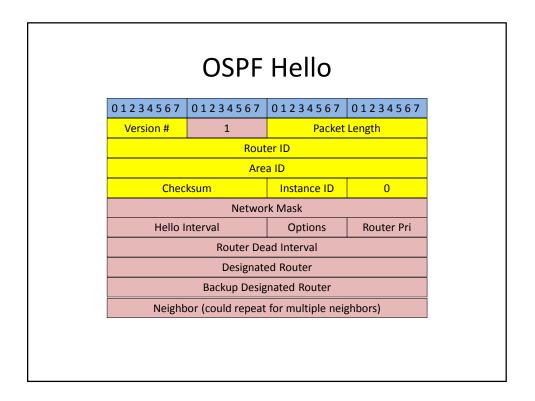
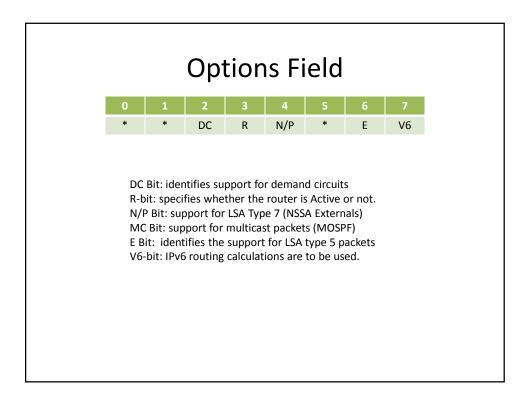
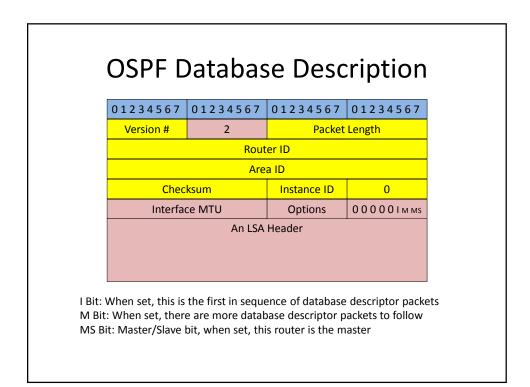
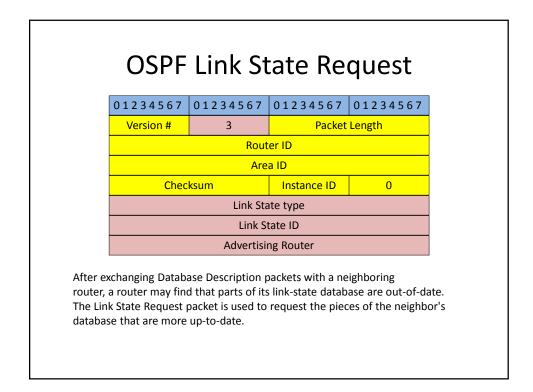
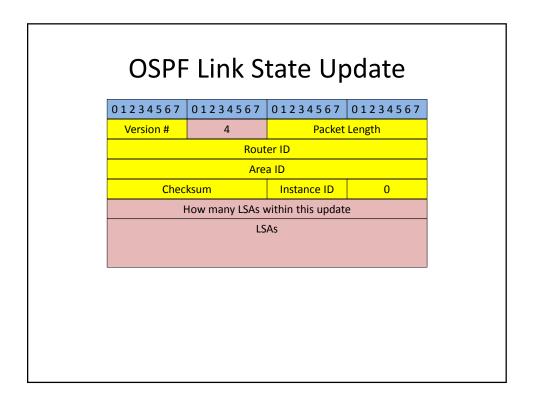
OSPF Packet Header				
01234567	01234567	01234567	01234567	
Version #	Туре	Packet	Length	
Router ID				
	Are	a ID		
Checksum		Instance ID	0	
Τγρ Τγρ	e 2 Database l e 3 Link State e 4 Link State		t	



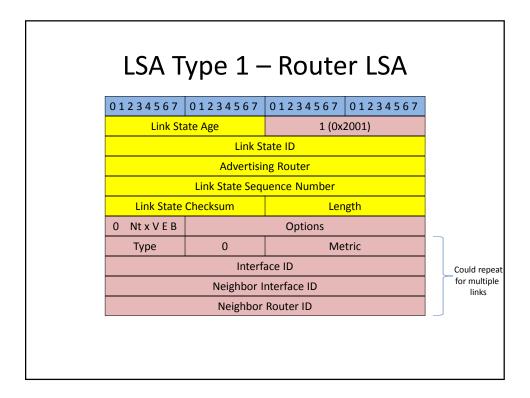








OSPF LSA Header						
01234567	01234567	01234567	01234567			
Link St	Link State Age		LS Type*			
	Link State ID					
	Advertising Router					
	Link State Sequence Number					
Link State	Link State Checksum		Length			
* To keep from confi	using routers, the	e LS Type is the t	ype value + 0x20			



## LSA Type 1 Bits/Fields

- Nt Bit: When set, the router is an NSSA border router and will translate LSA Type -7 to LSA Type-5
- V Bit: When set, the router is an endpoint of one or more fully adjacent virtual links.
- E Bit: When set, the router is an AS boundary router
- B Bit: When set, the router is an area border router
- Type is a brief description of the link
  - 1 Point to point
  - 2 connection to transit network
  - 3 connection to a stub network
  - 4 Virtual link
- Link ID identifies the object that this links connects to
  - 1 Neighbors Router ID
  - 2 IP address of the DR
  - 3 IP Network/Subnetwork number
  - 4 Neighbor Router ID
- # TOS is the number of different Type of Service metrics given (other than the required link metric)

