TETRA IOP
CERTIFICATE

DEKRA
Digital & Product Solutions
Innovating Safety & Security

TETRA Interoperability Certificate

Trunked Mode Operation

Airbus Defence & Space, Airbus TETRA System Rel7.0 – SwMI
Motorola Solutions, MXM600 – Terminal

Test Session #1002, hosted by Motorola on BDBOS/Airbus SwMI in Berlin, GER, June 2025

Latest Certified SwMI SW Release:	Rel 7.0	**Latest Certified MS SW Release:**	MR2025.1
Latest Certified SwMI HW Release:	M98F (DXTip)	**Latest Certified MS HW Release:**	MTC953DE

DEKRA certifies, that the Airbus Defence & Space Airbus TETRA System Rel7.0 SwMI and the Motorola Solutions MXM600 Terminal have been subject to interoperability 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 summarises the main functionalities of every profile according to the TETRA interoperability requirement tables.

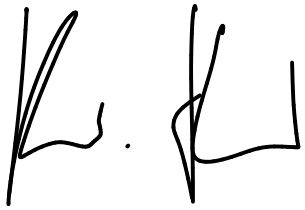
A feature is "Certified" when it has been successfully tested during the last test session with one of the testing method described in the TETRA process document part 1 (TPD001-01).

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

This certificate has been issued following a single-test session, fully witnessed, between Airbus Defence & Space and Motorola Solutions in Berlin during June 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:



Head of DEKRA TETRA Certification Body

Date of Issue:
December 18 - 2025
version: v0

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Certified features

Tetra Association TTR001-05: PD	
Context Management	-
Single Slot Packet Data	-
Multi Slot Packet Data	-
TEDS	-
Mixed band operation	-
Tetra Association TTR001-07: FSSN	
Fleet Specific Short Numbering	Certified
Tetra Association TTR001-16: A2G	
Air to Ground	Certified
Tetra Association TTR001-21: CallOut	
Full Calllout	-
Simple Callout	Certified
Interaction with other services and events	Certified
Callout Test and Callout Availability	Certified
Callout Text and Callout Pre-Coded Status	Certified
Storage of Callout Information	Certified
Graceful Service Degradation Mode (GSDM)	-

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

SwMI Manufacturer	Airbus Defence & Space
SwMI Model	Airbus TETRA System Rel7.0
SwMI HW Release	M98F (DXTip)
SwMI SW Release	Rel 7.0
MS Manufacturer	Motorola Solutions
MS Model	MXM600
MS HW Release	MTC953DE
MS SW Release	MR2025.1

Document references

PD	TTR001-05 v4.1.0 IOP001-05 v4.1.0 TIC-RT001-05 v409
FSSN	TTR001-07 v1.1.0 IOP001-07 v2.0.0 TIC-RT001-07 v128
A2G	TTR001-16 v2.1.0 IOP001-16 v1.0.0 TIC-RT001-16 v117
CallOut	TTR001-21 v2.1.1 IOP001-21 v2.3.0 TIC-RT001-21 v119

Feature compliance report

PD - Fully Witnessed Testing	
Context Management	Incomplete 0_pass_of_9
Context Activation	Incomplete 0_pass_of_9
User authentication	Not Supported
Single Slot Packet Data	Incomplete 0_pass_of_10
Data Transfer	Incomplete 0_pass_of_7
Cell re-selection	Incomplete 0_pass_of_3
Packet Data Channel sharing	Not Supported
Multi Slot Packet Data	
Data Transfer	Not Supported
TEDS	
TEDS with Context Activation	Not Supported
TEDS Data Transmission, using LLC Optimisation	Not Supported
TEDS Cell Reselection, using LLC Optimisation	Not Supported
Mixed band operation	
Mixed band operation, inter-cell	Not Supported
Mixed band operation, intra-cell	Not Supported
Mixed band operation, Full	Not Supported

FSSN - Fully Witnessed Testing	
Fleet Specific Short Numbering	PASSED Complete 12_pass_of_12
FSSN Addressed Individual Call	PASSED Complete 2_pass_of_2
FSSN as CPI/TPI in Group Call	PASSED Complete 2_pass_of_2
FSSN Addressed Status Messages	PASSED Complete 4_pass_of_4
FSSN Addressed SDS Text Messages	PASSED Complete 4_pass_of_4

A2G - Fully Witnessed Testing	
Air to Ground	PASSED Complete 8_pass_of_8
Distance reporting	PASSED Complete 4_pass_of_4
Cell re-selection	PASSED Complete 4_pass_of_4

Callout - Fully Witnessed Testing	
Full CallOut	
Individually Addressed Full Callout with request for Terminal Receipt message and with request for User Receipt message	Not Supported
Group Addressed Full Callout without request for Terminal Receipt message and without request for User Receipt message	Not Supported
Using current selected group during Full Callout	Not Supported
Full Callout with immediate change to Callout Group	Not Supported

Full Callout with change to Callout Group on non-rejecting user response	Not Supported
Full Callout with rejecting User Receipt message	Not Supported
Full Callout with timeout for User Receipt message	Not Supported
Callout Incident Information messages	Not Supported
Group Call to Callout Group	Not Supported
End of Full Callout	Not Supported
Simple Callout	PASSED Complete 6_pass_of_6
Individually Addressed Callout with request for Terminal Receipt message and with request for User Receipt message	PASSED Complete 1_pass_of_1
Individually Addressed Callout with request for Terminal Receipt message and without request for User Receipt message	PASSED Complete 1_pass_of_1
Group Addressed Callout without request for Terminal Receipt message and without request for User Receipt message	PASSED Complete 1_pass_of_1
Group Addressed Callout without request for Terminal Receipt message and with request for User Receipt message	PASSED Complete 1_pass_of_1
Simple Callout with rejecting User Receipt message	PASSED Complete 1_pass_of_1
Simple Callout with timeout for User Receipt message	PASSED Complete 1_pass_of_1
Interaction with other services and events	PASSED Complete 29_pass_of_29
Interaction with previous Callout	PASSED Complete 1_pass_of_1
Interaction with emergency call	PASSED Complete 3_pass_of_3
Interaction with non-emergency call	PASSED Complete 11_pass_of_11
Interaction with data and status	PASSED Complete 13_pass_of_13
Interaction with local services	Not Supported
Manual exit	PASSED Complete 1_pass_of_1
Callout Test and Callout Availability	PASSED Complete 4_pass_of_4
Callout Test	PASSED Complete 2_pass_of_2
Callout Availability	PASSED Complete 2_pass_of_2
Callout Availability request	PASSED Complete 1_pass_of_1
Callout Text and Callout Pre-Coded Status	PASSED Complete 15_pass_of_15
Callout Text	PASSED Complete 5_pass_of_5
Concatenated Callout Text using Callout Specific Concatenation	PASSED Complete 2_pass_of_2
Concatenated Callout Text using mSDS	PASSED Complete 2_pass_of_2
Callout Pre-Coded Status	PASSED Complete 6_pass_of_6
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
Graceful Service Degradation Mode (GSDM)	
Graceful Service Degradation Mode (GSDM)	Not Supported

Document History

Date	Version	Comment
14.11.2025	0	Published version
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