NTP-MIB Review and Modifications

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Summary of Modifications to MIB

- Changed wording to refer to entity instead of service, service instance, etc.

- Changed object names (Srv->Ent) to reflect the above change

- Changed:

  - ntpSrvStatusCurrentState to ntpEntStatusCurrentMode

  - ntpSrvStatusCurrentStateVal to ntpEntStatusCurrentModeVal

  - Mode represents the contents more accurately:

    - "not running", etc.

Summary of Modifications to MIB

- Added association stratum object -> ntpAssocStratum

- Added Leap Second objects:
  - ntpEntStatusLeapSecond
  - ntpEntStatusLeapSecDirection

Summary of Modifications to Draft Text

- Changed RFC to Internet

- Changed wording to refer to entity instead of service, service instance, etc., as per the MIB

- Revised the security considerations as there are now read-write objects

- Added myself as a co-author

- Fixed some lines that were longer than 72 characters

To Do

- CONTACT-INFO still needs correct information
  - Proposed:

    WG Email: ntpwg@lists.ntp.isc.org

    Subscribe: https://lists.ntp.isc.org/mailman/listinfo/ntpwg

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    <contact info>

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To Do

- Define TCs for types that might be useful elsewhere?
  - Proposed:
    - Stratum TC
    - NTP time TC

- Notification for when synced?
  - Proposed:
    - change ntpEntNotifNotInSync to ntpEntNotifCurrentMode
    - Describe the notification as being triggered when ntpEntStatusCurrentMode changes mode, including initial and terminal mode changes
    - We could then eliminate:
      - ntpEntNotifEntityStarted
      - ntpEntNotifEntityStopped

To Do

- Change conformance/compliance for different uses:
  - NTP entities
    - All objects and notifications mandatory
  - SNTP entities
    - Only the following objects mandatory:
      - ntpEntSoftwareName,
      - ntpEntSoftwareVersion,
      - ntpEntSoftwareVersionVal,
      - ntpEntSoftwareVendor,
      - ntpEntSystemType,
      - ntpEntStatusEntityUptime,
      - ntpEntStatusTime,
      - ntpAssocName,
      - ntpAssocRefId,
      - ntpAssocAddressType,
      - ntpAssocAddress
    - All notifications optional