



# The Mission Critical Open Platform (MCOP)

**The Mission Critical Open Platform (MCOP) project makes it easy to develop and test standards-compliant Mission Critical Push-to-Talk (MCPTT) applications.**

MCOP is defining, developing and validating an open platform that identifies neat **Open APIs** (Application Programming Interfaces) to reduce the efforts required for writing and integrating mission critical applications. The APIs hide the complexity of the underlying technologies from the application, helping to deliver faster time to market.

MCOP maintains a Mission Critical grade - including eMBMS and MC QClS - **Open Source MCPTT SDK** (Software Development Kit) and client, and a testbed for the developed applications. The **testbed** can be accessed online.

MCOP will help anyone looking to become involved in the critical communications industry to catalyse for the market and remove the entry barriers of multiple technologies and proprietary platforms. MCOP will ensure interoperability of voice communications applications: all MCOP components are fully **compliant with the 3GPP MCPTT standards**.

## MCOP Benefits

- Easy mission critical application development
- Easy product integration
- Easy prototyping, hands-on trials and training
- 3GPP MCPTT standards-compliant with guaranteed interoperability
- Technology neutral API definitions at different levels
- Live on-site and online testbeds

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On our website you can find all the API definitions, the open source SDK and the online testbed:

**[www.mcopenplatform.org](http://www.mcopenplatform.org)**

To find out more, please contact **[info@mcopenplatform.org](mailto:info@mcopenplatform.org)**

Follow us **[@mcopenplatform](https://twitter.com/mcopenplatform)**

# MCOP Supporter

The advances made by MCOP since its inception in mid-2017, and the demonstrations given around the world, have generated a great deal of industry and user enthusiasm for the project. To accommodate this the MCOP Supporter Programme was created in which organisations commit to use and support open standards and MCOP. Joining the MCOP Supporter Programme is free of charge.

## The MCOP partner organisations are:



### University of the Basque Country, Spain

The University of the Basque Country (UPV/EHU) leads the MCOP project. The NQaS (Networking, Quality and Security) research group involved in MCOP has more than 15 years' experience in mobile networking and security R&D projects. It comprises a team of engineers responsible for the development of the MCOP SDK and different integration activities. [www.ehu.es](http://www.ehu.es)



### Bittium

Bittium specializes in the development of reliable, secure communications and connectivity solutions, leveraging its 30 year legacy of expertise in advanced radio communication technologies and providing secure connectivity solutions and other innovative products for public safety, military and government customers in more than 40 countries. [www.bittium.com](http://www.bittium.com)



### Expway

Expway is the LTE Broadcast expert, enabling mobile carriers, device manufacturers, and content delivery networks to monetize the mobile video-streaming explosion. Expway delivers content efficiently and cost effectively through the last mile, from the mobile carrier antenna to the end-user device, with consistent high-quality-of-experience. [www.expway.com](http://www.expway.com)



### TCCA

TCCA represents all standard-based mobile critical communications technologies and complementary applications, promoting the principle of open and competitive markets worldwide through the use of open standards and harmonised spectrum. TCCA is a 3GPP Market Representation Partner and our Members actively contribute in 3GPP working groups. [www.tcca.info](http://www.tcca.info)

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