VT (Virtual Tributary)

A signal designed for transport and switching of sub-STS-1 payloads.

VT Group

A 9 row x 12 column structure (108 bytes) that carries one or more VTs of the same size. Seven VT groups can be fitted into one STS-1 payload.

VT Path Overhead (VT POH)

Four evenly distributed Path Overhead bytes per VT SPE starting at the first byte of the VT SPE. VT POH provides for communication between the point of creation of an VT SPE and its point of disassembly.

VT Path Remote Defect Indication (RDI-V)

A signal returned to the transmitting VT PTE upon detection of certain defects on the incoming path.

VT Path Remote Failure Indication (RFI-V)

A signal, applicable only to a VT1.5 with the byte-synchronous DS1 mapping, that is returned to the transmitting VT PTE upon declaring certain failures. The RFI-V signal was previously known as the VT Path Yellow signal.

VT Path Terminating Equipment (VT PTE)

Equipment that terminates the SONET VT Path layer. VT PTE interprets and modifies or creates the VT Path Overhead. An NE that contains VT PTE will also contain STS PTE, LTE, and STE.

Wander

Long-term variations in a waveform.

Wavelength Division Multiplexing (WDM)

WDM is a means of increasing the capacity of fiber-optic data transmission systems through the multiplexing of multiple wavelengths of light. WDM systems support the multiplexing of as many as four wavelengths.

Wideband

Services requiring 1.5 to 50 Mb/s transport capacity.

Yellow Signal

See Remote Alarm Indication (REI) and VT Path Remote Failure Indication (RFI-V).

SONET Reference Materials

Bellcore GR-253-CORE, SONET Transport Systems: Common Generic Criteria

Consult this document for an up-to-date listing of:

- ▶ Generic Requirements (GR)
- ▶ Technical References (TR)
- ▶ Technical Advisories (TA)
- ▶ Special Reports (SR)
- ▶ EIA/TIA Documents
- ▶ American National Standards Institute (ANSI) documents
- ▶ ITU-T and CCITT Recommendations
- ▶ ISO documents
- ▶ IEEE documents