Models to manage G.698.2 parameters

1. draft-galikunze-ccamp-g-698-2-snmp-mib-09.txt
2. draft-dharinigert-ccamp-g-698-2-lmp-08.txt
3. draft-dharini-netmod-g-698-2-yang-01.txt

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Motivation & Problem statement

- ITU-T G.698.2 defines the Application Codes and their optical parameters to operate a DWDM system in a Black Link approach
- ITU-T G.694.1 providing the Lambda definition
- ITU-T G.872 and G.874.1 are considered as additional reference

GOALS of the drafts:

- Provide a standard way to retrieve/set the ITU-T application code, the power and the frequency.
- Provide standard way to retrieve/set the optical parameters not included in the application code.
- Support EMS/NMS/SDN controllers to access the optical parameters
- Enable a common and simple way to share information on optical parameters across vendors and operators
- Allow Client and DWDM equipment to exchange information on DWDM i/f parameters

Contents of the drafts

1. draft-galikunze-ccamp-g-698-2-snmp-mib-09.txt

   The Draft is and extension of the RFC3591 to support

   - ITU-T G.698.2 and
   - ITU-T G.694.1

   Based on ccamp/ITU-T liaison and the comments from persons attending ITU-T (thanks to Kam and Eve) the parameters supported are:

   - Central frequency (see G.694.1 Table 1)
   - Single-channel application identifiers (see G.698.2)
   - Number of Single-channel application identifiers Supported
   - Current Laser Output power
   - Current Laser Input power

Contents of the drafts

2. draft-dharinigert-ccamp-g-698-2-Imp-08.txt

   Reflects the SNMP MIB draft in terms of parameters plus:

   - Transmitter Current Status

   - Receiver Current Status

   This document does not yet reflect the comments of the SNMP MIB draft, it will be resubmitted when the submission will be opened

3. draft-dharini-netmod-g-698-2-yang-01.txt

   Reflects the SNMP MIB draft in terms of parameters plus:

   - Address comments on the Yang syntax provided by Bernd Zeuner from DT

   - More comments are not yet addressed in the -01 version. -02 version has been posted on Nov. 10th

Changes from last meeting

- ## Modified:

  draft-galikunze-ccamp-g-698-2-snmp-mib

  - Comments from Toronto and Kam – Eve
    - Added reference to G.872 and G.709, G.874
    - Added reviewed the black link description and scope
    - Extended to support the OTN interface nor mentioned in RFC3591

  draft-dharinigert-ccamp-g-698-2-lmp

  - Comments from Toronto

  draft-dharini-netmod-g-698-2-yang

  - Comments from Benrd on Yang Models
    - Updated the description to reflect the comments on SNMP draft

Next Steps

- Realign the Parameters to new ITU-T Rec.
- Continue the discussion on draft-dharini-netmod-g-698-2-yang in the netconf/netmode WG (Yang doctor visit in progress)
- Keep the interactions to ITU-T alive to realign the draft to new Recommendation editions
- Add Flex Spectrum parameters / MIB
  - What about: draft-vergara-ccamp-flexigrid-yang ?
- Promote the draft to WG documents