

Requirements for the extension of the MLD proxy functionality to support multiple upstream interfaces

<draft-ietf-pim-multiple-upstreams-reqs-01>

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Purpose and Content

Purpose

 To define the functionality that an IGMP/MLD proxy with multiple upstream interfaces should have in order to support different scenarios of applicability in both fixed and mobile networks

Content

- Problem statement
- Scenarios of applicability
- Requirements for these scenarios are identified
- Security considerations

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Document's history and Next Steps

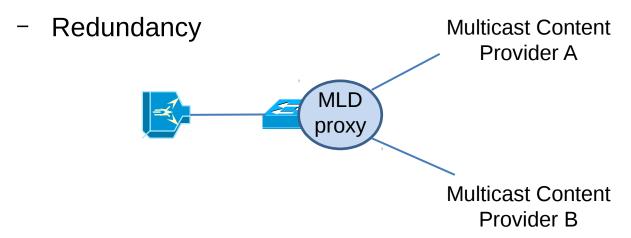
- Adopted after IETF 92nd (Dallas)
 - Problem presented to different WGs before (originated in MULTIMOB)
- Some initial security considerations added in -01
- Next steps:
 - Add mobile network scenarios (those from MULTIMOB) and their associated requirements
 - Collect input and comments from the WG on the use cases and requirements
 - Cover IGMP
 - Goal: publish it as Informational RFC

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Backup Slides

Problem statement

- General application:
 - Sharing of a common network access infrastructure among different multicast content providers
- Advantages
 - Subscribers can get their preferred contents from different multicast content providers without network constraints and without requiring PIM routing on the access / aggregation device



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