

Requirements for Multicast in L3 PPVPNs

draft-ietf-l3vpn-ppvvpn-mcast-reqts-00

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Context and Status

- Context
 - Multicast in VPNs
 - Many solution drafts...
 - A need for clear requirements, to be used as guidelines
- First draft presented at IETF 61th, now an I3vpn WG document
 - Mailing list discussions since November'04
 - Integration of new contributions
 - Yuji Kamite, NTT Communication Corp.
 - Christian Jacquenet, France Telecom
 - Many comments by other reviewers (see Acknowledgements)

Evolutions [1/2]

- 6 pages more...
 - Many updated sections, some new ones
 - Rephrasing
 - Many areas of the document are now quite stable
- Noteworthy evolutions in Customer side requirements
 - Security
 - QoS
 - “Extranet”
 - Internet multicast
 - RP Engineering
 - Fragmentation issues
 - Carriers' Carrier

Evolutions [2/2]

- Noteworthy evolutions in Service Provider's side requirements
 - Control Mechanisms
 - Security
 - Tunneling requirement
 - TE
 - OAM
- Others
 - Terminology section (“MDTunnels”)

What's next ?

- Use cases
 - Work started...
 - Need for data
 - Qualitative : what kind of applications
 - Quantitative : scalability / orders of magnitude
 - Current and future expected deployments
- Support for Carrier's Carrier model
- Keep improving the existing content
- Still some open questions...

Conclusion

- Requirements starts to mature : maybe solution drafts will now reference them ?
- Use cases are important : let's survey !
- Your comments are welcome :
 - Do you agree/disagree on expressed requirements ?
 - Which area need better coverage ?
 - etc.

Please send your comments on I3vpn WG mailing list

- **Questions ?**