Multicast Mobility in MI Pv6:
Problem Statement Update

- draft-schmidt-mobopts-mmcastv6-ps-02.txt -

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Scope

- Changes in Version 2
- Status of the Draft
- Discussion: Quo Vadis?
Changes in Version 02

- Clarification on ASM Shared Tree Problem
  - Explicit distinction of Intra- and Interdomain
  - Inclusion of Bi-Directional PIM

- Further Solutions Added
  - Hybrid proxy gateway architecture
  - Mobile Hop-by-Hop Protocol
  - Extended Bibliography

- Editorial Improvements
Status of the Draft

- Several thorough reviews on version 00 and 01
- Version 02:
  - Fairly comprehensive problem description
  - Brief sections on deployment issues & multicast tree characteristics
  - Fairly large collection of solutions & bibliography (except for BGP issues)
- First reviews on version 02 (Almeroth, Romdhani, Huang):
  - Request to elaborate on deployment issues
  - Request to strengthen a path on major steps towards deployable minimal solutions
  - Suggestion to concentrate on intra-domain multicast on wireless
  - Editorial issues
Open Questions: Problem Section

- Extend deployment issue section?
  - Separate inter- and intra-domain problems?
  - Include multicast over wireless complicacies?
Open Questions: Solution Space

- Add problem conclusions to a “Minimal Path to Solution” for early deployment?
  - Identify & concentrate on area of reduced complexity?
  - Other specific ideas?
Open Questions: Solution Space

- Add further proposals?
  - Include BGP-based protocol proposals?
  - Collect more solutions of “minor” variation?
Open Questions: General Focus

- Include Further Work on Problem and Protocol Analysis?
- Add Nemo Aspects?
- Add Application Specific Issues (beyond generals already mentioned)?
  - SDP/SAP/IMG issues
  - SIP/RTP issues
  - Multicast Membership Control issues
Quo Vadis?

- Shall we adopt this draft as a workgroup document?
Multicast Mobility at IETF


draft-jelger-mssmv6-00.txt - 2002

draft-oneill-mip-multicast-01.txt - 2003

draft-suh-mipshop-fmcast-mip6-00 - 2004

draft-janneteau-nemo-multicast-mldproxy-00.txt - 2004

draft-schmidt-waehlisch-mhmipv6-04.txt - 2005

draft-miloucheva-mldv2-mipv6-00.txt - 2005

draft-zhang-mipshop-multicast-dma-02.txt - 2006

draft-xia-mipshop-fmip-multicast-00.txt - 2006

draft-irtf-sam-problem-statement-01.txt - 2006