



TETRA Interoperability Certificate

**Motorola, Dimetra IP, SwMI –
Teltronic, TRM-300, Terminal**

Copenhagen, January 2011

| | | | |
|--|-----|--|----------|
| Latest Certified SwMI SW Release: | 7.1 | Latest Certified Terminal SW Release: | v07 |
| Latest Certified SwMI HW Release: | 7.1 | Latest Certified Terminal HW Release: | CCP30.03 |

ISCTI (Istituto Superiore delle Comunicazioni e delle Tecnologie dell'Informazione) certifies, that the Motorola, Dimetra IP, SwMI and the Teltronic, TRM-300, 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.

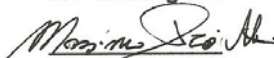
The table lists all the available TETRA interoperability profiles, and summarizes the main functionalities of every profile according to the TETRA interoperability requirement tables.

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).

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

Detailed test results and explanation about the procedure used to provide verdicts are listed in the Test Report associated to this Certificate.

IOP test engineer


Massimo Proietti

Radio Office Manager

Giuseppe Pierri



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

Date of issue:

28 June 2011

v 02



Certified features

| Tetra Association TTR001-01:Core | |
|--|-----------|
| Registration | Certified |
| Group Management | Certified |
| Group call | - |
| Individual call | - |
| Status messages | Certified |
| Pre-emptive Priority Call | - |
| Emergency Call | - |
| Cell Re-selection | Certified |
| PSTN interconnect | - |
| MS-ISDN Numbering | - |
| In Call Signalling | - |
| 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 |



TETRA ASSOCIATION

ISCTI

| | |
|--|-----------|
| 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 TTR001-11: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 TTR001-13:ED | |
| Enable and temporary disable of an MS | - |
| Permanent disable of an MS | Certified |
| Tetra Association TTR001-14:TKD | |
| Delivery of Authentication Data | Certified |
| Delivery of SCK | Certified |
| Delivery method | 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 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 grey background and the associated sub-features (or second level features) have white background.

The verdict assigned to a sub-feature as shown on page 2, is derived by the Feature compliance report tables.

| Verdict | 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 verdict assigned to a sub feature 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 (note x) | 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. A note can be associated to this result, if further clarification on the behaviour of the equipment is needed |
| Time_limited | Not all Mandated tests (as per TIC-RT indication) have been executed (ran out of time) |

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 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 annex A |
| 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 annex A |
| Regression on spot | The regression method has been applied on the verdicts based on the spot testing method |

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 Association web site (<http://www.tetra-association.com/tetramou.aspx?&id=2636>).

The feature results are shown in the tables below



Information on equipment under test and document references

| Test Session | Motorola Copenhagen January 2011 | Motorola, Copenhagen, January 2009 | | |
|--|---|---|--|--|
| SwMI Type | Dimetra IP | Dimetra IP 6.2SSR | | |
| SwMI HW Release | 7.1 | Dimetra IP | | |
| SwMI SW Release | 7.1 | IP 6.2SSR | | |
| Terminal Type | TRM-300 | TRM-300 | | |
| Terminal HW Release | CCP30.03 | CCP30.03 | | |
| Terminal SW Release | v07 | v5 | | |
| TIP Specs and TIP Compliance Test Plans | | | | |
| Core | TTR001-01 v5.1.1 IOP001-01 v2.6.4 TIC-RT001-01 v250 | TTR001-01 v500 IOP001-01 v260 TIC-RT001-01 v235 | | |
| SDS | TTR001-02 v2.0.1 IOP001-02 v2.0.0 TIC-RT001-02 v211 | TTR001-02 v201 IOP001-02 v200 TIC-RT001-02 v206 | | |
| DGNA | TTR001-03 v2.0.0 IOP001-03 v2.0.1 TIC-RT001-03 v218 | TTR001-03 v200 IOP001-03 v201 TIC-RT001-03 v212 | | |
| Auth | TTR001-04 v3.0.0 IOP001-04 v2.0.0 TIC-RT001-04 v222 | TTR001-04 v300 IOP001-04 v200 TIC-RT001-04 v216 | | |
| PD | TTR001-05 v3.0.0 IOP001-05 v3.0.2 TIC-RT001-05 v300 | TTR001-05 v200 IOP001-05 v200 TIC-RT001-05 v224 | | |



TETRA ASSOCIATION

ISCTI

| | | | | |
|------------|--|--|--|--|
| AIE | TTR001-11 v3.0.0 IOP001-11 v3.0.0 TIC-RT001-11 v3018 | TTR001-11 v300 IOP001-11 v300 TIC-RT001-11 v3014 | | |
| ED | TTR001-13 v2.0.0 IOP001-13 v1.0.0 TIC-RT001-13 v143 | TTR001-13 v200 IOP001-13 v100 TIC-RT001-13 v136 | | |
| TKD | TTR001-14 v1.0.0 IOP001-14 v1.1.4 TIC-RT001-14 v115 | TTR001-14 v100 IOP001-14 v200 TIC-RT001-14 v110 | | |



Feature compliance report

| Test Session | Motorola Copenhagen January 2011 | Motorola Copenhagen January 2009 | | |
|---|--|--|--|--|
| Core | | | | |
| Registration | Spot 0_pass_of_3 | Spot 0_pass_of_3 | | |
| ITSI attach | Spot 0_pass_of_1 | Spot 0_pass_of_1 | | |
| SwMI initiated location updating | Spot 0_pass_of_1 | Spot 0_pass_of_1 | | |
| LA timer based Periodic location updating | Not Supported | Not supported | | |
| De-registration | Spot 0_pass_of_1 | Spot 0_pass_of_1 | | |
| Group Management | PASSED Spot 2_pass_of_7 | PASSED Spot 1_pass_of_7 | | |
| Single group attachment | PASSED Spot 1_pass_of_2 | Spot 0_pass_of_2 | | |
| Multiple group attachment | PASSED Spot 1_pass_of_3 | Spot 0_pass_of_3 | | |
| MS initiated group detachment | Spot 0_pass_of_2 | PASSED Spot 1_pass_of_2 | | |
| SwMI initiated group management | Not Supported | Not supported | | |
| Group call | | | | |
| Normal group call | Not Supported | Not supported | | |
| Late entry | Not Supported | Not supported | | |
| Priority Group scanning | Not Supported | Not supported | | |
| Call setup modifications | Not Supported | Not supported | | |
| Resource Queuing based on Call Priority | Not Supported | Not supported | | |
| Broadcast Call | Not Supported | - | | |
| Limited coverage notification | Not Supported | - | | |
| Individual call | | | | |
| Simplex individual call | Not Supported | Not supported | | |
| Duplex individual call | Not Supported | Not supported | | |
| Call setup modifications | Not Supported | Not supported | | |
| Resource Queuing based on Call Priority | Not Supported | Not Supported | | |
| Indication of imminent call disconnection | Not Supported | Not Supported | | |



| | | | | |
|--|--------------------------------|--------------------------------|--|--|
| Status messages | PASSED Complete 1_pass_of_1 | Spot 0_pass_of_1 | | |
| Individual addressed Status transfer | Not Supported | Not supported | | |
| Group addressed Status transfer | PASSED Complete 1_pass_of_1 | Spot 0_pass_of_1 | | |
| Pre-emptive Priority Call | | | | |
| Pre-emption of Resources | Not Supported | Not supported | | |
| Pre-emption of Busy Users | Not Supported | Not supported | | |
| Emergency Call | | | | |
| Pre-emption of Resources | Not Supported | Not supported | | |
| Pre-emption of Busy Users | Not Supported | Not supported | | |
| Call setup modifications | Not Supported | Not supported | | |
| Call disconnection by non-call owner | Not Supported | - | | |
| Cell Re-selection | PASSED Complete 1_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Undeclared | PASSED Complete 1_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Unannounced | Not Supported | Not supported | | |
| Announced - with Call Restoration | Not Supported | Not supported | | |
| Announced - without Call Restoration | Not Supported | Not supported | | |
| Expedited | Not Supported | - | | |
| PSTN interconnect | | | | |
| TETRA Originated Call | Not Supported | Not supported | | |
| PSTN Originated Call | Not Supported | Not supported | | |
| DTMF over-dial | Not Supported | Not supported | | |
| Emergency Telephone Calls | Not Supported | Not supported | | |
| MS-ISDN Numbering | | | | |
| MS ISDN - Voice Call | Not Supported | Not supported | | |
| MS-ISDN Status | Not Supported | Not supported | | |
| In Call Signalling | | | | |
| Slow Signalling on Traffic Channel (SACCH) | Not Supported | Not supported | | |
| Fast Signalling on Traffic Channel (FACCH) | Not Supported | Not supported | | |
| Subscriber Class Procedures | Spot 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Cell Selection based on Subscriber Class | Spot 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Subscriber Class Delivery during Location Update | Not Supported | Not supported | | |
| Use of Preferred Subscriber Classes | Not Supported | Not supported | | |



| | | | | |
|---|--------------------------------|--------------------------------|--|--|
| Common Secondary Control Channels | PASSED Spot 1_pass_of_7 | | | |
| One C-SCCH per cell | Spot 0_pass_of_4 | Not supported | | |
| Two C-SCCH per cell | Spot 0_pass_of_3 | Not supported | | |
| Three C-SCCH per cell | PASSED Spot 1_pass_of_2 | Not supported | | |
| BS Fallback Operation | Spot 0_pass_of_4 | PASSED Spot 2_pass_of_7 | | |
| Switch to/from BS Fallback Operation | Spot 0_pass_of_2 | PASSED Spot 1_pass_of_2 | | |
| Roaming with BS Fallback Operation | Spot 0_pass_of_2 | PASSED Spot 1_pass_of_5 | | |
| Services with BS Fallback Operation | Not Supported | Not supported | | |
| Energy Economy Mode | | | | |
| Energy Economy Mode Operation | Not Supported | Not supported | | |
| Transmit Inhibit | PASSED Spot 2_pass_of_8 | | | |
| TXI Activation & De-Activation without Status message | PASSED Spot 1_pass_of_3 | Not supported | | |
| TXI Activation & De-Activation with Status message | PASSED Spot 1_pass_of_3 | Not supported | | |
| Receipt of group addressed service during TXI | Spot 0_pass_of_2 | Not supported | | |
| Mixed band operation | PASSED Complete 1_pass_of_1 | | | |
| Mixed band operation, inter-cell | PASSED Complete 1_pass_of_1 | - | | |
| Mixed band operation, intra-cell | Not Supported | - | | |
| Mixed band operation, Full | PASSED Complete 1_pass_of_1 | - | | |
| 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 Spot 2_pass_of_5 | PASSED Spot 1_pass_of_3 | | |
| Individually Addressed | Spot 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Group Addressed | PASSED Spot 1_pass_of_2 | Spot 0_pass_of_2 | | |
| Using MS-ISDN dialling | Not Supported | Not supported | | |
| Using UCS2 coding scheme | PASSED Spot 1_pass_of_2 | Not supported | | |
| Using 7-bit coding scheme | Not Supported | Not supported | | |



| | | | | |
|--|--------------------------------|--------------------------------|--|--|
| Store and Forward | | | | |
| Individually Addressed | Not Supported | Not supported | | |
| Group Addressed | Not Supported | Not supported | | |
| Dynamic Group Number Assignment (DGNA) | | | | |
| Support for individually addressed DGNA | PASSED Spot 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Support for individually addressed DGNA assignment without attachment | PASSED Spot 1_pass_of_2 | PASSED Complete 2_pass_of_2 | | |
| Support for individually addressed DGNA assignment with attachment as selected group | Not Supported | Not supported | | |
| Support for individually addressed DGNA assignment with attachment as scanned group | Not Supported | Not supported | | |
| Support for individually addressed DGNA assignment with rejected attachment | Not Supported | Not supported | | |
| Support for individually addressed assignment for pre-programmed group | Not Supported | Not supported | | |
| Support for group addressed DGNA | PASSED Spot 1_pass_of_3 | | | |
| Support for group addressed DGNA assignment | Spot 0_pass_of_1 | Not supported | | |
| Management of 'group assignment lifetime' | Spot 0_pass_of_1 | Not supported | | |
| Support for group addressed DGNA deassignment | PASSED Complete 1_pass_of_1 | Not supported | | |
| Tolerance of unsupported DGNA functions | | Spot 0_pass_of_1 | | |
| MS tolerance of unsupported individual addressed DGNA signalling | Not Supported | Not supported | | |
| MS tolerance of unsupported group addressed DGNA signalling | Not Supported | Spot 0_pass_of_1 | | |
| Authentication | | | | |
| SwMI Initiated (non-mutual) Authentication | PASSED Spot 1_pass_of_3 | PASSED Spot 2_pass_of_3 | | |
| Attach with authentication | Spot 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| Roaming with authentication | PASSED Complete 1_pass_of_1 | Spot 0_pass_of_1 | | |
| SwMI rejects MS during authentication | Spot 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| MS rejects SwMI during authentication | Not Supported | Not supported | | |
| SwMI Initiated Authentication made Mutual by MS | PASSED Spot 1_pass_of_2 | PASSED Spot 1_pass_of_2 | | |



| | | | | |
|---|--------------------------------|--------------------------------|--|--|
| Attach with authentication | PASSED Complete 1_pass_of_1 | Spot 0_pass_of_1 | | |
| Roaming with authentication | Spot 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| TEI Query | | | | |
| TEI Query Operation | Not Supported | Not supported | | |
| TETRA Packet Data | | | | |
| Context Management | Spot 0_pass_of_9 | PASSED Spot 4_pass_of_9 | | |
| Context Activation | Spot 0_pass_of_7 | PASSED Spot 3_pass_of_7 | | |
| User authentication | Spot 0_pass_of_2 | PASSED Spot 1_pass_of_2 | | |
| Single Slot Packet Data | PASSED Spot 3_pass_of_10 | PASSED Spot 3_pass_of_10 | | |
| Data Transfer | PASSED Spot 2_pass_of_7 | PASSED Spot 2_pass_of_7 | | |
| Cell re-selection | PASSED Spot 1_pass_of_3 | PASSED Spot 1_pass_of_3 | | |
| Multi Slot Packet Data | PASSED Spot 1_pass_of_2 | PASSED Spot 1_pass_of_2 | | |
| Data Transfer | PASSED Spot 1_pass_of_2 | PASSED Spot 1_pass_of_2 | | |
| TEDS | | | | |
| TEDS with Context Activation | Not Supported | - | | |
| TEDS Data Transmission | Not Supported | - | | |
| TEDS Cell Reselection | Not Supported | - | | |
| Mixed band operation | PASSED Spot 1_pass_of_2 | | | |
| Mixed band operation, inter-cell | PASSED Spot 1_pass_of_2 | - | | |
| Mixed band operation, intra-cell | PASSED Spot 1_pass_of_2 | - | | |
| Mixed band operation, Full | PASSED Spot 1_pass_of_2 | - | | |
| Air Interface Encryption | | | | |
| Security Class 2 Air Interface Encryption | PASSED Spot 1_pass_of_2 | PASSED Spot 1_pass_of_2 | | |
| Location Updating and AI Signalling Protection | PASSED Spot 1_pass_of_2 | PASSED Spot 1_pass_of_2 | | |
| TM-SCK provisioning during location updating | Not Supported | Not supported | | |
| Communications between parties using encryption | Not Supported | Not supported | | |



| | | | | |
|--|-------------------------|-----------------------------|--|--|
| Communications between clear and encrypted parties | Not Supported | Not supported | | |
| Communications between encrypted parties on a channel designated to operate in clear | Not Supported | Not supported | | |
| OTAR and Change of TM-SCK | Not Supported | Not supported | | |
| Security Class 3 Air Interface Encryption | PASSED Spot 2_pass_of_5 | PASSED Spot 3_pass_of_5 | | |
| Location Updating and AI Signalling Protection | PASSED Spot 2_pass_of_4 | PASSED Spot 2_pass_of_4 | | |
| DCK Forwarding at MS request | Not Supported | Not supported | | |
| DCK Forwarding by SwMI (without MS request) | Not Supported | Not supported | | |
| DCK Retrieval | PASSED Spot 1_pass_of_2 | Spot 0_pass_of_2 | | |
| CCK provisioning during location updating | PASSED Spot 2_pass_of_3 | PASSED Spot 2_pass_of_3 | | |
| Communications between parties using encryption | Not Supported | Not supported | | |
| Communications between clear and encrypted parties | Not Supported | Not supported | | |
| Communications between encrypted parties on a channel designated to operate in clear | Not Supported | Not supported | | |
| OTAR and Change of CCK | Spot 0_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| 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 and Change of GCK | Not Supported | Not supported | | |
| Change 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 | | PASSED Spot 1_pass_of_5 | | |
| Seamless change to Security Class 2 for BS Fallback operation | Not Supported | PASSED Spot 1_pass_of_5 | | |



| | | | | |
|---|-----------------------------|-------------------------------|--|--|
| 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 operation | Not Supported | Not supported | | |
| Change to Security Class 1 for BS Fallback operation | Not Supported | Not supported | | |
| Change of Security Class (other than for Fallback operation) | | Spot Time_Limited 0_pass_of_2 | | |
| Change between Security Class 3 and Security Class 3G | Not Supported | Not supported | | |
| Change between Security Class 2 and Security Class 3 | Not Supported | Spot Time_Limited 0_pass_of_2 | | |
| Change from Security Class 3G to Security Class 2 | Not Supported | Not supported | | |
| Key Management for Secure Direct Mode Operation | | | | |
| OTAR and change of DM-SCK | Not Supported | Not supported | | |
| Enable Disable | | | | |
| Enable and temporary disable of an MS | FAILED Spot 2_pass_of_5 | FAILED Spot 1_pass_of_5 | | |
| Enable and temporary disable of an MS without authentication | Spot 0_pass_of_2 | Spot 0_pass_of_2 | | |
| Enable and temporary disable of an MS with authentication | Not Supported | Not supported | | |
| Registration of a temporary disabled MS | PASSED Complete 2_pass_of_2 | PASSED Spot 1_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 | FAILED Complete 0_pass_of_1 | FAILED Complete 0_pass_of_1 | | |
| Permanent disable of an MS | PASSED Spot 1_pass_of_2 | FAILED Spot 0_pass_of_2 | | |
| Permanent disable of an MS with authentication | PASSED Complete 1_pass_of_1 | FAILED Complete 0_pass_of_1 | | |
| Permanently Disabled MS cannot send air interface signalling | Spot 0_pass_of_1 | Spot 0_pass_of_1 | | |
| Key Delivery | | | | |
| Delivery of Authentication Data | PASSED Complete 1_pass_of_1 | Spot 0_pass_of_1 | | |
| Authentication Key Delivery | PASSED Complete 1_pass_of_1 | Spot 0_pass_of_1 | | |
| ITSI Delivery | Not Supported | Not supported | | |



| | | | | |
|----------------------------------|--------------------------------|-----------------------------------|--|--|
| Delivery of SCK | PASSED Complete 1_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| SCK Delivery to SCK delivery | Not Supported | Not supported | | |
| SCK Delivery to SwMI | PASSED Complete 1_pass_of_1 | PASSED Complete 1_pass_of_1 | | |
| SCK Delivery to SCK loading | Not Supported | Not supported | | |
| Delivery method | PASSED Complete 2_pass_of_2 | PASSED Spot 1_pass_of_2 | | |
| Plain text on physical media | PASSED Complete 2_pass_of_2 | PASSED Spot 1_pass_of_2 | | |
| Encrypted text on physical media | Not Supported | Not supported | | |
| Electronic transfer | Not Supported | Not supported | | |



Annex A: Statement of commonality – Dec 2010

SoC Spot test request TRM-300

TETRA MoU
IOP Testing and Certification



Statement of Commonality – 16/12/10

| Reference identifier | Software Release | Hardware Release |
|----------------------|------------------|------------------|
| HTT-500 | v07 | CCP00.03 |

The following products are equivalent with the reference for TETRA IOP testing purposes:

| Product identifier | Software Release | Hardware Release |
|--------------------|------------------|------------------|
| TRM-300 | v07 | CCP30.03 |
| | | |
| | | |

We declare that the products behaviour is equivalent with the reference and they will reach same test results as the reference. We acknowledge the shared liability of the incurred cost should the results show otherwise.

We therefore request spot testing of the above mentioned products during the official IOP test session at Glostrup, January 2011, Motorola, where full testing of the reference will be performed.

Functionalities to be spot tested are listed in the relevant TIC-RT declaration.

For and on behalf of


Reference
Teltronic S.A.U.


Products
Teltronic S.A.U.

Authorised signatories: David Gómez
Date and place: Zaragoza, 16/12/10

Guidance information for the TETRA Certification body

The reference and the products are common in following terms

<Products are equal to the reference for the protocol stack, the radio application software and the hardware; differences are in the casing, the display and keypad, the RF hardware and the antenna>



Annex A

List of Revisions of the Certificate

| Date | Ver. | Modification |
|--------------|-------------|---|
| 24 June 2011 | 1 | First published version |
| 28 June 2011 | 2 | updating: - editorial changes regarding the year of the previous session |

IOP Test Engineer

Daniele Biondini

Radio Office Manager

Giuseppe Pierri