



Special Purpose Label terminology

draft-andersson-mpls-spl-terminology-01

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What problem?

- When we wrote RFC 7274 (Allocating and Retiring Special-Purpose MPLS Labels) we thought that the terminology and naming of IANA registries were clear and sufficient.
- We have found that there was some confusion among users of the terminology
 - This draft aims to resolve the confusion
 - The intention is to give us a terminology so we can specify and describe how we use Special Purpose Labels

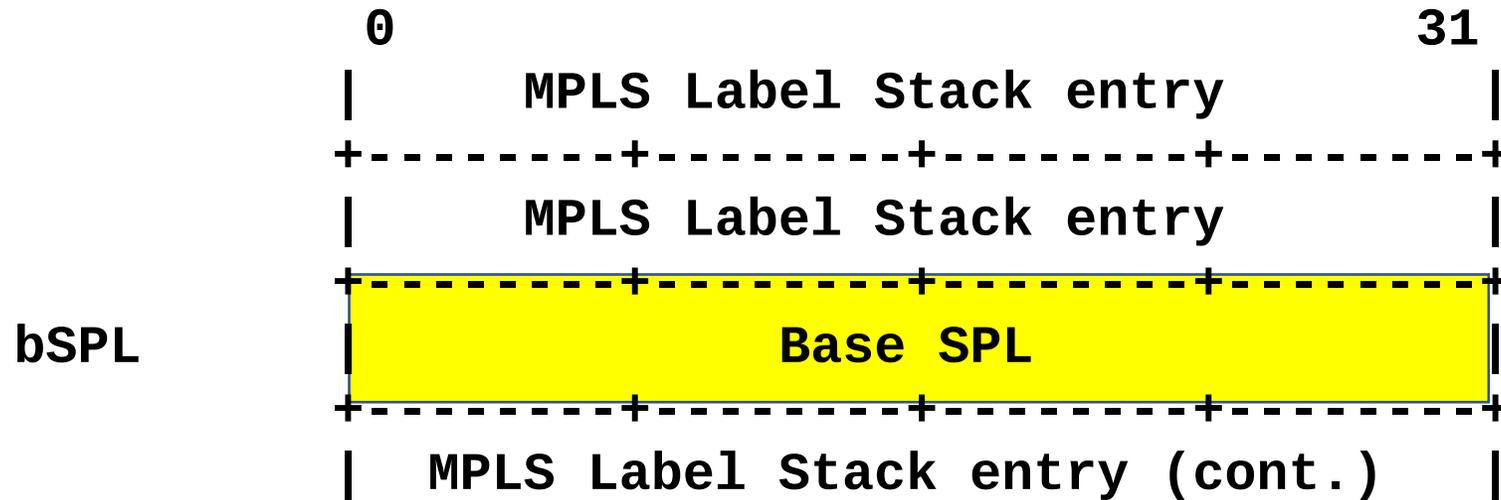
Changes to the IANA registry

- There are two registries maintained by IANA on the same web page
 - Special-Purpose MPLS Label Values
 - Extended Special-Purpose MPLS Label Values
- Confusion arises when people say...
 - “Special-Purpose Multiprotocol Label Switching Label Values”
 - Which registry do they mean?
- Make this clearer by updating the registry names to
 - Base Special-Purpose MPLS Label Values
 - Extended Special-Purpose MPLS Label Values

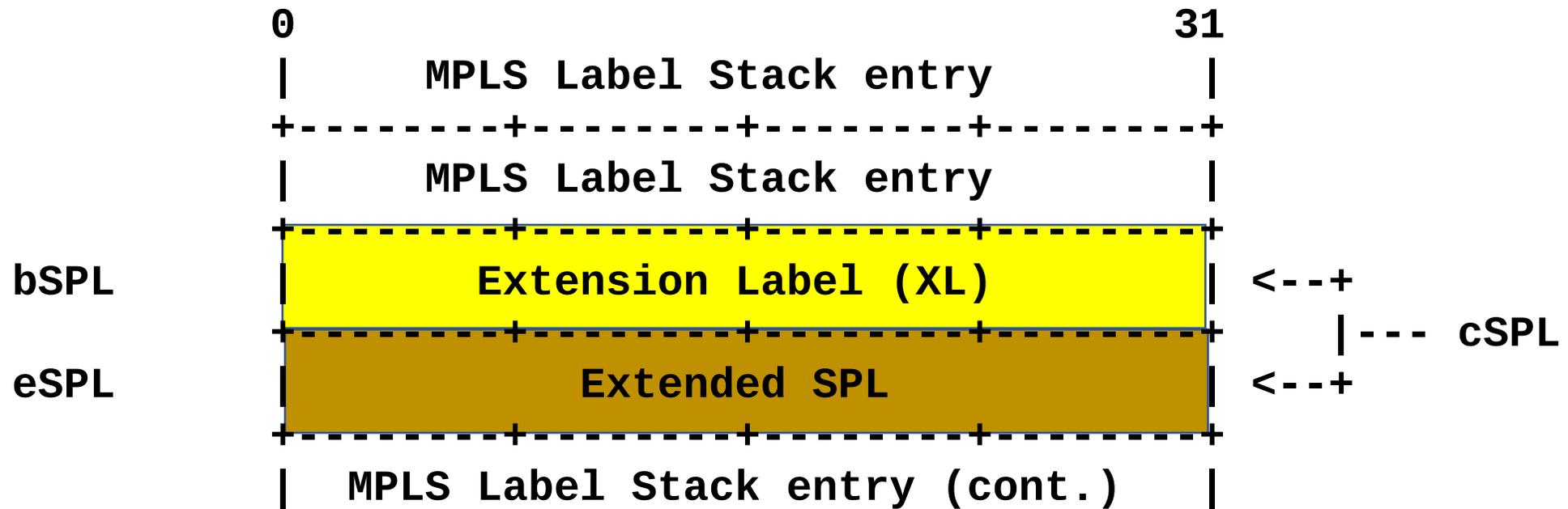
Terminology

- SPL – Any special-purpose label
- bSPL – base SPL (range 0-15)
 - XL – extension label (15)
- eSPL - extended SPLs
 - range 0 – 1048675
 - 0-15 reserved
 - 16-239 available for allocation
 - 240-255 experimental use
 - 256-1048575 reserved
- cSPL – composite SPL {XL, eSPL}

Naming practice – one base SPL



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Next Steps and Plans

- Comments, discussion, and working group adoption