ITU-T Q13/15 Updates

TICTOC / IETF-88

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Summary

› Q13/15 met for an Interim meeting in October 2013 (hosted by Sprint)

› Most of the document consented July were finally approved;
  – some of these after some minor adjustments (G.8272 Amd1, G.8260 Amd 1, New G.8271.1, Rev G.8261, G.8263 Amd1).
  – The G.8275 (Time sync architecture) required an Additional Review (to be completed on the 21st of Nov).

› Some adjustments to the G.8275.1 draft (IEEE1588 time sync profile with full timing support);
  – expected to be consented in April 2014

› Progress with the Boundary Clock specification (G8273.2).
  – Second clock type (with more stringent static noise characteristics, 20 ns)
  – Adding specification to limit noise due to SyncE rearrangements (when PTP is combined with SyncE)
  – Expected to be consented in April 2014

› Progress also on PDV tolerance clock testing (G.8263 Amendment?) and possible definition of new PDV network limits (G.8261.1 Amendment?)

› New work item on Partial Timign Support («Assisted partial timing support», where PTP is used as back up to GPS)

Current DocUment Structure

Definitions / terminology

G.8260
(Definition)

G.8260 Appl
(metrics)

Agreed

Ongoing

Frequency: G.826x

Time/Phase:G.827x

Basics

G.8261

G.8271

Network requirements

SyncE Jitter-Wander:
(Included in G.8261)

G.8261.1
(NetwkPDV_frequency)

G.8271.1
(NetwkPDV_time/phase

G.8271.2

Clock

G.8262
(SyncE)

G.8263
(slave clock)

G.8272
PRTC

G.8273

73.1-GM

73.2 BC

73.3 TC

73.4

Methods

G.8264
(SyncE-architecture-SSM)

G.8265
(architecture-Frequency)

G.8275 AAP
(architecture-time)

Profiles

G.8265.1
(PTPprofileFrequency)

G.8265.m
(PTP Profile frequency m)

G.8275.1
(PTPprofile1Time/phase)

G.8275.2
(PTPprofile2Time/phase)