

TETRA Interoperability Certificate

**Motorola Solutions, Dimetra IP R8.2, SwMI –
Teltronic, HTT-500, Terminal**

Krakow, April 2014

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|--------------------------------------|-----------------|--|-----------|
| Latest Certified SwMI SW Release: | 8.2 | Latest Certified Terminal SW Release: | v11 |
| Latest Certified SwMI HW Release: | Dimetra IP R8.2 | Latest Certified Terminal HW Release: | CCP 00.03 |

ISCTI (Istituto Superiore delle Comunicazioni e delle Tecnologie dell'Informazione) certifies, that the Motorola Solutions, Dimetra IP R8.2, SwMI and the Teltronic, HTT-500, terminal have been subject to interoperability testing for the “certified” features listed on second page of this certificate, in accordance with the TETRA Interoperability Profiles, TIP compliance Test Plan and related TETRA interoperability requirement tables.

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

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

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

This certificate has been issued following a fully witnessed multi test session between Motorola Solutions and Teltronic on April 2014. 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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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 | - |
| 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 | - |
| 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 |

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| SwMI Initiated Authentication made Mutual by MS | Certified |
| TEI Query | - |
| Tetra Association TTR001-05:PD | |
| Context Management | Certified |
| Single Slot Packet Data | Certified |
| Multi Slot Packet Data | Certified |
| TEDS | - |
| Mixed band operation | Certified |
| Tetra Association TTR001-09:AL | |
| Ambience Listening | Certified |
| Interaction with Transmit Inhibit | Certified |
| Tetra Association TTR001-10:E2EE | |
| E2EE Voice Call | Certified |
| Tetra Association TTR001-11:AIE | |
| Security Class 2 Air Interface Encryption | Certified |
| Security Class 3 Air Interface Encryption | Certified |
| Security Class 3G Air Interface Encryption | - |
| Change 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 | Certified |
| Delivery method | Certified |
| Tetra Association TTR001-19:LIP | |
| Location Information Protocol | Certified |

Feature Compliance Overview

The first pages of this certificate provide an indication about the main interoperable TETRA features for each TIP specification (as described in the TIC-RT). The main interoperable TETRA features result depend on a set of sub-feature, the outcomes 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 grey background and the associated sub-features (or second level features) have light blue background.

The outcome assigned to a sub-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. |
| 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. |

The verdict associated to the feature gives also indication about the method used to test that 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 have been executed |
| Spot | Only a selection of the mandatory test cases associated to the 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 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 has been applied on the verdicts based on the spot testing method |
| Witnessed | The TIP heading lines in the Feature Compliance Report indicate whether each TIP is partially or fully witnessed by the Certification Body. Additionally, for a partially-witnessed TIP, the number of witnessed test cases that passed is shown for each the feature and sub-feature. There may have been some un-witnessed passed tests and they will have been found to be successful based on the log file evaluation. |

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

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

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

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

This Certificate and Certificates from previous test sessions are available on the TETRA + Critical Communications Association web site (<http://www.tandcca.com/interop/page/12476>).

The feature results are shown in the tables below.

Information on equipment under test and document references

| Test Session Date/Place | Motorola Solutions Krakow April 2014 | Motorola Copenhagen January 2011 | | |
|---|---|---|--|--|
| SwMI Type | Dimetra IP R8.2 | Dimetra IP | | |
| SwMI HW Release | Dimetra IP R8.2 | 7.1 | | |
| SwMI SW Release | 8,2 | 7.1 | | |
| Terminal Type | HTT-500 | HTT-500 | | |
| Terminal HW Release | CCP 00.03 | CCP00.03 | | |
| Terminal SW Release | v11 | v07 | | |
| TIP Specs and TIP Compliance Test Plans | | | | |
| Core | TTR001-01 v6.0.0 IOP001-01 v3.0.0 TIC-RT001-01 v260 | TTR001-01 v5.1.1 IOP001-01 v2.6.4 TIC-RT001-01 v250 | | |
| SDS | TTR001-02 v2.1.1 IOP001-02 v2.0.0 TIC-RT001-02 v213 | TTR001-02 v2.0.1 IOP001-02 v2.0.0 TIC-RT001-02 v211 | | |
| DGNA | TTR001-03 v2.0.0 IOP001-03 v2.0.1 TIC-RT001-03 v222 | TTR001-03 v2.0.0 IOP001-03 v2.0.1 TIC-RT001-03 v218 | | |
| Auth | TTR001-04 v3.0.0 IOP001-04 v2.0.0 TIC-RT001-04 v223 | TTR001-04 v3.0.0 IOP001-04 v2.0.0 TIC-RT001-04 v222 | | |
| PD | TTR001-05 v3.0.0 IOP001-05 v3.0.5 TIC-RT001-05 v305 | TTR001-05 v3.0.0 IOP001-05 v3.0.2 TIC-RT001-05 v300 | | |
| AL | TTR001-09 v2.0.0 IOP001-09 v1.1.0 TIC-RT001-09 v122 | TTR001-09 v2.0.0 IOP001-09 v1.1.0 TIC-RT001-09 v121 | | |

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|------|---|--|--|--|
| E2EE | TTR001-10 v2.0.0 IOP001-10 v1.1.4 TIC-RT001-10 v122 | TTR001-10 v2.0.0 IOP001-10 v1.1.0 TIC-RT001-10 v120 | | |
| AIE | TTR001-11 v3.0.3 IOP001-11 v3.0.2 TIC-RT001-11 v325 | TTR001-11 v3.0.0 IOP001-11 v3.0.0 TIC-RT001-11 v3018 | | |
| SI | TTR001-12 v1.0.0 IOP001-12 v1.0.0 TIC-RT001-12 v127 | TTR001-12 v1.0.0 IOP001-12 v1.0.0 TIC-RT001-12 v125 | | |
| ED | TTR001-13 v2.0.0 IOP001-13 v1.0.0 TIC-RT001-13 v146 | TTR001-13 v2.0.0 IOP001-13 v1.0.0 TIC-RT001-13 v143 | | |
| TKD | TTR001-14 v1.0.3 IOP001-14 v1.0.0 TIC-RT001-14 v117 | TTR001-14 v1.0.0 IOP001-14 v1.1.4 TIC-RT001-14 v115 | | |
| LIP | TTR001-19 v1.0.0 IOP001-19 v1.0.0 TIC-RT001-19 v105 | - | | |

Feature compliance report

| Test Session | Motorola Solutions Krakow April 2014 | Motorola Copenhagen January 2011 | | |
|---|--|--|--|--|
| Core | | | | |
| Registration | PASSED Regression 1_pass_of_4 | PASSED Complete 3_pass_of_3 | | |
| ITSI attach | Regression 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| SwMI initiated location updating | PASSED Regression 1_pass_of_2 | PASSED Complete 1_pass_of_1 | | |
| LA timer based Periodic location updating | Not Supported | Not Supported | | |
| De-registration | Regression 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Group Management | PASSED Regression 3_pass_of_8 | PASSED Complete 7_pass_of_7 | | |
| Single group attachment | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Multiple group attachment | PASSED Regression 1_pass_of_4 | PASSED Complete 3_pass_of_3 | | |
| MS initiated group detachment | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| SwMI initiated group management | Not Supported | Not Supported | | |
| Group call | PASSED Regression 2_pass_of_8 | PASSED Complete 8_pass_of_8 | | |
| Normal group call | PASSED Regression 1_pass_of_3 | PASSED Complete 3_pass_of_3 | | |
| Late entry | Regression 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Priority Group scanning | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Call setup modifications | Regression 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Resource Queuing based on Call Priority | Regression 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Broadcast Call | Not Supported | Not Supported | | |
| Limited coverage notification | Not Supported | Not Supported | | |
| Individual call | PASSED Regression 2_pass_of_7 | PASSED Complete 7_pass_of_7 | | |
| Simplex individual call | PASSED Regression 1_pass_of_3 | PASSED Complete 3_pass_of_3 | | |

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| Duplex individual call | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Call setup modifications | Not Supported | Not Supported | | |
| Resource Queuing based on Call Priority | Regression 0_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Indication of imminent call disconnection | Not Supported | Not Supported | | |
| Status messages | PASSED Complete 1_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Individual addressed Status transfer | Not Supported | Not Supported | | |
| Group addressed Status transfer | PASSED Complete 1_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Pre-emptive Priority Call | PASSED Complete 1_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Pre-emption of Resources | PASSED Complete 1_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Pre-emption of Busy Users | Not Supported | Not Supported | | |
| Emergency Call | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Pre-emption of Resources | Regression 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Pre-emption of Busy Users | PASSED Complete 1_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Call setup modifications | Not Supported | Not Supported | | |
| Call disconnection by non-call owner | Not Supported | Not Supported | | |
| Cell Re-selection | PASSED Regression 4_pass_of_15 | PASSED Complete 12_pass_of_12 | | |
| Undeclared | Regression 0_pass_of_1 | Complete | | |
| Unannounced | PASSED Regression 1_pass_of_3 | PASSED Complete 2_pass_of_2 | | |
| Announced - with Call Restoration | PASSED Regression 3_pass_of_11 | PASSED Complete 10_pass_of_10 | | |
| Announced - without Call Restoration | Not Supported | Not Supported | | |
| Expedited | Not Supported | Not Supported | | |
| PSTN interconnect | PASSED Regression 1_pass_of_4 | PASSED Complete 4_pass_of_4 | | |
| TETRA Originated Call | Regression 0_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| PSTN Originated Call | PASSED Complete 1_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| DTMF over-dial | Regression 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Emergency Telephone Calls | Not Supported | Not Supported | | |

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| MS-ISDN Numbering | | | | |
| MS ISDN - Voice Call | Not Supported | Not Supported | | |
| MS-ISDN Status | Not Supported | Not Supported | | |
| In Call Signalling | PASSED Regression 2_pass_of_5 | PASSED Complete 5_pass_of_5 | | |
| Slow Signalling on Traffic Channel (SACCH) | PASSED Regression 1_pass_of_4 | PASSED Complete 4_pass_of_4 | | |
| Fast Signalling on Traffic Channel (FACCH) | PASSED Complete 1_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Subscriber Class Procedures | PASSED Regression 5_pass_of_6 | PASSED Complete 3_pass_of_3 | | |
| Cell Selection based on Subscriber Class | PASSED Regression 2_pass_of_3 | PASSED Complete 3_pass_of_3 | | |
| Subscriber Class Delivery during Location Update | Not Supported | Not Supported | | |
| Use of Preferred Subscriber Classes | PASSED Complete 3_pass_of_3 | Not Supported | | |
| Common Secondary Control Channels | PASSED Regression 2_pass_of_7 | PASSED Complete 7_pass_of_7 | | |
| One C-SCCH per cell | PASSED Regression 1_pass_of_4 | PASSED Complete 4_pass_of_4 | | |
| Two C-SCCH per cell | Regression 0_pass_of_3 | PASSED Complete 3_pass_of_3 | | |
| Three C-SCCH per cell | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| BS Fallback Operation | PASSED Regression 2_pass_of_8 | PASSED Complete 7_pass_of_7 | | |
| Switch to/from BS Fallback Operation | Regression 0_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Roaming with BS Fallback Operation | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Services with BS Fallback Operation | PASSED Regression 1_pass_of_4 | PASSED Complete 3_pass_of_3 | | |
| Energy Economy Mode | | | | |
| Energy Economy Mode Operation | Not Supported | Not Supported | | |
| Transmit Inhibit | PASSED Regression 3_pass_of_9 | PASSED Complete 6_pass_of_6 | | |
| TXI Activation & De-Activation | PASSED Regression 1_pass_of_4 | PASSED Complete 1_pass_of_1 | | |
| TXI Activation & De-Activation with TxI Status available to the Dispatcher | PASSED Regression 1_pass_of_4 | PASSED Complete 4_pass_of_4 | | |
| Receipt of group addressed service during TXI | PASSED Complete 1_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Mixed band operation | PASSED Regression 1_pass_of_4 | PASSED Complete 4_pass_of_4 | | |
| Mixed band operation, inter-cell | PASSED Regression 1_pass_of_4 | PASSED Complete 4_pass_of_4 | | |

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| Mixed band operation, intra-cell | PASSED Regression 1_pass_of_3 | PASSED Complete 3_pass_of_3 | | |
| Mixed band operation, Full | PASSED Regression 1_pass_of_3 | PASSED Complete 4_pass_of_4 | | |
| Short Data Service (SDS) | | | | |
| SDS Type 1, 2 or 3 | | | | |
| SDS Type 1 | Not Supported | Not Supported | | |
| SDS Type 2 | Not Supported | Not Supported | | |
| SDS Type 3 | Not Supported | Not Supported | | |
| SDS-TL | PASSED Regression 3_pass_of_5 | PASSED Complete 5_pass_of_5 | | |
| Individually Addressed | PASSED Complete 1_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Group Addressed | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Using MS-ISDN dialling | Not Supported | Not Supported | | |
| Using UCS2 coding scheme | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Using 7-bit coding scheme | Not Supported | Not Supported | | |
| Using 8-bit Latin 1 coding scheme | Regression 0_pass_of_1 | - | | |
| Using 8-bit Latin 5 coding scheme | PASSED Complete 1_pass_of_1 | - | | |
| Using 8-bit Latin 9 coding scheme | Not Supported | - | | |
| Store and Forward | Not Supported | Not Supported | | |
| Individually Addressed | Not Supported | Not Supported | | |
| Group Addressed | Not Supported | Not Supported | | |
| Dynamic Group Number Assignment (DGNA) | | | | |
| Support for individually addressed DGNA | PASSED Regression 6_pass_of_7 | PASSED Complete 2_pass_of_2 | | |
| Support for individually addressed DGNA assignment without attachment | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Support for individually addressed DGNA assignment with attachment as selected group | PASSED Complete 2_pass_of_2 | Not Supported | | |

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| Support for individually addressed DGNA assignment with attachment as scanned group | PASSED Complete 2_pass_of_2 | Not Supported | | |
| Support for individually addressed DGNA assignment with rejected attachment | PASSED Complete 1_pass_of_1 | Not Supported | | |
| Support for individually addressed assignment for pre-programmed group | Not Supported | Not Supported | | |
| Support for group addressed DGNA | PASSED Regression 1_pass_of_3 | PASSED Complete 3_pass_of_3 | | |
| Support for group addressed DGNA assignment | Regression 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Management of 'group assignment lifetime' | PASSED Complete 1_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Support for group addressed DGNA deassignment | Regression 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Tolerance of unsupported DGNA functions | | | | |
| MS tolerance of unsupported individual addressed DGNA signalling | Not Supported | Not Supported | | |
| MS tolerance of unsupported group addressed DGNA signalling | Not Supported | Not Supported | | |
| Authentication | | | | |
| SwMI Initiated (non-mutual) Authentication | PASSED Regression 1_pass_of_3 | PASSED Complete 3_pass_of_3 | | |
| Attach with authentication | Regression 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Roaming with authentication | PASSED Complete 1_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| SwMI rejects MS during authentication | Regression 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| MS rejects SwMI during authentication | Not Supported | Not Supported | | |

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| SwMI Initiated Authentication made Mutual by MS | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Attach with authentication | Regression 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Roaming with authentication | PASSED Complete 1_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| TEI Query | | | | |
| TEI Query Operation | Not Supported | Not Supported | | |
| Packet Data | | | | |
| Context Management | PASSED Regression 3_pass_of_9 | PASSED Complete 9_pass_of_9 | | |
| Context Activation | PASSED Regression 2_pass_of_7 | PASSED Complete 7_pass_of_7 | | |
| User authentication | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Single Slot Packet Data | PASSED Regression 3_pass_of_10 | PASSED Complete 10_pass_of_10 | | |
| Data Transfer | PASSED Regression 2_pass_of_7 | PASSED Complete 7_pass_of_7 | | |
| Cell re-selection | PASSED Regression 1_pass_of_3 | PASSED Complete 3_pass_of_3 | | |
| Multi Slot Packet Data | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Data Transfer | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| TEDS | | | | |
| TEDS with Context Activation | Not Supported | Not Supported | | |
| TEDS Data Transmission, using LLC Optimisation | Not Supported | - | | |
| TEDS Data Transmission, not using LLC Optimisation | Not Supported | Not Supported | | |
| TEDS Cell Reselection, using LLC Optimisation | Not Supported | - | | |
| TEDS Cell Reselection, not using LLC Optimisation | Not Supported | Not Supported | | |
| Mixed band operation | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |

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|---|----------------------------------|--------------------------------|--|--|
| Mixed band operation, inter-cell | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Mixed band operation, intra-cell | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Mixed band operation, Full | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| TETRA Ambience Listening (SS-AL) | | | | |
| Ambience Listening | PASSED Regression 2_pass_of_5 | PASSED Complete 5_pass_of_5 | | |
| SS-AL Call Setup | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| MS initiated SS-AL disconnection | PASSED Regression 1_pass_of_3 | PASSED Complete 3_pass_of_3 | | |
| No Indication to affected user | PASSED Regression 2_pass_of_5 | PASSED Complete 5_pass_of_5 | | |
| Interaction with Transmit Inhibit | Regression 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| AL can override TxI | Not Supported | Not Supported | | |
| AL cannot override TxI | Regression 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| End to End Encryption | | | | |
| E2EE Voice Call | PASSED Regression 2_pass_of_6 | PASSED Complete 6_pass_of_6 | | |
| Individual (P2P) call | PASSED Regression 2_pass_of_4 | PASSED Complete 4_pass_of_4 | | |
| Group (P2MP) call | Regression 0_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Clear Voice Override (CVO): Acceptance | Not Supported | Not Supported | | |
| Clear Voice Override (CVO): User Initiated | Not Supported | - | | |
| Clear Voice Override (CVO): Automatic | Not Supported | - | | |

| Air Interface Encryption | | | | |
|--|-----------------------------------|----------------------------------|--|--|
| Security Class 2 Air Interface Encryption | PASSED Regression 7_pass_of_15 | PASSED Complete 11_pass_of_11 | | |
| Location Updating and AI Signalling Protection | PASSED Regression 1_pass_of_4 | PASSED Complete 4_pass_of_4 | | |
| TM-SCK provisioning during location updating | Not Supported | Not Supported | | |
| Communications between parties using encryption | Regression 0_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Communications between clear and encrypted parties | PASSED Regression 1_pass_of_3 | PASSED Complete 3_pass_of_3 | | |
| Communications between encrypted parties on a channel designated to operate in clear | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| OTAR of TM-SCK | Not Supported | Not Supported | | |
| Change of TM-SCK | PASSED Complete 2_pass_of_2 | - | | |
| Packet Data with Class 2 Air Interface Encryption | PASSED Complete 2_pass_of_2 | - | | |
| Security Class 3 Air Interface Encryption | PASSED Regression 9_pass_of_22 | PASSED Complete 21_pass_of_21 | | |
| Clear Location Updating and AI Signalling Protection | PASSED Regression 1_pass_of_3 | PASSED Complete 10_pass_of_10 | | |
| Encrypted Location Updating and AI Signalling Protection | PASSED Regression 3_pass_of_6 | - | | |
| DCK Forwarding at MS request | Not Supported | Not Supported | | |
| DCK Forwarding by SwMI (without MS request) | Not Supported | Not Supported | | |
| DCK Retrieval | PASSED Regression 3_pass_of_6 | PASSED Complete 6_pass_of_6 | | |
| CCK provisioning during location updating | PASSED Regression 2_pass_of_6 | PASSED Complete 7_pass_of_7 | | |
| Communications between parties using encryption | Regression 0_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Communications between clear and encrypted parties | PASSED Regression 1_pass_of_3 | PASSED Complete 3_pass_of_3 | | |
| Communications between | PASSED Regression | PASSED Complete | | |

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| encrypted parties on a channel designated to operate in clear | 1_pass_of_2 | 2_pass_of_2 | | |
| OTAR of CCK | Regression 0_pass_of_2 | PASSED Complete 4_pass_of_4 | | |
| Change of CCK | PASSED Regression 1_pass_of_4 | - | | |
| Packet Data with Class 3 Air Interface Encryption | PASSED Complete 2_pass_of_2 | - | | |
| Security Class 3G Air Interface Encryption | | | | |
| GCK Key Association setting | Not Supported | Not Supported | | |
| Communications between parties using encryption | Not Supported | Not Supported | | |
| Communications between clear and encrypted parties | Not Supported | Not Supported | | |
| OTAR of GCK | Not Supported | Not Supported | | |
| Change of GCK | Not Supported | Not Supported | | |
| Management of CMG and GSKO | | | | |
| OTAR and change of CMG and GSKO | Not Supported | Not Supported | | |
| Key Status demand | | | | |
| SCK Key Status demand | Not Supported | Not Supported | | |
| GCK Key Status demand | Not Supported | Not Supported | | |
| GSKO Key Status demand | Not Supported | Not Supported | | |
| Change of Security Class for Fallback operation | | | | |
| Seamless change to Security Class 2 for BS Fallback operation | Not Supported | Not Supported | | |
| Non-seamless change to Security Class 2 for BS Fallback operation | Not Supported | Not Supported | | |
| Provisioning of TM-SCK for fallback to Security Class 2 | Not Supported | Not Supported | | |

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| operation | | | | |
| Change to Security Class 1 for BS Fallback operation | Not Supported | Not Supported | | |
| Change of Security Class (other than for Fallback operation) | | | | |
| Change between Security Class 3 and Security Class 3G | Not Supported | Not Supported | | |
| Change between Security Class 2 and Security Class 3 | Not Supported | Not Supported | | |
| Change from Security Class 3G to Security Class 2 | Not Supported | Not Supported | | |
| Key Management for Secure Direct Mode Operation | | | | |
| OTAR of DM-SCK | Not Supported | Not Supported | | |
| Change of DM-SCK | Not Supported | Not Supported | | |
| Service Interaction | | | | |
| MS initiated Service Interaction | PASSED Regression 1_pass_of_3 | PASSED Complete 3_pass_of_3 | | |
| MS initiated Circuit Mode Call during another Circuit Mode Call | PASSED Complete 1_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| MS initiated Circuit Mode Call during Packet Mode Transfer | Regression 0_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| MS initiated Packet Mode Transfer during Circuit Mode Call | Not Supported | Not Supported | | |
| SwMI initiated Service Interaction | PASSED Regression 2_pass_of_6 | PASSED Complete 6_pass_of_6 | | |
| SwMI initiated Circuit Mode Call during another Circuit Mode Call | PASSED Regression 1_pass_of_4 | PASSED Complete 4_pass_of_4 | | |
| SwMI initiated Circuit Mode Call during Packet Mode Transfer | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| SwMI initiated Packet Mode Transfer during Circuit Mode Call | Not Supported | Not Supported | | |

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| Call Waiting | | | | |
| Call Waiting in Individual Call | Not Supported | Not Supported | | |
| Call Waiting in Group Call | Not Supported | Not Supported | | |
| Enable Disable | | | | |
| Enable and temporary disable of an MS | PASSED Regression 3_pass_of_5 | FAILED Complete 4_pass_of_5 | | |
| Enable and temporary disable of an MS without authentication | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Enable and temporary disable of an MS with authentication | Not Supported | Not Supported | | |
| Registration of a temporary disabled MS | PASSED Regression 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Rejection of applicable invalid enable/disable requests | Not Supported | Not Supported | | |
| Removable SIMs do not affect the subscriber or equipment that has been enabled/disabled | Not Supported | Not Supported | | |
| Disabling of an MS during a call or while on the PDCH | PASSED Complete 1_pass_of_1 | FAILED Complete 0_pass_of_1 | | |
| Permanent disable of an MS | Regression 0_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Permanent disable of an MS with authentication | Regression 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Permanently Disabled MS cannot send air interface signalling | Regression 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Key Delivery | | | | |
| Delivery of Authentication Data | PASSED Complete 2_pass_of_2 | PASSED Complete 1_pass_of_1 | | |
| Authentication Key Delivery | PASSED Complete 1_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| ITSI Delivery | PASSED Complete 1_pass_of_1 | Not Supported | | |
| Delivery of SCK | Regression 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |

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| SCK Delivery to SCK delivery | Not Supported | Not Supported | | |
| SCK Delivery to SwMI | Regression 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| SCK Delivery to SCK loading | Not Supported | Not Supported | | |
| Delivery method | PASSED Regression 2_pass_of_3 | PASSED Complete 2_pass_of_2 | | |
| Plain text on physical media | PASSED Regression 2_pass_of_3 | PASSED Complete 2_pass_of_2 | | |
| Encrypted text on physical media | Not Supported | Not Supported | | |
| Electronic transfer | Not Supported | Not Supported | | |
| LIP | | | | |
| Location Information Protocol | PASSED Complete 5_pass_of_5 | | | |
| LIP over SDS | PASSED Complete 3_pass_of_3 | | | |
| LIP over Packet Data | Not Supported | | | |
| Time based reporting | PASSED Complete 2_pass_of_2 | | | |
| Distance based reporting - NOT TESTABLE | Not Supported | | | |
| Reporting using Long reports | Not Supported | | | |
| Reporting Enable & Disable | Not Supported | | | |
| Temporary reporting control | Not Supported | | | |
| Trigger modification | Not Supported | | | |
| Immediate Location Reporting | PASSED Complete 1_pass_of_1 | | | |
| Reporting Lifetimes | Not Supported | | | |
| Error Reporting | PASSED Complete 1_pass_of_1 | | | |