



MOTOROLA SOLUTIONS

Airwave Network Connection Certificate Remote MCC7500 DCS

The following equipment (hereafter referred to as the "Equipment") has been tested at the Airwave Network Reference System for connection to the Airwave network.

	Manufacturer/Customer:	Versions:	Test Date:	Certificate Issue Date:
Supplier and Equipment Information	Zetron Minster Corner South Church Side Hull HU1 1RR	Product / System Designation: - Cortex Version 8, R26 OS Versions: - Workstations: Windows 10 Cortex Server: Windows Server 2016 TGW Server: Windows Server 2019 Software Versions: CADIService.exe: 8.26.0.128 SDRQWorkerService.exe: 8.26.0.128 MCC7500.Driver.exe: 8.26.0.1271 MSControllerSvc.exe: 8.26.0.128 Reserve Capacity Manager: 8.26.0.260	22 - 26 Jan 2024	22 May 2025

At the time the Equipment was tested, the Airwave Network Reference System was configured as follows:

Airwave Network Software version: -	Motorola Dimetra Core: R9.0.2 DCS Builds: <ul style="list-style-type: none">CSR 756CSR 829
Airwave/Customer Test Specification Title and Issue: -	Generic Remote MCC7500 DCS ICCS Conf Issue 1.3

The testing conducted on the Equipment suggests that it will not adversely impact the Airwave Network when connected and used (as it had been configured and tested during certification in accordance with the above specifications). Test scope was limited to conformance tests in accordance with the latest applicable specification and hence no specific functionality or performance of the product was tested unless specified below or in the test results.

Key Observations/Comments:

1. Testing identified that there is no automatic reconnection attempt when the Cortex client is disconnected from the Airwave network. As a result, reconnection must be carried out manually by the operator for each individual client.
2. It is recommended that the "DCSPortInitialisationTimeout" parameter in Cortex be configured to 45 minutes.
3. A dual TETRA gateway architecture Cortex system was submitted for testing, this has two MCADI connections and a single SDS connection.
4. The MSController component in Cortex utilises Ping to check for MCADI connectivity and health state. This is not the method recommended by Airwave or Motorola, therefore there could be instances where MCADI status is not correctly reported. Cortex users should contact Zetron support in the first instance for such issues.
5. It was observed during testing that sometimes the Private call resources would lock up in the Cortex GUI resulting in the need to disconnect and reconnect to the DCS port. Cortex users should contact Zetron support in the first instance should this issue be encountered.
6. The border network presented by Zetron for testing was not configured to route traffic via the B router upon failure of the A router. Therefore this functionality could not be tested.
7. There is a known issue with regards to lower database version numbers not being processed by Cortex upon CHS cutover or cutback. It is recommended that all Cortex users review and familiarise themselves with the Airwave Cluster Hot Standby (CHS) Cutover briefing document published by Zetron.
8. Zetron conducted their own confidence testing of this release against DCS release CSR#914 in the Airwave Reference System on 15th May 2025. No issues were identified by Zetron.

Disclaimer:

1. This conformance certificate does not indicate any security approval with respects to the operation of this hardware / software on the Airwave network.

It is the responsibility of the supplier and their customer (whether Airwave Solutions Ltd or 3rd party customer) to ensure the Airwave Accreditor's security requirements have been met before this hardware / software is deployed on the Airwave operational network. If this solution is deployed within the customer's security domain then the customers Accreditor / senior officer responsible for security must give their approval inline with the Airwave Service Code of Connection.

2. The issuing of this Connection Certificate is for information purposes only and Airwave makes no warranty representation (express or implied) or guarantee whatsoever as to the fitness for purpose of the Equipment or its ability to operate correctly when connected to the Airwave Network or any other network or equipment. Your use of the Equipment, connection of the Equipment to the Airwave Network and reliance on the contents of this Connection Certificate (for whatever purpose) is at your sole risk. To the fullest extent permitted by law, Airwave shall not be liable for any loss or damage (whether due to

negligence or otherwise) arising in relation to the Equipment, its connection to the Airwave Network or any other network and/or your reliance on the content of this Connection Certificate.

A handwritten signature in black ink, appearing to read 'Glen Conway', is shown on a light gray background.

Issued by: Glen Conway
Senior Engineering Test Manager
Email: glen.conway@motorolasolutions.com