

DMO TETRA Interoperability Certificate

Sepura, STP8000, Repeater

Krakow & Cambridge, September 2013

Latest Certified Repeater SW Release:	1707 002 02937
Latest Certified Repeater HW Release:	PSNTW201T300R00

ISCTI (Istituto Superiore delle Comunicazioni e delle Tecnologie dell'Informazione) certifies that the Sepura STP8000 DM Repeater has been subject to interoperability testing for the features listed in the "Certified features" tables of this certificate with the following DM Terminals Sepura STP8000, SRG3900, SRH3900 and Motorola MTM800FuG and MTP850FuG in accordance with the TETRA Interoperability Profiles, TIP compliance Test Plan and related TETRA interoperability requirement tables.

The certificate features of each DM Terminal acting as master during testing is highlighted in light blue.

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 test session on September 2013. 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.

NOTE: the STP8000 Repeater was tested as Repeater Type 1A only.

IOP test engineer



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Certified features

DMO Test Session Krakow & Cambridge, September 2013 Sepura STP8000	Sepura STP8000	Sepura SRG3900	Sepura SRH3900	Motorola MTM800FuG	Motorola MTP850FuG
Features					
TTR002-03 DMO Repeater					
Presence Signal	Partial	Partial	Partial	Partial	Partial
DM-MS authorization	-	-	-	-	-
Group Call	-	-	-	-	-
Individual Call	-	-	-	-	Partial
Call Maintenance	-	-	-	-	-
Status messages	-	-	Partial	Partial	Partial
SDS TL	-	-	-	-	-
TTR002-05 DMO AIE - Rep					
DMO AIE Encryption - via Repeater Type 1A	-	-	-	-	-
DMO AIE Encryption - via Repeater Type 1B					

DMO Test Session Krakow & Cambridge, September 2013 Sepura STP8000	Sepura STP8000	Sepura SRG3900	Sepura SRH3900	Motorola MTM800FuG	Motorola MTP850FuG
Features					
TTR002-03 DMO Repeater					
Presence Signal	Partial	Partial	Partial	Partial	Partial
DM-MS authorization	-	-	-	-	-
Group Call	-	-	-	-	-
Individual Call	-	-	-	-	Partial
Call Maintenance	-	-	-	-	-
Status messages	-	Partial	-	Partial	Partial
SDS TL	-	-	-	-	-
TTR002-05 DMO AIE - Rep					
DMO AIE Encryption - via Repeater Type 1A	-	-	-	-	-
DMO AIE Encryption - via Repeater Type 1B					

DMO Test Session Krakow & Cambridge, September 2013 Sepura STP8000	Sepura STP8000	Sepura SRG3900	Sepura SRH3900	Motorola MTM800FuG	Motorola MTP850FuG
Features					
TTR002-03 DMO Repeater					
Presence Signal	Partial	Partial	Partial	Partial	Partial
DM-MS authorization	-	-	-	-	-
Group Call	-	-	-	-	-
Individual Call	-	-	-	-	Partial
Call Maintenance	-	-	-	-	-
Status messages	Partial	-	Partial	Partial	Partial
SDS TL	-	-	-	-	-
TTR002-05 DMO AIE - Rep					
DMO AIE Encryption - via Repeater Type 1A	-	-	-	-	-
DMO AIE Encryption - via Repeater Type 1B					

DMO Test Session Krakow & Cambridge, September 2013 Sepura STP8000	Sepura STP8000	Sepura SRG3900	Sepura SRH3900	Motorola MTM800FuG	Motorola MTP850FuG
Features					
TTR002-03 DMO Repeater					
Presence Signal	Partial	Partial	Partial	Partial	Partial
DM-MS authorization	-	-	-	-	-
Group Call	-	-	-	-	-
Individual Call	-	-	-	-	-
Call Maintenance	-	-	-	-	-
Status messages	Partial	Partial	Partial	-	-
SDS TL	-	-	-	-	-
TTR002-05 DMO AIE - Rep					
DMO AIE Encryption - via Repeater Type 1A	-	-	-	-	-
DMO AIE Encryption - via Repeater Type 1B					

DMO Test Session Krakow & Cambridge, September 2013 Sepura STP8000	Sepura STP8000	Sepura SRG3900	Sepura SRH3900	Motorola MTM800FuG	Motorola MTP850FuG
Features					
TTR002-03 DMO Repeater					
Presence Signal	Partial	Partial	Partial	Partial	Partial
DM-MS authorization	-	-	-	-	-
Group Call	-	-	-	-	-
Individual Call	Partial	Partial	Partial	-	-
Call Maintenance	-	-	-	-	-
Status messages	Partial	Partial	Partial	-	-
SDS TL	-	-	-	-	-
TTR002-05 DMO AIE - Rep					
DMO AIE Encryption - via Repeater Type 1A	-	-	-	-	-
DMO AIE Encryption - via Repeater Type 1B					

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 certified DM Terminal acting as master during testing is highlighted in light blue. The main features are indicated with grey background and the associated sub-features (or second level features) have white 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 test cases 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 is the result of the 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 annex B.
Regression	Only a selection of the mandatory the test cases associated to the feature is 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	<p>The TIP heading lines in the Feature Compliance Report indicate whether each TIP is partially or fully witnessed by the Certification Body.</p> <p>Additionally, for a partially-witnessed TIP, the number of witnessed test cases that passed is shown for each the feature and sub-feature. Un-witnessed passed tests have been found to be successful based on the log file evaluation</p>

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

Indication	Definition
Not supported	The Repeater and/or MS do not support the minimum features required to verify these items
/	The Result is not relevant (or needed) to verify the Repeater and/or MS features

ISCTI has made every effort to ensure that every result have 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 DM Terminals under test in the test session 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 Place/Date	Sepura, Krakow & Cambridge September 2013
Repeater Type	Sepura STP8000
Repeater HW release	PSNTW201T300R00
Repeater SW release	1707 002 02937
DM Terminal 1 Type	Sepura STP8000
DM Terminal 1 HW release	PSNTW201T300R00
DM Terminal 1 SW release	1707 002 02937
DM Terminal 2 Type	Sepura SRG3900
DM Terminal 2 HW release	MSUTW201T2C0G00
DM Terminal 2 SW release	1707 002 03577
DM Terminal 3 Type	Sepura SRH3900
DM Terminal 3 HW release	PSPTW201T400G00
DM Terminal 3 SW release	1707 002 03150
DM Terminal 4 Type	Motorola MTM800FuG
DM Terminal 4 HW release	MT953CG
DM Terminal 4 SW release	MR10.6.9
DM Terminal 5 Type	Motorola MTP850FuG
DM Terminal 5 HW release	PT912BG
DM Terminal 5 SW release	MR5.14.9

TIP Specs and TIP Compliance Test Plans	
Repeater	TTR002-03 v110 IOP002-03 v100 TIC-RT002-03 v111
DAIE -Rep	TTR002-05 v100 IOP002-05 v100 TIC-RT002-05-3_DAIE-Rep1 v106

Feature compliance report

DMO Test Session Krakow & Cambridge, September 2013 Sepura STP8000	Sepura STP8000	Sepura SRG3900	Sepura SRH3900	Motorola MTM800FuG	Motorola MTP850FuG
TTR002-03 Repeater					
Presence Signal	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5
Presence Signal on free channel	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1
Presence Signal on occupied channel	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
DM-MS authorization	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Usage Restriction Type	Incomplete 0_pass_of_5	Incomplete 0_pass_of_5	Incomplete 0_pass_of_5	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Validity Time	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Not_Supported	Not_Supported
Group call	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Intra-MNI Group Calls	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Inter-MNI Group Calls	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Individual Call	Incomplete 0_pass_of_5	Incomplete 0_pass_of_5	Incomplete 0_pass_of_5	Incomplete 0_pass_of_6	Incomplete 1_pass_of_6
Individual Call with Presence Check	Incomplete 0_pass_of_3	Incomplete 0_pass_of_3	Incomplete 0_pass_of_3	Incomplete 0_pass_of_4	Incomplete 1_pass_of_4
Individual call without Presence Check	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2

Call Maintenance	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19
Changeover	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Pre-emption	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6
Procedures in Occupation	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6
Procedures in Reservation	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7
Status Messages	Incomplete 0_pass_of_14	Incomplete 0_pass_of_14	Incomplete 3_pass_of_14	Incomplete 3_pass_of_14	Incomplete 3_pass_of_14
Intra-MNI Status Calls	Incomplete 0_pass_of_14	Incomplete 0_pass_of_14	Incomplete 3_pass_of_14	Incomplete 3_pass_of_14	Incomplete 3_pass_of_14
Individual Status Calls	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Group Status call	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12	Incomplete 3_pass_of_12	Incomplete 3_pass_of_12	Incomplete 3_pass_of_12
SDS TL	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
SDS-TL messages	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
DMO AIE Encryption - via Repeater Type 1A	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12
Encrypted Group Calls	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Encrypted Individual Calls	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Encrypted Status messages	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Pre-emption of encrypted activity	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Handling mismatched keys	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2

DMO AIE Encryption - via Repeater Type 1B					
Encrypted Group Calls					
Encrypted Individual Calls					
Encrypted Status messages					
Pre-emption of encrypted activity					
Handling mismatched keys					

Note: The DM-MSA under test is highlighted in light blue background.

DMO Test Session Krakow & Cambridge, September 2013 Sepura STP8000	Sepura STP8000	Sepura SRG3900	Sepura SRH3900	Motorola MTM800FuG	Motorola MTP850FuG
TTR002-03 Repeater					
Presence Signal	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5
Presence Signal on free channel	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1
Presence Signal on occupied channel	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
DM-MS authorization	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Usage Restriction Type	Incomplete 0_pass_of_5	Incomplete 0_pass_of_5	Incomplete 0_pass_of_5	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Validity Time	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Not_Supported	Not_Supported
Group call	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Intra-MNI Group Calls	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Inter-MNI Group Calls	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2

DMO Test Session Krakow & Cambridge, September 2013 Sepura STP8000	Sepura STP8000	Sepura SRG3900	Sepura SRH3900	Motorola MTM800FuG	Motorola MTP850FuG
Individual Call	Incomplete 0_pass_of_5	Incomplete 0_pass_of_5	Incomplete 0_pass_of_5	Incomplete 0_pass_of_6	Incomplete 1_pass_of_6
Individual Call with Presence Check	Incomplete 0_pass_of_3	Incomplete 0_pass_of_3	Incomplete 0_pass_of_3	Incomplete 0_pass_of_4	Incomplete 1_pass_of_4
Individual call without Presence Check	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Call Maintenance	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19
Changeover	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Pre-emption	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6
Procedures in Occupation	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6
Procedures in Reservation	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7
Status Messages	Incomplete 0_pass_of_14	Incomplete 6_pass_of_14	Incomplete 0_pass_of_14	Incomplete 1_pass_of_14	Incomplete 2_pass_of_14
Intra-MNI Status Calls	Incomplete 0_pass_of_14	Incomplete 6_pass_of_14	Incomplete 0_pass_of_14	Incomplete 1_pass_of_14	Incomplete 2_pass_of_14
Individual Status Calls	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Group Status call	Incomplete 0_pass_of_12	Incomplete 6_pass_of_12	Incomplete 0_pass_of_12	Incomplete 1_pass_of_12	Incomplete 2_pass_of_12
SDS TL	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
SDS-TL messages	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4

DMO AIE Encryption - via Repeater Type 1A	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12
Encrypted Group Calls	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Encrypted Individual Calls	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Encrypted Status messages	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Pre-emption of encrypted activity	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Handling mismatched keys	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
DMO AIE Encryption - via Repeater Type 1B					
Encrypted Group Calls					
Encrypted Individual Calls					
Encrypted Status messages					
Pre-emption of encrypted activity					
Handling mismatched keys					

Note: The DM-MSA under test is highlighted in light blue background.

DMO Test Session Krakow & Cambridge, September 2013 Sepura STP8000	Sepura STP8000	Sepura SRG3900	Sepura SRH3900	Motorola MTM800FuG	Motorola MTP850FuG
TTR002-03 Repeater					
Presence Signal	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5
Presence Signal on free channel	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1
Presence Signal on occupied channel	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
DM-MS authorization	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Usage Restriction Type	Incomplete 0_pass_of_5	Incomplete 0_pass_of_5	Incomplete 0_pass_of_5	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Validity Time	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Not_Supported	Not_Supported
Group call	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Intra-MNI Group Calls	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Inter-MNI Group Calls	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Individual Call	Incomplete 0_pass_of_5	Incomplete 0_pass_of_5	Incomplete 0_pass_of_5	Incomplete 0_pass_of_6	Incomplete 1_pass_of_6
Individual Call with Presence Check	Incomplete 0_pass_of_3	Incomplete 0_pass_of_3	Incomplete 0_pass_of_3	Incomplete 0_pass_of_4	Incomplete 1_pass_of_4
Individual call without Presence Check	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Call Maintenance	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19
Changeover	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2

DMO Test Session Krakow & Cambridge, September 2013 Sepura STP8000	Sepura STP8000	Sepura SRG3900	Sepura SRH3900	Motorola MTM800FuG	Motorola MTP850FuG
Pre-emption	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6
Procedures in Occupation	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6
Procedures in Reservation	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7
Status Messages	Incomplete 3_pass_of_14	Incomplete 0_pass_of_14	Incomplete 6_pass_of_14	Incomplete 3_pass_of_14	Incomplete 2_pass_of_14
Intra-MNI Status Calls	Incomplete 3_pass_of_14	Incomplete 0_pass_of_14	Incomplete 6_pass_of_14	Incomplete 3_pass_of_14	Incomplete 2_pass_of_14
Individual Status Calls	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Group Status call	Incomplete 3_pass_of_12	Incomplete 0_pass_of_12	Incomplete 6_pass_of_12	Incomplete 3_pass_of_12	Incomplete 2_pass_of_12
SDS TL	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
SDS-TL messages	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
DMO AIE Encryption - via Repeater Type 1A	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12
Encrypted Group Calls	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Encrypted Individual Calls	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Encrypted Status messages	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Pre-emption of encrypted activity	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Handling mismatched keys	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2

DMO Test Session Krakow & Cambridge, September 2013 Sepura STP8000	Sepura STP8000	Sepura SRG3900	Sepura SRH3900	Motorola MTM800FuG	Motorola MTP850FuG
DMO AIE Encryption - via Repeater Type 1B					
Encrypted Group Calls					
Encrypted Individual Calls					
Encrypted Status messages					
Pre-emption of encrypted activity					
Handling mismatched keys					

Note: The DM-MSA under test is highlighted in light blue background.

DMO Test Session Krakow & Cambridge, September 2013 Sepura STP8000	Sepura STP8000	Sepura SRG3900	Sepura SRH3900	Motorola MTM800FuG	Motorola MTP850FuG
TTR002-03 Repeater					
Presence Signal	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5
Presence Signal on free channel	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1
Presence Signal on occupied channel	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
DM-MS authorization	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Usage Restriction Type	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Validity Time	Not_Supported	Not_Supported	Not_Supported	Not_Supported	Not_Supported

Group call	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Intra-MNI Group Calls	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Inter-MNI Group Calls	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Individual Call	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7
Individual Call with Presence Check	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_5	Incomplete 0_pass_of_5
Individual call without Presence Check	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Call Maintenance	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19
Changeover	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Pre-emption	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6
Procedures in Occupation	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6
Procedures in Reservation	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7
Status Messages	Incomplete 3_pass_of_14	Incomplete 1_pass_of_14	Incomplete 3_pass_of_14	Incomplete 0_pass_of_14	Incomplete 0_pass_of_14
Intra-MNI Status Calls	Incomplete 3_pass_of_14	Incomplete 1_pass_of_14	Incomplete 3_pass_of_14	Incomplete 0_pass_of_14	Incomplete 0_pass_of_14
Individual Status Calls	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Group Status call	Incomplete 3_pass_of_12	Incomplete 1_pass_of_12	Incomplete 3_pass_of_12	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12
SDS TL	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
SDS-TL messages	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4

DMO AIE Encryption - via Repeater Type 1A	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12
Encrypted Group Calls	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Encrypted Individual Calls	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Encrypted Status messages	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Pre-emption of encrypted activity	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Handling mismatched keys	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
DMO AIE Encryption - via Repeater Type 1B					
Encrypted Group Calls					
Encrypted Individual Calls					
Encrypted Status messages					
Pre-emption of encrypted activity					
Handling mismatched keys					

Note: The DM-MSA under test is highlighted in light blue background.

DMO Test Session Krakow & Cambridge, September 2013 Sepura STP8000	Sepura STP8000	Sepura SRG3900	Sepura SRH3900	Motorola MTM800FuG	Motorola MTP850FuG
TTR002-03 Repeater					
Presence Signal	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5	Incomplete 1_pass_of_5
Presence Signal on free channel	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1

Presence Signal on occupied channel	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
DM-MS authorization	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Usage Restriction Type	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Validity Time	Not_Supported	Not_Supported	Not_Supported	Not_Supported	Not_Supported
Group call	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Intra-MNI Group Calls	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Inter-MNI Group Calls	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Individual Call	Incomplete 1_pass_of_6	Incomplete 1_pass_of_6	Incomplete 1_pass_of_6	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7
Individual Call with Presence Check	Incomplete 1_pass_of_4	Incomplete 1_pass_of_4	Incomplete 1_pass_of_4	Incomplete 0_pass_of_5	Incomplete 0_pass_of_5
Individual call without Presence Check	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Call Maintenance	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19	Incomplete 0_pass_of_19
Changeover	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Pre-emption	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6
Procedures in Occupation	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6	Incomplete 0_pass_of_6
Procedures in Reservation	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7
Status Messages	Incomplete 3_pass_of_14	Incomplete 2_pass_of_14	Incomplete 2_pass_of_14	Incomplete 0_pass_of_14	Incomplete 0_pass_of_14
Intra-MNI Status Calls	Incomplete 3_pass_of_14	Incomplete 2_pass_of_14	Incomplete 2_pass_of_14	Incomplete 0_pass_of_14	Incomplete 0_pass_of_14

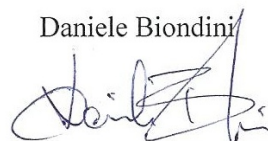
Individual Status Calls	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Group Status call	Incomplete 3_pass_of_12	Incomplete 2_pass_of_12	Incomplete 2_pass_of_12	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12
SDS TL	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
SDS-TL messages	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
DMO AIE Encryption - via Repeater Type 1A	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12	Incomplete 0_pass_of_12
Encrypted Group Calls	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Encrypted Individual Calls	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Encrypted Status messages	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Pre-emption of encrypted activity	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Handling mismatched keys	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
DMO AIE Encryption - via Repeater Type 1B					
Encrypted Group Calls					
Encrypted Individual Calls					
Encrypted Status messages					
Pre-emption of encrypted activity					
Handling mismatched keys					

Note: The DM-MSA under test is highlighted in light blue background.

Annex A

List of Revisions of the Certificate		
Date	Ver.	Modification
11 October 2013	1	First published version
14 October 2013	2	updating: - updated test results of DM-MS Authorization Subfeature to "incomplete 0_pass of_4" in Feature Compliance Report at page 19 and 21.

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