

Precision Time Protocol Version 2 (PTPv2) Management Information Base

draft-ietf-tictoc-ntp-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