

# TETRA Interoperability Certificate

## Motorola Solutions, Dimetra IP R9.0, SwMI – Sepura, SC20, Terminal

Kraków, September 2017

Latest Certified SwMI SW Release:	R9.0	Latest Certified Terminal SW Release:	1746 019 08522
Latest Certified SwMI HW Release:	Dimetra IP R9.0	Latest Certified Terminal HW Release:	TP01STW

ISCTI (Istituto Superiore delle Comunicazioni e delle Tecnologie dell'Informazione) certifies, that the Motorola Solutions, Dimetra IP R9.0, SwMI and the Sepura, SC20, 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 Motorola Solutions and Sepura on September 2017. 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**



Franco Pangallo

**Head of the Procedure**



Ivano Luciani

**Radio Office Manager**



Giuseppe Pierri

ISCTI - V.le America 201, 00144 Rome, Italy  
Ph.: +39 06 5444 2135, Fax: +39 06 5410904  
e-mail: [tetra\\_ctc.iscom@mise.gov.it](mailto:tetra_ctc.iscom@mise.gov.it),  
Web: [www.mise.gov.it](http://www.mise.gov.it)

**Date of issue:**  
**28 February 2018**

**v1**

## Certified features

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	Certified
Mixed band operation	Certified
TTR001-02:SDS	
SDS Type 1, 2 or 3	-
SDS-TL	Certified
Store and Forward	Certified
Multipart SDS	-
TTR001-03:DGNA	
Support for individually addressed DGNA	Certified

Support for group addressed DGNA	Certified
Tolerance of unsupported DGNA functions	-
<b>TTR001-04:Auth</b>	
SwMI Initiated (non-mutual) Authentication	Certified
SwMI Initiated Authentication made Mutual by MS	Certified
TEI Query	-
<b>TTR001-05:PD</b>	
Context Management	Certified
Single Slot Packet Data	Certified
Multi Slot Packet Data	Certified
TEDS	-
Mixed band operation	Certified
<b>TTR001-06:AIM</b>	
Registration	Certified
Group management	Certified
Group call	Certified
Individual call	Certified
Status/SDS message	Certified
Security	Certified
<b>TTR001-09:AL</b>	
Ambience Listening	Certified
Interaction with Transmit Inhibit	Certified
<b>TTR001-10:E2EE</b>	
E2EE Voice Call	Certified
<b>TTR001-11:AIE</b>	
Security Class 2 Air Interface Encryption	Certified
Security Class 3 Air Interface Encryption	Certified
Security Class 3G Air Interface Encryption	Certified
Management of CMG and GSKO	Certified

<b>Key Status demand</b>	Certified
<b>Change of Security Class for Fallback operation</b>	Certified
<b>Change of Security Class (other than for Fallback operation)</b>	Certified
<b>Key Management for Secure Direct Mode Operation</b>	Certified
<b>TTR001-12:SI</b>	
<b>MS initiated Service Interaction</b>	Certified
<b>SwMI initiated Service Interaction</b>	Certified
<b>Call Waiting</b>	-
<b>TTR001-13:ED</b>	
<b>Enable and temporary disable of an MS</b>	Certified
<b>Permanent disable of an MS</b>	Certified
<b>TTR001-14:TKD</b>	
<b>Delivery of Authentication Data</b>	Certified
<b>Delivery of SCK</b>	Certified
<b>Delivery method</b>	Certified
<b>TTR001-17:RUA</b>	
<b>Radio User Assignment</b>	-
<b>TTR001-19:LIP</b>	
<b>Location Information Protocol</b>	Certified
<b>TTR001-20:CF</b>	
<b>Call Forwarding Unconditional</b>	Certified
<b>Call Forwarding Conditional</b>	Certified
<b>Call Forwarding Information Displayed</b>	-
<b>Management of Call Forwarding</b>	-
<b>TTR001-21:Callout</b>	
<b>Full Callout</b>	Certified
<b>Simple Callout</b>	Certified
<b>Interaction with other services and events</b>	Certified
<b>Callout Test and Callout Availability</b>	Certified



<b>Callout Text and Callout Pre-Coded Status</b>	Certified
<b>Storage of Callout Information</b>	Certified