

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

CCAMP WG, IETF 87th, Berlin, Germany

draft-zhang-ccamp-flexible-grid-ospf-ext-02.txt

Authors/Contributors:

Fatai Zhang (zhangfatai@huawei.com)

Xian Zhang (zhang.xian@huawei.com)

Ramon Casellas (ramon.casellas@cttc.es)

O. Gonzalez de Dios (ogondio@tid.es)

D. Ceccarelli (daniele.ceccarelli@ericsson.com)

Adrian Farrel (adrian@olddog.co.uk)

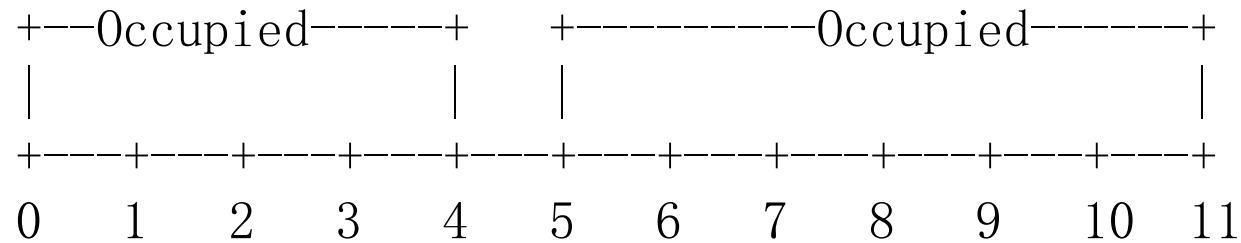
Lei Wang (wang.lei131@zte.com.cn)

Guoying Zhang (zhangguoying@catr.cn)

Changes from Version 01

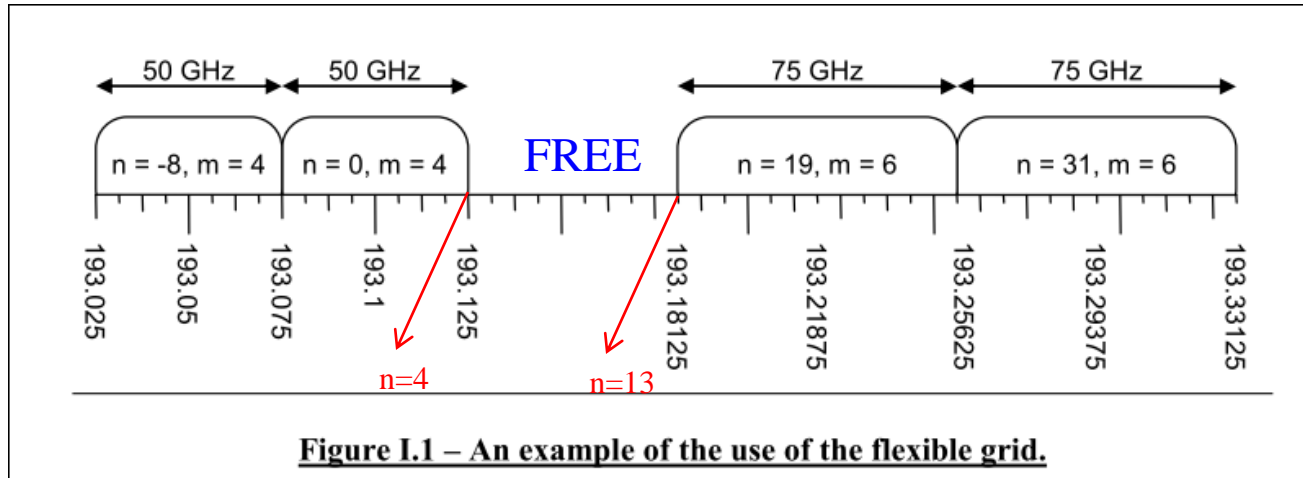
- Refined to make it consistent with
 - Flexi-grid Framework <draft-ogrcetal-ccamp-flexi-grid-fwk-03>
 - Label Format <draft-farrkingel-ccamp-flexigrid-lambda-label-06>
- Removed texts duplicated
 - Terminology refers to Flexi-grid Framework
 - The TLV formats already defined in existing WSON WG drafts (keeping aligned with the WSON advertisement paradigm)

Discussion 1: Advertise Available Resource?



- Advertise the available slot or not?
 - Not usable
 - But might be useful for triggering re-optimization

Discussion 2: Available Resource Format?



Source:
G.694.1 Appendix I

Option 1

Inclusive Range	n	m
Start Label	5	N/A
End Label	12	N/A

Option 2

Bitmap	n	m
Base Label	5	N/A
Bitmap	111111110000...	

(padded out to a full multiple of 32 bits)

Option 3?

Inclusive Label Lists (Option 1)	n	m
Label 1	5	N/A
....		
Label 9	12	N/A

Inclusive Label Lists (Option 2)	n	m
Label	8.5?	4.5?

Note: assume 0.5 is supported in LABEL object)

Next Step

- What are the working group plans to deal with the set of flexi-grid drafts?
- Refine it according to the feedback from the meeting or mailing list