SNMP MIBs to manage G.698.2 parameters

draft-galimbe-kunze-g-698-2-snmp-mib-02.txt

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Problem statement

- ITU-T G.698.2 defines the optical parameter to operate a DWDM system in a Black Link approach
- G.698.2 doesn't tell us how to manage it
- G.698.2 doesn't tell us how to code the parameters

More:

- New requirements from some operators (see Black Link Framework just presented)

- New technology availability must be addressed:
  - 100G, 400G, 1T – co-ordinate w/ ITU-T
  - Colourless/Directionless/Contentionless ROADMs
  - Flex Spectrum must be addressed

Changes from last meeting

- changed the document version to 02
- Added new parameters:
  - 4.1.4.2. Optional parameters at Rs side
- Modified 4.2.1. Use of ifTable for OPS Layer
- Added Ch. 6. Object Definitions as per parameters specified in the document
- Support the proposal done in " Framework for Management and Control of Optical Interfaces supporting G.698.2" R.Kunze

RFC-3591 SNMP MIB as starting point

- RFC-3591 specifies the SNMP MIB of some optical parameters.
- We need an extensions to Managed Objects for the Optical Interface Type to support all the Optical Parameters proposed by ITU-T G.698.2 and its future extensions (like 40Gbs and 100GBs)

- **Working group ?**

Next Steps

- Feedbacks on draft effectiveness
- Agree whether the Draft will be a RFC-3591 extension or a New Draft
- Refine the parameter contents / extension and SNMP MIB structure
- Identify future parameters to cover with the MIB