



**VIAVI**

VIAVI Solutions

Brochure

# Managing Mission Critical Communications for Emergency Services

Manage your TETRA to MCx transition smoothly, helping your first responders to work faster and smarter, sooner



Emergency services depend on fast, secure, and effective communication.

Existing emergency services' TETRA/P25 networks are now being replaced with advanced private 4G- and 5G-based mission critical networks (MCx), to provide greater benefits to public safety.

Using MCx, enables the Police, Fire, Ambulance and other emergency services to exchange high-quality voice, video and data, in real-time. This means they can provide their vital services even more efficiently and effectively.

At VIAVI, we understand that maintaining a high quality of service and quality of experience in such challenging situations is just as important as providing the service itself.

Our expertise in testing, measuring and managing quality of service (QoS) for both telecoms networks and mission critical communications systems means we can give you all the support you need.

## How We Can Help

- Our EVOIA solutions allow you to test, measure, monitor your mission critical communications running on public and/ or private networks, from end-to-end, and keep them secure
- Actively test your network MCPTT, MCData and MCVideo coverage vs. SLAs and identify interference issues – before deployment and during operations
- Monitor the MCx, Core and RAN, 24/7, including the use of automated alarms and alerts
- Improve and manage secure MCPTT communication call quality for individual, emergency and group calls
- Enable interworking between TETRA/P25 and MCx users
- Use MCVideo, to support responder safety and provide greater clarity on at incidents
- With MCData, first responders have access to life-saving data, images, and valuable information in real-time, to support live situations and emergencies
- Detect network and system vulnerabilities and cyber threats easily and with confidence
- We are 2G, 3G, 4G and 5G ready

# Introducing the EVOIA Portfolio

VIAMI EVOIA solutions make it easy to monitor your mission critical communications networks, radios and data throughput.

Giving you end-to-end visibility of:

- Mobile devices
- RAN
- Core
- IMS
- MCx, ETCS, and other applications

You can also detect and protect against cyber-attacks, keep track of SLAs and troubleshoot communications issues, easily and quickly.

## EVOIA Solution Summary

- The EVOIA solutions are suitable for 3GPP-based systems using push-to-x and mobile data services (group calls, MCVideo, chat, emergency calls, MCData calls and more)
- **EVOIA Assure** – a web-based, interactive dashboard to
  - monitor the MCx, Core and RAN
  - drill down to troubleshoot network communication issues
  - generate reports, automatically based on a predefined or custom template with an email notification feature
- **EVOIA Cyber** – a straightforward way to detect, discover and alert on network vulnerabilities and cyber-threats
- **EVOIA Drive Test** – for active testing of network coverage, using backpacks or trolleys with remote and automated testing capabilities
- **EVOIA Pocket** – an app-based Drive Test solution for smartphones

## End-to-end Mission Critical Communications Testing and Monitoring Made Easy with EVOIA





## VIAMI Aims to Answer the Needs of Anyone Responsible for Mission Critical Operators

### We are 2G, 3G, 4G and 5G ready

VIAMI Solutions provide market-leading tools specifically for railway and other mission critical operators using 2G, 3G, GSM-R, 4G, 5G and FRMCS networks. As well as transportation (railways, airports, and harbours), the Emergency services, power plants, offshore platforms, factories, hospitals, and mining operations, are all embracing the new generation of Mission Critical Services (MCS) networks.

As these services become more attractive, popular, and people are more reliant on them, any disruption to service can have a critical impact, not just on business, but also on human life. That's why Mission Critical Services availability must be monitored and tracked constantly to allow Mission Critical Operators to investigate and quickly fix issues. We provide powerful solutions, which actively test, monitor, troubleshoot, and manage mission critical communications systems. This enables end-to-end visibility of mobile devices, RAN, Core, IMS, MCx, ETCS, and other applications.



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