Models to manage G.698.2 parameters

draft-galikunze-ccamp-g-698-2-snmp-mib-11.txt

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Current version of the draft - 11

- Current version of the MIB is 11 not 10
- Some changes got lost in version 10
- Authors decided to re-submit the document including all the changes and comments from the past meetings
- Authors want to win the the highest draft number challenge , ;-)

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
- Provide a standard to operate and manage optical interface parameters defined by ITU-T G.698.2 in a way to retrieve/set the ITU-T application code, the power and the frequency.

Provide a standard to operate and manage optical interface parameters defined by ITU-T G.698.2 in a way to retrieve/set the ITU-T application code, the power and the frequency.

- 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

Allow Client and DWDM equipment to exchange information on

Contents of the drafts

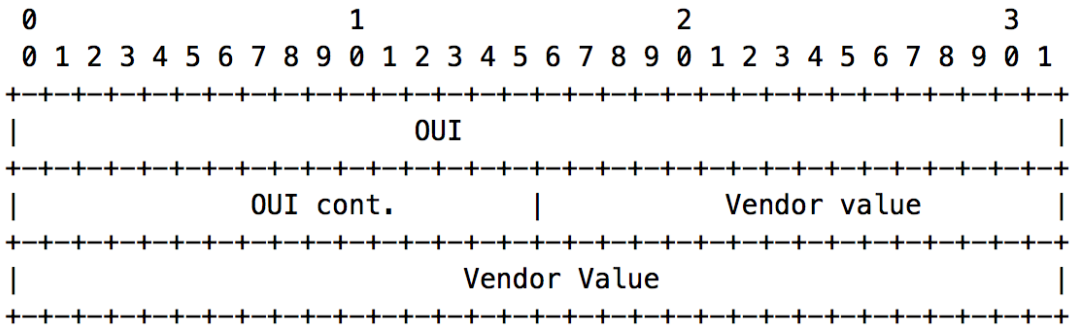
- Central frequency (see G.694.1 Table 1)
- Single-channel application identifiers (see G.698.2)
- Number of Single-channel application identifiers Supported
- Current Laser Output power
- Current Laser Input power
- Introducing theVendor Specific Application Identifier

New Application Identifier Type added

- to extend the number of supported applications authors introduced a new Application Identifier Type

A.I. type = PROPRIETARY, the first 6 Octets of the Application Identifier (PrintableString) must contain the Hexadecimal representation of an OUI (organizationally unique identifier) assigned to the vendor whose implementation generated the Application Identifier; the remaining octets of the field are not specified.

A.I. Type
Vendor specific



Changes from last meeting

- draft-galikunze-ccamp-g-698-2-snmp-mib
- Microsoft New co-author!
- Comments from Honolulu
- Added Vendor Specific Application Identifier
- Added text to describe the usage of the application code

Next Steps

- Realign the Parameters to new ITU-T Rec.
- Keep the interactions to ITU-T alive to realign the draft to new Recommendation editions
- Add Flex Spectrum parameters / MIB
- Promote draft for working group adoption