EXFO and the Skynet Catalyst

What is the Skynet Catalyst?

It's a cutting-edge proof of concept addressing the global challenge of rapidly responding to large-scale healthcare crisis by enabling the world's foremost experts to gain remote access to frontline responders and cooperate with each other through a bespoke virtual network. Leveraging the latest advancements in virtual networking, network slicing, operations, service modelling and blockchain to create a global marketplace for remote e-health services, healthcare organizations can rapidly set up a dedicated network with specialized e-health services, for virtually any situation, including direct access to each other's research and findings, consultation with the right experts anywhere in the world, remote drone support for visual assessment or virus detection, remote medical diagnostics and consultation, or even remote surgery. This is the promise of Skynet.

EXFO's role is to provide:

- Vendor-agnostic, E2E visibility of the virtual network and services leveraging active test and monitoring to derive real-time insights on network and service quality

- In-depth passive monitoring and correlation of call data records (CDRs) to generate the required KPIs and KQIs for policy-driven operations

- Orchestration of active test and monitoring solutions to provide activation testing of both the network slice instances and the E2E services to ensure service-level agreements (SLAs)

- Orchestration of both active and passive monitoring solutions to continuously monitor E2E service-level performance and guarantee SLA requirements are being met or generate alerts when they are missed

- To continue to evolve the role of service assurance in the broader context of service modelling and autonomous operations to support the goals of virtual and cloud networks

EXFO Active/Passive Probes in Skynet (Orange Network)