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TCCA Model Procurement Text Library

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LIST OF ABREVIATIONS:

3GPP 3rd Generation Partnership Project

ACE Assessment Capable Entity

GCF Global Certification Forum

MCData Mission Critical Data

MCPTT Mission Critical Push To Talk

MCVideo Mission Critical Video

MCX Mission Critical Services

MPT Model Procurement Text

PRD Permanent Reference Document

TCCA The Critical Communications Association

This Model Procurement Text Library contains the latest versions of TCCA's recommended Model Procurement Texts (MPT).

The intention of TCCA Model Procurement Texts is to align the common needs of MC service providers in order to foster the development of a consistent and global 3GPP ecosystem for mission critical implementations. TCCA recommends incorporating Model Procurement Text (MPT) language in procurements or grant funding activities pertaining to the provision of mission critical broadband services.

MPT-001 is limited to MCPTT (Mission Critical Push To Talk) and device conformance testing. New recommendations will be added, and existing recommendations will be amended to reflect the evolution of common needs, e.g. evolution of the GCF MCX certification scope, upcoming MCX server-side testing, mission critical video (MCVideo) and data (MCData), etc. Specific interoperability testing and certification will need to be addressed on top of conformance testing, as soon as the related interoperability testing and certification processes are in place.

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Id	Requirements	Topic	Revision
MPT - 001	Testing, Interoperability	MCX Conformance Testing - PTT	V2 - 09.2024
MPT-001	Testing, Interoperability	MCX Conformance Testing and Interoperability Testing	V3 – 05.2026

MCX Client and Broadband Device Conformance Testing

In partnership with TCCA, the Global Certification Forum (GCF) has established a formal test process to confirm device's compliance with standards. A framework that facilitates the adoption of open standards-based interfaces coupled with a comprehensive conformance testing will secure a consistent 3GPP ecosystem that drives economies of scale and ensures wider choice of interoperable devices.

There are currently four routes to the certification of MCX products defined by GCF:

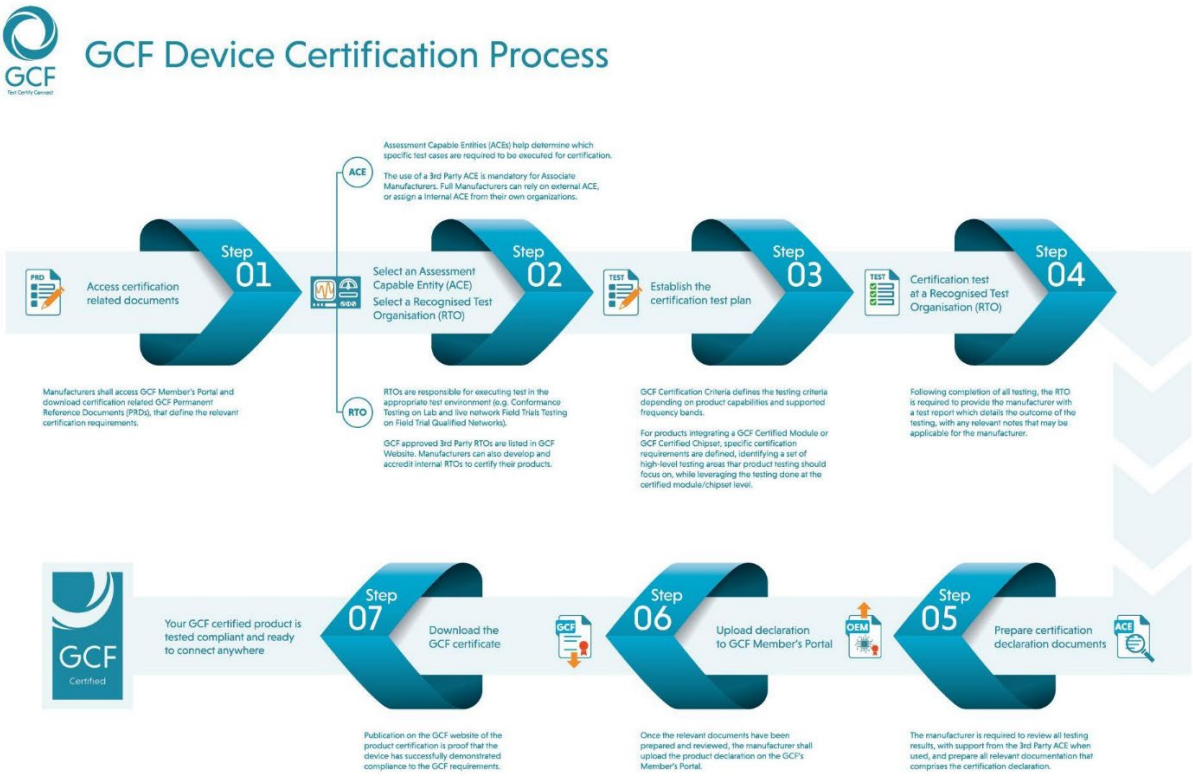
1. Native integration of an MCX Client on an end device
2. Integration of a GCF Certified MCX Client Platform on an end device
3. Integration of an MCX Client on a GCF Certified device platform
4. MCX-only Client Certification

The requirements for each of these routes are captured in the GCF-MCS Permanent Reference Document, which can be downloaded from the GCF Member's Portal:

https://www.globalcertificationforum.org/documents/official-documents/gcf-documents/gcf-reference-documents.html

For all routes of certification where a device and client are both referenced (Routes 1-3), the end product is treated as a system, i.e. the combination of device and client are considered MCX certified.

The certification process for MCX follows the standard GCF device certification process as shown in the figure below. Suppliers are first required to become a GCF member before they are able to engage in the certification process.



Source: https://www.globalcertificationforum.org/services.html

MPT-001: Version 3

Requirements for MCPTT Client and Broadband Device Conformance Testing and Interoperability Testing

This document proposes model text that network operators, government agencies, and end-user organisations should incorporate into procurement tenders, contracts, and grant guidance documents to identify the compliance requirements that equipment suppliers must meet. By including the model text offered by TCCA, the contracting authority can establish the legal basis that ensures standards based 3GPP MCX adoption.

A viable test ecosystem is required in order to meet the public safety community's need for interoperability within and between systems. GCF have produced a Mission Critical Services Certification Procedures Permanent Reference Document (PRD) that identifies certification requirements, policies, and procedures. This GCF PRD is based upon test cases established by 3GPP that confirm compliance with 3GPP Mission Critical Push-to-Talk user equipment interface standards. The TCCA believes the adoption of consistent procurement requirements based on certification is necessary to foster a robust ecosystem of interoperable 3GPP-based MCX devices on a global scale.

TCCA recommends the following sample text to be incorporated in the terms and conditions of procurement or grant funding processes. When used, this model procurement text for

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3GPP MCX compliance may be modified to reflect country-specific and organisation-specific requirements. In cases where GCF has not yet completed the MCS Certification Procedures, the supplier should be requested to proactively ensure that certification is achieved for the products within the scope of delivery. Please note that this text is only for MCX certification requirements. Other certification requirements e.g., other GCF certifications, or certifications for other technologies like WiFi, USB, Bluetooth, etc. may also be needed.

Procurement Activities

The following text is recommended for procurement tenders or contracts.

Suppliers must submit proof that broadband devices supporting group voice communications offered in response to this procurement provide Mission Critical Services (MCX) Client functionality and communication in compliance with the 3GPP standard specifications for Mission Critical Services and broadband devices.

This proof is established by providing Certificates of Compliance issued by the Global Certification Forum (GCF) for both the broadband device and the MCX Client covering Conformance Testing, and Interoperability Testing in the Lab or via Field trials over a live network. Where the broadband device has an embedded MCX Client the Certificates of Compliance for the device will cover the MCX Client.

GCF certification for the MCX Client should follow the process outlined in the latest version of the Mission Critical Services Certification Procedures Permanent Reference Document (PRD), (GCF-MCS), while the certification of the device should follow the latest revision of the Applications Procedures (GCF-AP) PRD. The scope of certification shall be based on a valid version of the GCF Certification Criteria (CC) captured in the GCF-CC PRD. These documents can be accessed from the GCF Members' Portal:

https://www.globalcertificationforum.org/documents/official-documents/gcf-documents/gcf-reference-documents.html

A GCF recognised Assessment Capable Entity (ACE) must be used to determine the certification testing scope, i.e. the test plan, based on the features and functionality to be declared in the relevant MCX product. A GCF Recognised Test Organisation (RTO), must be used to execute the test plan. A Certificate of Compliance issued by GCF must be presented as proof of certification.

The supplier must maintain their Compliance Folder with the relevant data filled Annexes required for certification as outlined in the GCF-MCS and GCF-AP PRDs throughout the lifecycle of the product, including performing any additional testing as required should the hardware and/or software impacting MCX change and broadband communication. The Mission Critical Communications Operator and/or Mobile

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Network Operator may check from time to time, and at its discretion, the contents of the Compliance Folder to ensure product compliancy.

This GCF MCX Certificate of Compliance may be in addition to other conformance and interoperability requirements established by a mobile network operator.

If GCF has not declared the relevant MCS Certification Activation Readiness by the time of procurement, the supplier must proactively ensure that certification is reached for the products within the scope of delivery and provide the Certificate without undue delay when the GCF has declared the relevant MCS Certification work items as Active. This can be achieved in the following ways:

1) The supplier must be a GCF manufacturer member in good standing and stay abreast of the latest developments of the Certification Programme including certification readiness timelines, and evolution to the certification criteria once activated.

2) The Mission Critical Communications Operator reserves the right to determine a payment amount related to this tender, as agreed in advance via bilateral discussions with the supplier, that may be withheld until the proof of certification as outlined above is provided.

Grant Funding Activities

The text above may also be used as basis for grant funding guidance.