



I E T F®

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

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

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
 - Redundancy

