

# Flexible Grid Control Protocol Extensions Drafts

CCAMP WG, IETF 92nd, Dallas, TX

draft-ietf-ccamp-flexigrid-lambda-label-03.txt  
draft-ietf-ccamp-flexible-grid-rsvp-te-ext-02.txt  
draft-ietf-ccamp-flexible-grid-ospf-ext-01.txt

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# draft-ietf-ccamp-flexible-grid-lambda-label-03

- Content: define lambda label format for flexi-grid network control
- WG adoption in June, 2014
- Status and Next Step:
  - Stable
  - WG last call after FWK draft WG LC completion??

# draft-ietf-ccamp-flexible-grid-rsvp-te-ext-02

- Content: define signaling protocol extensions and procedures
- WG adoption in June, 2014
- Changes since last IETF
  - Add one paragraph, following the update in [flex-grid label]
- Status and Next Step:
  - Stable
  - WG last call after FWK draft WG LC completion??

# draft-ietf-ccamp-flexible-grid-ospf-ext-01

- Content: define routing protocol extensions and procedures
  - New type (=Flexi-Grid-LSC) introduced in ISCD
  - Advertisement of available frequency spectrum resources
- Status:
  - WG adoption in June 2014
- Open Issue:
  - Per-priority Min/Max LSP Bandwidth (See next page)
- Next Step:
  - Will update after discussion on IETF92
  - Request for WG Last Call before IETF93

# Open Issue for OSPF draft

- Open Issue:

- Per-priority Min/Max LSP Bandwidth (to align with RFC4202/4203)
  - On an interface having Standard SDH multiplexing, an LSP at priority p could reserve any bandwidth allowed by the branch of the SDH hierarchy, with the leaf and the root of the branch being defined by the Minimum LSP Bandwidth and the Maximum LSP Bandwidth at priority p.
  - This is for TDM, NOT for WDM;
  - Not clear if “Min and (Max per priority)” or “(Min and Max per priority)”, first preferred, due to:
  - No corresponding in the encoding session in RFC4203;
- RFC4202/3 don't have per-priority LSP Minimum Bandwidth
  - Will NOT have to define per-priority LSP Minimum Bandwidth
- Will define per-priority LSP Maximum Bandwidth in format of:
  - Option 1: Use existing fields in ISCD
  - Option 2: Add max LSP bandwidth field in available labels field (use reserved field) – preferred

0									1									2									3								
0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1				
MatrixID									RstType = TBA									Reserved																	
C.F.G									S.W.G									Min Width									Reserved								
Max Width																		Reserved																	