

MPLS Frame Relay Alliance formed in April 2003

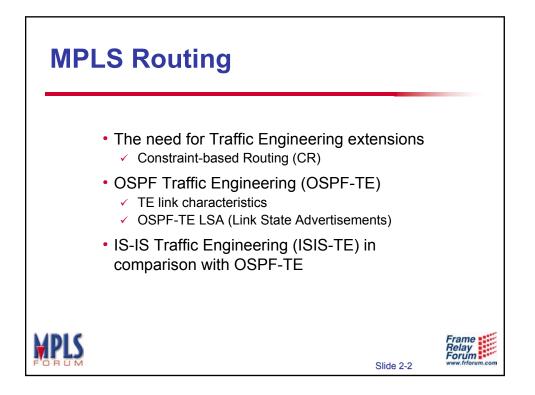


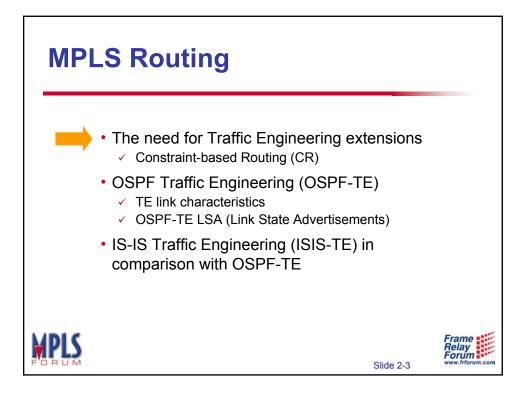
Session 2:

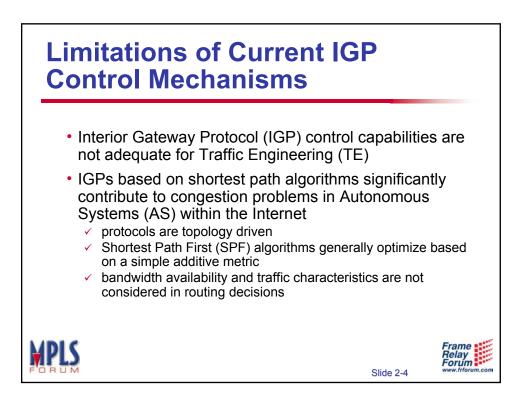
MPLS Traffic Engineering and Constraint-Based Routing (CR)

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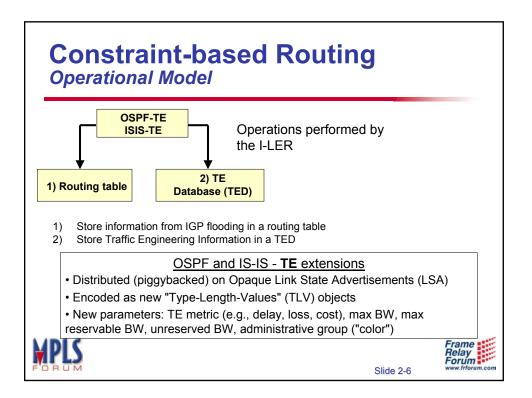
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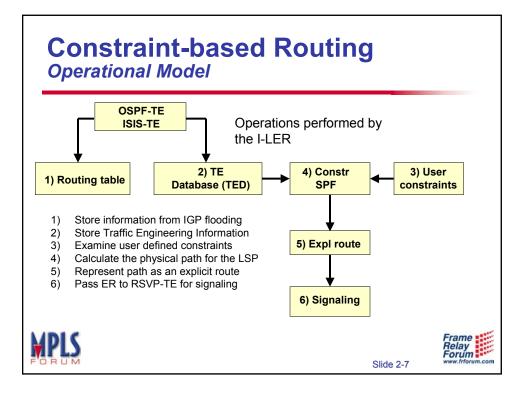


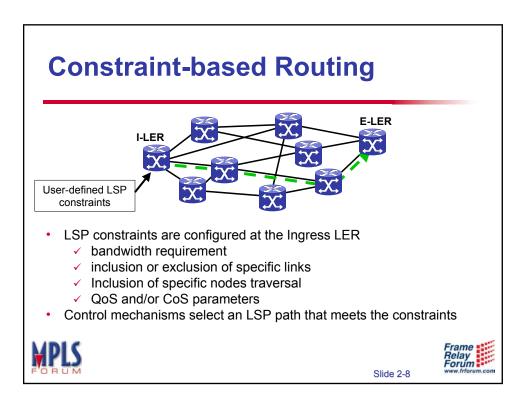


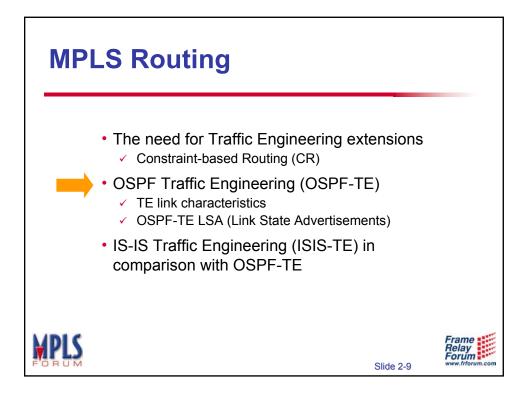


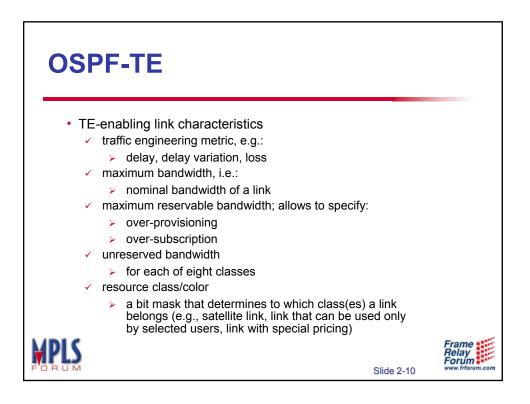


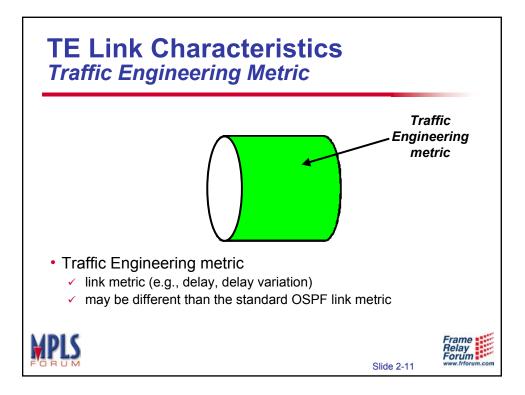


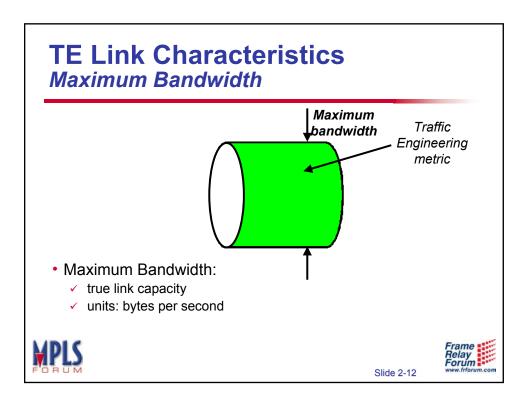


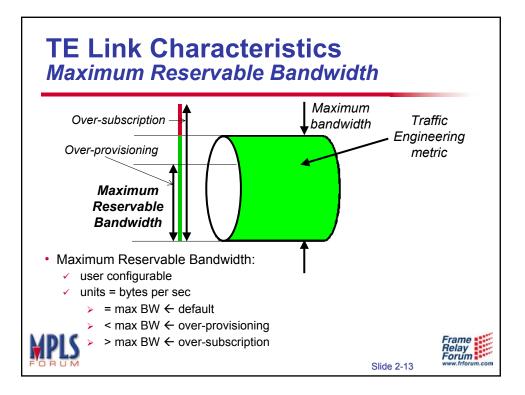


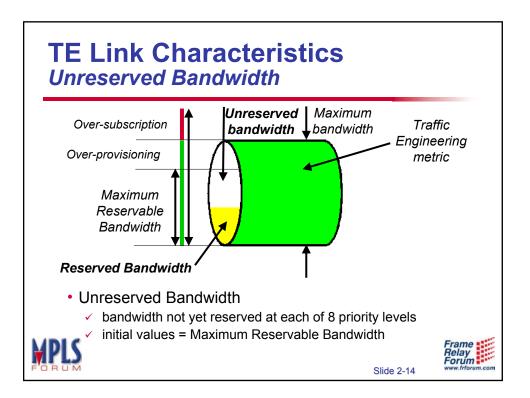


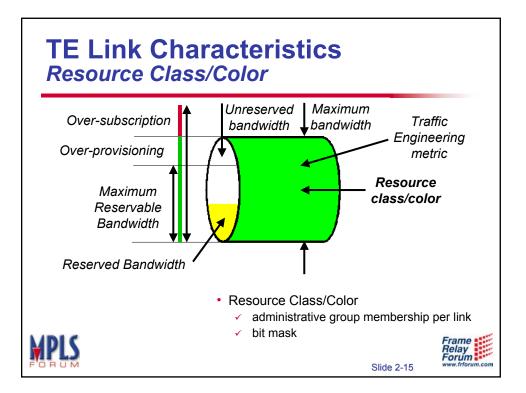


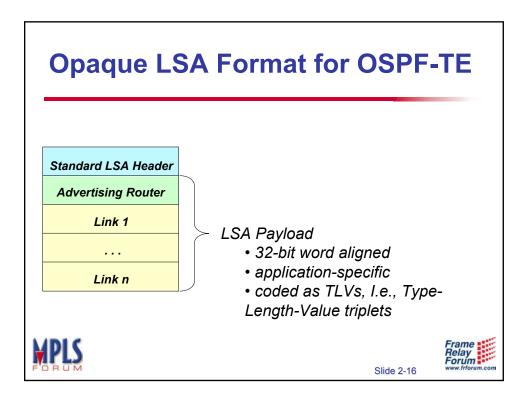


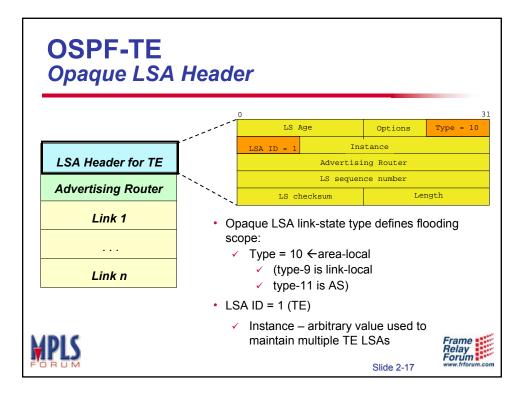


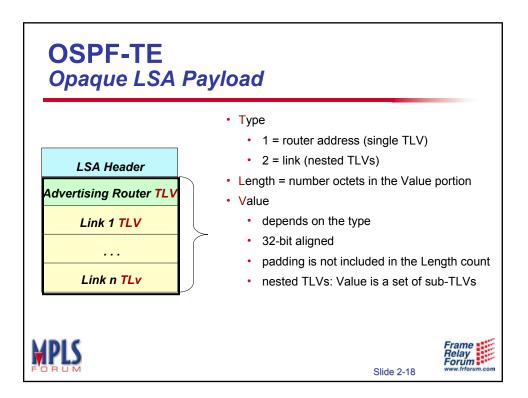






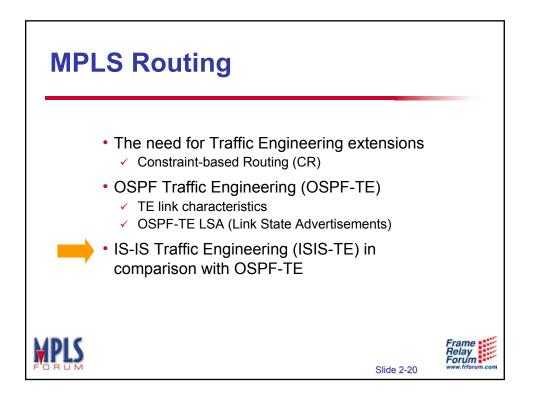






OSPF-TE
Opaque LSA - Link sub-TLVs

Link sub-TLVs	Туре	Length
Link type (point-to-point or multi-access)	1	1 octet
Link ID (in pt-to-pt router ID of a neighbor)	2	4 octets
Local interface IP address (1 to N local addr)	3	4N octets
Remote interface IP address (1 to N rem addr)	4	4N octets
Traffic engineering metric	5	4 octets
Maximum bandwidth	6	4 octets
Maximum reservable bandwidth	7	4 octets
Unreserved bandwidth	8	32 octets
Administrative group ("resource class/color")	9	4 octets
IPLS	Slide	2-19 Frame Relay Forum



ISIS-TE vs. OSPF-TE

TE Extension	OSPF	ISIS
Traffic Engineering metric	1	1
Maximum bandwidth	1	1
Maximum reservable bandwidth	1	1
Unreserved bandwidth	1	1
Resource class/color	1	1

Frame Relay Forum

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