TETRA Interoperability Certificate

Damm, TetraFlex, SwMI – Teltronic, HTT-500, Terminal

Sønderborg, February 2013

Latest Certified SwMI SW Release:	Rel. 7.6	**Latest Certified Terminal SW Release:**	v10
Latest Certified SwMI HW Release:	TetraFlex	**Latest Certified Terminal HW Release:**	CCP 00.03

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

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

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

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

This certificate has been issued following a multiple test session between Damm and Teltronic on February 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.

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Date of issue

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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	Certified
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	Certified
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	-
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 TTR001-06:AIM	
Registration	Certified
Group management	Certified
Group call	Certified
Individual call	Certified
Status/SDS message	Certified
Tetra Association TTR001-09:AL	
Ambience Listening	Certified
Interaction with Transmit Inhibit	Certified
Tetra Association TTR001-10:E2EE	
E2EE Voice Call	Certified
Tetra Association TTR001-11:AIE	
Security Class 2 Air Interface Encryption	-
Security Class 3 Air Interface Encryption	Certified

Security Class 3G Air Interface Encryption	-
Change of CMG and GSKO	-
Key Status demand	-
Change of Security Class for Fallback operation	-
Change of Security Class (other than for Fallback operation)	-
Key Management for Secure Direct Mode Operation	-
Tetra Association TTR001-12:SI	
MS initiated Service Interaction	Certified
SwMI initiated Service Interaction	Certified
Call Waiting	-
Tetra Association TTR001-13:ED	
Enable and temporary disable of an MS	Certified
Permanent disable of an MS	Certified
Tetra Association TTR001-14:TKD	
Delivery of Authentication Data	Certified
Delivery of SCK	-
Delivery method	Certified
Tetra Association TTR001-15:CAD	
Call Authorised by Dispatcher - Compliant	Certified
Call Authorised by Dispatcher - Tolerant	-
Tetra Association TTR001-19:LIP	
Location Information Protocol	Certified

Feature Compliance Overview

The first pages of this certificate provide an indication about the main interoperable TETRA features for each TIP specification (as described in the TIC-RT). The main interoperable TETRA features result depend on a set of sub-feature, the outcomes associated to each sub-feature are directly derived from the analysis of the performed test cases.

The results associated to each feature and sub-feature are shown in the "Feature compliance report" table below. The main features are indicated with grey background and the associated sub-features (or second level features) have light blue background.

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

Outcome	Definition
Certified	All required tests have been performed and passed
Partial	Not all the required tests have been performed but none have failed
-	Feature cannot be certified e.g. it is not supported by at least one product, no tests were performed, or some tests were performed but at least one failed

The outcome is derived from the verdict assigned to a sub feature which is the result of an analysis of the test case results listed in the Test Report. The verdict assigned to each sub-feature is derived from one or several test case results or test steps result, the TETRA Interoperability requirement tables (TIC-RTs) indicate the link between sub-features and test cases for the certified set of equipment capabilities (see Test Report).

Verdict	Definition
Passed	All mandated tests or steps of tests linked to this functionality (as per TIC-RT indication) are compliant with the TIP specification relevant to this feature.
Incomplete	Not all Mandated tests (as per TIC-RT indication) have been executed
Failed	At least one of mandated test or steps of tests linked to this functionality failed to match the TIP specification relevant to this feature.

The verdict associated to the feature gives also indication about the method used to test that feature. The allowed testing Methods are listed in the table below, a complete description of the procedures and constraints associated to each of them can be found in the "TPD001-01 TETRA Interoperability Certification Process Description" document.

Testing Method	Description
Complete	All mandated tests associated to the feature have been executed
Spot	Only a selection of the mandatory test cases associated to the feature has been executed during the test session. These tests are a subset of the tests performed on an equivalent software which has been "completely" tested against the same functionality on a different equipment, see manufacturer declaration in the associated Test Report
Regression	Only a selection of the mandatory test cases associated to the feature has been executed during the test session. These tests are a subset of the tests performed on a previous version of the same software which has been "completely" tested in a previous test session against the same functionality, see manufacturer definition in the associated Test Report
Regression on spot	The regression method has been applied on the verdicts based on the spot testing method
Witnessed	The TIP heading lines in the Feature Compliance Report indicate whether each TIP is partially or fully witnessed by the Certification Body. Additionally, for a partially-witnessed TIP, the number of witnessed test cases that passed is shown for each the feature and sub-feature. There may have been some un-witnessed passed tests and they will have been found to be successful based on the log file evaluation.

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

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

ISCTI has made every effort to ensure that every result has been correctly evaluated in accordance

with the relevant TIPs, Test Plans and TIC-RTs. ISCTI has no liability for the test results, or towards the manufacturers.

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

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

The feature results are shown in the tables below.

Information on equipment under test and document references

Test Session Date/Place	**Damm, Sønderborg, February 2013**			
SwMI Type	TetraFlex			
SwMI HW Release	TetraFlex			
SwMI SW Release	Rel. 7.6			
Terminal Type	HTT-500			
Terminal HW Release	CCP 00.03			
Terminal SW Release	v10			
TIP Specs and TIP Compliance Test Plans				
Core	TTR001-01 v6.0.0 IOP001-01 v3.0.0 TIC-RT001-01 v254			

SDS	TTR001-02 v2.1.1 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			
PD	TTR001-05 v3.0.0 IOP001-05 v3.0.5 TIC-RT001-05 v302			
AIM	TTR001-06 v2.0.1 IOP001-06 v1.0.0 TIC-RT001-06 v117			
AL	TTR001-09 v2.0.0 IOP001-09 v1.1.0 TIC-RT001-09 v122			
E2EE	TTR001-10 v2.0.0 IOP001-10 v1.1.4 TIC-RT001-10 v122			
AIE	TTR001-11 v3.0.3 IOP001-11 v3.0.2 TIC-RT001-11 v321			
SI	TTR001-12 v1.0.0 IOP001-12 v1.0.0 TIC-RT001-12 v127			
ED	TTR001-13 v2.0.0 IOP001-13 v1.0.0 TIC-RT001-13 v146			
TKD	TTR001-14 v1.0.3 IOP001-14 v1.1.4 TIC-RT001-14 v116			
CAD	TTR001-15 v1.0.0 IOP001-15 v1.0.0 TIC-RT001-15 v111			

LIP	TTR001-19 IOP001-19 TIC-RT001-19	v1.0.0 v1.0.0 v105			

Feature compliance report

Test Session	Damm Sønderborg February 2013			
Core				
Registration	PASSED Complete 4_pass_of_4			
ITSI attach	PASSED Complete 1_pass_of_1			
SwMI initiated location updating	PASSED Complete 2_pass_of_2			
LA timer based Periodic location updating	Not Supported			
De-registration	PASSED Complete 1_pass_of_1			
Group Management	PASSED Complete 12_pass_of_12			
Single group attachment	PASSED Complete 4_pass_of_4			
Multiple group attachment	PASSED Complete 6_pass_of_6			
MS initiated group detachment	PASSED Complete 2_pass_of_2			
SwMI initiated group management	PASSED Complete 2_pass_of_2			
Group call	PASSED Complete 11_pass_of_11			
Normal group call	PASSED Complete 4_pass_of_4			
Late entry	PASSED Complete 1_pass_of_1			
Priority Group scanning	PASSED Complete 2_pass_of_2			
Call setup modifications	PASSED Complete 1_pass_of_1			
Resource Queuing based on Call Priority	PASSED Complete 2_pass_of_2			

Broadcast Call	PASSED Complete 1_pass_of_1			
Limited coverage notification	Not Supported			
Individual call	PASSED Complete 12_pass_of_12			
Simplex individual call	PASSED Complete 4_pass_of_4			
Duplex individual call	PASSED Complete 2_pass_of_2			
Call setup modifications	PASSED Complete 2_pass_of_2			
Resource Queuing based on Call Priority	PASSED Complete 4_pass_of_4			
Indication of imminent call disconnection	Not Supported			
Status messages	PASSED Complete 4_pass_of_4			
Individual addressed Status transfer	PASSED Complete 1_pass_of_1			
Group addressed Status transfer	PASSED Complete 3_pass_of_3			
Pre-emptive Priority Call	PASSED Complete 6_pass_of_6			
Pre-emption of Resources	PASSED Complete 2_pass_of_2			
Pre-emption of Busy Users	PASSED Complete 4_pass_of_4			
Emergency Call	PASSED Complete 4_pass_of_4			
Pre-emption of Resources	PASSED Complete 2_pass_of_2			
Pre-emption of Busy Users	PASSED Complete 1_pass_of_1			
Call setup modifications	PASSED Complete 1_pass_of_1			
Call disconnection by non-call owner	Not Supported			
Cell Re-selection	PASSED Complete 15_pass_of_15			
Undeclared	PASSED Complete 1_pass_of_1			
Unannounced	PASSED Complete 3_pass_of_3			
Announced - with Call Restoration	PASSED Complete 11_pass_of_11			
Announced - without Call Restoration	Not Supported			

Expedited	Not Supported	-		
PSTN interconnect	PASSED Complete 6_pass_of_6			
TETRA Originated Call	PASSED Complete 2_pass_of_2			
PSTN Originated Call	PASSED Complete 1_pass_of_1			
DTMF over-dial	PASSED Complete 1_pass_of_1			
Emergency Telephone Calls	PASSED Complete 2_pass_of_2			
MS-ISDN Numbering	PASSED Complete 4_pass_of_4			
MS ISDN - Voice Call	PASSED Complete 2_pass_of_2			
MS-ISDN Status	PASSED Complete 2_pass_of_2			
In Call Signalling	PASSED Complete 8_pass_of_8			
Slow Signalling on Traffic Channel (SACCH)	PASSED Complete 4_pass_of_4			
Fast Signalling on Traffic Channel (FACCH)	PASSED Complete 4_pass_of_4			
Subscriber Class Procedures	PASSED Complete 5_pass_of_5			
Cell Selection based on Subscriber Class	PASSED Complete 4_pass_of_4			
Subscriber Class Delivery during Location Update	PASSED Complete 1_pass_of_1			
Use of Preferred Subscriber Classes	Not Supported			
Common Secondary Control Channels	PASSED Complete 7_pass_of_7			
One C-SCCH per cell	PASSED Complete 4_pass_of_4			
Two C-SCCH per cell	PASSED Complete 3_pass_of_3			
Three C-SCCH per cell	PASSED Complete 2_pass_of_2			
BS Fallback Operation	PASSED Complete 12_pass_of_12			
Switch to/from BS Fallback Operation	PASSED Complete 2_pass_of_2			
Roaming with BS Fallback Operation	PASSED Complete 2_pass_of_2			
Services with BS Fallback Operation	PASSED Complete 8_pass_of_8			

Energy Economy Mode				
Energy Economy Mode Operation	Not Supported			
Transmit Inhibit	PASSED Complete 6_pass_of_6			
TXI Activation & De-Activation without Status message	PASSED Complete 2_pass_of_2			
TXI Activation & De-Activation with Status message	PASSED Complete 3_pass_of_3			
Receipt of group addressed service during TXI	PASSED Complete 1_pass_of_1			
Mixed band operation	PASSED Complete 4_pass_of_4			
Mixed band operation, inter-cell	PASSED Complete 4_pass_of_4			
Mixed band operation, intra-cell	Not Supported			
Mixed band operation, Full	Not Supported			
Short Data Service (SDS)				
SDS Type 1, 2 or 3	PASSED Complete 3_pass_of_3			
SDS Type 1	PASSED Complete 1_pass_of_1			
SDS Type 2	PASSED Complete 1_pass_of_1			
SDS Type 3	PASSED Complete 1_pass_of_1			
SDS-TL	PASSED Complete 9_pass_of_9			
Individually Addressed	PASSED Complete 1_pass_of_1			
Group Addressed	PASSED Complete 2_pass_of_2			
Using MS-ISDN dialling	PASSED Complete 4_pass_of_4			
Using UCS2 coding scheme	PASSED Complete 2_pass_of_2			
Using 7-bit coding scheme	PASSED Complete 2_pass_of_2			
Store and Forward				
Individually Addressed	Not Supported			
Group Addressed	Not Supported			

Dynamic Group Number Assignment (DGNA)				
Support for individually addressed DGNA	PASSED Complete 7_pass_of_7			
Support for individually addressed DGNA assignment without attachment	PASSED Complete 2_pass_of_2			
Support for individually addressed DGNA assignment with attachment as selected group	PASSED Complete 2_pass_of_2			
Support for individually addressed DGNA assignment with attachment as scanned group	PASSED Complete 2_pass_of_2			
Support for individually addressed DGNA assignment with rejected attachment	PASSED Complete 1_pass_of_1			
Support for individually addressed assigment for pre-programmed group	Not Supported			
Support for group addressed DGNA				
Support for group addressed DGNA assignment	Not Supported			
Management of 'group assignment lifetime'	Not Supported			
Support for group addressed DGNA deassignment	Not Supported			
Tolerance of unsupported DGNA functions				
MS tolerance of unsupported individual addressed DGNA signalling	Not Supported			

MS tolerance of unsupported group addressed DGNA signalling	Not Supported			
Authentication				
SwMI Initiated (non-mutual) Authentication	PASSED Complete 2_pass_of_2			
Attach with authentication	PASSED Complete 1_pass_of_1			
Roaming with authentication	Not Supported			
SwMI rejects MS during authentication	PASSED Complete 1_pass_of_1			
MS rejects SwMI during authentication	Not Supported			
SwMI Initiated Authentication made Mutual by MS	PASSED Complete 1_pass_of_1			
Attach with authentication	PASSED Complete 1_pass_of_1			
Roaming with authentication	Not Supported			
TEI Query				
TEI Query Operation	Not Supported			
TETRA Packet Data				
Context Management	PASSED Complete 7_pass_of_7			
Context Activation	PASSED Complete 7_pass_of_7			
User authentication	Not Supported			
Single Slot Packet Data	PASSED Complete 10_pass_of_10			
Data Transfer	PASSED Complete 7_pass_of_7			
Cell re-selection	PASSED Complete 3_pass_of_3			
Multi Slot Packet Data	PASSED Complete 2_pass_of_2			

Data Transfer	PASSED Complete 2_pass_of_2			
TEDS				
TEDS with Context Activation	Not Supported			
TEDS Data Transmission	Not Supported			
TEDS Cell Reselection	Not Supported			
Mixed band operation	PASSED Complete 2_pass_of_2			
Mixed band operation, inter-cell	PASSED Complete 2_pass_of_2			
Mixed band operation, intra-cell	Not Supported			
Mixed band operation, Full	Not Supported			
Air Interface Migration				
Registration	PASSED Complete 3_pass_of_3			
Migrating	PASSED Complete 3_pass_of_3			
Group management	PASSED Complete 1_pass_of_1			
Local group attachment on Foreign SwMI	PASSED Complete 1_pass_of_1			
Foreign group attachment	Not Supported			
Group call	PASSED Complete 1_pass_of_1			
Group call to local group on foreign SwMI	PASSED Complete 1_pass_of_1			
Group call to foreign group	Not Supported			
Individual call	PASSED Complete 3_pass_of_3			
SSI/TSI addressed	PASSED Complete 1_pass_of_1			
FSSN addressed	Not Supported			

MS-ISDN addressed	PASSED Complete 2_pass_of_2			
Status/SDS message	PASSED Complete 4_pass_of_4			
Individually addressed SDS	PASSED Complete 1_pass_of_1			
Group addressed SDS	PASSED Complete 1_pass_of_1			
Individually addressed Status	PASSED Complete 1_pass_of_1			
Group addressed Status	PASSED Complete 1_pass_of_1			
TETRA Ambience Listening (SS-AL)				
Ambience Listening	PASSED Complete 5_pass_of_5			
SS-AL Call Setup	PASSED Complete 2_pass_of_2			
MS initiated SS-AL disconnection	PASSED Complete 3_pass_of_3			
No Indication to affected user	PASSED Complete 5_pass_of_5			
Interaction with Transmit Inhibit	PASSED Complete 1_pass_of_1			
AL can override TxI	Not Supported			
AL cannot override TxI	PASSED Complete 1_pass_of_1			
End to End Encryption				
E2EE Voice Call	PASSED Complete 6_pass_of_6			
Individual (P2P) call	PASSED Complete 4_pass_of_4			
Group (P2MP) call	PASSED Complete 2_pass_of_2			
Clear Voice Override (CVO): Acceptance	Not Supported			
Clear Voice Override (CVO): User Initiated	Not Supported			

Clear Voice Override (CVO): Automatic	Not Supported			
Air Interface Encryption				
Security Class 2 Air Interface Encryption				
Location Updating and AI Signalling Protection	Not Supported			
TM-SCK provisioning during location updating	Not Supported			
Communications between parties using encryption	Not Supported			
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			
Packet Data with Class 2 Air Interface Encryption	Not Supported			
Security Class 3 Air Interface Encryption	PASSED Complete 18_pass_of_18			
Location Updating and AI Signalling Protection	PASSED Complete 6_pass_of_6			
DCK Forwarding at MS request	Not Supported			
DCK Forwarding by SwMI (without MS request)	Not Supported			
DCK Retrieval	PASSED Complete 3_pass_of_3			
CCK provisioning during location updating	PASSED Complete 3_pass_of_3			
Communications between parties using encryption	PASSED Complete 2_pass_of_2			
Communications between clear and encrypted parties	PASSED Complete 3_pass_of_3			

Communications between encrypted parties on a channel designated to operate in clear	PASSED Complete 2_pass_of_2			
OTAR and Change of CCK	PASSED Complete 3_pass_of_3			
Packet Data with Class 3 Air Interface Encryption	PASSED Complete 2_pass_of_2			
Security Class 3G Air Interface Encryption				
GCK Key Association setting	Not Supported			
Communications between parties using encryption	Not Supported			
Communications between clear and encrypted parties	Not Supported			
OTAR and Change of GCK	Not Supported			
Change of CMG and GSKO				
OTAR and change of CMG and GSKO	Not Supported			
Key Status demand				
SCK Key Status demand	Not Supported			
GCK Key Status demand	Not Supported			
GSKO Key Status demand	Not Supported			
Change of Security Class for Fallback operation				
Seamless change to Security Class 2 for BS Fallback operation	Not Supported			
Non-seamless change to Security Class 2 for BS Fallback operation	Not Supported			

Provisioning of TM-SCK for fallback to Security Class 2 operation	Not Supported			
Change to Security Class 1 for BS Fallback operation	Not Supported			
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 and change of DM-SCK	Not Supported			
Service Interaction				
MS initiated Service Interaction	PASSED Complete 5_pass_of_5			
MS initiated Circuit Mode Call during another Circuit Mode Call	PASSED Complete 3_pass_of_3			
MS initiated Circuit Mode Call during Packet Mode Transfer	PASSED Complete 2_pass_of_2			
MS initiated Packet Mode Transfer during Circuit Mode Call	Not Supported			
SwMI initiated Service Interaction	PASSED Complete 8_pass_of_8			
SwMI initiated Circuit Mode Call during another Circuit Mode Call	PASSED Complete 6_pass_of_6			
SwMI initiated Circuit Mode Call during Packet Mode Transfer	PASSED Complete 2_pass_of_2			

SwMI initiated Packet Mode Transfer during Circuit Mode Call	Not Supported			
Call Waiting				
Call Waiting in Individual Call	Not Supported			
Call Waiting in Group Call	Not Supported			
Enable Disable				
Enable and temporary disable of an MS	PASSED Complete 18_pass_of_18			
Enable and temporary disable of an MS without authentication	PASSED Complete 6_pass_of_6			
Enable and temporary disable of an MS with authentication	PASSED Complete 6_pass_of_6			
Registration of a temporary disabled MS	PASSED Complete 2_pass_of_2			
Rejection of applicable invalid enable/disable requests	Not Supported			
Removable SIMs do not affect the subscriber or equipment that has been enabled/disabled	Not Supported			
Disabling of an MS during a call or while on the PDCH	PASSED Complete 4_pass_of_4			
Permanent disable of an MS	PASSED Complete 6_pass_of_6			
Permanent disable of an MS with authentication	PASSED Complete 5_pass_of_5			
Permanently Disabled MS cannot send air interface signalling	PASSED Complete 1_pass_of_1			
Key Delivery				
Delivery of Authentication Data	PASSED Complete 1_pass_of_1			
Authentication Key Delivery	PASSED Complete 1_pass_of_1			

ITSI Delivery	Not Supported			
Delivery of SCK				
SCK Delivery to SCK delivery	Not Supported			
SCK Delivery to SwMI	Not Supported			
SCK Delivery to SCK loading	Not Supported			
Delivery method	PASSED Complete 1_pass_of_1			
Plain text on physical media	PASSED Complete 1_pass_of_1			
Encrypted text on physical media	Not Supported			
Electronic transfer	Not Supported			
CAD				
Call Authorised by Dispatcher - Compliant	PASSED Complete 6_pass_of_6			
No voice call with dispatcher	PASSED Complete 6_pass_of_6			
Voice call with dispatcher	Not Supported			
Call Authorised by Dispatcher - Tolerant				
No voice call with dispatcher	Not Supported			
Individual voice call with dispatcher	Not Supported			
Group voice call with dispatcher	Not Supported			
LIP				
Location Information Protocol	PASSED Complete 5_pass_of_5			
LIP over SDS	PASSED Complete 3_pass_of_3			
LIP over Packet Data	Not Supported			
Time based reporting	PASSED Complete 2_pass_of_2			

Distance based reporting - NOT TESTABLE	Not Supported			
Reporting using Long reports	Not Supported			
Reporting Enable & Disable	Not Supported			
Temporary reporting control	Not Supported			
Trigger modification	Not Supported			
Immediate Location Reporting	PASSED Complete 1_pass_of_1			
Reporting Lifetimes	Not Supported			
Error Reporting	PASSED Complete 1_pass_of_1			