ETSI
The Standards People

MEC Proof of Concept

What is a MEC PoC?

Multi-acces-Edge Computing (MEC) offers application developers and content providers cloud-computing capabilities and an IT service environment at the edge of the mobile network. This environment is characterized by ultra-low latency and high bandwidth as well as real-time access to radio network information that can be leveraged by applications.

MEC provides a new ecosystem and value chain. Operators can open their Radio Access Network (RAN) edge to authorized third-parties, allowing them to flexibly and rapidly deploy innovative applications and services towards mobile subscribers, enterprises and vertical segments.

Whether by means of exhibits made at specific events, demonstrations running in laboratories, or even full deployments on experimental networks, any given PoC not only impacts its immediate audience, but the cumulative set of PoCs also provides a measure of industry impact from these MEC concepts.

The ETSI MEC ISG has developed a MEC PoC Framework to coordinate and promote multi-vendor Proofs of Concept (PoC) illustrating key aspects of MEC ISG work. MEC PoCs are intended to demonstrate MEC as a viable technology. Results are fed back to the MEC Industry Specification Group. MEC PoCs also help to develop a diverse and open MEC ecosystem.

The ETSI MEC PoC ZONE enables the demonstration of multi-vendor Proof of Concept (PoC) projects that are developed according to the MEC PoC Framework. It is a unique opportunity to gain first-hand knowledge and insight about MEC technology - and what the current reality is - in order to strengthen the strategic planning and decision-making, and help identify which MEC solutions may be viable in the network.

Neither ETSI, the ETSI MEC ISG, nor its members make any endorsement of any product or implementation claiming to demonstrate or conform to MEC. No verification or test is performed by ETSI on any part of these MEC PoC.

ETSI's Centre for Testing and Interoperability (CTI) works with the MEC ISG to coordinate the different Proofs of Concept. The CTI has long experience in supporting technology evaluations and interoperability events which can be useful to assist the PoC teams with test expertise, administration and project management support.

MEC Deployment Trials

After the successfull campaign of MEC Proof of Concepts (PoC), ETSI ISG MEC has developed the MEC Deployment Trial Framework (MDT). The goal of the MDT initiative is to demonstrate the viability of MEC in commercial trials/ deployments and to provide feedback to the standardization work. The initiative is calling ETSI Members and non-members to form MDT teams and propose their solution to showcase their deployed system in a commercial network, relying on the principles of the MEC reference architecture and interfaces.

List of accepted MEC PoCs

The following MEC Proofs of Concept are being developed according to the ETSI MEC Proof of Concept Framework. PoC results are fed back to the MEC Industry Specification Group. Many proofs of concept have already been developed and new demonstrations are underway. For an updated list of the ongoing PoCs and further details, please see:

www.etsi.org/mec-poc

or contact us:

CTI_Support@etsi.org.

- PoC#1: Video User Experience Optimization via MEC - A Service Aware RAN MEC PoC
- PoC#2: Edge Video Orchestration and Video Clip Replay via MEC
- PoC#3: RAVEN - Radio Aware Video Optimization in a Fully Virtualized Network
- PoC#4: FLIPS – Flexible IP-based Services
- PoC#5: Enterprise Services
- PoC#6: Healthcare – Dynamic Hospital User, IoT and Alert Status Management
- PoC#7: Multi-Service MEC Platform for Advanced Service Delivery
- PoC#8: Video Analytics
- PoC#9: MEC platform to enable low-latency Industrial IoT
- PoC#10: Service-Aware MEC Platform to Enable Bandwidth Management of RAN
- PoC#11: Communication Traffic Management for V2X
- PoC#12: MEC enabled OTT business

For further details on ETSI's current activities on multi-access edge computing, please visit:

www.etsi.org/mec

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ETSI, 650 Route des Lucioles, 06921 Sophia Antipolis Cedex, France. Tel: +33 4 92 94 42 00 - info@etsi.org