

ITU-T SG15 liaisons on Ethernet topics

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ITU-T Study Group 15



ITU-T SG15 Liaisons

- URL to access all liaisons
 - ◆ <ftp://ftp.itu.int/tsg15opticaltransport/COMMUNICATIONS/index.html>

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WP3 Liaisons

- **LS85 - SG15 OTNT Standardization Work Plan**
 - ◆ **From: Q3/15**
 - ◆ **ITU-T TSAG, SG12, SG13, ATIS, TIA, IEC, IETF ccamp WG, IEEE 802.1, 802.3, OIF, Metro Ethernet Forum, ATM Forum**
- **LS100 - Status of ITU-T SG15 Ethernet Recommendations**
 - ◆ **From: Q12,9/15**
 - ◆ **To: IEEE 802.1, SG13**
- **LS93 - G.pactiming**
 - ◆ **From: Q13/15**
 - ◆ **To: IEEE 802.1, 802.3,**
- **OUI for EFM OAM for Synchronization Status Messages**
 - ◆ **From: Q13,9/15**
 - ◆ **To: IEEE RAC, 802.3**
- **LS98 - Ethernet ring protection** **-- action --**
 - ◆ **From: Q13/15**
 - ◆ **To: IEEE 802.1, 802.17, IEC SC65C MT9**

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OTNT Standardization Workplan

<http://www.itu.int/ITU-T/studygroups/com15/otn/index.html>

■ Contains

- ◆ list of standardization bodies relevant to optical standardization,
- ◆ a list of known holes/overlaps/conflicts in current work,
- ◆ lists of known Standards and Recommendations
- ◆ a list of documents being actively worked
- ◆ Description of ‘Ethernet over Transport’

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New Ethernet over Transport Recs

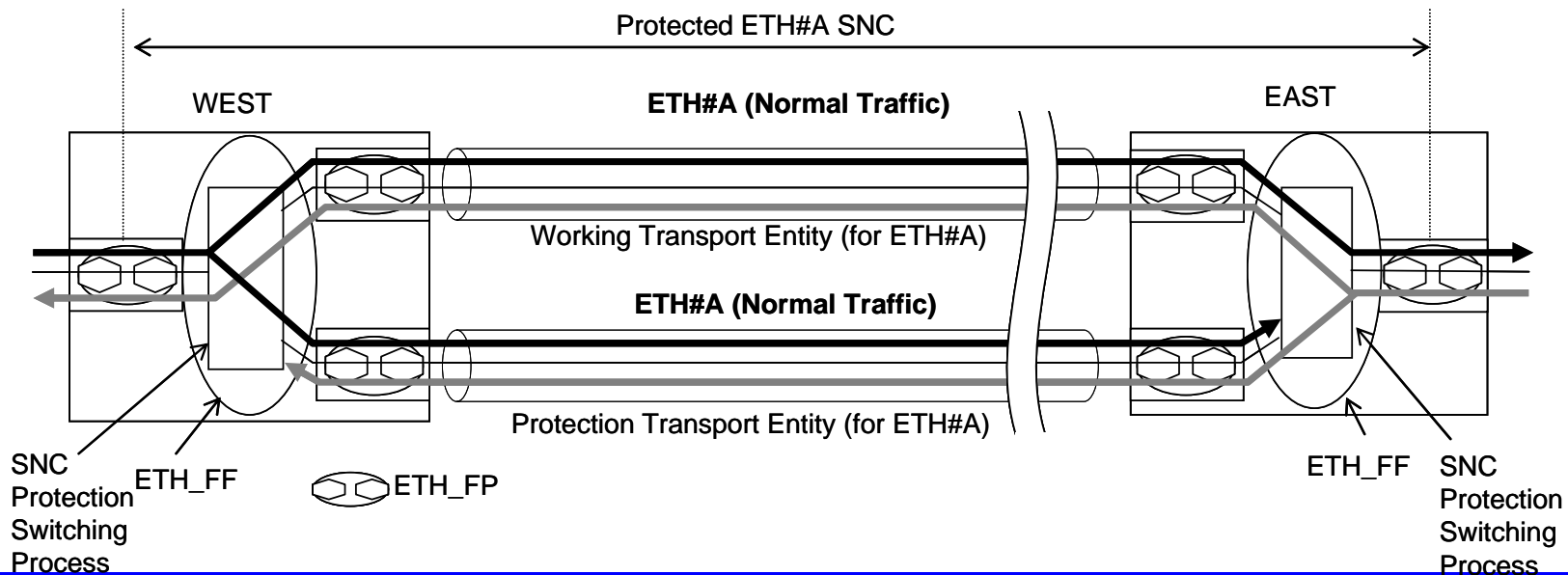
Recomendation	Title
G.8001/Y.1354	Terms and definitions for Ethernet Frames over Transport
G.8021/Y.1341 Am. 1	Characteristics of Ethernet Transport Network Equipment Functional Blocks
G.8031/Y.1342 (ex. Y.17ethps)	Ethernet Protection Switching
G.7041/Y.1303 Am. 1	Generic framing procedure (GFP)
G.8012/Y.1308 Am. 1	Ethernet UNI and Ethernet over Transport NNI
G.8010/Y.1306 Am. 1	Ethernet Layer Network Architecture
G.8261	TIMING AND SYNCHRONIZATION ASPECTS IN PACKET NETWORKS

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Ethernet protection

- G.8031 "Ethernet Protection Switching"
 - ◆ Currently specifies 1+1 and 1:1 point-to-point sub-network connection protection schemes for sub-networks constructed from point-to-point Ethernet VLANs.



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Ethernet ring protection

- G.8031 “Ethernet Protection Switching”
 - ◆ next version of the G.8031 protection schemes supporting sub-networks constructed from multi-point-to-multi-point Ethernet VLANs will be studied.
- Some ‘ring’ options
 - ◆ Based on IEC SC65C MT9
 - ◆ IEEE 802.17 (RPR) has defined ring protection for Ethernet
 - ◆ RPR enhancement to provide ring protection for specific Ethernet VLANs.
 - ◆ Spanning tree
- What is the current status of related 802 projects?
 - ◆ This will allow us to consider your ring protection scheme as a possible candidate for protection in Ethernet Transport Networks.

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WP1 Liaison

- **Liaison regarding higher capacity PONs**
 - ◆ **From: Q2**
 - ◆ **To: 802.3**

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