

SNMP MIBs to manage G.698.2 parameters

draft-galikunze-ccamp-g-698-2-snmp-mib-07.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 giving us the Lambda definition
- ITU-T G.872 and G.874.1 are considered as additional reference

GOAL 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 (or simple browsers) to access the optical parameters
- Give a common simple way to share information on optical parameters across the vendors and operators

Contents of the drafts

The two drafts are an extension of the RFC3591 to support the set of ITU-T G.698.2 and ITU-T G.694.1 parameters.

Based on ccamp/ITU-T meeting in Orlando on optical impairments and their modelling, we decided to focus the drafts:

- draft-galikunze-ccamp-g-698-2-snmp-mib-03.txt
To define the MIB of: application code, Transceiver power and frequency (or bandwidth)
- draft-galikunze-ccamp-opt-imp-snmp-mib-00.txt
To define the MIB of: all the optical parameters defined in G.698.2 and some performance monitoring with the exclusion of the parameters already supported by the previous draft.

The two drafts are complementary and, together, cover the draft-galikunze-ccamp-g-698-2-snmp-mib-02.txt MIB.

Changes from last meeting

- Modified:

draft-galikunze-ccamp-g-698-2-snmp-mib-06.txt

- application code, Power. Frequency are the only parameters listed

draft-galikunze-ccamp-g-698-2-snmp-mib-07.txt

- Changed the based on the ITU-T liason
- Posted a new draft version with:
 - new definition in line with G.872 and G.874.1
 - Some modification based on discussion and feedbacks with Deborah and ITU repr. (Malcom)

Next Steps

- Refine the parameter contents / extension and SNMP MIB structure upon further comments
- Realign the Parameters to new ITU-T Rec.
- Promote the draft to WG document :
 draft-galikunze-ccamp-g-698-2-snmp-mib-08.txt
- Keep the interactions to ITU-T alive to realign the draft to new Recommendation editions
- Add Flex Spectrum parameters / MIB