GMPLS OSPF-TE Extensions in support of Flexible Grid DWDM Networks

CCAMP WG, IETF 94th , Yokohama

draft-ietf-ccamp-flexible-grid-ospf-ext-03.txt

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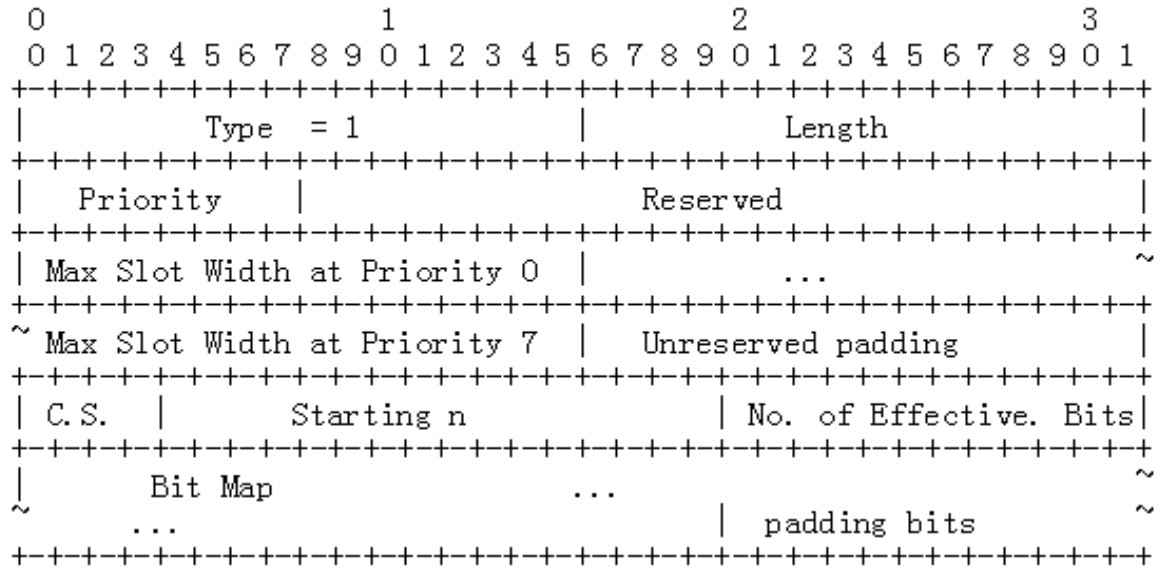
Major Changes from Version 2

- Reduced the SCSI (Switching Capability Specific Information) from three methods to one;
  - Removed the label list and range option to reflect the consensus obtained after mailing list poll;
  - Used the following format to specify available frequency spectrum information;



Flexi-grid SCSI Examples(1)

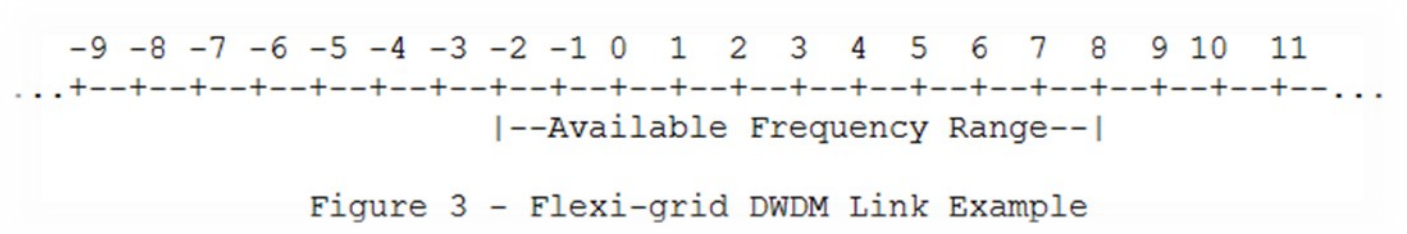
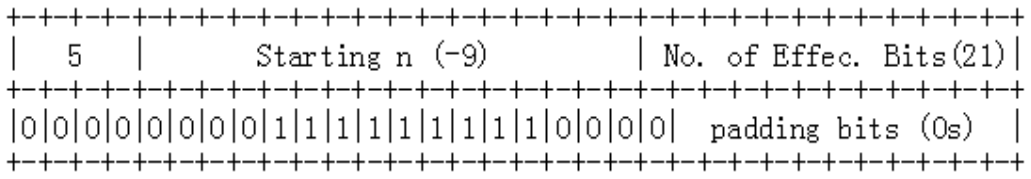


Figure 3 - Flexi-grid DWDM Link Example

- Starting from the lowest available central frequencies:
  - n = -2 cannot be used as a central frequency for any flexi-grid LSP setup => bitmap set to 0;
  - n = -1 is possible to be used as a central frequency for LSP setup (m = 1) => bitmap set to 1, which means frequency spectrum at both sides are available;



Flexi-grid SCSI Examples(2)

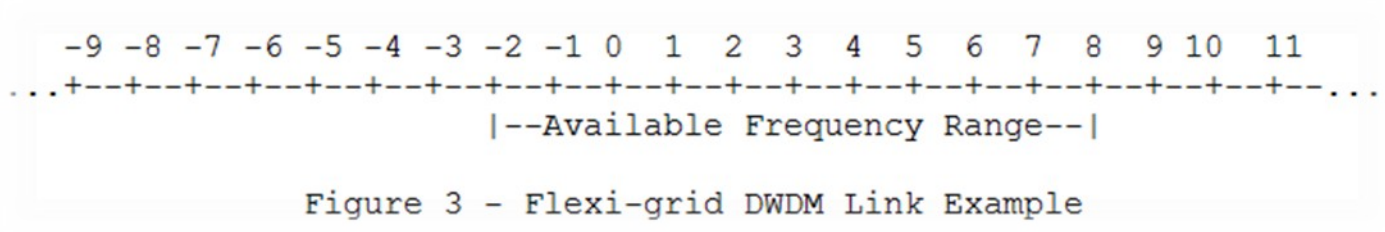
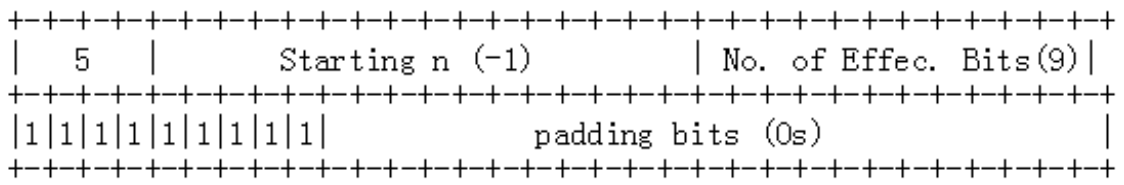
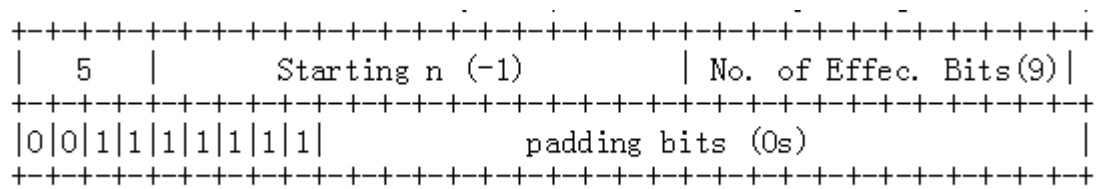


Figure 3 - Flexi-grid DWDM Link Example

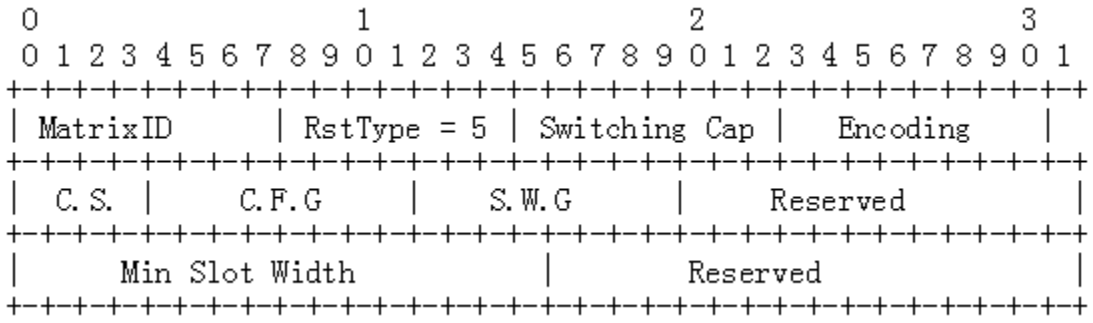


- Updated if a LSP with m=1 is set up using n=-1;



Other Changes from Version 2

- Added Channel Spacing (C.S.) to the Port Label Restriction sub-TLV;



- Updated the IANA section;
- Expanded the security sections;
- Editorial changes;

Next Step

- No pending issue;
- Request for WG Last Call