ITU-T SG13/SG15 updates

November 14, 2005

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Recent and future related meeting

<Recent meetings>
- SG13 plenary meeting: Aug. 29 – Sept. 9, Geneva
- SG15 interim meetings: September 19 – 23, Sophia Antipolis (France)
    - Q.9/15 (Protection switching and equipment)
    - Q.12/15 (Network architecture)
- SG15 interim meeting: Oct. 23 – 27, Ottawa
    - Q.12/15 (Network architecture)

<Future meetings>
- SG13/SG15 joint interim meeting: Nov. 28 – Dec. 2, Chicago
    - Ethernet/MPLS related issues of the following Questions:
    - Q.5/13 (OAM)
    - Q.9/15 (Protection switching and equipment)
    - Q.11/15 (Services)
    - Q.12/15 (Network architecture)
- SG13 plenary meeting: Jan. 16 – 27, 2006, Geneva
- SG15 plenary meeting: Feb. 6 – 17, 2006, Geneva

- **Draft Rec. G.8031 (Ethernet protection switching)**
  - Current version is for p2p only.
  - Requirements and protection switching control protocol details were updated.
  - Other editorial updates were done. The target is to consent it at Feb. 2006.

Last meeting results summary (2) – Q.9/15

- **Draft Revised Rec. G.8021 (Ethernet equipment)**
  - Specifies functional model for Ethernet equipments
  - Description on OAM and protection switching was updated according to the progress of Y.17ethoam and G.8031.
  - Agreed that the use of TLV in Ethernet OAM frames should be minimized
    - Liaison was sent to 802.1 and SG13 (Q.5/13)
    - Related to Q.5/13
  - Discussed how to distinguish internal AIS and external AIS, how MEP/MIP configurations can be simplified
    - Three approaches were discussed
    - Liaison was sent to 802.1 and SG13 (Q.5/13)
    - Related to Q.5/13
  - The target is to consent it at Feb. 2006.

Last meeting results summary (3) – Q.12/15

- ## Draft Revised Rec. G.8010 (Ethernet architecture)
  - Most of the parts are "translation" of IEEE 802 spec into ITU-T language.
  - There was a text proposal from the Editor, which includes some enhancements to current Ethernet specifications including:
    - Link by link VLAN ID translation
    - Unlimited VLAN ID stacking
    - Unlimited MAC address stacking
  - Details are contained TD103(3/15) and TD104(3/15) from May 2005 SG15 meeting

- ## Draft new Rec. G.ufatn (Unified Framework for the Architecture of Transport Networks)
  - Q.12/15 identified the need for unified network framework (i.e., connection oriented and connectionless network models) before the discussion of this enhancements.
  - Q.12/15 discussed G.ufatn issues in two interim meetings.

Recent status of Q.5/13 (OAM)

- Latest draft Y.17ethoam is prepared by the editor reflecting the last meeting's result (Sept. 2005).

- Draft is available at: http://ties.itu.int/u/tsg13/sg13/xchange/wp4/q5/0508_Geneva/

- Ethernet OAM issues will be discussed in the coming joint interim meeting (Nov. 28 – Dec. 2) based on this draft.

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
5/13	Y.17ethoam	N	OAM functions and mechanisms for Ethernet based networks	--	02/2006
3/15	G.8001	N	Terms and definitions for Ethernet Frames over Transport	--	02/2006
9/15	G.8021	R	Characteristics of Ethernet Transport Network Equipment Functional Blocks	4/2004	02/2006
9/15	G.8031	N	Ethernet protection switching	--	02/2006
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	11/2006
12/15	G.ufatn	N	Unified Framework for the Architecture of Transport Networks	--	11/2006