a power cycle | Spot 0_pass_of_2 |
| Support for group addressed DGNA | |
| Support for group addressed DGNA assignment | Not Supported |
| Management of 'group assignment lifetime' | Not Supported |
| Support for group addressed DGNA deassignment | Not Supported |

| | |
|------------------------------------------------------------------|--------------------------------|
| 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_2 |
| Attach with authentication | Spot 0_pass_of_1 |
| Roaming with authentication | Not Supported |
| SwMI rejects MS during authentication | PASSED Complete 1_pass_of_1 |
| MS rejects SwMI during authentication | Not Supported |
| SwMI Initiated Authentication made Mutual by MS | Spot 0_pass_of_1 |
| Attach with authentication | Spot 0_pass_of_1 |
| Roaming with authentication | Not Supported |
| TEI Query using "Authentication downlink" | |
| TEI Query using "Authentication downlink" Operation | Not Supported |
| HW, SW version, TEI and/or Model number | |
| Transfer of HW, SW version, TEI and/or Model number | Not Supported |
| AIM - Fully Witnessed Testing | |
| Registration | PASSED Spot 1_pass_of_5 |
| Migrating | Spot 0_pass_of_3 |
| Subscriber Class Profile for migrating MS | PASSED Spot 1_pass_of_2 |
| Group management | PASSED Spot 1_pass_of_3 |
| Local group attachment on Foreign SwMI | Spot 0_pass_of_1 |
| Foreign group attachment | Not Supported |
| DGNA | PASSED Spot 1_pass_of_2 |
| Group call | Spot 0_pass_of_3 |
| 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 | Spot 0_pass_of_2 |
| Individual call | PASSED Spot 1_pass_of_4 |
| SSI/TSI addressed | PASSED Complete 1_pass_of_1 |
| FSSN addressed | Not Supported |
| External subscriber number addressed | Spot 0_pass_of_3 |
| Status/SDS message | PASSED Spot 1_pass_of_5 |

| | |
|----------------------------------------------------------------|--------------------------------|
| Individually addressed SDS | PASSED Complete 1_pass_of_1 |
| Group addressed SDS | Spot 0_pass_of_1 |
| Individually addressed Status | Spot 0_pass_of_1 |
| Group addressed Status | Spot 0_pass_of_1 |
| SDS Store & Forward | Not Supported |
| TxI Status | Spot 0_pass_of_1 |
| Location Information Protocol | |
| Use of ITSI as location information destination in LIP reports | Not Supported |
| LIP reporting lifetimes | Not Supported |
| Security | |
| Air Interface Encryption, Class 3 | Not Supported |
| E2E Encryption, OTAK key delivery | Not Supported |
| Enable / Disable | |
| Migrating Disabled MS | Not Supported |
| AL - Fully Witnessed Testing | |
| Ambience Listening | PASSED Spot 1_pass_of_2 |
| SS-AL Call Setup | Spot 0_pass_of_1 |
| MS initiated SS-AL disconnection | PASSED Complete 1_pass_of_1 |
| No Indication to affected user | PASSED Spot 1_pass_of_2 |
| 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 2_pass_of_10 |
| Individual (P2P) call | PASSED Spot 1_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 | Spot 0_pass_of_2 |
| Clear Voice Override (CVO): Automatic | Spot 0_pass_of_1 |
| OTAK key delivery | Not Supported |
| E2EE Short Data | PASSED Spot 4_pass_of_11 |
| Short Data | PASSED Spot 2_pass_of_7 |

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

| | |
|-------------------------------------------------------------------|-----------------------------|
| Communications between clear and encrypted parties | Not Supported |
| OTAR of GCK | Not Supported |
| Change of GCK | Not Supported |
| Management of CMG and GSKO | |
| OTAR and change of CMG and GSKO | Not Supported |
| Key Status demand | |
| SCK Key Status demand | Not Supported |
| GCK Key Status demand | Not Supported |
| GSKO Key Status demand | Not Supported |
| Change of Security Class for Fallback operation | |
| Seamless change to Security Class 2 for BS Fallback operation | Not Supported |
| Non-seamless change to Security Class 2 for BS Fallback operation | Not Supported |
| Provisioning of TM-SCK for fallback to Security Class 2 operation | Not Supported |
| Change to Security Class 1 for BS Fallback operation | Not Supported |
| Change of Security Class (other than for Fallback operation) | |
| Change between Security Class 3 and Security Class 3G | Not Supported |
| Change between Security Class 2 and Security Class 3 | Not Supported |
| Change from Security Class 3G to Security Class 2 | Not Supported |
| Key Management for Secure Direct Mode Operation | |
| OTAR of DM-SCK | Not Supported |
| Change of DM-SCK | Not Supported |
| SI - Fully Witnessed Testing | |
| MS initiated Service Interaction | PASSED Spot 2_pass_of_5 |
| 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 | Not Supported |
| MS initiated Packet Mode Transfer during Circuit Mode Call | Not Supported |
| SwMI initiated Service Interaction | PASSED Spot 2_pass_of_8 |
| SwMI initiated Circuit Mode Call during another Circuit Mode Call | PASSED Spot 2_pass_of_8 |
| SwMI initiated Circuit Mode Call during Packet Mode Transfer | Not Supported |
| 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 6_pass_of_22 |
| Enable and temporary disable of an MS without authentication | PASSED Spot 2_pass_of_6 |

| | |
|-----------------------------------------------------------------------------------------|--------------------------------|
| Enable and temporary disable of an MS with authentication | PASSED Spot 2_pass_of_6 |
| Registration of a temporary disabled MS | Spot 0_pass_of_2 |
| Rejection of applicable invalid enable/disable requests | PASSED Spot 1_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 | PASSED Spot 1_pass_of_4 |
| Permanent disable of an MS | Spot 0_pass_of_4 |
| Permanent disable of an MS with authentication | Spot 0_pass_of_3 |
| 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 | |
| SCK Delivery to SCK delivery | Not Supported |
| SCK Delivery to SwMI | Not Supported |
| SCK Delivery to SCK loading | Not Supported |
| Delivery method | PASSED Spot 1_pass_of_2 |
| Plain text on physical media | PASSED Spot 1_pass_of_2 |
| Encrypted text on physical media | Not Supported |
| Electronic transfer | Not Supported |
| CAD - Fully Witnessed Testing | |
| Call Authorised by Dispatcher - Compliant | |
| No voice call with dispatcher | Not Supported |
| Voice call with dispatcher | Not Supported |
| Call Authorised by Dispatcher - Tolerant | PASSED Spot 2_pass_of_6 |
| No voice call with dispatcher | PASSED Spot 2_pass_of_6 |
| Individual voice call with dispatcher | Not Supported |
| Group voice call with dispatcher | Not Supported |
| LIP - Fully Witnessed Testing | |
| Location Information Protocol | PASSED Spot 2_pass_of_9 |
| LIP over SDS | PASSED Spot 1_pass_of_5 |

| | |
|------------------------------------------------------------|--------------------------------|
| LIP over Packet Data | Not Supported |
| Time based reporting | Spot 0_pass_of_1 |
| Distance based reporting - NOT TESTABLE | Not Supported |
| Reporting using Short reports | Spot 0_pass_of_2 |
| Reporting using Long reports | PASSED Spot 1_pass_of_2 |
| Reporting Enable & Disable | Not Supported |
| User control of Reporting | Spot 0_pass_of_1 |
| Temporary reporting control | Not Supported |
| Trigger modification | Not Supported |
| Control of Basic Location Parameters | Not Supported |
| Immediate Location Reporting | Spot 0_pass_of_1 |
| Reporting Lifetimes | Not Supported |
| 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 | PASSED Spot 1_pass_of_3 |
| Call Forwarding Unconditional Individual Call | Spot 0_pass_of_1 |
| Call Forwarding Unconditional SDS | Spot 0_pass_of_1 |
| Call Forwarding Unconditional Status | PASSED Complete 1_pass_of_1 |
| 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 |