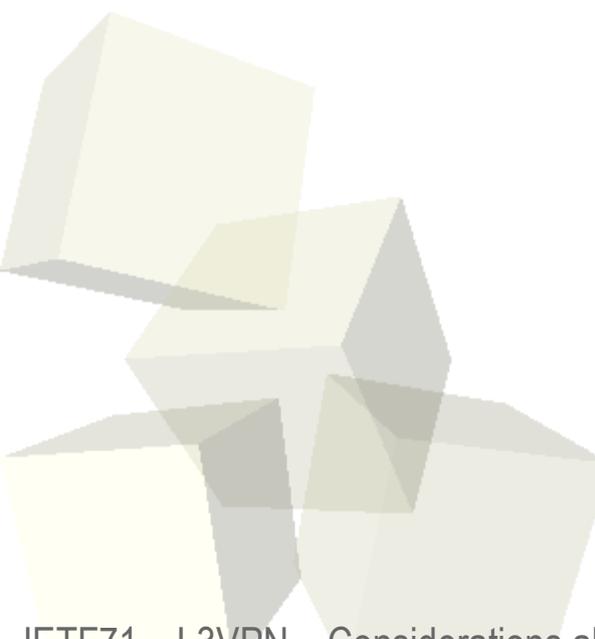




Considerations about mVPN standardization

[draft-morin-l3vpn-mvpn-considerations-02](#)

Thomas Morin - FT Orange
Benjamin Niven-Jenkins - BT
Nicolai Leymann - DT
Yuji Kamite - NTT
Raymond Zang - BT





- **Goals 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
- **Draft -00 submitted one year ago for Prague**
- **Draft -01 submitted in October**
 - ◆ Vancouver showed good support from the working group to adopt as a WG item
 - ◆ some comments on the mailing list
 - extensive discussion in December/January
- **Draft -02 submitted for this meeting**



Changes in last update 1/1

- Goal of this update was to cover the comments made since -01
 - ◆ in each case we tried to improve the content of the document and address all the issues raised
 - ◆ some comments were less relevant, or where beyond the scope of the document => was explained on the mailing list
- Overview of changes
 - ◆ new subjects are tackled, notably to help distinguish the PIM-based and the BGP-based approaches for C-multicast routing
 - ◆ new arguments were incorporated into the discussions on issues already partially covered
 - ◆ document structure was modified to improve readability, and being systematic in the comparisons



Changes in last update 2/2

■ New subjects

- ♦ impact of the customer multicast routing dynamic nature on the different approaches for C-multicast routing
- ♦ impact on the group-join-latency of the different approaches for C-multicast routing
- ♦ implication on hardware of aggregation of multiple VPNs inside a tunnel

■ Improved content for...

- ♦ implications of the different C-multicast routing approaches on the control plane processing load, in higher scale scenarios
- ♦ improved wording wrt. to RP outsourcing
 - clear up confusion : OPTIONAL feature, MUST not be required to activate
 - distinguish between RP function : PIM RP procedures, MSDP/anycast RP procedures

■ Many editorial changes





- Lengthy comments recently made by Eric Rosen
 - ◆ 3 days ago => will be addressed, but not today
- Yet, some early comments
 - ◆ Some valid points
 - the document may deserve being more focused, some arguments are of lesser interest to the key discussion
 - technical explanations can be improved
 - ◆ Some misleading points (we feel)
 - very debatable at the minimum
 - will be discussed on the mailing list
 - ◆ Some surprises...
 - new comments on previous content, why not earlier ?
 - some comments are repetitions of comments made in December, which we had addressed on the mailing list asking for clarification (without success)
 - Eric seem to go back and challenge conclusion he seemed to agree to 3 month ago
 - **Volume / delay effect ?**



- Keep the goal in mind
 - ◆ draft-l3vpn-2547bis-mcast needs a core set of mandatory procedures
- Next revision (and mailing list discussion) will address the comments made and their implications
 - ◆ Contributions are welcome !
- Next revision for adoption as WG doc ?

Thank you !