Changes to OSPF Database Exchange Terminology

- Replace “Master/Slave” with Leader Follower
- Replace “MS Bit” in Database Exchange Packet with “L Bit”
  - Requires IANA Action for “Database Description (DD) Packet Flags” registry
RFC 2328 - OSPFv2

- Comprises Majority of Sections Changes
- 7.2 "The Synchronization of Databases",
- 10 "The Neighbor Data Structures"
  - 10.1 "Neighbor states"
  - 10.2 "Events causing neighbor state changes"
  - 10.6 "Receiving Database Description Packets"
  - 10.8 "Sending Database Description Packets"
  - 10.10 "An Example",
- A.3.3 "The Database Description packet"
RFC 5340 – OSPFv3

• Section A.3.3 – “The Database Description Packet”
Other OSPF RFCs (1/2)

- RFC 4222 (BCP) - "Prioritized Treatment of Specific OSPF Version 2 Packets and Congestion" – One example reference.
- RFC 4811 (Experimental) - "OSPF Out-of-Band Link State Database (LSDB) Resynchronization" – Database Description Packet (Section 2.4) figure and annotation.
- RFC 5243 – “OSPF Database Exchange Summary List Optimization” – Reference in Introduction (Section 1) and Example (Section 3).
Other OSPF RFCs (2/2)

- RFC 5614 (Experimental) "Mobile Ad Hoc Network (MANET) Extension of OSPF Using Connected Dominating Set (CDS) Flooding" – Changes to Neighbor State Machine (Section 7.2) and Receiving Database Description Packets (Section 7.5).

- RFC 5838 (Standards Track) "Support of Address Families in OSPFv3" – MTU Non-IPv6 AF Discussion (Section 2.7) - Change to Database Description Packet flags field.
Next Steps

- Possible discussion on OSPF terminology change:
  - Authors agree that “Leader/Follower” is the natural choice in the context of an OSPF Database Exchange.
  - Please refrain from making alternative suggestions without valid arguments for change.

- Request WG Adoption

- Draft needed irrespective of any longer horizon BIS work for impacted OSPF drafts.
Thank you