



TETRA Interoperability Certificate

Airbus, Tetra System Rel6.0, SwMI — Funkwerk, FT4, Terminal

Helsinki, June 2014

Latest Certified SwMI	Rel6.0 SCD2.0	Latest Certified Terminal	V 01.53
SW Release:		SW Release:	
Latest Certified SwMI	M98F (DXTip)	Latest Certified Terminal	FT4 S Ex_1a C 2ig
HW Release:		HW Release:	

ISCTI (Istituto Superiore delle Comunicazioni e delle Tecnologie dell'Informazione) certifies, that the Airbus, Tetra System Rel6.0, SwMI and the Funkwerk, FT4, 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 partially witnessed single test session between Airbus and Funkwerk on June 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.

IOP test engineer

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Date of issue

18 June 2014

v 3





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	-
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	-
Tolerance of unsupported DGNA functions	-





Tetra Association TTR001-04:Auth		
SwMI Initiated (non-mutual) Authentication	Certified	
SwMI Initiated Authentication made Mutual by MS	Certified	
TEI Query	Certified	
Tetra Association TTR001-11:AIE		
Security Class 2 Air Interface Encryption	Partial	
Security Class 3 Air Interface Encryption	-	
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	-	





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
NOT SUNDOTTED	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	Airbus Helsinki June 2014		
SwMI Type	Airbus TETRA System Rel6.0		
SwMI HW Release	M98F (DXTip)		
SwMI SW Release	Rel6.0 SCD2.0		
Terminal Type	FT4		
Terminal HW Release	FT4 S Ex_1a C 2ig		
Terminal SW Release	V 01.53		
TIP Specs and TIP Compliance Test Plans			
Core	TTR001-01 v6.0.0 IOP001-01 v3.0.0 TIC-RT001-01 v259		
SDS	TTR001-02 v2.0.1 IOP001-02 v2.0.0 TIC-RT001-02 v212		





DGNA	TTR001-03 v2.0.0 IOP001-03 v2.0.1 TIC-RT001-03 v221		
Auth	TTR001-04 v3.0.0 IOP001-04 v2.0.0 TIC-RT001-04 v223		
AIE	TTR001-11 v3.0.3 IOP001-11 v3.0.2 TIC-RT001-11 v323		





Feature compliance report

Test Session	Airbus Helsinki		
	June 2014		
	Core		
Registration	PASSED Complete (witnessed 0 passes) 4_pass_of_4		
ITSI attach	PASSED Complete (witnessed 0 passes) 2_pass_of_2		
SwMI initiated location updating	PASSED Complete (witnessed 0 passes) 1_pass_of_1		
LA timer based Periodic location updating	Not Supported		
De-registration	PASSED Complete (witnessed 0 passes) 1_pass_of_1		
Group Management	PASSED Complete (witnessed 6 passes) 13_pass_of_13		
Single group attachment	PASSED Complete (witnessed 2 passes) 5_pass_of_5		
Multiple group attachment	PASSED Complete (witnessed 2 passes) 4_pass_of_4		
MS initiated group detachment	PASSED Complete (witnessed 1 passes) 2_pass_of_2		
SwMI initiated group management	PASSED Complete (witnessed 1 passes) 2_pass_of_2		
Group call	PASSED Complete (witnessed 5 passes) 11_pass_of_11		
Normal group call	PASSED Complete (witnessed 4 passes) 6_pass_of_6		
Late entry	PASSED Complete (witnessed 1 passes) 1_pass_of_1		





Priority Group scanning	PASSED Complete (witnessed 0 passes) 3_pass_of_3		
Call setup modifications	Not Supported		
Resource Queuing based on Call Priority	PASSED Complete (witnessed 1 passes) 1_pass_of_1		
Broadcast Call	Not Supported		
Limited coverage notification	Not Supported		
Individual call	PASSED Complete (witnessed 7 passes) 8_pass_of_8		
Simplex individual call	PASSED Complete (witnessed 4 passes) 4_pass_of_4		
Duplex individual call	PASSED Complete (witnessed 1 passes) 2_pass_of_2		
Call setup modifications	Not Supported		
Resource Queuing based on Call Priority	PASSED Complete (witnessed 2 passes) 2_pass_of_2		
Indication of imminent call disconnection	Not Supported		
Status messages	PASSED Complete (witnessed 3 passes) 4_pass_of_4		
Individual addressed Status transfer	PASSED Complete (witnessed 1 passes) 1_pass_of_1		
Group addressed Status transfer	PASSED Complete (witnessed 2 passes) 3_pass_of_3		
Pre-emptive Priority Call	PASSED Complete (witnessed 5 passes) 6_pass_of_6		
Pre-emption of Resources	PASSED Complete (witnessed 2 passes) 2_pass_of_2		
Pre-emption of Busy Users	PASSED Complete (witnessed 3 passes) 4_pass_of_4		
Emergency Call	PASSED Complete (witnessed 2 passes) 3_pass_of_3		
Pre-emption of Resources	PASSED Complete (witnessed 1 passes) 2_pass_of_2		



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Pre-emption of Busy Users	PASSED Complete (witnessed 1 passes) 1_pass_of_1		
Call setup modifications	Not Supported		
Call disconnection by non-call owner	Not Supported		
Cell Re-selection	PASSED Complete (witnessed 13 passes) 15_pass_of_15		
Undeclared	PASSED Complete (witnessed 1 passes) 1_pass_of_1		
Unannounced	PASSED Complete (witnessed 2 passes) 3_pass_of_3		
Announced - with Call Restoration	PASSED Complete (witnessed 10 passes) 11_pass_of_11		
Announced - without Call Restoration	Not Supported		
Expedited	Not Supported		
PSTN interconnect	PASSED Complete (witnessed 2 passes) 4_pass_of_4		
TETRA Originated Call	PASSED Complete (witnessed 1 passes) 2_pass_of_2		
PSTN Originated Call	PASSED Complete (witnessed 0 passes) 1_pass_of_1		
DTMF over-dial	Not Supported		
Emergency Telephone Calls	PASSED Complete (witnessed 1 passes) 1_pass_of_1		
MS-ISDN Numbering			
MS ISDN - Voice Call	Not Supported		
MS-ISDN Status	Not Supported		
In Call Signalling	PASSED Complete (witnessed 3 passes) 8_pass_of_8		
Slow Signalling on Traffic Channel (SACCH)	PASSED Complete (witnessed 3 passes) 4_pass_of_4		
Fast Signalling on Traffic Channel (FACCH)	PASSED Complete (witnessed 0 passes) 4_pass_of_4		





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Three C-SCCH per cell PASSED Complete (witnessed 1 passes) 2_pass_of_2 PASSED Complete (witnessed 4 passes) 9_pass_of_9 Switch to/from BS Fallback Operation PASSED Complete (witnessed 1 passes) 2_pass_of_2 PASSED Complete (witnessed 1 passes) 2_pass_of_2 PASSED Complete (witnessed 1 passes) 1_pass_of_1 PASSED Complete (witnessed 1 passes) 1_pass_of_1 PASSED Complete (witnessed 2 passes) 6_pass_of_6 Energy Economy Mode Energy Economy Mode Operation Transmit Inhibit TXI Activation & De-Activation without Status message TXI Activation & De-Activation with Status message Receipt of group addressed Not Supported	Two C-SCCH per cell	(witnessed 0 passes)		
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BS Fallback Operation BS Fallback Operation Switch to/from BS Fallback Operation Roaming with BS Fallback Operation Services with BS Fallback Operation Services with BS Fallback Operation Services with BS Fallback Operation FASSED Complete (witnessed 1 passes) 1_pass_of_1 PASSED Complete (witnessed 1 passes) 1_pass_of_1 PASSED Complete (witnessed 2 passes) 6_pass_of_6 Energy Economy Mode Energy Economy Mode Operation Transmit Inhibit TXI Activation & De-Activation without Status message TXI Activation & De-Activation with Status message Receipt of group addressed Not Supported		PASSED Complete		
BS Fallback Operation BS Fallback Operation Switch to/from BS Fallback Operation Roaming with BS Fallback Operation Services with BS Fallback Operation Services with BS Fallback Operation Services with BS Fallback Operation FASSED Complete (witnessed 1 passes) 1_pass_of_1 PASSED Complete (witnessed 1 passes) 1_pass_of_1 PASSED Complete (witnessed 2 passes) 6_pass_of_6 Energy Economy Mode Energy Economy Mode Not Supported Transmit Inhibit TXI Activation & De-Activation without Status message TXI Activation & De-Activation with Status message Receipt of group addressed Not Supported	Three C-SCCH per cell	(witnessed 1 passes)		
BS Fallback Operation PASSED Complete (witnessed 4 passes) 9 pass of 9 PASSED Complete (witnessed 1 passes) 2 pass_of_2 Roaming with BS Fallback Operation PASSED Complete (witnessed 1 passes) 1 pass_of_2 PASSED Complete (witnessed 1 passes) 1 pass_of_1 PASSED Complete (witnessed 2 passes) 6 pass_of_6 Energy Economy Mode Energy Economy Mode Operation Transmit Inhibit TXI Activation & De-Activation without Status message TXI Activation & De-Activation with Status message Receipt of group addressed PASSED Complete (witnessed 2 passes) 6 pass_of_6 PASSED Complete (witnessed 2 passes) 1 pass_of_1 PASSED Complete (witnessed 2 passes) 6 pass_of_6 PASSED Complete (witnessed 2 passes) 1 pass_of_1 PASSED Complete (witnessed 2 passes) 1 pass_of_1 PASSED Complete (witnessed 1 passes) 1 pass_of_1 PASSED Complete (witnessed 2 passes) 6 pass_of_1 PASSED Complete (witnessed 1 passes) 1 pass_of_1 PASSED Complete (witnessed 2 pas	'			
BS Fallback Operation (witnessed 4 passes) 9 pass_of_9 PASSED Complete (witnessed 1 passes) 2 pass_of_2 PASSED Complete (witnessed 1 passes) 1 pass_of_1 PASSED Complete (witnessed 1 passes) 1 pass_of_1 PASSED Complete (witnessed 1 passes) 1 pass_of_1 PASSED Complete (witnessed 2 passes) 6 pass_of_6 Energy Economy Mode Energy Economy Mode Operation Transmit Inhibit TXI Activation & De-Activation without Status message TXI Activation & De-Activation with Status message Receipt of group addressed Not Supported				
Switch to/from BS Fallback Operation Roaming with BS Fallback Operation Roaming with BS Fallback Operation Services with BS Fallback Operation Services with BS Fallback Operation Services with BS Fallback Operation FASSED Complete (witnessed 1 passes) 1_pass_of_1 PASSED Complete (witnessed 2 passes) 6_pass_of_6 Energy Economy Mode Not Supported Transmit Inhibit TXI Activation & De-Activation without Status message TXI Activation & De-Activation with Status message Receipt of group addressed Not Supported	BS Fallback Operation			
Switch to/from BS Fallback Operation Roaming with BS Fallback Operation Roaming with BS Fallback Operation Services with BS Fallback Operation Services with BS Fallback Operation PASSED Complete (witnessed 1 passes) 1_pass_of_1 PASSED Complete (witnessed 2 passes) 6_pass_of_6 Energy Economy Mode Energy Economy Mode Operation Transmit Inhibit TXI Activation & De-Activation without Status message TXI Activation & De-Activation with Status message Receipt of group addressed Not Supported	20 i ambaon operanen			
Operation (witnessed 1 passes) 2_pass_of_2 PASSED Complete (witnessed 1 passes) 1_pass_of_1 Services with BS Fallback Operation PASSED Complete (witnessed 2 passes) 6_pass_of_6 Energy Economy Mode Energy Economy Mode Operation Transmit Inhibit TXI Activation & De-Activation without Status message TXI Activation & De-Activation with Status message Receipt of group addressed (witnessed 1 passes) PASSED Complete (witnessed 2 passes) 6_pass_of_6 PASSED Complete (witnessed 2 passes) 6_pass_of_6 PASSED Complete (witnessed 1 passes) Not Supported Not Supported				
Roaming with BS Fallback Operation 2_pass_of_2 PASSED Complete (witnessed 1 passes) 1_pass_of_1 PASSED Complete (witnessed 2 passes) 6_pass_of_6 Energy Economy Mode Energy Economy Mode Operation Transmit Inhibit TXI Activation & De-Activation without Status message TXI Activation & De-Activation with Status message Receipt of group addressed PASSED Complete (witnessed 2 passes) 6_pass_of_6 Not Supported Not Supported				
Roaming with BS Fallback Operation Services with BS Fallback Operation PASSED Complete (witnessed 1 passes) 1_pass_of_1 PASSED Complete (witnessed 2 passes) 6_pass_of_6 Energy Economy Mode Energy Economy Mode Operation Transmit Inhibit TXI Activation & De-Activation without Status message TXI Activation & De-Activation with Status message Receipt of group addressed PASSED Complete (witnessed 1 passes) 1_pass_of_1 PASSED Complete (witnessed 2 passes) 6_pass_of_6 PASSED Complete (witnessed 2 passes) 1_pass_of_1 PASSED Complete (witnessed) PASSED Com	Operation			
Coperation Cop				
Services with BS Fallback Operation PASSED Complete (witnessed 2 passes) 6_pass_of_6 Energy Economy Mode Energy Economy Mode Operation Transmit Inhibit TXI Activation & De-Activation without Status message TXI Activation & De-Activation with Status message Receipt of group addressed Not Supported Not Supported				
Services with BS Fallback Operation PASSED Complete (witnessed 2 passes) 6_pass_of_6 Energy Economy Mode Operation Transmit Inhibit TXI Activation & De-Activation without Status message TXI Activation & De-Activation with Status message Receipt of group addressed PASSED Complete (witnessed 2 passes) 6_pass_of_6 Not Supported	Operation			
Operation (witnessed 2 passes) 6_pass_of_6 Energy Economy Mode Operation Transmit Inhibit TXI Activation & De-Activation without Status message TXI Activation & De-Activation with Status message Receipt of group addressed (witnessed 2 passes) 6_pass_of_6 Not Supported				
Energy Economy Mode Energy Economy Mode Operation Transmit Inhibit TXI Activation & De-Activation without Status message TXI Activation & De-Activation with Status message Receipt of group addressed Not Supported Not Supported	Services with BS Fallback			
Energy Economy Mode Operation Transmit Inhibit TXI Activation & De-Activation without Status message TXI Activation & De-Activation with Status message Receipt of group addressed Not Supported Not Supported	Operation			
Energy Economy Mode Operation Transmit Inhibit TXI Activation & De-Activation without Status message TXI Activation & De-Activation with Status message Receipt of group addressed Not Supported Not Supported	•	6_pass_or_6		
Operation Transmit Inhibit TXI Activation & De-Activation without Status message TXI Activation & De-Activation with Status message Receipt of group addressed Not Supported Not Supported	Energy Economy Mode			
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Transmit Inhibit TXI Activation & De-Activation without Status message TXI Activation & De-Activation with Status message Receipt of group addressed Not Supported	,	Not Supported		
TXI Activation & De-Activation without Status message TXI Activation & De-Activation with Status message Receipt of group addressed Not Supported	Operation			
without Status message TXI Activation & De-Activation with Status message Receipt of group addressed Not Supported	Transmit Inhibit			
without Status message TXI Activation & De-Activation with Status message Receipt of group addressed Not Supported	TXI Activation & De-Activation	Net Commented		
TXI Activation & De-Activation with Status message Receipt of group addressed Not Supported		Not Supported		
with Status message Receipt of group addressed Not Supported				
Receipt of group addressed Not Supported		Not Supported		
				<u> </u>
service during TXI		Not Supported		
	service during TXI	140t Supported		





Mixed band operation	PASSED Complete (witnessed 1 passes) 1_pass_of_1			
Mixed band operation, inter-cell	PASSED Complete (witnessed 1 passes) 1_pass_of_1			
Mixed band operation, intra-cell	Not Supported			
Mixed band operation, Full	Not Supported			
	Short Data Service (SD	S)		
SDS Type 1, 2 or 3				
SDS Type 1	Not Supported			
SDS Type 2	Not Supported			
SDS Type 3	Not Supported			
SDS-TL	PASSED Complete (witnessed 2 passes) 3_pass_of_3			
Individually Addressed	PASSED Complete (witnessed 1 passes) 1_pass_of_1			
Group Addressed	PASSED Complete (witnessed 1 passes) 2_pass_of_2			
Using MS-ISDN dialling	Not Supported			
Using UCS2 coding scheme	Not Supported			
Using 7-bit coding scheme	Not Supported			
Store and Forward				
Individually Addressed	Not Supported			
Group Addressed	Not Supported			
Dynamic Group Number Assignment (DGNA)				
Support for individually addressed DGNA	PASSED Complete (witnessed 3 passes) 5_pass_of_5			





Support for individually			
addressed DGNA assignment	Not Supported		
without attachment			
Support for individually	PASSED Complete		
addressed DGNA assignment	(witnessed 2 passes)		
with attachment as selected	3_pass_of_3		
group			
Support for individually	PASSED Complete		
addressed DGNA assignment	(witnessed 1 passes)		
with attachment as scanned	2_pass_of_2		
group			
Support for individually			
addressed DGNA assignment	Not Supported		
with rejected attachment			
Support for individually			
addressed assigment for pre-	Not Supported		
programmed group			
Support for group addressed			
DGNA			
Support for group addressed	Not Supported		
DGNA assignment			
Management of 'group	Not Supported		
assignment lifetime'			
Support for group addressed	Not Supported		
DGNA deassignment	• • • • • • • • • • • • • • • • • • • •		
Tolerance of unsupported			
DGNA functions			
MS tolerance of unsupported			
individual addressed DGNA	Not Supported		
signalling			
MS tolerance of unsupported			
group addressed DGNA	Not Supported		
signalling			





Authentication				
SwMI Initiated (non-mutual) Authentication	PASSED Complete (witnessed 1 passes) 3_pass_of_3			
Attach with authentication	PASSED Complete (witnessed 0 passes) 1_pass_of_1			
Roaming with authentication	PASSED Complete (witnessed 1 passes) 1_pass_of_1			
SwMI rejects MS during authentication	PASSED Complete (witnessed 0 passes) 1_pass_of_1			
MS rejects SwMI during authentication	Not Supported			
SwMI Initiated Authentication made Mutual by MS	PASSED Complete (witnessed 1 passes) 2_pass_of_2			
Attach with authentication	PASSED Complete (witnessed 0 passes) 1_pass_of_1			
Roaming with authentication	PASSED Complete (witnessed 1 passes) 1_pass_of_1			
TEI Query	PASSED Complete (witnessed 1 passes) 1_pass_of_1			
TEI Query Operation	PASSED Complete (witnessed 1 passes) 1_pass_of_1			
Air Interface Encryption				
Security Class 2 Air Interface Encryption	Incomplete (witnessed 1 passes) 1_pass_of_2			



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Location Updating and Al Signalling Protection	Incomplete (witnessed 0 passes) 0_pass_of_1		
TM-SCK provisioning during location updating	Not Supported		
Communications between parties using encryption	PASSED Complete (witnessed 1 passes) 1_pass_of_1		
Communications between clear and encrypted parties	Not Supported		
Communications between encrypted parties on a channel designated to operate in clear	Not Supported		
OTAR and Change of TM-SCK	Not Supported		
Change of TM-SCK	Not Supported		
Packet Data with Class 2 Air Interface Encryption	Not Supported		
Security Class 3 Air Interface Encryption	FAILED Incomplete (witnessed 9 passes) 9_pass_of_17		
Location Updating and Al Signalling Protection	FAILED Incomplete (witnessed 4 passes) 4_pass_of_7		
DCK Forwarding at MS request	Incomplete (witnessed 2 passes) 2_pass_of_3		
DCK Forwarding by SwMI (without MS request)	Not Supported		
DCK Retrieval	Not Supported		
CCK provisioning during location updating	FAILED Incomplete (witnessed 2 passes) 2_pass_of_4		





Communications between parties using encryption	Incomplete (witnessed 0 passes) 0_pass_of_2		
Communications between clear and encrypted parties	PASSED Complete (witnessed 3 passes) 3_pass_of_3		
Communications between	Incomplete		
encrypted parties on a channel	(witnessed 1 passes)		
designated to operate in clear	1_pass_of_2		
OTAR of CCK	Incomplete (witnessed 1 passes) 1_pass_of_2		
Change of CCK	Incomplete (witnessed 1 passes) 1_pass_of_3		
Packet Data with Class 3 Air Interface Encryption	Not Supported		
Security Class 3G Air Interface Encryption			
GCK Key Association setting	Not Supported		
Communications between parties using encryption	Not Supported		
Communications between clear and encrypted parties	Not Supported		
OTAR of GCK	Not Supported		
Change of GCK	Not Supported		
Management of CMG and GSKO			
OTAR and change of CMG and GSKO	Not Supported		
Key Status demand			
SCK Key Status demand	Not Supported		



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GCK Key Status demand	Not Supported		
GSKO Key Status demand	Not Supported		
Change of Security Class for Fallback operation	Incomplete (witnessed 0 passes) 0_pass_of_4		
Seamless change to Security Class 2 for BS Fallback operation	Not Supported		
Non-seamless change to Security Class 2 for BS Fallback operation	Incomplete (witnessed 0 passes) 0_pass_of_3		
Provisioning of TM-SCK for fallback to Security Class 2 operation	Not Supported		
Change to Security Class 1 for BS Fallback operation	Incomplete (witnessed 0 passes) 0_pass_of_1		
Change of Security Class (other than for Fallback operation)			
Change between Security Class 3 and Security Class 3G	Not Supported		
Change between Security Class 2 and Security Class 3	Not Supported		
Change from Security Class 3G to Security Class 2	Not Supported		
Key Management for Secure Direct Mode Operation			
OTAR of DM-SCK	Not Supported		
Change of DM-SCK	Not Supported		





Annex A

Annex A

List of Revisions of the Certificate

Date	Ver.	Modification
12 June 2014	1	First published version
13 June 2014	2	updating: - change regarding the right verdicts for a Partially Witnessed Single Session
18 June 2014	3	Updating: Change on the "Change of Security Class for Fallback operation" sub- feature of AIE in Certified Features from "Partial" to "-", (no certified) as there is no test passed

IOP test engineer

Radio Office Manager