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# ITU-T Ethernet related standardization - current status -

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Hiroshi Ohta, NTT

## ITU-T SG13, Q.3/13 updates

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- Recent meeting: ITU-T SG13 Q.3/13 interim meeting
- Dates: Sept. 20-24, 2004
- Venue: Sophia Antipolis, France
- Objectives:
  - Ethernet OAM (Y.17ethoam)
  - Ethernet protection (Y.17ethps)
  - MPLS ring protection (Y.17mrps)
  
  - Updated drafts are available from ITU-T website
- No meeting was held after the last IEEE 802.1 interim meeting in Ottawa (Oct. 4-7).

## Last meeting result summary (1)

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- Q.3/13 set target dates for Ethernet OAM standardization
  - Stabilize the contents by mid 2005
  - Finalize official procedures by 1st quarter of 2006

## Last meeting results summary (2) – Ethernet OAM updates

- Update of the conventions: use triangle for MEP to indicate direction of signal transfer
- Added UNI-N to UNI-N MAC layer ME
- Decided to use absolute ME level
- Decided to have 8 ME levels
- Added filtering function at ingress and egress of MEs
- Added Port/MEP/MIP status
- Indicated CC as a mandatory function in the current draft with a note saying “more study needed”
- Enhanced the draft for non-intrusive loopback which uses multicast destination address for loopback request
- Added wire speed (or service speed) Intrusive loopback
  - three options: loop all the frames, loop specific OAM frames or loop frames with the target MAC address – to be selected
- Kept RDI as a further study issue
- Enhanced description of test function
- Updated common OAM frame format

## Last meeting results summary (3) – Other issues

- Ethernet protection updates – all issues need further study
  - Clarified protection switching time
  - Clarified trigger conditions
  - Showed possible VLAN ID assignment methods for working and protection entities
  - Added possible scenarios where STP and protection coexist
  - Added possible scenarios where link aggregation and protection coexist
- Liaison from DSL Forum: They are considering using Ethernet in DSL systems.
  - Considering applicability of Ethernet OAM functions to DSL systems
  - Q.3/13 participants indicated good interests for collaborate with DSL forum

## WTSA results highlights

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- WTSA (World Telecommunication Standardization Assembly): Oct. 5 – Oct. 14, Florianópolis, Brazil
  - Entire ITU-T structure for the next study period (2005-2008) was decided.
  - Chairman, Vice Chairmen, Questions (study items) for each study groups were decided.
  - Ethernet OAM standardization has been allocated to SG13
  - Other Ethernet related issues (architecture, services, protection, etc.) have been allocated SG15

## Future meetings

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- SG15 plenary meeting: Nov. 29 – Dec. 3, Geneva
  - Ethernet architecture, services and protection switching issues will be discussed.
- SG13 plenary meeting: Dec. 7 – 17, Geneva
  - Ethernet OAM issues will be discussed.