

# NTP-MIB Review and Modifications

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# Summary of Modifications to MIB

- Changed a couple instances of service or srv to entity or ent that were missed in the last version.
- Changed ntpEntStatusTime to ntpEntStatusDateTime.
- CONTACT-INFO completed.

# Summary of Modifications to MIB

- Changed ntpEntNotifNotInSync to ntpEntNotifModeChange, triggered when ntpEntStatusCurrentMode changes mode, including initial and terminal mode changes and eliminated:
  - ntpEntNotifEntityStarted
  - ntpEntNotifEntityStopped
- Added protocol statistics objects for the NTP entity and a table of statistics for associations. All of these objects are optional to be implemented.

# Summary of Modifications to MIB

- Protocol statistics objects for the NTP entity:
  - ntpEntStatusInPkts
  - ntpEntStatusOutPkts
  - ntpEntStatusBadVersion
  - ntpEntStatusProtocolErrors
  - ntpEntStatusNotifications

# Summary of Modifications to MIB

- Table of statistics objects for associations:
  - ntpAssocStatusInPkts
  - ntpAssocStatusOutPkts
  - ntpAssocStatusBadVersion
  - ntpAssocStatusProtocolErrors
  - ntpAssocStatusNotifications

# Summary of Modifications to MIB

- Changed conformance/compliance to make most objects optional.
  - Only the following objects mandatory:
    - ntpEntSoftwareName,
    - ntpEntSoftwareVersion,
    - ntpEntSoftwareVersionVal,
    - ntpEntSoftwareVendor,
    - ntpEntSystemType,
    - ntpEntStatusEntityUptime,
    - ntpEntStatusTime,
    - ntpAssocName,
    - ntpAssocRefId,
    - ntpAssocAddressType,
    - ntpAssocAddress
  - All notifications optional

# Summary of Modifications to Draft Text

- Fixed Heiko's address and phone number

# To Do

- Change conformance to require more for NTP (vs. SNTP) entities?
  - a counter for each NTP packet mode
- Add a statistics counter for each NTP packet mode? For the entity and for each association?
- Verify compliance with latest XML MIB templates.
- Add acknowledgements for folks that have given input into this document.