

draft-ietf-pim-source- discovery-bsr-04

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PFP—SA

- PIM Flooding Protocol – Source Announcements
- Generic protocol for distributing information throughout a PIM domain
 - RPF based flooding, similar to how BSR is done
- Source Announcements based on the above
- DRs announce sources in PFP instead of sending PIM registers

- No RPs or shared trees
- No single point of failure, good redundancy
- Simplification

- You may think of it as SSM plus network source discovery
- Potential replacement for Dense Mode in AD-HOC networks

- Can co-exist with other PIM modes, different mode for different group ranges

Use cases

- AD-HOC multicast networks
 - Works well in dynamic environments
 - No wasted bandwidth
 - Common to use Dense Mode in such networks, but data packets are flooded
 - Dense Mode has many issues and not that many current implementations
 - Swedish Army has tested a prototype and wants to deploy this
 - Several other AD-HOC networks considering the solution
- IPTV
 - Good for high rate streaming, only SPTs, no registers
 - Only a few hundred sources

Status

- A prototype has been successfully tested in the field
- At least a handful of networks are interested in deploying it
- The draft seems complete from the authors' perspective, we need your help to improve it further.
- Might be ready for WGLC, but could need more review.
Volunteers?