Precision Time Protocol Version 2 (PTPv2)
Management Information Base

draft-ietf-tictoc-ptp-mib-05.txt
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Overview of Draft

• Presents a MIB for a PTP Clock
  – Concentrates on standard PTP data elements
  – Associated information such as performance data metrics are to be covered in a separate MIB

• PTP protocol-specific standard data sets:
  – Default, Current, Parent, Time Properties, Port, TC Default and TC Port Data Sets

• Covers all types of PTP clocks
  – ordinary, boundary and transparent clocks

• Aims to create a standard method for monitoring PTP clocks
Current Status

• Currently at version -05, released 25 Feb 2013
• Draft has received reviews from various people
  – -01 reviewed by Bert Wijnen
  – -02 reviewed by Andy Bierman
  – -03 reviewed by Alun Luchuk and Kevin Gross
• Changes from version -03 (presented at last meeting):
  – Use of 'AutonomousType' import
  – Use of ptpbasewellKnownTransportTypes and ptpbasewellKnownEncapsulationTypes
  – Changed some types from Integer32 to use defined textual conventions
  – Various minor changes to descriptive text
Future Work

• Decided to keep MIB read-only
  – Suggested at ISPCS and IETF85 to make it read-write
  – Design team consensus is to release this as read-only
  – A read-write version could follow if sufficient demand

• IEEE is proposing a new PAR for IEEE1588
  – MIB could become part of the work plan
  – Important for IETF to propose a finished work.

• Design team consensus that the MIB is now stable, and no further changes planned*

• Alan Luchuk (*SNMP Research*) has created an SNMP agent for the MIB, to help people evaluate it

• *Last call requested on the current version of the draft*

*apart from a couple of known typos*