ITU-T SG13/SG15 updates

March 15, 2005

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Recent related meeting

- SG15/SG13 joint interim meeting on Ethernet issues
  - Feb. 28 – March 4, 2005 in Genoa (Italy)
  - Following Questions met in the same place and same week
    - Q.5/13 (OAM)
    - Q.9/15 (Protection switching and equipment)
    - Q.11/15 (Services)
    - Q.12/15 (Network architecture)

Last meeting results summary (1) – Q.5/13

- Draft new Rec. Y.17ethoam (Ethernet OAM)
  - CC frame interval: need to consider the definition of “availability”
  - MIP/MEP configuration: should be done by an external system (e.g., OSS/NMS), but not by CC or other OAM functions.
  - Multicast CC: proposed to make it mandatory to detect misconnection, mismerge, etc.
  - Port state: to align with X.731
  - Performance management, information elements in OAM frames: text updated
  - Ethertype, OpCodes: agreed that IEEE 802.1 should allocate the code points, including ITU-T specific OAM functions (e.g., performance management, test function, etc.)

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

- Draft new Rec. Y.17ethps (Ethernet protection)
  - Trigger conditions were updated
  - APS protocol: 1-phase protocol to be used
  - Should be applicable to both PB and PBB
  - Both uni- and bi-directional protection to be supported
- Draft revised Rec. G.8021 (Ethernet equipment)
  - Description for link aggregation was updated
  - Description for shaper process aggregation was updated

Last meeting results summary (3) – Q.11/15

- Draft new Rec. G.8011.2 (Ethernet Virtual Private Line Service)
  - Text updated regarding control protocol, MIP/MEP, UNI, Multiplexed access, EVPL service types
  - Relationships with MEF service description was clarified
- Draft new Rec. G.8012 (Ethernet UNI and NNI)
  - Clarification of relationships with Provider Backbone Bridge was proposed

Last meeting results summary (4) – Q.12/15

- Draft revised Rec. G.8010 (Ethernet Architecture)
  - It was identified that the following areas need expansion
    - MEP/MIP/MEG description/modeling
    - Architectural model for Ethernet protection switching
    - Architectural model for multiplexed access
  - ETMF (Ethernet Transport Multiplexing Function) was further discussed

Future meetings

<Plenary meetings>

- SG13 plenary meeting: April 25 – May 6, Geneva
- SG15 plenary meeting: May 16 – 27, Geneva

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)

- 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)

Ethernet related Recommendations

- Q.5/13
  - Y.17ethoam (OAM) (New editor: Dinesh Mohan (Nortel))
- Q.3/15
  - G.voceth (Ethernet related terminology)
- Q.9/15
  - Y.17ethps (Protection switching)
  - G.8021 (Ethernet equipment)
- Q.11/15
  - G.7041 (GFP)
  - G.8011 (Ethernet over Transport)
  - G.8011.1 (Ethernet Private Line service)
  - G.8011.2 (Ethernet Virtual Private Line service)
  - G.8012 (Ethernet over Transport NNI)
- Q.12/15
  - G.8010 (Ethernet Layer Network Architecture)

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	--	2006
3/15	G.voceth	N	Terms and definitions for Ethernet Frames over Transport	--	05/2005
9/15	G.8021	R	Characteristics of Ethernet Transport Network Equipment Functional Blocks	4/2004	02/2006
9/15	Y.17ethps	N	Ethernet protection switching	--	02/2006
11/15	G.7041	R	Generic Framing Procedure (GFP)	11/2004	02/2006
11/15	G.8011	R	Ethernet over Transport – Ethernet Service Characteristics	04/2004	02/2006
11/15	G.8011.1	R	Ethernet Private Line Service	04/2004	02/2006
11/15	G.8011.2	N	Ethernet Virtual Private Line Service	--	02/2006
11/15	G.8012	R	Ethernet UNI and Ethernet over Transport NNI	04/2004	02/2006
12/15	G.8010	R	Ethernet Layer Network Architecture	10/2003	02/2006