



Considerations about mVPN standardization

[draft-morin-l3vpn-mvpn-considerations-01](#)

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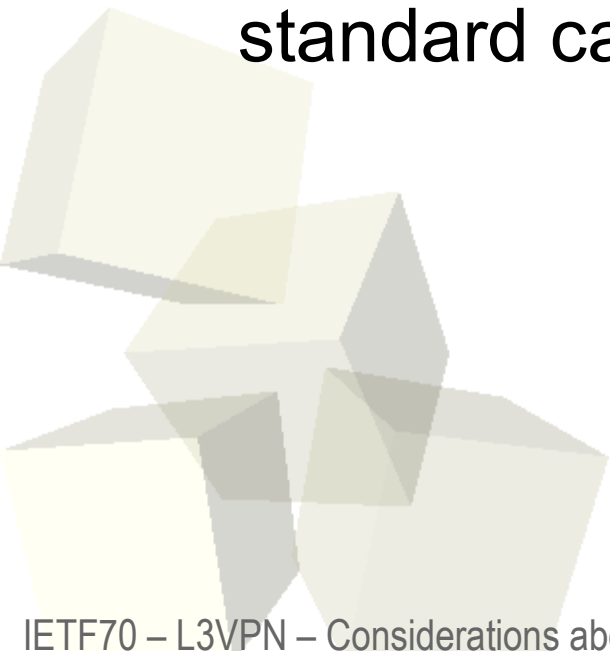
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- Draft -00 proposed in March in Prague
 - ♦ initiative of multiple operators
- Goal of the draft:
 - ♦ discuss the different options proposed in draft-ietf-l3vpn-2547bis-mcast in the lights of requirements formulated in RF4834
 - ♦ identify the better candidates for a core set of mandatory mVPN procedures, to produce a good standard candidate





Changes in last update 1/1

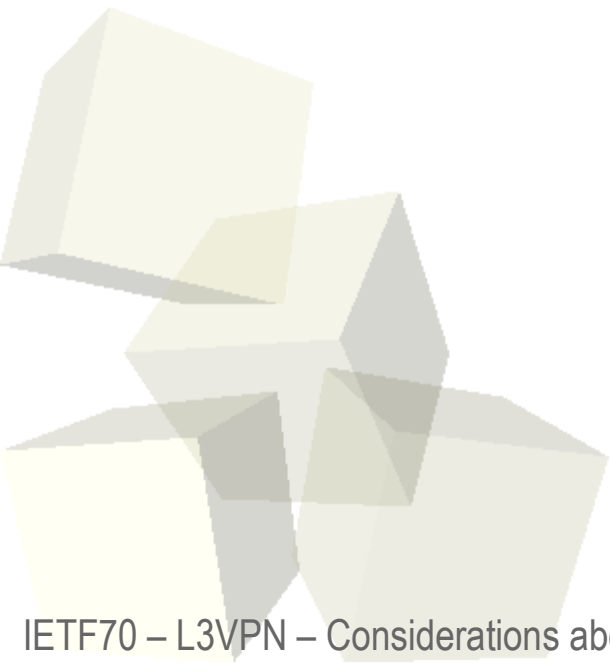
- Changes since last time...
- Added some content about Inter-AS segmented and non-segmented models:
 - ♦ all implementations should support the “segmented” model
 - deployment flexibility
 - scalability
 - ♦ “non-segmented” model should be considered for specific scenarios
- Added a section about RP colocation in a PE VRF
 - ♦ implementations should support a co-located RP model
 - ♦ **but** support for a co-located RP model within an implementation should not restrict deployments to using a co-located RP model
 - not impacting a possibly existing customer engineering
 - security : avoid introducing an attack vector on the PE shared platform



Changes in last update 2/2

■ Other changes

- ♦ Added a “Summary of recommendation” section
- ♦ Editorial comments





- Plan to refine the following subjects, based on contributions received:
 - refine text about S-PMSI, for the Inter-AS context
 - refine comparison of segmented/non-segmented inter-AS models (depending of unicast Option B or C)
 - security- or OAM- related issues that can differentiate the different proposed options
- More...
 - contributions welcome on current topics
- Expanding the scope of the document to cover new aspects is not planned
 - draft-l3vpn-2547bis-mcast expected to cover most issues
 - focus on questions helping draft-l3vpn-2547bis-mcast progress further



- draft-l3vpn-2547bis-mcast lacks a core set of mandatory procedures
 - ♦ cannot be useful as a standard, as is
- Need for a place to discuss and document what can be this set of mandatory procedures
 - ♦ for most building blocks, we believe that a “one size fits all” solution can be identified
- Contributions to this draft are welcome
- Adoption as a WG doc ?

Thanks !