Most **entry barriers** from traditional niche market MC technologies **removed**
- Standardized (3GPP MCPTT)
- General Purpose Radio Technology (LTE)
- Interoperable
- All-iP
- Software based (VoIP-like)

but...
there still exist **implementation issues** that limit Public Safety Innovation capabilities when compared with Internet & Mobile technologies

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**The MCOP approach**

**Challenges**
- R&D in MCPTT complex ecosystem.
- Proprietary or all-in-one e2e solutions.
- Monolithic apps (MC-voice only).
- General purpose APIs missing MC mechanisms.
- VoLTE co-existence.
- Lack of common provisioning mechanisms.

**Objectives**
- Live and on-site MCPTT testbed.
- Definition of industry driven normalized APIs.
- Open Source SDK.
- Different level APIs.
- Validation
- Integration on live testbeds.

**MCOP’s targets**

**Stakeholders**
- Industry and Researchers
- **Not only telcos but**...
- ....former OTT PTT solutions providers
- Small integrators
- PSOs’ IT departments
- New stakeholders, Internet & FOSS community, volunteers, IoT....

**Benefits**
- **Reduce** Entry Barriers.
- **Foster** innovation & accelerate development.
- **Share** Lesson Learnt and MCPTT awareness.
- **Avoid** duplicated efforts.
- **Democratization** of MC access to newcomers.
- **Better understanding/troubleshooting protocols.**
- **Take advantage** of the scale economy.
- **Easier integration** for all.

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**The MCOP architecture and outcomes**

- **Open APIs** to be implemented by UE vendors.
- **Open Source MCPTT Client early release.**
- Project site and live on-site/online testbeds.
- **Tailored demo app** using MCOP SDK.
- Detailed requirements and lesson learnt **reports.**
- Participation on plugtests/stakeholder **events.**