Trunk MIB Working Group

Fred Baker

Cisco Systems

dsx1Fdl

- Issue: - the comment says it is a bit vector but the SYNTAX is an enumerated type
- Solution? - deprecate (obsolete ?) the existing object and create a new one with the correct SYNTAX - see dsx1LineStatus for an example.

  Note that it is in fact possible to run both T1.403 and PUB 54016 msgs on the FDL at the same time (the address bytes have distinct values) so we do need the bit bector.

dsx1LineIndex/dsx1IfIndex

- Issue: - in the absence of RFC 1573 we need to allow for T1 lines without interfaces.
- Solution? - Declare we only support the "External Interface Scenario" in Section 3.1

the dreaded fractional table no interace type for DS0 "bundle"

- Issue: - The dsx1FracTable maps DS0s to interfaces.
- Solution? - Create a new interface type, again with only the ifGeneralGroup that represents the bundle of bits. Then fix the example text near the frac table to use them - and show the resulting ifStackTable.

the dreaded fractional table - is it needed ?

- Issue: - Given an ifEntry that represents the DS0 bundle do we need the frac Table at all or should the DS0s that comprise the bundle be identified in attributes of the bundles ifEntry instead of in the frac table entry for the DS1 ?
- Solution? - For "raw bits" (case (a) above) I don't think you need to move the information. For the BONDING case where you are BONDING across multiple interface you need info in the BONDING interface but that is probably a different ifType than the "raw bits" case. If we keep the frac table it gives us somewhere to put the per-circuit signalling controls...

Loopbacks

- Issue: - the current loopback control variable only allows you to apply outward directed loopbacks. Inward-directed loopbacks are useful too.
- Solution? - Add new values to the enumeration and hope our advisor doesn't tell us we have to use the test table instead

UAS Fixup

- Issue: - Despite a direct note in the text, folks still ask about the UAS fixup - go back and adjust things +/- 10.
- Solution? - Make the note brutally direct and clear

dsx1SendCode

- Issue: - From time to time someone asks whether this object is meant to be a "knob" or an "LED".
- Solution? - Clarify that is is a knob.

Per-Circuit Configuration

- Issue: - There isn't any in the MIB. At least one set of folk asked for it last fall (Sprint) and Newbridge could use it.
- Solution? - Consider adding an object, perhaps in the dreaded frac table, to say whether a given timeslot has bit-oriented signalling on or off. This is probably T1 only given that CAS mode in E1 doesn't rob from a channel...

Invalid Intervals

- Issue: - In some cases you may end up "losing" data for an interval
- Solution? - Clarify that if you do so, you just answer NoSuch for all values for that interval. Then you need something to tell you your Total Table is probably wrong.

References to T1M1.3/92-005R1.

- Issue: - ANSI finally issued the real document - it is T1.231
- Solution? - Update all references

Some Performance Parameters Don't Have References

- Issue: - Some of the performance parameter definitions (e.g. CSS) provide a definition without a reference. This leads to the odd person questioning/suggestesting other answers, etc.
- Solution? - Ensure each performance parameter has a reference in the text of the definition. Whether or not we put them in the REFERENCE clause for each object is a good question.

Row Creation

- Issue: - There is no way for a management station to create a row in the dsx1ConfigTable.
  - One could argue that T1s are physical things and thus the agent should be the one to populate the dsx1ConfigTable not the NMS.
- Solution? -
  - Make the foregoing argument explicitly in the document
  - add an object with type RowStatus to the config table.

dsx1LineType

- Issue: - There is not line type for transparent lines with no framing
- Solution? - Add a new line type

SNMPv2

- Issue: - All MIBs must be submitted in SNMPv2 syntax
- Solution - Just do it

rfc1573 ifTable objects

- Issue: - The use of ifTable and ifXTable objects for ds1s and ds3s has not been explained
- Solution - Add discussion for each of these objects to both rfcs.

DS2 Support

- Issue: - DS2s are not supported by either MIB.
- Solution? - Use the DS1 MIB to support DS2. This requires the addition of a few objects and some textual changes. A proposal was submitted to the list by Yasuhiko Hato.