

# PIM BSR MIB

## draft-mcwalter-pim-bsr-mib-01.txt

Bharat Joshi  
bharat\_joshi@infosys.com

# Background

- PIM BSR MIB was part of PIM MIB.
- It was moved out of PIM MIB as PIM-SM v2 document was ready to go into IESG queue while PIM BSR document was still evolving.
- David Mcwalter created a new draft “draft-mcwalter-pim-bsr-mib-00.txt”, so that the BSR part of the MIB is not lost.

# Enhancements in version-01

- Created to make the draft live again.
- Couple of object's descriptions which were referring to an incorrect object name are corrected.
- Object "bsrElectedBSRCRPAdvTimer" is moved from Elected-BSR table to Candidate-RP table.
- Two traps has been added.
  - "bsrElectedBSRLostElection" when an Elected BSR lost the election
  - "bsrCandidateBSRWinElection " when a candidate BSR wins the election

# Identified Areas of Improvement

- E-BSR and C-BSR MIB Tables need to be updated with Scope/Zone specific information.
- Couple of objects like C-RP Priority, C-RP hold time, BSR Bootstrap time etc. needs to be added.
- Security Consideration needs to be improved.

# Open Issue

- Zone/scope specific information in E-BSR and C-BSR tables.
  - Scope can be represented by group-prefix in IPv4 and scope bits in IPv6
  - How to create zone indices?
  - How do we take care of zones in IPv4 Scope and IPv6 scope?
  - Use a textual convention for Zone identifier?
    - Something is already available in RFC 4001 [ InetAddressIPv4z, InetAddressIPv6z and InetScopeType ]
  - Will a table which maps Zone-Indices to Scopes i.e. Group Prefixes in IPv4 and scopes in IPv6 will be helpful? If yes, where should this table go? IP MCAST MIB or individual MIBs like BSR MIB etc.

# Next Step

- More reviews in WG.
- Working Group Item?