



VIAVI Solutions

Booth #3727

## VIAVI Solutions Products in OIF Physical and Link Layer Interoperability Demo 2022

### **Multi-Vendor ZR Live Showcase**

400GE transmission using optical coherent modulation over 40 or even 80 km links. Interworking based on the OIF 400ZR IA, utilizing form factors like OSFP, QSFP-DD and CFP2. VIAVI ONT generates and analyzes 400G traffic sent over two types of pluggable coherent ZR modules.

On the ONT GUI, the key parameters such as traffic rate, data integrity, QoS and OSNR are reported.

### **Using CMIS to Manage Latest Generation of Pluggable Optics**

Addresses the challenges of managing and operating the latest generation of pluggable optics. Multiple operating modes, module breakout and complex client interfaces all require a new management approach now addressed by CMIS (Common Management Interface Specification). The VIAVI ONT houses a QSFP-DD DR4 transponder, this demo shows interaction required for stateful configuration (in this example, either 400GE, or 4\*100GE breakout).

### **FlexE Generation and Transmission over a Network**

The VIAVI ONT test set generates, terminates and analyses a 100G FlexE signal consisting of multiple Ethernet client interfaces. Demonstration shows key characteristics of FlexE and its management. This includes features such as flexible bandwidth allocation, error and alarm management. Shows interworking between virtual clients and physical interfaces, FlexE performance can be easily seen on the ONT GUI.

For more information about the VIAVI ONT-800, please see us at VIAVI booth #3727 or visit <https://www.viavisolutions.com/ont>



## VIAVI Instruments used in the OIF demos:

### ZR Showcase

- VIAVI ONT-804D Mainframe
- VIAVI 800G FLEX DCO Module equipped with QSFP-DD 400ZR and 400G-ZR CFP2-DCO transponders
  - Generate Ethernet traffic (data path)
  - Manage the transponders (control path)



### CMIS Management

- VIAVI ONT-804D Mainframe
- VIAVI 800G FLEX Module, equipped with a QSFP-DD DR-4 400G transponder
  - Generate Ethernet traffic (data path) in various signal structures
  - Manage the transponder via CMIS (control path) as applicable to specific transponder

### FlexE over a Network

- VIAVI ONT-804D Mainframe
- VIAVI 800G FLEX Module with QSFP28, 100G FlexE
- VIAVI N-PORT Module with SFP+ (10GE) and SFP28 (25GE)
  - Generate a 100G FlexE signal with variable client sizes up to 100GE

### About VIAVI Solutions

VIAVI (NASDAQ: VIAV) is a global provider of network test, monitoring and assurance solutions for communications service providers, enterprises, network equipment manufacturers, government and avionics. We help these customers harness the power of instruments, automation, intelligence and virtualization to command the network. VIAVI is also a leader in light management solutions for 3D sensing, anti-counterfeiting, consumer electronics, industrial, automotive, and defense applications. Learn more about VIAVI at [www.viavisolutions.com](http://www.viavisolutions.com)

