SCSI MIB Update

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SCSI MIB Purpose

- Describe the SCSI attributes and configuration of a networked SCSI entity
- Link to SCSI transports (e.g. iSCSI, FCP)
- Virtualization, Bridging and SCSI Command Sets are out of scope
  (Additional MIB work is welcome ☺)

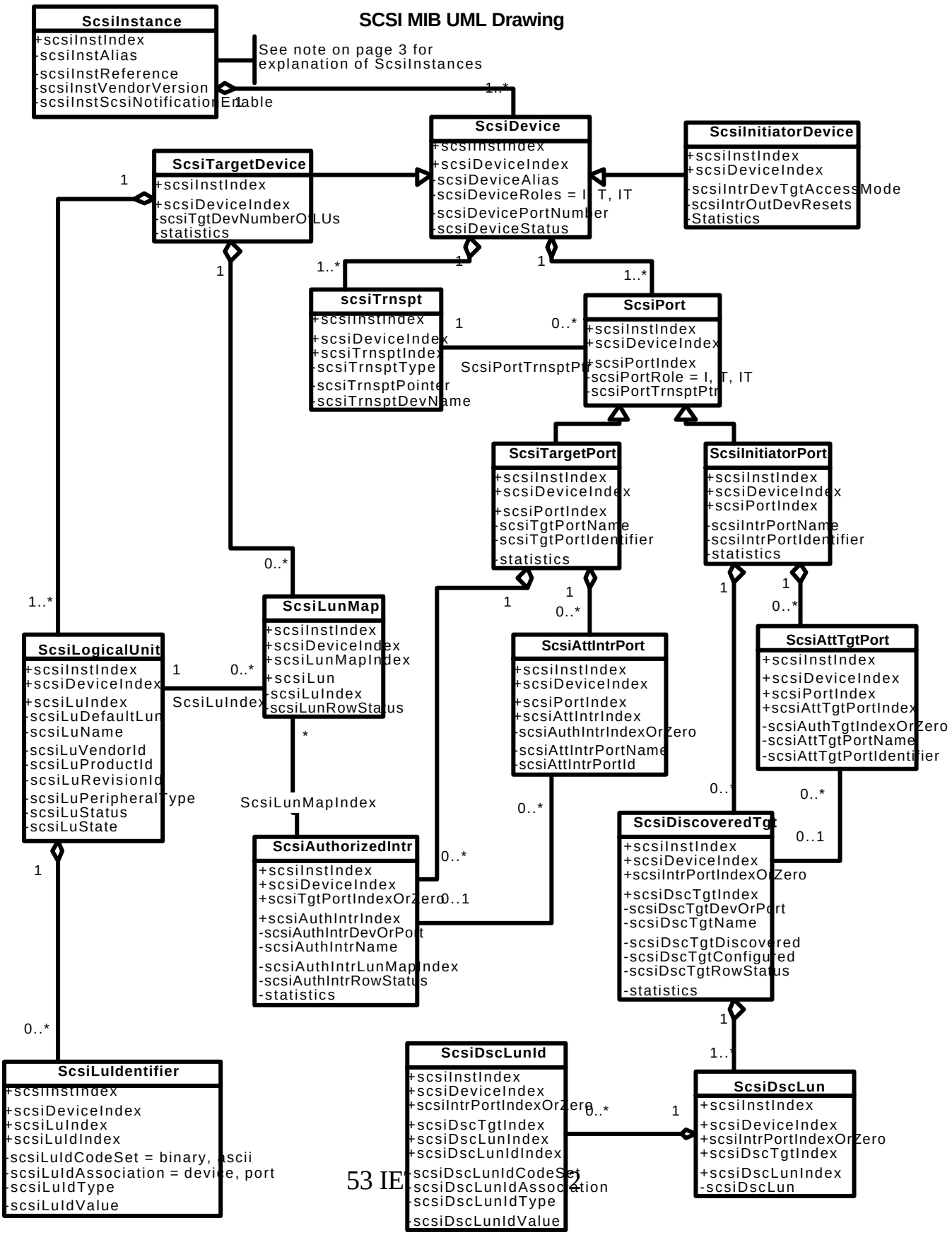
SCSI MIB Status

- Object Model stable
- Object Statistics defined
- Current MIB draft (02) needs additional minor changes
- Should Object population text will move forward as a WG draft ?

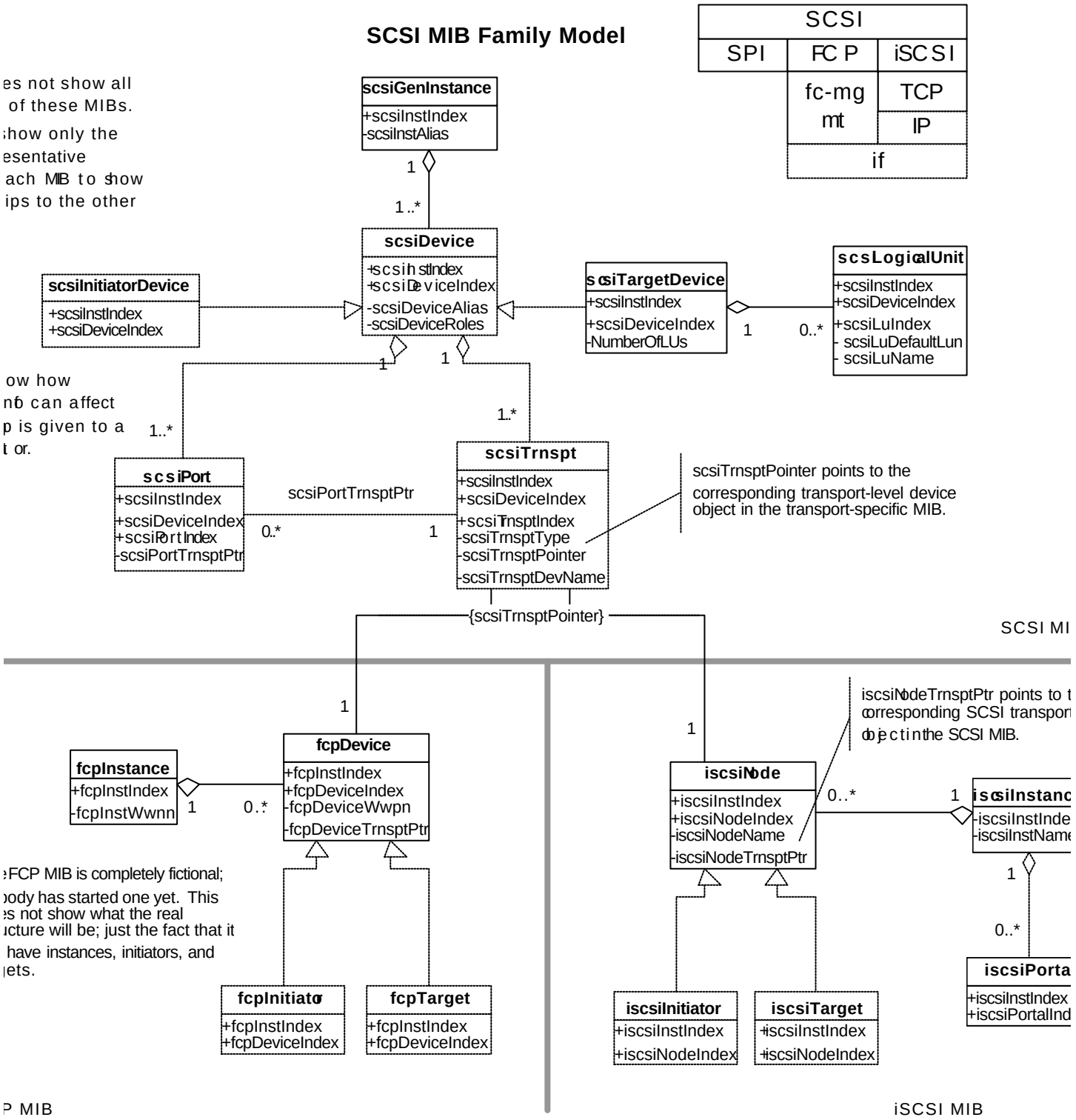
Pending Issues

- Request for a fixed-size error log (last N):
  - Notifications defined
  - RFC 3014 (Notification MIB) requires too many items to be listed
  - No real requirement from vendors
- SNMPv1 support – High capacity counters
  - Provide one (low-order) 32 bit counter, and one 64 bit counter.
  - Do we need also (high-order) 32 bit counter ?
- Is an InitiatorDeviceStatus required ?
  - Should it be admin or operating status

SCSI MIB Object Model



SCSI MIB Family Model



MIB Draft and UML model

- SCSI MIB draft document

ftp://ftpeng.cisco.com/mbakke/ips/scsi-mib/draft-ietf-ips-scsi-mib-02.txt

- UML drawing for SCSI MIB

ftp://ftpeng.cisco.com/mbakke/ips/scsi-mib/Visio-scsi-uml-model-03.pdf

- UML drawing for SCSI MIB family

ftp://ftpeng.cisco.com/mbakke/ips/scsi-mib/Visio-scsi-mib-family-02.pdf

Summary

- Collect input on MIB draft
- Plan on going to WG Last Call between this and next IETF meeting (April-May timeframe)