

Service Assurance for Mission Critical Communications

Three essential services for your mission critical network





Actively test, monitor and troubleshoot your mission critical communications systems with confidence

Because failure is not an option.

At VIAVI, we understand that maintaining a reliable, secure, high quality of service and quality of experience in these technically complex environments is vital. In fact, it is just as vital as the service itself.

Our expertise in testing, measuring and managing mission critical quality of service (QoS) covers every part of the system, from the mission critical application services to the telecoms and infrastructure, including device interoperability. This means we can give you all the tools and support you need to provide your mission critical service 24/7.

1 Network Acceptance

- Test your network radio coverage automatically or on demand and easily identify interference issues with EVOIA Drive Test.
- Test runs can be conducted as single events or as part of a regular schedule. They can be collected on demand or automatically in both manual or unattended mode.
- EVOIA Drive Test uses installed racks, trolleys or backpacks, depending on the requirements and budget.
- The results are displayed inside EVOIA Assure, the monitoring and troubleshooting platform.

Examples of How EVOIA Can Help

- Compute MCPTT KPI 1, 2, 3 and 4 or MCVideo Latencies or MCDATA Throughput
- Test radio coverage, devices and interworking in the field to gain network acceptance
- Collect data from all sources relating to mission critical networks: MCPTT, MCVideo, MCDATA, Functional aliases and others.

The Markets We Serve



Public Safety



Urban Transportation



Ports and Maritime



Mining



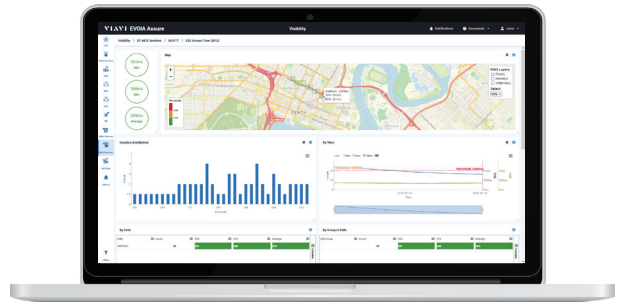
Utilities



[Watch our video to learn more](#)

2 Network Monitoring

- It is much more common to use MNO RAN sharing and have a wider variety of devices connected to the network than in older (TETRA/P25) systems.
- Therefore, it is vital to ensure that every single communication can be monitored from start to finish.
- The EVOIA Assure dashboards make this easy. You can check that QPP: quality, priority and pre-emption meet the SLAs, as well as monitor KPIs, including Border crossing.

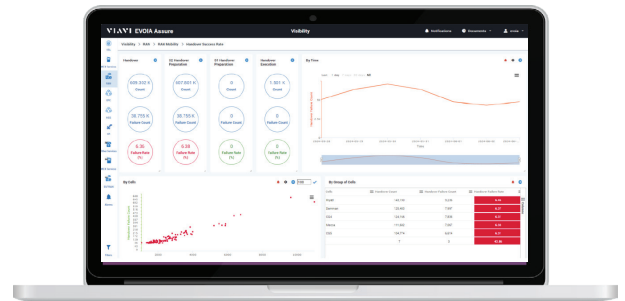


Examples of How EVOIA Can Help

- Provide MOS Voice and video quality scoring
- Check that all participants in a MCPTT call are reached
- Check if a user disconnects a call when voice quality is poor
- Check on file upload or download throughput
- Check MCX/Tetra interworking
- Verify if users can log on to the requested service
- See results as tables, charts, maps, and other graphical displays

3 Network Troubleshooting

- It is important to detect, identify and analyze issues such as spots, services, release causes, equipment, mobile types, functional scenarios and more.
- EVOIA Assure provides a comprehensive end-to-end view of 2G, 3G, 4G and 5G Mission Critical Networks.
- That means you can click on the dashboard and drill down to investigate individual issues, quickly and easily.
- It is suitable for technicians at all levels, including troubleshooters, network operations managers, RAN and core network technicians, application services engineers, mission critical network manufacturers, and more.



Examples of How EVOIA Can Help

- Analyze billions of data records
- Drill-down to protocol decoding of any message
- Conduct end-to-end call tracing
- Automatically analyze:
 - Behavior of subscriber activity
 - Behavior of technical procedures on the control and user planes
 - Troubleshoot issues with the Telecom bearer and mission critical services
 - Root cause analysis
 - Alerts on specific events

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Contact Us to Learn More or Request a Demo



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