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.