TETRA Interoperability Certificate

Motorola Solutions, Dimetra IP R8.2, SwMI – Sepura, SRG3900, Terminal

Krakow, April 2014

Latest Certified SwMI SW Release:	8.2	**Latest Certified Terminal SW Release:**	1711 013 03577
Latest Certified SwMI HW Release:	Dimetra IP R8.2	**Latest Certified Terminal HW Release:**	MSUTW201T2C0G00

ISCTI (Istituto Superiore delle Comunicazioni e delle Tecnologie dell'Informazione) certifies, that the Motorola Solutions, Dimetra IP R8.2, SwMI and the Sepura, SRG3900, 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.

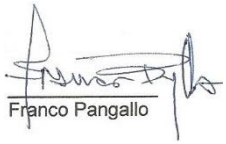
A feature is "Certified" when it has been successfully tested during the last test session with one of the testing method described in the TETRA process document part 1 (TPD001-01).

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 Sepura 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.

This v3 Certificate has been re-issued, because it has been recognized that the change of declarations for group addressed Full Callout was in contradiction with the TIC process. The result of the Callout tests 3.1.1 and 3.1.2 are not valid because the Callout host application simulator which was used to support the testing was not TIP compliant. To reflect this fact the test result "Not Applicable" (N/A) was applied to these two tests.

IOP test engineer



Head of the Procedure

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Reason: MoldSign Signature
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Date of issue

24 March 2016

v3

Certified features

Tetra Association TTR001-01:Core	
Registration	Partial
Group Management	Certified
Group call	Certified
Individual call	Certified
Status messages	Certified
Pre-emptive Priority Call	Certified
Emergency Call	Certified
Cell Re-selection	Certified
PSTN interconnect	Certified
MS-ISDN Numbering	-
In Call Signalling	Certified
Subscriber Class Procedures	Certified
Common Secondary Control Channels	Certified
BS Fallback Operation	Certified
Energy Economy Mode	-
Transmit Inhibit	Certified
Mixed band operation	Certified
Tetra Association TTR001-02:SDS	
SDS Type 1, 2 or 3	-
SDS-TL	Certified
Store and Forward	Certified
Tetra Association TTR001-03:DGNA	
Support for individually addressed DGNA	Certified
Support for group addressed DGNA	Certified

Tolerance of unsupported DGNA functions	-
Tetra Association TTR001-05:PD	
Context Management	Certified
Single Slot Packet Data	Certified
Multi Slot Packet Data	Certified
TEDS	-
Mixed band operation	-
Tetra Association TTR001-09:AL	
Ambience Listening	Certified
Interaction with Transmit Inhibit	Certified
Tetra Association TTR001-11:AIE	
Security Class 2 Air Interface Encryption	Partial
Security Class 3 Air Interface Encryption	Certified
Security Class 3G Air Interface Encryption	-
Change of CMG and GSKO	Certified
Key Status demand	Certified
Change of Security Class for Fallback operation	Certified
Change of Security Class (other than for Fallback operation)	Certified
Key Management for Secure Direct Mode Operation	Certified
Tetra Association TTR001-19:LIP	
Location Information Protocol	Certified
Tetra Association TTR001-21:Callout	
Full Callout	Certified
Simple Callout	-
Interaction with other services and events	Certified
Callout Test and Callout Availability	-
Callout Text and Callout Pre-Coded Status	Partial
Storage of Callout Information	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 7.1		
SwMI HW Release	Dimetra IP R8.2	7.1		
SwMI SW Release	8,2	7.1		

Terminal Type	SRG3900	SRG3900		
Terminal HW Release	MSUTW201T2C0G00	MSUTW201T2C0G00		
Terminal SW Release	1711 013 03577	1678 003 03577		
SwMI Callout Application simulator SW release	1.1			
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	TTR001-01 v5.1.1 IOP001-01 v2.6.4 TIC-RT001-01 v250		
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		
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		
LIP	TTR001-19 v1.0.0 IOP001-19 v1.0.0 TIC-RT001-19 v105			
Callout	TTR001-21 v1.0.0 IOP001-21 v1.0.0 TIC-RT001-21 v103			

Feature compliance report

Test Session	Motorola Solutions Krakow April 2014	Motorola Copenhagen January 2011		
Core				
Registration	Regression Incomplete 0_pass_of_4	Spot 0_pass_of_3		
ITSI attach	Regression 0_pass_of_1	Spot 0_pass_of_1		
SwMI initiated location updating	Regression Incomplete 0_pass_of_2	Spot 0_pass_of_1		
LA timer based Periodic location updating	Not Supported	Not Supported		
De-registration	Regression 0_pass_of_1	Spot 0_pass_of_1		
Group Management	PASSED Regression 5_pass_of_11	PASSED Spot 1_pass_of_6		
Single group attachment	PASSED Regression 2_pass_of_5	PASSED Spot 1_pass_of_3		
Multiple group attachment	PASSED Regression 1_pass_of_4	Spot 0_pass_of_3		
MS initiated group detachment	PASSED Complete 2_pass_of_2	Not Supported		
SwMI initiated group management	Not Supported	Not Supported		
Group call	PASSED Regression 3_pass_of_9	PASSED Spot 2_pass_of_9		
Normal group call	Regression 0_pass_of_3	Spot 0_pass_of_3		
Late entry	Regression 0_pass_of_1	Spot 0_pass_of_1		
Priority Group scanning	PASSED Regression 1_pass_of_3	PASSED Spot 1_pass_of_3		
Call setup modifications	PASSED Complete 1_pass_of_1	Spot 0_pass_of_1		
Resource Queuing based on Call Priority	PASSED Complete 1_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 Spot 2_pass_of_7		
Simplex individual call	PASSED Regression 1_pass_of_3	PASSED Spot 1_pass_of_3		
Duplex individual call	PASSED Regression 1_pass_of_2	PASSED Spot 1_pass_of_2		
Call setup modifications	Not Supported	Not Supported		
Resource Queuing based on Call Priority	Regression 0_pass_of_2	Spot 0_pass_of_2		
Indication of imminent call disconnection	Not Supported	Not Supported		
Status messages	Regression 0_pass_of_1	PASSED Complete 1_pass_of_1		
Individual addressed Status transfer	Not Supported	Not Supported		
Group addressed Status transfer	Regression 0_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 Spot 1_pass_of_2		
Pre-emption of Resources	PASSED Complete 1_pass_of_1	Spot 0_pass_of_1		
Pre-emption of Busy Users	Regression 0_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 9_pass_of_16	PASSED Spot 3_pass_of_16		
Undeclared	Regression 0_pass_of_1	Spot 0_pass_of_1		
Unannounced	Regression 0_pass_of_3	Spot 0_pass_of_3		
Announced - with Call Restoration	PASSED Regression 9_pass_of_12	PASSED Spot 3_pass_of_12		
Announced - without Call Restoration	Not Supported	Not Supported		
Expedited	Not Supported	Not Supported		

PSTN interconnect	PASSED Regression 1_pass_of_4	PASSED Spot 1_pass_of_4		
TETRA Originated Call	PASSED Regression 1_pass_of_2	PASSED Spot 1_pass_of_2		
PSTN Originated Call	Regression 0_pass_of_1	Spot 0_pass_of_1		
DTMF over-dial	Regression 0_pass_of_1	Spot 0_pass_of_1		
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	PASSED Regression 1_pass_of_5	PASSED Spot 1_pass_of_5		
Slow Signalling on Traffic Channel (SACCH)	PASSED Regression 1_pass_of_4	PASSED Spot 1_pass_of_4		
Fast Signalling on Traffic Channel (FACCH)	Regression 0_pass_of_1	Spot 0_pass_of_1		
Subscriber Class Procedures	PASSED Regression 3_pass_of_6	PASSED Spot 1_pass_of_4		
Cell Selection based on Subscriber Class	PASSED Regression 2_pass_of_3	Spot 0_pass_of_1		
Subscriber Class Delivery during Location Update	Not Supported	Not Supported		
Use of Preferred Subscriber Classes	PASSED Regression 1_pass_of_3	PASSED Spot 1_pass_of_3		
Common Secondary Control Channels	PASSED Regression 2_pass_of_7	PASSED Spot 1_pass_of_7		
One C-SCCH per cell	PASSED Regression 2_pass_of_4	PASSED Spot 1_pass_of_4		
Two C-SCCH per cell	PASSED Regression 1_pass_of_3	Spot 0_pass_of_3		
Three C-SCCH per cell	Regression 0_pass_of_2	Spot 0_pass_of_2		
BS Fallback Operation	PASSED Regression 4_pass_of_9	PASSED Spot No_Equipment 1_pass_of_12		
Switch to/from BS Fallback Operation	Regression 0_pass_of_2	PASSED Spot 1_pass_of_2		
Roaming with BS Fallback Operation	PASSED Complete 2_pass_of_2	Spot No_Equipment 0_pass_of_6		
Services with BS Fallback Operation	PASSED Regression 2_pass_of_5	Spot 0_pass_of_4		

Energy Economy Mode				
Energy Economy Mode Operation	Not Supported	Not Supported		
Transmit Inhibit	PASSED Regression 4_pass_of_9	Spot 0_pass_of_10		
TXI Activation & De-Activation	PASSED Regression 2_pass_of_4	Spot 0_pass_of_4		
TXI Activation & De-Activation with TxI Status available to the Dispatcher	PASSED Regression 2_pass_of_4	Spot 0_pass_of_4		
Receipt of group addressed service during TXI	Regression 0_pass_of_1	Spot 0_pass_of_2		
Mixed band operation	PASSED Regression 2_pass_of_4	PASSED Spot 2_pass_of_4		
Mixed band operation, inter-cell	PASSED Regression 2_pass_of_4	PASSED Spot 2_pass_of_4		
Mixed band operation, intra-cell	PASSED Regression 2_pass_of_3	PASSED Spot 2_pass_of_3		
Mixed band operation, Full	PASSED Regression 2_pass_of_3	PASSED Spot 2_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_9	PASSED Spot 3_pass_of_12		
Individually Addressed	Regression 0_pass_of_2	PASSED Spot 1_pass_of_2		
Group Addressed	PASSED Regression 1_pass_of_2	PASSED Spot 1_pass_of_2		
Using MS-ISDN dialling	Not Supported	Not Supported		
Using UCS2 coding scheme	PASSED Regression 2_pass_of_3	Spot 0_pass_of_5		
Using 7-bit coding scheme	Regression 0_pass_of_2	PASSED Spot 1_pass_of_3		
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	PASSED Regression 1_pass_of_1	-		

Store and Forward	PASSED Regression 1_pass_of_3	PASSED Spot 1_pass_of_9		
Individually Addressed	PASSED Regression 1_pass_of_3	PASSED Spot 1_pass_of_9		
Group Addressed	Not Supported	Not Supported		
Dynamic Group Number Assignment (DGNA)				
Support for individually addressed DGNA	PASSED Regression 7_pass_of_11	PASSED Spot 2_pass_of_6		
Support for individually addressed DGNA assignment without attachment	PASSED Regression 1_pass_of_4	PASSED Spot 2_pass_of_4		
Support for individually addressed DGNA assignment with attachment as selected group	PASSED Complete 2_pass_of_2	Not Supported		
Support for individually addressed DGNA assignment with attachment as scanned group	PASSED Complete 3_pass_of_3	Not Supported		
Support for individually addressed DGNA assignment with rejected attachment	Not Supported	Not Supported		
Support for individually addressed assigment for pre-programmed group	PASSED Regression 2_pass_of_5	Spot 0_pass_of_4		
Support for group addressed DGNA	PASSED Regression 3_pass_of_5	PASSED Spot 1_pass_of_6		
Support for group addressed DGNA assignment	PASSED Regression 1_pass_of_2	PASSED Spot 1_pass_of_3		
Management of 'group assignment lifetime'	PASSED Complete 2_pass_of_2	Spot 0_pass_of_2		
Support for group addressed DGNA deassignment	Regression 0_pass_of_1	Spot 0_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		
Packet Data				
Context Management	PASSED Regression 1_pass_of_11	PASSED Spot 1_pass_of_11		
Context Activation	PASSED Regression 1_pass_of_7	PASSED Spot 1_pass_of_7		
User authentication	Regression 0_pass_of_4	Spot 0_pass_of_4		
Single Slot Packet Data	PASSED Regression 6_pass_of_9	PASSED Spot 3_pass_of_9		
Data Transfer	PASSED Regression 4_pass_of_6	PASSED Spot 2_pass_of_6		
Cell re-selection	PASSED Regression 2_pass_of_3	PASSED Spot 1_pass_of_3		
Multi Slot Packet Data	PASSED Regression 2_pass_of_4	Spot 0_pass_of_4		
Data Transfer	PASSED Regression 2_pass_of_4	Spot 0_pass_of_4		
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	Complete	PASSED Spot		

		1_pass_of_2		
Mixed band operation, inter-cell	Complete	PASSED Spot 1_pass_of_2		
Mixed band operation, intra-cell	Complete	PASSED Spot 1_pass_of_2		
Mixed band operation, Full	Complete	PASSED Spot 1_pass_of_2		
TETRA Ambience Listening (SS-AL)				
Ambience Listening	PASSED Regression 1_pass_of_5	PASSED Spot 2_pass_of_5		
SS-AL Call Setup	PASSED Regression 1_pass_of_2	Spot 0_pass_of_2		
MS initiated SS-AL disconnection	Regression 0_pass_of_3	PASSED Spot 2_pass_of_3		
No Indication to affected user	PASSED Regression 1_pass_of_5	PASSED Spot 2_pass_of_5		
Interaction with Transmit Inhibit	PASSED Complete 2_pass_of_2	Spot 0_pass_of_2		
AL can override TxI	PASSED Complete 1_pass_of_1	Spot 0_pass_of_1		
AL cannot override TxI	PASSED Complete 1_pass_of_1	Spot 0_pass_of_1		
Air Interface Encryption				
Security Class 2 Air Interface Encryption	Regression Incomplete 8_pass_of_20	PASSED Spot 6_pass_of_18		
Location Updating and AI Signalling Protection	PASSED Regression 3_pass_of_7	PASSED Spot 3_pass_of_7		
TM-SCK provisioning during location updating	PASSED Regression 1_pass_of_2	Spot 0_pass_of_2		
Communications between parties using encryption	Regression 0_pass_of_2	PASSED Spot 1_pass_of_2		
Communications between clear and encrypted parties	PASSED Regression 2_pass_of_3	PASSED Spot 1_pass_of_3		

Communications between encrypted parties on a channel designated to operate in clear	PASSED Regression 1_pass_of_2	PASSED Spot 1_pass_of_2		
OTAR of TM-SCK	Regression 0_pass_of_2	Spot 0_pass_of_4		
Change of TM-SCK	PASSED Regression 1_pass_of_4	-		
Packet Data with Class 2 Air Interface Encryption	Incomplete 1_pass_of_2	-		
Security Class 3 Air Interface Encryption	PASSED Regression 9_pass_of_25	PASSED Spot 4_pass_of_22		
Clear Location Updating and AI Signalling Protection	Regression 0_pass_of_4	PASSED Spot 2_pass_of_11		
Encrypted Location Updating and AI Signalling Protection	PASSED Regression 5_pass_of_8			
DCK Forwarding at MS request	Not Supported	Not Supported		
DCK Forwarding by SwMI (without MS request)	PASSED Complete 1_pass_of_1	Not Supported		
DCK Retrieval	PASSED Regression 4_pass_of_7	PASSED Spot 1_pass_of_7		
CCK provisioning during location updating	PASSED Regression 1_pass_of_7	PASSED Spot 2_pass_of_7		
Communications between parties using encryption	Regression 0_pass_of_2	PASSED Spot 1_pass_of_2		
Communications between clear and encrypted parties	PASSED Regression 2_pass_of_3	Spot 0_pass_of_3		
Communications between encrypted parties on a channel designated to operate in clear	Regression 0_pass_of_2	Spot 0_pass_of_2		
OTAR of CCK	Regression 0_pass_of_2	PASSED Spot 1_pass_of_4		
Change of CCK	PASSED Regression 1_pass_of_4	PASSED Spot 1_pass_of_7		
Packet Data with Class 3 Air	PASSED Regression	-		

Interface Encryption	1_pass_of_2			
Security Class 3G Air Interface Encryption	FAILED Regression 2_pass_of_8	Spot 0_pass_of_8		
GCK Key Association setting	PASSED Regression 1_pass_of_2	Spot 0_pass_of_2		
Communications between parties using encryption	Regression 0_pass_of_2	Spot 0_pass_of_2		
Communications between clear and encrypted parties	PASSED Complete 1_pass_of_1	Spot 0_pass_of_1		
OTAR of GCK	FAILED Regression 0_pass_of_2	Spot 0_pass_of_3		
Change of GCK	FAILED Regression 0_pass_of_3	-		
Management of CMG and GSKO	PASSED Regression 2_pass_of_5	PASSED Spot 1_pass_of_5		
OTAR and change of CMG and GSKO	PASSED Regression 2_pass_of_5	PASSED Spot 1_pass_of_5		
Key Status demand	PASSED Regression 1_pass_of_4	Spot 0_pass_of_4		
SCK Key Status demand	Regression 0_pass_of_2	Spot 0_pass_of_2		
GCK Key Status demand	Regression 0_pass_of_1	Spot 0_pass_of_1		
GSKO Key Status demand	PASSED Complete 1_pass_of_1	Spot 0_pass_of_1		
Change of Security Class for Fallback operation	PASSED Regression 2_pass_of_12	PASSED Spot 2_pass_of_12		
Seamless change to Security Class 2 for BS Fallback operation	PASSED Regression 2_pass_of_10	PASSED Spot 2_pass_of_10		
Non-seamless change to Security Class 2 for BS Fallback operation	Not Supported	Not Supported		
Provisioning of TM-SCK for	Regression	Spot 0_pass_of_2		

fallback to Security Class 2 operation	0_pass_of_2			
Change to Security Class 1 for BS Fallback operation	Not Supported	Not Supported		
Change of Security Class (other than for Fallback operation)	PASSED Regression 1_pass_of_5	PASSED Spot 1_pass_of_5		
Change between Security Class 3 and Security Class 3G	Regression 0_pass_of_2	PASSED Spot 1_pass_of_2		
Change between Security Class 2 and Security Class 3	PASSED Regression 1_pass_of_2	Spot 0_pass_of_2		
Change from Security Class 3G to Security Class 2	Regression 0_pass_of_1	Spot 0_pass_of_1		
Key Management for Secure Direct Mode Operation	PASSED Regression 1_pass_of_3	PASSED Spot 1_pass_of_3		
OTAR of DM-SCK	PASSED Regression 1_pass_of_3	PASSED Spot 1_pass_of_3		
Change of DM-SCK	PASSED Regression 1_pass_of_2	-		
LIP				
Location Information Protocol	PASSED Complete 8_pass_of_8			
LIP over SDS	PASSED Complete 5_pass_of_5			
LIP over Packet Data	Not Supported			
Time based reporting	PASSED Complete 3_pass_of_3			
Distance based reporting - NOT TESTABLE	Not Supported			
Reporting using Long reports	PASSED Complete 1_pass_of_1			
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			
Callout				
Full Callout	Passed Complete 13_pass_of_13			
Individually Addressed Full Callout with request for Terminal Receipt message and with request for User Receipt message	PASSED Complete 2_pass_of_2			
Group Addressed Full Callout without request for Terminal Receipt message and without request for User Receipt message	N/A			
Using current selected group during Full Callout	N/A			
Full Callout with immediate change to Callout Group	Passed Complete 1_pass_of_1			
Full Callout with change to Callout Group on non-rejecting user response	PASSED Complete 1_pass_of_1			
Full Callout with rejecting User Receipt message	PASSED Complete 1_pass_of_1			
Full Callout with timeout for User Receipt message	PASSED Complete 1_pass_of_1			
Callout Incident Information messages	PASSED Complete 2_pass_of_2			
Group Call to Callout Group	PASSED Complete 4_pass_of_4			

End of Full Callout	PASSED Complete 3_pass_of_3			
Simple Callout				
Individually Addressed Callout with request for Terminal Receipt message and with request for User Receipt message	Not Supported			
Individually Addressed Callout with request for Terminal Receipt message and without request for User Receipt message	Not Supported			
Group Addressed Callout without request for Terminal Receipt message and without request for User Receipt message	Not Supported			
Group Addressed Callout without request for Terminal Receipt message and with request for User Receipt message	Not Supported			
Simple Callout with rejecting User Receipt message	Not Supported			
Simple Callout with timeout for User Receipt message	Not Supported			
Interaction with other services and events	PASSED Complete 27_pass_of_27			
Interaction with previous Callout	PASSED Complete 2_pass_of_2			
Interaction with emergency call	PASSED Complete 3_pass_of_3			
Interaction with non-emergency	PASSED Complete			

call	11_pass_of_11			
Interaction with data and status	PASSED Complete 11_pass_of_11			
Interaction with local services	Not Supported			
Manual exit	PASSED Complete 1_pass_of_1			
Callout Test and Callout Availability				
Callout Test	Not Supported			
Callout Availability	Not Supported			
Callout Text and Callout Pre-Coded Status	Incomplete 9_pass_of_10			
Callout Text	PASSED Complete 4_pass_of_4			
Concatenated Callout Text	PASSED Complete 2_pass_of_2			
Callout Pre-Coded Status	Incomplete 3_pass_of_4			
Storage of Callout Information	PASSED Complete 2_pass_of_2			
Viewing Callout information from previous Callout(s)	PASSED Complete 1_pass_of_1			
Deletion of Callout information from previous Callout(s)	PASSED Complete 1_pass_of_1			

Annex A

Annex A

List of Revisions of the Certificate		
Date	**Ver.**	**Modification**
8 October 2014	1	First published version
22 October 2014	2	updating: "A SwMI declaration is changed to reflect the inability to support group addressed Full Callout as per the TIP specification" consequently has changed the verdict on Full Callout from "-" to "Passed" on Certified Features and the number of "Full Callout" tests on "Feature compliance report" Table.
24 March 2016	3	Re-instated the SwMI group addressed Full Callout declaration, to "yes" as the process only allows declaration changes in case of human errors. This case was not a human error, the fault was in the Callout host application simulator. The following updates have been done: "Feature compliance report" table outcomes from "Not Supported" to "N/A" for "Group Addressed Full Callout without request for Terminal Receipt message and without request for User Receipt message" and for "Using current selected group during Full Callout".

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