

ITU-T Q13/15 UPDATES

TICTOC / IETF-85

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INTRODUCTION

- › Q13/15 held an meeting in September 2012 (SG15 Plenary)
- › Mainly dealing with Time sync (G.827x series).
- › Following documents have been conseted (just Approved)
 - G.8272 (PRTC)
 - G.8265.1 Amd2 (IPv6 mapping option added to the Frequency sync PTP profile)
 - G.8262 Amd2 (Clarification on Option 2 noise transfer)
 - G.8251 Amd3 (new OTN clients added)
- › Next meeting:
 - January 2013, Interregnum meeting hosted by FT-Orange
- › More information on Time Sync work follow

TIME SYNC UPDATES: G.8271 AND G.8271.1

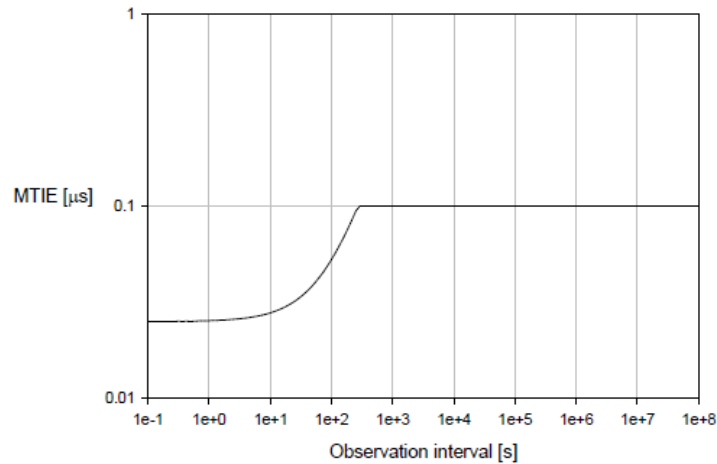
- › Updates in G.8271
 - Physical characteristics of Time Sync Interfaces will be addressed in G.703 (Q1/15)
- › Network Limits (G.8271.1)
 - New planned release date: July 2013
 - Ongoing analysis of Time sync over 20 BC chain with SyncE support. New model with 10 BC has been added.

TIME SYNC ARCHITECTURE AND PROFILE

- › Time Sync Architecture and PTP Profile: G.8275
 - Recommendation planned to be consented in 2013
 - Ongoing discussion on the Best Master Clock Algorithm (G.781-like vs. Default BMCA). Initial agreements follow:
- › Time sync Profile with full 1588 support: G.8275.1
 - Recommendation planned to be consented in 2013
 - No major updates at last meeting
- › New Time sync profile: 8275.2
 - Agreed to start a work item on “partial timing support” (i.e. IEEE1588 is not supported in all nodes)
 - Planned for 2014

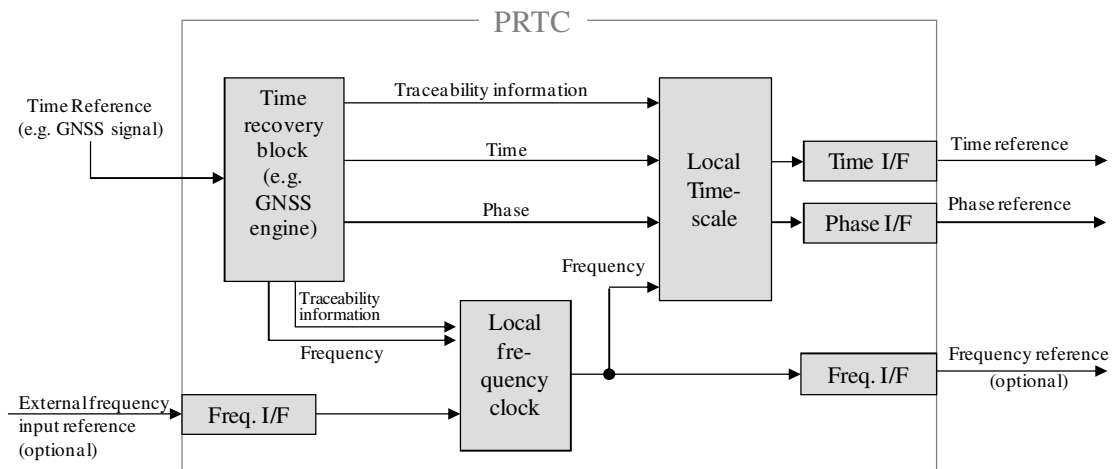
TIME SYNC CLOCKS: G.8272

> PRTC (G.8272) Consented at last meeting



Noise Specification

Functional Model



OTHER TIME SYNC CLOCKS

- › Telecom GM (T-GM): G.8273.1
 - No significant progress at last meeting.
 - New Release date: July 2013
- › Telecom BC (T-BC): G.8273.2
 - No significant progress at last meeting.
 - Planned to be consented in 2013
- › New Work Item on Transparent Clock (T-TC): G.8273.3
 - Ongoing discussion about potential layer violation (Liaison exchanged with IEEE 802.1)

CURRENT DOCUMENT STRUCTURE

