Agilent makes light work in the OTN

The next generation optical transport network (OTN) enables the interconnection of network elements for the transport of different types of client signals, for example SONET/SDH, ATM, IP, Ethernet.

The network node interface of the OTN is defined in ITU-T G.709 and includes a rich overhead and forward error correction.

**Frame Alignment**

- Frame Alignment Signal (FAS)
  - Nine bytes consist of the eight columns of the eight rows, with the ninth byte located at the bottom of the frame.
  - FAS is a 4 octet (32-bit) word that is repeated once per frame.

**OTUk Overhead**

- The OTUk overhead contains the following signals:
  - Section Error Indication (SEI)
  - Path Error Indication (PEI)
  - Error Detection Code (BIP-8)
  - Error Detection Code (BIP-16)
  - Tandem Connection Monitoring Status (STAT)
  - Tandem Connection Monitoring Overhead
  - Fault Indication Code (FIC)

**ODUk Overhead**

- The ODUk overhead contains the following signals:
  - ODUk Alarm Indication Signal (OTUk-AIS)
  - Maintenance Signals
    - Frame Alignment
    - OTUk Overhead
  - OTUk Overhead

**Maintenance Signals**

**Agilent Technologies**

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