



ITU-T SG15 updates

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Recent meeting

- SG15 interim meeting
 - Q.9/15, Q.12/15: Feb. 12-16, Sophia-Antipolis, France

Future related meetings and workshop

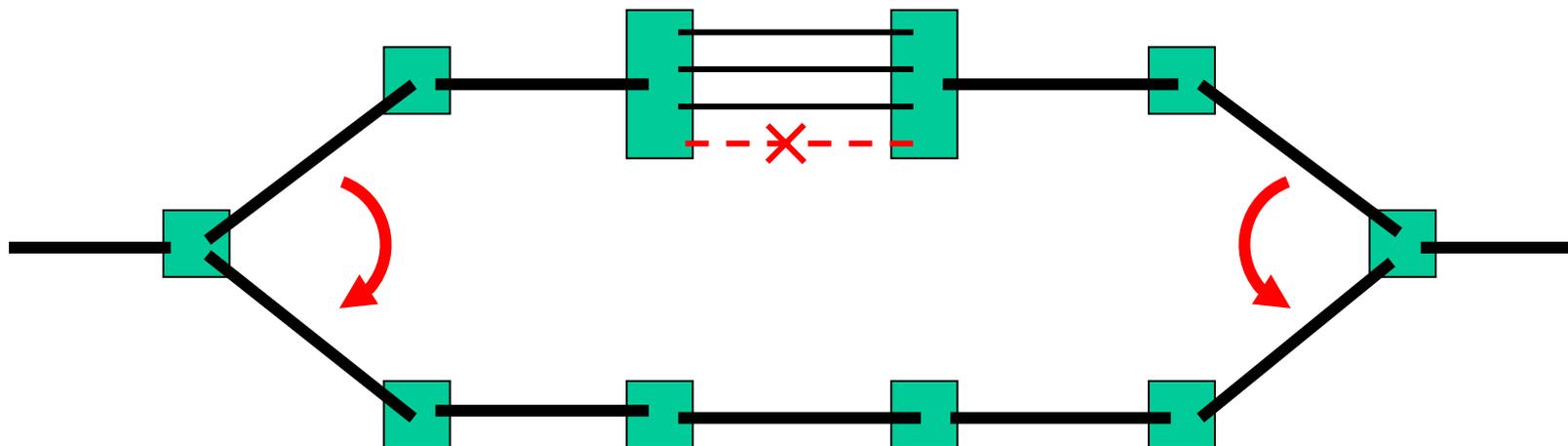
- SG15 interim meetings
 - Q.12/15: March 26-30, 2007, Milan, Italy
 - Q.9/15: April 10-13, 2007, Lisbon, Portugal
- SG13 Plenary meeting: April 16-27, 2007, Geneva
- ITU-T/IEEE Workshop on Carrier Class Ethernet: May 31-June 1, 2007, Geneva
- SG15 plenary meeting: June 4-15, 2007, Geneva

Status summary (1) – Q.9/15

- Draft Revised Rec. G.8021 (Ethernet equipment)
 - Specifies functional model for Ethernet equipments
 - Planned to be consented as a new revision in the next SG15 plenary in June 2007. OAM related descriptions will be added.
 - Updated ETH-LT description according to the recent discussion between IEEE 802.1 and ITU-T SG13/SG15.
 - Sent a Liaison to Q.5/SG13 to align Y.1731.
 - Sent a Liaison to IEEE 802.1/802.3 to suggest possible expansion of Link Aggregation concerning defect detection.

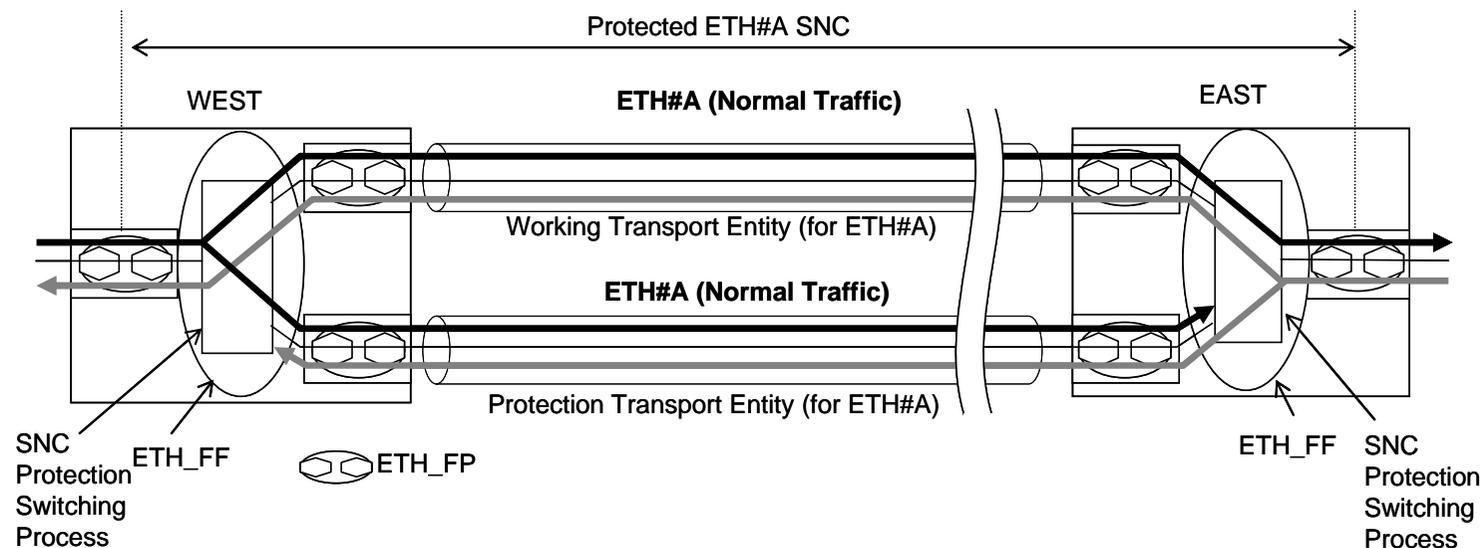
Liaison to 802.1/802.3 on Link Aggregation

- When a linear or ring protection switching system includes a logical link formed by a link aggregation group (LAG), it may be desirable to switch over when a member of the LAG fails.
- Q.9/15 asks a mechanism which enables it. Possible option can be to shut down the entire LAG when a member fails.



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.
 - Next version is planned to be consented at the next plenary meeting in June 2007. Group protection, etc. to be added.



1:1 bidirectional protection switching architecture

Status summary (3) – Q.9/15

- Draft New Rec. G.8032 (Ethernet ring protection)
 - Q.9/15 started to work on Ethernet ring protection.
 - Requirement list was discussed and drafted.
 - Solutions are under study.
 - Q.9/15 will liaise with 802.1 when they progress

Status summary (4) – Q.12/15

- Draft Revised Rec. G.8010 (Ethernet architecture)
 - Specifies Ethernet architecture model
 - Full revision is planned toward the SG15 plenary in Feb. 2008.
- 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): Huub van Helvoort (Huawei)
- 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	06/2005	Addendum 06/2007
9/15	G.8021	R	Characteristics of Ethernet Transport Network Equipment Functional Blocks	04/2004	Revision 06/2007
9/15	G.8031	R	Ethernet linear protection switching	05/2006	Revision 06/2007
9/15	G.8032	N	Ethernet ring protection switching	--	06/2007
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 02/2008
12/15	G.ufatn	N	Unified Framework for the Architecture of Transport Networks	--	06/2007