

RFC 4601 Revision

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Motivation

- Advance PIM specification to Draft Standard
 - Address Errata
 - Remove optional features that lack:
 - Interoperable implementations
 - Successful deployment experiences

Presented in Prague Meeting

- All errata had been reviewed
 - No real technical issues
 - Clarifications, editorial, keyword changes needed
- Candidate feature-to-be-removed discussed and narrowed down to:
 - (*, *, RP)
 - Group-to-RP mapping
- Milestones
 - Draft -00 end of April, addresses errata
 - Draft -0x before Quebec meeting, removes certain features

Current Status

- Errata addressed in draft-parekh-pim-rfc4601bis-00
- Features removed in -01:
 - (*, *, RP)
 - Positive response and no objection on mailing list
 - PMBR related sections and appendices
 - (*, *, RP) is the foundation for PMBR
- Group-to-RP mapping kept:
 - Was going to remove, and refer to RFC 6226
 - That would cause a down-ref problem
 - Draft Standard referring to a Proposed Standard

No more PMBR functionality?

- Somewhat drastic even to us
 - No more mentioning of border router at all
- Is really justified after some pondering:
 - No major vendors implemented (*,*,RP), which is the foundation of PMBR as described in RFC 4601 and RFC 2715
 - Only documented (RFC 4602) implementation is XORP (open source)
 - Deployment experience?
 - MSDP is typically used for inter-sparse-domain
 - Some proprietary mechanisms for downstream dense domains
 - Instead of relying on (*,*,RP) & PMBR

Other minor changes in -01

- Some keywords
- Removed a redundant “CouldAssert” condition in (S,G) assert state machine
 - In case of “receiving inferior assert at NI”
- “Cancels the (S,G) Assert Timer” -> “Expires ...”
 - Summary of Assert Rules and Rationale, #6
- Do not attempt to aid SSM-unaware legacy routers
 - Section 4.8.1, SSM rules
- Appendix B (Index) removed

Next Steps

- WG adoption?
- Survey, review & feedback, especially on features to be removed:
 - (*,*,RP) & PMBR ok?
 - Any others?