

Models to manage G.698.2 parameters

draft-dharini-netmod-g-698-2-yang-03.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 draft:

- 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

draft-dharini-netmod-g-698-2-yang-03.txt

- ITU-T G.698.2 and
- ITU-T G.694.1
- Central frequency (see G.694.1 Table 1)
- Single-channel application identifiers (see G.698.2)
- Number and List of Supported Single-channel application identifiers
- Current Laser Output power
- Current Laser Input power
- Vendor Specific Application Code

Changes from last meeting

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

Comments from Carl on Yang Models

Added new co-author (Luyuan and Gary) !

Updated the description to insert the new Vendor Specific Application Code

```
leaf applicationCodeType {
  description
    "Type for the Application code
    0 - Standard, 1 - Proprietary
    When the Type is Proprietary, then the
    first 6 octets of the applicationCode
    will be the OUI (organizationally unique
    identifier)";
  type uint8 {
    range "0..1";
  }
}
```

Added text to describe the usage of the application code

Next Steps

- Sanitize the Yang models
- 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 needed)
- 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