TETRA IOP CERTIFICATE

DEKRA
Digital & Product Solutions
Innovating Safety & Security

DMO TETRA Interoperability Certificate

Direct Mode Operation Gateway

Motorola Solutions, MXM600, Gateway

Test Session #1005, hosted by Airbus Defence and Space in Helsinki, Finland, Oct 21 - Nov 7 2025

Latest Certified MXM600 SW Release:	MR2025.2
Latest Certified MXM600 HW Release:	MTC953DE

DEKRA certifies, that the Motorola Solutions MXM600 Terminal have been subject to interoperability Gateway testing for the "Certified" features listed on the second page of this certificate in accordance with the TETRA Interoperability Profiles, TIP compliance Test Plan and the 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 single test session Airbus Defence & Space and Motorola Solutions in Oct 21 - Nov 7 2025. 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.

Authorized CB signatory:

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Certified features

Session #1005, Helsinki 2026 DMO GW Motorola Solutions MXM600	Airbus TETRA System TSR9.0	Motorola Solutions MXM600	Motorola Solutions MXP600
Hardware	**Taira310 / TB4**	**MTC953DE**	**PTW952HEB**
Software	**TSR9.0 CD1.0 (W9 1.12-10) / TB4 25 CD2**	**MR2025.2**	**MR2025.2**
Feature TTR002-02 Gateway			
Registration	-	-	-
Presence Signal	-	-	-
Usage Restriction Types	-	-	-
Individual Call	-	-	-
Individual Call Release	-	-	-
Group Call	Partial	Partial	Partial
Status	-	-	-
SDS-TL	-	-	-
Pre-emption	Partial	Partial	Partial
Feature TTR002-05 AIE Gateway			
DMO AIE Encryption	Certified	Certified	Certified
DMO AIE Encryption using a KSG from TEA Set A	Certified	Certified	Certified
DMO AIE Encryption using a KSG from TEA Set B	-	-	-

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' results depend on a set of sub-features, the verdicts 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 blue background and the associated sub-features (or second level features) have a white background.
The outcome assigned to a 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 or sub-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 or sub-feature

The verdict associated to the feature or sub-feature gives also indication about the method used to test that feature or sub-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 or sub-feature have been executed
Spot	Only a selection of the mandatory test cases associated to the feature or sub-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 or sub-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 (see the previous item) has been applied at this session on the verdicts from the referenced (previous) session where the spot testing method (see above) had been applied.
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

DEKRA has made every effort to ensure that every result has been correctly evaluated in accordance with the relevant TIPs, Test Plans and TIC-RTs. DEKRA has no liability for the test results, or towards the manufacturers.
The tables on the following page list HW and SW releases of SwMI and Terminal under test and the used TIP specifications, Test Plans and TIC-RTs.
This Certificate and Certificates from previous test sessions are available on the TCCA web site
https://tcca.info/interoperability/interoperability-certificates-and-test-reports

The feature results are shown in the tables below.

Information on equipment under test

Test session #1005 Helsinki, October 2025	Airbus Defence and Space Helsinki, October 2025
SwMI Type	Multi-Site
SwMI HW Release	Taira310 / TB4
SwMI SW Release	TSR9.0 CD1.0 (W9 1.12-10) / TB4 25 CD2
GW Manufacturer	Motorola Solutions
GW Model	MXM600
GW HW Release	MTC953DE
GW SW Release	MR2025.2
DM MS 1 Manufacturer	Motorola Solutions
DM MS 1 Model	MXM600
DM MS 1 HW Release	MTC953DE
DM MS 1 SW Release	MR2025.2
DM MS 2 Manufacturer	Motorola Solutions
DM MS 2 Model	MXP600
DM MS 2 HW Release	PTW952HEB
DM MS 2 SW Release	MR2025.2

Document references

DGW	TTR002-02 v1.2.0 IOP002-02 v1.4.0 TIC-RT002-02 v124
DAIE GW	TTR002-05 v2.0.0 IOP002-05 v2.0.0 TIC-RT002-05 v202

MXM600 Test Session Helsinki, October 2025 Motorola Solutions MXM600	Airbus TETRA System TSR9.0	Motorola Solutions MXM600	Motorola Solutions MXP600
Feature TTR002-02 Gateway - Fully Witnessed Testing			
Registration	Incomplete 0_pass_of_3	Incomplete 0_pass_of_3	Incomplete 0_pass_of_3
Registration	Incomplete 0_pass_of_3	Incomplete 0_pass_of_3	Incomplete 0_pass_of_3
Presence Signal	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1
Presence Signal	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1
Usage Restriction Types	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Single Address	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1
Two Addresses	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1
Three addresses	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1
single MNI	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1
Complying with URT Validity Time	Not Supported	Not Supported	Not Supported
Individual Call	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7
DMO to TMO indiividual call	Incomplete 0_pass_of_3	Incomplete 0_pass_of_3	Incomplete 0_pass_of_3
TMO to DMO indiividual call	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4	Incomplete 0_pass_of_4
Individual Call Release	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Individual call release with DM-GATE as DMO slave	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1
Individual call release with DM-GATE as DMO master	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1
Group Call	Incomplete 2_pass_of_16	Incomplete 2_pass_of_16	Incomplete 2_pass_of_16
DMO to TMO group call	Incomplete 1_pass_of_6	Incomplete 1_pass_of_6	Incomplete 1_pass_of_6

TMO to DMO group call	Incomplete 0_pass_of_3	Incomplete 0_pass_of_3	Incomplete 0_pass_of_3
Call Maintenance (including Changeover)	Incomplete 1_pass_of_7	Incomplete 1_pass_of_7	Incomplete 1_pass_of_7
Status	Incomplete 0_pass_of_10	Incomplete 0_pass_of_10	Incomplete 0_pass_of_10
Group addressed Status	Incomplete 0_pass_of_8	Incomplete 0_pass_of_8	Incomplete 0_pass_of_8
Individually addressed Status	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
SDS-TL	Incomplete 0_pass_of_10	Incomplete 0_pass_of_10	Incomplete 0_pass_of_10
Group Addressed intra-MNI SDS-TL, unacknowledged, no reports	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7	Incomplete 0_pass_of_7
Open TSI Addressed SDS-TL, unacknowledged, no reports	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1
Individually Addressed intra-MNI SDS-TL, unacknowledged	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1
Individually Addressed inter-MNI SDS-TL, unacknowledged	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1	Incomplete 0_pass_of_1
Multipart SDS-TL	Not Supported	Not Supported	Not Supported
Pre-emption	Incomplete 1_pass_of_6	Incomplete 1_pass_of_6	Incomplete 1_pass_of_6
Pre-emption of DMO terminal	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2	Incomplete 0_pass_of_2
Pre-emption of Gateway	Incomplete 1_pass_of_4	Incomplete 1_pass_of_4	Incomplete 1_pass_of_4

MXM600 Test Session Helsinki, October 2025 Motorola Solutions MXM600	Airbus TETRA System TSR9.0	Motorola Solutions, MXM600	Motorola Solutions, MXP600
Feature TTR002-05 AIE Gateway - Fully Witnessed Testing			
DMO AIE Encryption	PASSED Complete 11_pass_of_11	PASSED Complete 11_pass_of_11	PASSED Complete 11_pass_of_11
Encrypted Group Calls	PASSED Complete 2_pass_of_2	PASSED Complete 2_pass_of_2	PASSED Complete 2_pass_of_2
Encrypted Individual Calls	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1
Encrypted Status messages	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1
Pre-emption of encrypted activity	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1	PASSED Complete 1_pass_of_1
Handling mismatched keys	PASSED Complete 4_pass_of_4	PASSED Complete 4_pass_of_4	PASSED Complete 4_pass_of_4
Encrypted SDS-TL messages	PASSED Complete 2_pass_of_2	PASSED Complete 2_pass_of_2	PASSED Complete 2_pass_of_2
DMO AIE Encryption using a KSG from TEA Set A	PASSED Complete 11_pass_of_11	PASSED Complete 11_pass_of_11	PASSED Complete 11_pass_of_11
Security Class 2C Air Interface Encryption	PASSED Complete 11_pass_of_11	PASSED Complete 11_pass_of_11	PASSED Complete 11_pass_of_11
DMO AIE Encryption using a KSG from TEA Set B			
Security Class 2C Air Interface Encryption	Not Supported	Not Supported	Not Supported

Document History

Date	Version	Comment
13-February-2026	0	First version