POCSTARS
Connecting New Frontiers

PoC ≠ PoC

Do you really know which type you're using?

www.pocstar.com

TWO TYPES OF POC

Most solutions in the market are simply referred to as "PoC".
But in practice, two very different models — and they shape how your communication system performs in the long run.

OTT PoC		OMA PoC (POCSTARS MNO)
App-based voice	PURPOSE	Telecom-grade platform
Proprietary (non-standard)	PROTOCOL	OMA PoC spec
Cloud only	PROTOCOL	Cloud / Private / Hybrid
User-level	RELIABILITY	Network-level QoS (<1s)
Limited	INTEGRATION	OSS/BOSS ready
Single org	SCALABILITY	Millions of users

The difference is subtle — until it reaches your operation.

TECHNICAL FOUNDATION

Engineered on telecom-grade standards to support operational deployment.

High Concurrency at Scale
Up to 20,000 concurrent voice sessions per node

Sub-second response time
≤500 ms call setup / ≤700 ms talk start latency

Reliable under weak networks
- Voice continuous ≤20% packet loss
- Video usable ≤15% packet loss

· Voice clarity optimised (MOS 3.7, tested under AMR-NB)
· OMA PoC compliant & SIP interoperable
· Built on a scalable microservice-based framework

WHAT PERFORMANCE MEANS IN REAL USE

When communication performs consistently, it naturally becomes part of the operational workflow.

Technology Capability	In Real Use
≤500 ms call setup / ≤700 ms talk start	Immediate team response in urgent situations
~100 ms voice transmission delay	Field teams receive commands almost in real time
MOS 3.7 voice clarity (tested under AMR-NB)	Supports message accuracy even in noisy or high-stress environments
Up to 20,000 concurrent voice channels per node	Supports large-scale dispatch without disruption
Incident-based video support	Rapid situational awareness when needed

Performance validated in field deployment environments.

MNO

FROM TEST TO DAILY OPERATIONS

PoC often works well in testing,but the real test begins when people depend on it every day.

Pilot

- Limited users and devices
- Controlled scenarios and short-term use
- Most PoC solutions look similar at this stage

Roll-out

- More teams, sites and roles come online
- Network conditions differ across environments
- Need clearer dispatch structure and responsibilities

Daily Operations

- Performance and stability define user trust
- Integration, monitoring and traceability become essential
- PoC becomes part of the operational system, not just a tool

It's not about how it works for 5 minutes, but how it performs over 5 years.

WHY MNO WORKS AS PART OF YOUR OPERATIONS

OMA PoC-based & SIP interoperable

Built on telecom standards for carrier-grade operation.

OSS/BSS & IT integration

Connects PoC with existing operational and management systems.

Flexible deployment options

Supports cloud, private and hybrid deployment models.

Hierarchical users & structured dispatch

Aligns communication with real organisational roles and responsibilities.

High concurrency at scale

Handles large fleets and multi-team usage on a single platform.

Low latency & weak-network resilience

Sub-second call setup with stable performance in challenging networks.

From project-based PoC to platform-based deployment — this is where operational value begins.

POCSTARS MNO

Beyond Push-to-Talk.
Built as a telecom-grade platform for real operational deployment.

Talk to our experts to see how it works in your sector

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Full technical specification snapshot available upon request.