

# LSVR Interim 2 Update

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# Meeting Meta Info

October 1, 2018 @ 17:00 GMT

~ 180 minutes

10 Attendees, 2 Chairs

- IETF101
- Interim 1 (June 8)
- IETF 102 (July 2018)
- **Interim 2 ← Updates from here**
- IETF 103 (November 2018) ← You are here
- Interim 3
- IETF 104 (March 2019)

# Meeting Overview (Agenda)

Intent: Drive deliverables forward

Link Discovery Deep Dive

- Requirements
- Draft Review

Update on BGP-SPF

- Keyur - BGP Based SPF Draft

Security Requirements/Discussion

# LSOE Requirements

## Review of Requirements

- Simple
- Need Layer 2 Liveness (and Simplicity)
- Need to Discover Nodes and Links
- Need to Discover Encapsulations
- Northbound API

## Other Discussions

- Need Security but not clear on what that means (\*crickets\*)
- Review of other options

# LSOE -02 Draft Review

Review of Draft including -02 Updates (significant)

- Review of the Motivations, etc
- Discussion of Checksum (32bit vs 64bit vs 128bit)
- Major Changes around Inter-Link Ether Protocol
  - Always expect a new node
- Authentication and Security (more later)
  - Intro to the security “blob”
- Hellos and Keepalives
  - Timescales, etc

# BGP-SPF Draft Review

## Status Update

- Stable state
- Updates made from comments
- Ready for implementation work
- Added Manageability Considerations
- Explicit withdrawals addition

# Security Musings

What to do about Security?

- Security is important
- But what is the threat model?
- Discussion of security hooks that could be used
  - The “blob” and information draft
  - “Blob” could use TLVs to provide identity, authentication, etc
  - Different layers of trust