ITU-T SG13/SG15 updates

March 15, 2005
Hiroshi Ohta, ITU-T SG15 rapporteur
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

<table>
<thead>
<tr>
<th>Q.</th>
<th>Rec. No.</th>
<th>N/R</th>
<th>Title or Proposed Title</th>
<th>Issued date</th>
<th>Next Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/13</td>
<td>Y.17ethoam</td>
<td>N</td>
<td>OAM functions and mechanisms for Ethernet based networks</td>
<td>--</td>
<td>2006</td>
</tr>
<tr>
<td>3/15</td>
<td>G.voceth</td>
<td>N</td>
<td>Terms and definitions for Ethernet Frames over Transport</td>
<td>--</td>
<td>05/2005</td>
</tr>
<tr>
<td>9/15</td>
<td>Y.17ethps</td>
<td>N</td>
<td>Ethernet protection switching</td>
<td>--</td>
<td>02/2006</td>
</tr>
<tr>
<td>11/15</td>
<td>G.8011.1</td>
<td>R</td>
<td>Ethernet Private Line Service</td>
<td>04/2004</td>
<td>02/2006</td>
</tr>
<tr>
<td>11/15</td>
<td>G.8011.2</td>
<td>N</td>
<td>Ethernet Virtual Private Line Service</td>
<td>--</td>
<td>02/2006</td>
</tr>
<tr>
<td>11/15</td>
<td>G.8012</td>
<td>R</td>
<td>Ethernet UNI and Ethernet over Transport NNI</td>
<td>04/2004</td>
<td>02/2006</td>
</tr>
</tbody>
</table>