



# MISSION CRITICAL SOLUTION (MCX)

MCX Plugtests™ Programme  
(X Stands for MCPTT, MCDData and MCVideo)



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v. 3.2

# MCX ECOSYSTEM

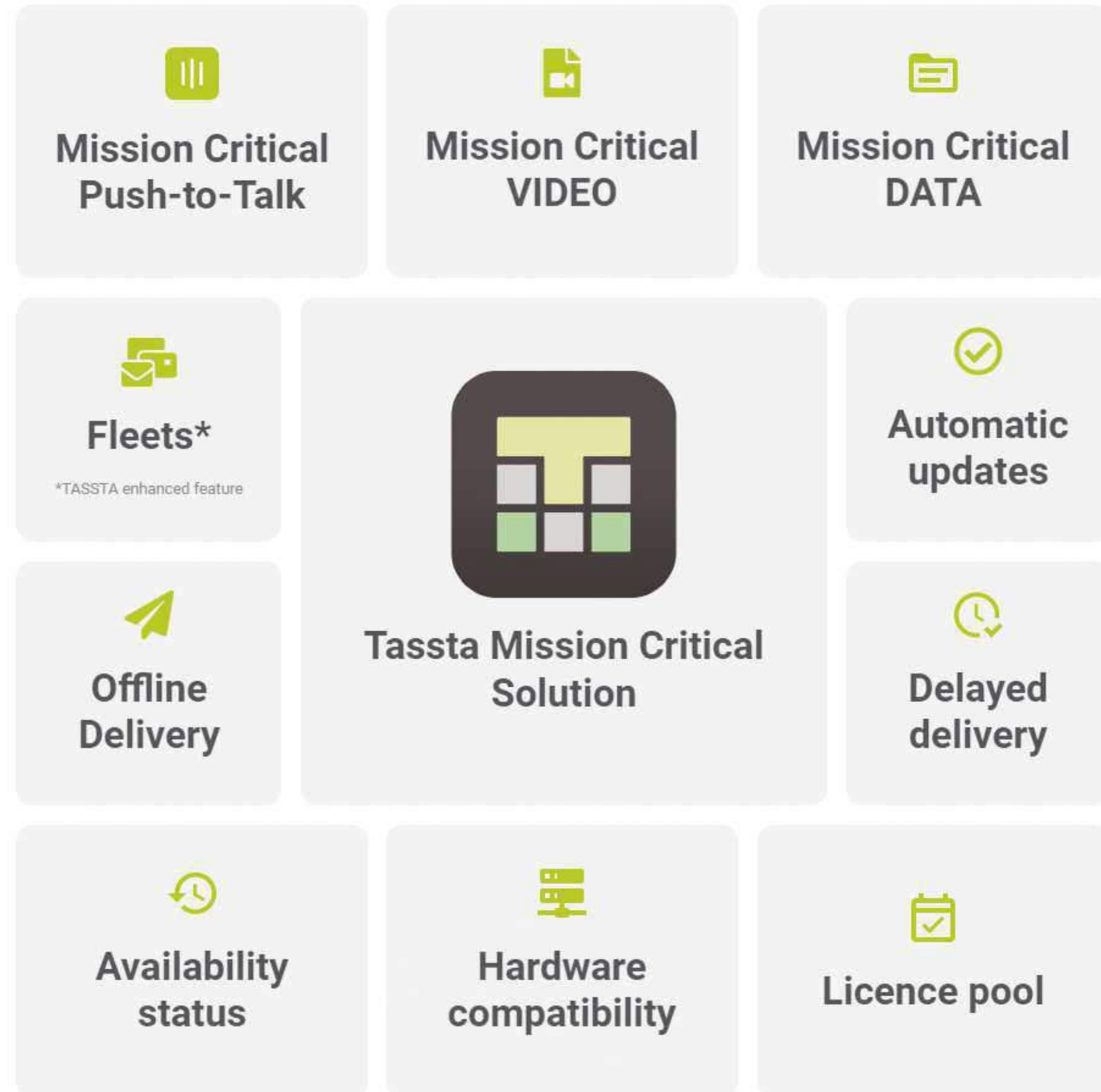


# FEATURES

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TASSTA MCX solution offers a full range of services fully compliant with 3GPP specifications: Mission Critical Push-to-Talk (MCPTT), Mission Critical Video (MCVideo) and Mission Critical Data (MCData).

The compliance and interoperability are validated through MCX Plugtests Programme, which TASSTA regularly attends since 2017.





# MCPTT: MISSION CRITICAL PUSH-TO-TALK

A Push-to-Talk service provides an arbitrated method by which two or more users may engage in communication.

Users may request permission to transmit (e.g., traditionally by means of a press of a button).

# MCPTT: MISSION CRITICAL PUSH-TO-TALK

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The MCPTT Service is intended to support communication between several users (a group call), where each user has the ability to gain access to the permission to talk in an arbitrated manner. However, the MCPTT Service also supports Private Calls between pairs of users.

## Features:

- Private call 1-1
- First to answer call 1-1 (many)
- Ambience listening call
- Remote ambience listening
- Group Call 1- many
- Chat Call 1 - many
- Board cast Call 1- many
- Temporary Groups

# MISSION CRITICAL VIDEO

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Mission Critical refers to meeting the needs of agencies providing Public Safety services such as Police, Fire and Ambulance services. Those needs include high reachability, availability and reliability of the service, low latency, realtime operating capabilities, highly secured operations, private and group communications, handling of emergencies and ability to provide prioritization.

MCVideo service includes:

- Video capture of the video information;
- Secure streaming and storing of the video information;
- Processing of the video information, including the ability to annotate video frames and recognize video features;
- Transmission and control of the parameters relevant to those functions;
- Interoperability with other services and systems.

# MCDATA: MISSION CRITICAL VIDEO

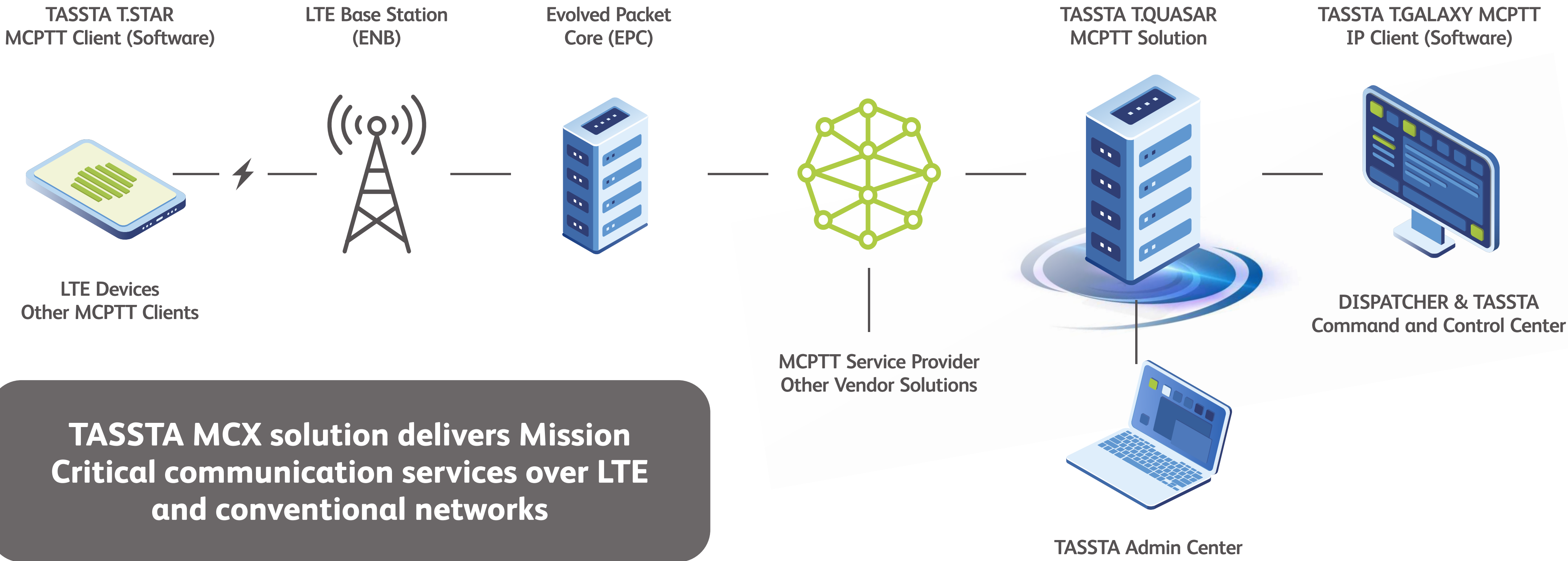
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MCDATA is a service for Mission Critical Data Operations. In addition to voice services, today's Mission Critical Users have been increasing their use of data services, including low throughput services on legacy networks and data services on commercial networks.

This need will continue to grow with the creation of new multimedia services. The MCDATA service needs to provide a means to manage all data connections by Mission Critical Users in the field and provide relevant resources to the ones who need them.

- Short Instant Messaging (private / group)
- File Sharing
- Location Sharing

# TASSTA MCPTT TECHNICAL DIAGRAM



**TASSTA MCX solution delivers Mission Critical communication services over LTE and conventional networks**





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