ITU-T SG13/SG15 updates

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Recent/current related meetings

- SG13/SG15 joint interim meeting: April 22-27, Kobe (Japan)
  - Ethernet/MPLS related issues of the following Questions:
  - Q.5/13 (OAM)
  - Q.9/15 (Protection switching and equipment)
  - Q.12/15 (Network architecture)
- SG15 interim meeting on Q.9/15, Q.12/15: June 19-23, Canada
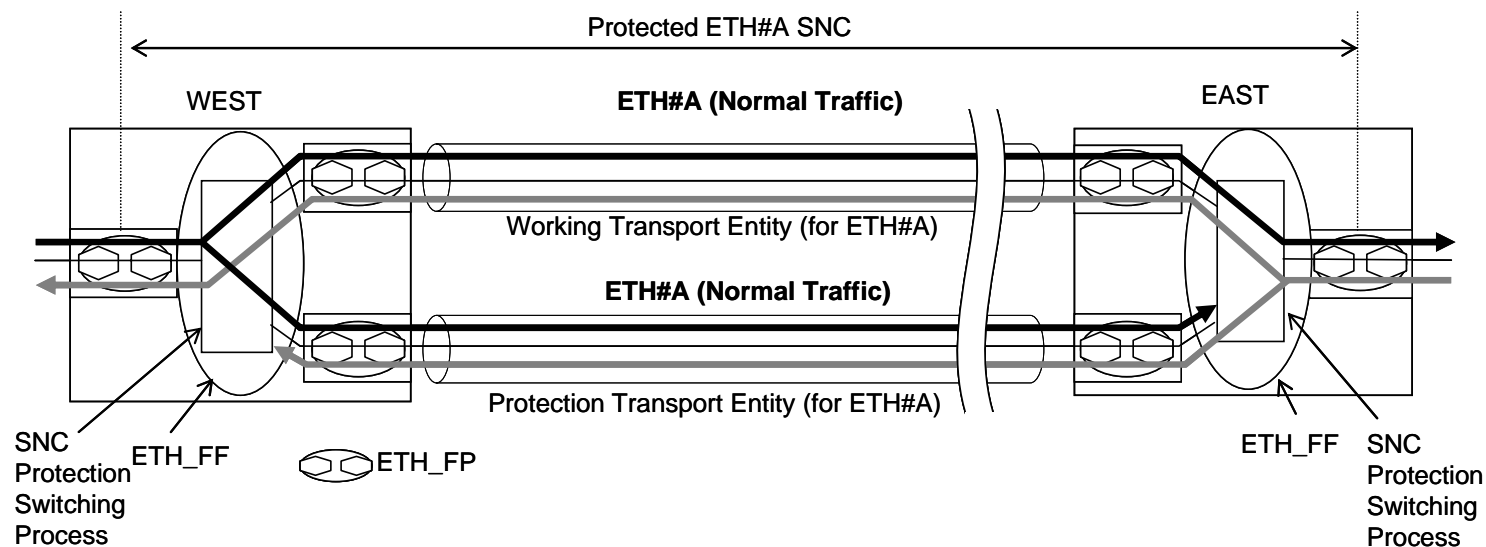- SG13 plenary meeting: July 17 – 28, 2006, Geneva

Future related meetings

- SG15 interim meeting on Q.9/15, Q.12/15: Sept. 18-22, Sophia-Antipolis, France
- SG15 plenary meeting: Oct. 30 – Nov. 10, 2006, Geneva

- # Draft Y.1731 (Ethernet OAM)
  - Specifies OAM functions including fault management and performance management functions.
  - Refers IEEE 802.1ag for EtherType code points and some OpCodes.
  - Fully compatible with common functions also defined in IEEE 802.1ag
  - Consented in the SG13 meeting in Jan. 2006.
  - Approved as a Recommendation in May after comment resolution

Status summary (2) – Q.9/15

- ## Draft Rec. G.8031 (Ethernet protection switching)
  - Defines bidirectional 1+1/1:1 and unidirectional 1+1 protection switching.
  - Current version is for p2p only.
  - Consented in the plenary meeting in Feb. 2006
  - Approved as a Recommendation in June after comment resolution

Protected ETH#A SNC

WEST ETH#A (Normal Traffic) EAST

Working Transport Entity (for ETH#A)

ETH#A (Normal Traffic)

Protection Transport Entity (for ETH#A)

SNC Protection Switching Process ETH_FF

ETH_FP

ETH_FF SNC Protection Switching Process

1:1 bidirectional protection switching architecture

Status summary (3) – Q.9/15

- ## Draft Revised Rec. G.8021 (Ethernet equipment)
  - Specifies functional model for Ethernet equipments
  - Descriptions related to VLAN capabilities were updated as "Amendment 1"
  - Amendment 1 was consented in SG15 plenary in Feb. 2006.
  - Amendment 1 was approved after comment resolution
  - Updated during the interim meeting in June and to be updated further in Sept. meeting
  - Planned to be consented as a new revision in the next SG15 plenary in Nov. 2006. OAM related descriptions will be added.

Status summary (4) – Q.12/15

- ## Draft Revised Rec. G.8010 (Ethernet architecture)
  - Specifies Ethernet architecture model
  - OAM related descriptions were updated and the "Amendment 1" was consented in SG15 plenary in Feb. 2006.
  - Amendment 1 was approved after comment resolution
  - Full revision is planned toward the next SG15 plenary in Nov. 2006.

- ## CO/CL unified model (G.ufatn)
  - Discussion on CO/CL unified model (G.ufatn) is in progress

Backup slides

Ethernet related Questions: rapporteurs and liaisons

- ITU-T SG13
  - Q.5/13 (OAM): Gilles Joncour (FT)

- ITU-T SG15
  - Q.3/15 (Coordination and terminology): Hiroshi Ohta (NTT)
  - Q.9/15 (Protection and equipment): Ghani Abbas (Marconi)
  - Q.11/15 (Service, mapping): Mark Jones (Sprint)
  - Q.12/15 (Network architecture): Malcolm Betts (Nortel)

- SG13 liaison representatives to:
  - IEEE 802.1: Dinesh Mohan (Nortel)

- SG15 liaison representatives to:
  - IEEE 802.1: Hiroshi Ohta (NTT)
  - IEEE 802.3: Glenn Parsons (Nortel)
  - IEEE 802.17: Glenn Parsons (Nortel)
  - MEF: Glenn Parsons (Nortel)

Status of related Recommendations

Q.	Rec. No.	N/R	Title or Proposed Title	Issued date	Next Target / AAP status
5/13	Y.1731	N	OAM functions and mechanisms for Ethernet based networks	--	Approved
3/15	G.8001	N	Terms and definitions for Ethernet Frames over Transport	--	Approved
9/15	G.8021	R	Characteristics of Ethernet Transport Network Equipment Functional Blocks	4/2004	Revision 11/2006
9/15	G.8031	N	Ethernet protection switching	--	Approved
11/15	G.7041	R	Generic Framing Procedure (GFP)	05/2005	2008
11/15	G.8011	R	Ethernet over Transport – Ethernet Service Characteristics	08/2004	2007
11/15	G.8011.1	R	Ethernet Private Line Service	04/2004	2007
11/15	G.8011.2	N	Ethernet Virtual Private Line Service	05/2005	2008
11/15	G.8012	R	Ethernet UNI and Ethernet over Transport NNI	08/2004	2007
12/15	G.8010	R	Ethernet Layer Network Architecture	02/2004	Revision 11/2006
12/15	G.ufatn	N	Unified Framework for the Architecture of Transport Networks	--	11/2006