





[illegible]

[illegible]



Pseudowire (PW) over MPLS PSN (Packet Switched Network) Management Information Base (MIB)			RFC 5602	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓
Ethernet Pseudowire (PW) Management Information Base (MIB)			RFC 5603	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓
FAT Pseudowire(PW) Label			RFC 6391	6.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
LZCP/LZPT over VPWS			IPI Proprietary	6.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
Split-horizon for VPLS			IPI Proprietary	6.3.0	×	×	×	×	×	×	×	✓	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	×	×	✓	✓	✓
Hierarchical VPLS			RFC 4762	6.5.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
BGP Auto-discovery for LDP signaled VPLS			RFC 6704	6.6.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
MLAG (Active/Standby) for VPLS			RFC 6718	6.6.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
VPLS: MAC Withdrawal			RFC 4762	6.6.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
VPLS/H-VPLS: MAC Move Protection			IPI Proprietary	6.6.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
Per L2 subinterface mac-limit (port-security) for VPLS/EVPN services			IPI Proprietary	6.6.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
LZVPN-L3VPN stitching			IPI Proprietary	6.6.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
Layer 3 VPN																															
Extranet VPNs with BGP/MPLS IP Virtual Private Networks (VPNs)			RFC 4364	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
OSPF as the Provider Edge/Customer Edge Protocol for BGP/MPLS IP Virtual Private Networks (VPNs)			RFC 4577	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intranet VPNs with BGP/MPLS IP Virtual Private Networks (VPNs)			RFC 4364	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
Static route as the Provider Edge/Customer Edge Protocol for BGP/MPLS IP Virtual Private Networks (VPNs)			RFC 4364	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
BGP/MPLS IP Virtual Private Network (VPN) Extension for IPv6 VPN (6VPE)			RFC 4659	1.0 E02.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
Connecting IPv6 Islands over IPv4 MPLS using IPv6 Provider Edge Routers (6PE)			RFC 4798	1.0 E02.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
Label Disposition for VPNv4 and 6VPE			RFC 4364,RFC 4659	1.0 E02.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
Label Disposition for 6PE			RFC 4798	1.0 E02.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
Inter AS option A support for L3VPN/6VPE/6PE			RFC 4364,RFC 4659,RFC 4798	3.0	✓	✓																									

	IEEE 802.1ag / RFC 6214	6.6.0	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	×	×	×	×
CFM over EVPN VxLAN ELAN Multi Homing(Active/Active)	IEEE 802.1ag - 2007	6.5.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	×	×	×
CFM over xConnect	IEEE 802.1ag - 2007	5.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	
CFM over PB	IEEE 802.1ag - 2007	6.2.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	
CFM using L2 subinterface	IEEE 802.1ag - 2007	6.5.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	
CFM over VPLS	IEEE 802.1ag - 2007	7.0.0	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	✓	✓	✓	✓	✓	×	×	×	×	×	✓	✓	✓	✓	×	
Ethernet Data Plane Loopback (EDPL)	RFC 2544																														
Performance Monitoring																															
Frame Delay and inter frame delay variation measurement using DDM and DMR over Layer 2 Bridge	Y.1731	1.0 E02.4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Frame Delay and inter frame delay variation measurement using DDM (Delay Measurement Message) and DMR (Delay Measurement Reply) over VPWS	Y.1731	1.0 E02.4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Frame Delay and inter frame delay variation measurement using DDM (Delay Measurement Message) and DMR (Delay Measurement Reply) over VPLS	Y.1731	6.5.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Frame Delay and inter frame delay variation measurement using DDM (Delay Measurement Message) and DMR (Delay Measurement Reply) over EVPN MPLS ELINE Single Homing	Y.1731	6.5.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Frame Delay and inter frame delay variation measurement using DDM (Delay Measurement Message) and DMR (Delay Measurement Reply) over EVPN MPLS ELAN Multi Homing(Active/Active)	Y.1731	6.5.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Frame Delay and inter frame delay variation measurement using DDM (Delay Measurement Message) and DMR (Delay Measurement Reply) over EVPN MPLS ELINE Multi Homing(Active/Standby - Port-Active)	Y.1731		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	
Frame Delay and inter frame delay variation measurement using DDM (Delay Measurement Message) and DMR (Delay Measurement Reply) over EVPN MPLS ELINE Multi Homing(Active/Standby - Single-Active)	Y.1731		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	
Frame Delay and inter frame delay variation measurement using DDM (Delay Measurement Message) and DMR (Delay Measurement Reply) over EVPN MPLS ELAN Single Homing	Y.1731	6.5.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Frame Delay and inter frame delay variation measurement using DDM (Delay Measurement Message) and DMR (Delay Measurement Reply) over EVPN MPLS ELAN Multi Homing(Active/Active)	Y.1731	6.5.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Frame Delay and inter frame delay variation measurement using DDM (Delay Measurement Message) and DMR (Delay Measurement Reply) over EVPN VxLAN ELINE Single Homing	Y.1731	6.5.3	×	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	×	×	×	
Frame Delay and inter frame delay variation measurement using DDM (Delay Measurement Message) and DMR (Delay Measurement Reply) over EVPN VxLAN ELAN Single Homing	Y.1731	6.5.3	×	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	×	×	×	
Frame Delay and inter frame delay variation measurement using DDM (Delay Measurement Message) and DMR (Delay Measurement Reply) over EVPN VxLAN ELAN Multi Homing(Active/Active)	Y.1731	6.6.0																													

ipinfusion			Features By Product																													
			Latest version: SP 7.0.0																													
Multiple Sub-ring	ITU-T G.8032v2	1.0 E02.4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	
Sub-ring with virtual channel	ITU-T G.8032v2	1.0 E02.4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sub-ring without virtual channel	ITU-T G.8032v2	1.0 E02.4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
Multiple instances over same physical ring	ITU-T G.8032v2	1.0 E02.4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
E-Line over G.8032 (1+1) (Ref. Sec.7.3 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
E-Line over G.8032 (1+1) (Ref. Sec.7.3 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
E-Tree Over G.8032 (Ref. Sec.7.4 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
E-LAN Over G.8032 (Ref. Sec.7.5 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2	6.1.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mixed E-Services Over G.8032 (Ref. Sec.7.6 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Dual-homed connectivity to EVPN network (Ref. Sec.8 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Single node resilient connectivity to EVPN network (Ref. Sec.8 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Single node resilient connectivity to VPLS network (Ref. Sec.8 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Dual-homed connectivity to VPLS network (Ref. Sec.8 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
G.8032 resilient inter-network connectivity (Ref. Sec.8 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
G.8031 service Over G.8032 (Ref. Sec.10.2 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Access Sub-Ring connected to Major ring (Ref. Sec.10.3 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Non-ERP node connected to major ring (Ref. Sec.10.4 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Revertive Mode	ITU-T G.8032v2	1.0 E02.4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
Non-Revertive Mode	ITU-T G.8032v2		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Force Switch	ITU-T G.8032v2	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
Manual Switch	ITU-T G.8032v2	6.6.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
Segmentation minimization (Ref. Sec.13 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Y.1731 Over G.8032 ring	ITU-T G.8032v2		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
MLAG (Active-Standby with IDP link) Interconnection with G.8032 major ring	ITU-T G.8032v2	6.1.0	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
MLAG (Active-Standby with IDL link) Interconnection with G.8032 major ring	ITU-T G.8032v2		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
MLAG IDL link as G.8032 ring port	ITU-T G.8032v2		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
User control over non-data VLAN forwarding (Block/unblock) : For Sub-interface (as MPLS access interface)	ITU-T G.8032v2	6.1.0	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓
User control over non-data VLAN forwarding (Block/unblock) : For I2 interface	ITU-T G.8032v2		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Traffic switchover within 50ms	ITU-T G.8032v2		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Ethernet Linear Protection (ELPS)																																
ELPS	ITU-T G.8031	5.0	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗
Over Native L2	ITU-T G.8031	5.0	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗
Over PB	ITU-T G.8031		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Over Bridge-Domain	ITU-T G.8031		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Over Cross-Connect	ITU-T G.8031	6.6.0	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗
Over LAG Interface	ITU-T G.8031	6.6.0	✓	✓	✓																											





- Management



[illegible]

[illegible]



ipinfusion		Features By Product																													
		Latest version: SP 7.0.0																													
PCEP Extensions for Segment Routing	RFC 8664	4.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓
PCEP MIB Support	RFC 7420	4.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓
PCEP support for SRv6	draft-ietf-pce-segment-routing-ipv6-13	6.0.0	✓	✗	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Segment Routing over IPv6 Data plane (SRv6)																															
Support of Segment routing IPv6 generic base infrastructure.	RFC 8986	5.1	✓	✗	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
OSPF Extension to Support Segment Routing over IPv6 Dataplane	draft-ietf-isr-ospfv3-srv6-extensions-01	5.1	✓	✗	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
IS-IS Extension to Support Segment Routing over IPv6 Dataplane	draft-ietf-isis-srv6-extensions-11	5.1	✓	✗	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
BGP based L3VPN (VPNv4) over SRv6 core	draft-ietf-bess-srv6-services-08	5.1	✓	✗	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
BGP-LS support for Segment routing IPv6 (ISIS)	draft-ietf-idr-bgpis-srv6-ext-08	6.0.0	✓	✗	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
BGP-LS support for Segment routing IPv6 (OSPF)	draft-ietf-idr-bgpis-srv6-ext-08	6.1.0	✓	✗	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
EVPN ELINE (Single Homing) for SRv6	RFC 9252	6.1.0	✓	✗	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
EVPN ELINE (Multi Homing) for SRv6	RFC 9252	6.3.0	✓	✗	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
SRv6 OAM	RFC 9259	6.3.0	✓	✗	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
EVPN ELAN (Single Homing) for SRv6	RFC 9252	6.5.1	✓	✗	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Ethernet for AI/ML																															
Dynamic Load Balancing (DLB)	TBD-ToBeUpdated		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
DLB - Reactive Path Rebalance	IPI Proprietary		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
DLB - Random Flow	IPI Proprietary		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
PFC with QoS over L3 Interface	IEEE 802.1Qbb		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
DCBX LLDP capability for PFC over L3 interface	IEEE 802.1Qas; IEEE 802.1ab 2009		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Explicit Congestion Notification (ECN)	TBD-ToBeUpdated		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Enhanced Transmission Selection (ETS) with QoS	IPI Proprietary		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
ECN over VaLAN	IPI Proprietary		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
PFC over VaLAN	IPI Proprietary		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Dynamic ECN	IPI Proprietary		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
PFC Deadlock Detection and Recovery	IPI Proprietary		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗

Refer to the **latest feature matrix**.

Platform Support Matrix

Latest version: SP 7.0.0

			SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	
Platform	Vendor	Broadcom Chip	OCNOS-SP-PLUS-14400	OCNOS-SP-PLUS-7200	OCNOS-SP-PLUS-4800	OCNOS-SP-PLUS-2400	OCNOS-SP-PLUS-800	OCNOS-SP-PLUS-300	OCNOS-CSR-800	OCNOS-CSR-300	OCNOS-CSR-120	OCNOS-CSR-64	OCNOS-CSR-32	OCNOS-CSR-12XST	OCNOS-SP-IPBASE-14400	OCNOS-SP-IPBASE-7200	OCNOS-SP-IPBASE-4800	OCNOS-SP-IPBASE-2400	OCNOS-SP-IPBASE-800	OCNOS-SP-IPBASE-300	OCNOS-SP-IPBASE-120	OCNOS-SP-IPBASE-64	OCNOS-SP-IPBASE-32	OCNOS-SP-MPLS-14400	OCNOS-SP-MPLS-7200	OCNOS-SP-MPLS-4800	OCNOS-SP-MPLS-2400	OCNOS-SP-MPLS-800	OCNOS-SP-MPLS-300	OCNOS-SP-MPLS-120	OCNOS-SP-MPLS-64	OCNOS-SP-MPLS-32
Edgecore AS5916-54XKS	Edgecore	SP	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	✓	×	×	×	×
Edgecore AS5916-54XL	Edgecore	SP	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	✓	×	×	×	×
Edgecore AS7315-27X	Edgecore	SP	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	✓	×	×	×
UtiSpace S9500-22XST	UtiSpace	SP	×	×	×	×	×	×	×	✓	×	×	×	✓	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	✓	×	×	×
UtiSpace S9500-30XS	UtiSpace	SP	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	✓	×	×	×
UtiSpace S9501-18SMT	UtiSpace	SP	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	✓	×
UtiSpace S9501-28SMT	UtiSpace	SP	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	✓	×	×
UtiSpace S9502-16SMT	UtiSpace	SP	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	✓
UtiSpace S9502-12SM	UtiSpace	SP	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	✓
UtiSpace S9502-12SM-NT	UtiSpace	SP	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	✓	×	✓	×	×	×	×	×	✓	×	✓
Edgecore AS5915-18X	Edgecore	SP	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	✓	×
Edgecore AS5915-16X	Edgecore	SP	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	✓
UtiSpace S9600-32X	UtiSpace	SP	×	×	×	✓	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×
UtiSpace S9600-64X	UtiSpace	SP	×	×	✓	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×
UtiSpace S9600-28DX	UtiSpace	SP	×	×	×	✓	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×
UtiSpace S9600-56DX	UtiSpace	SP	×	×	✓	×	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×
UtiSpace S9600-72XC	UtiSpace	SP	×	×	×	✓	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×
Edgecore AS7946-30XB	Edgecore	SP	×	×	×	✓	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×
Edgecore AS7946-74XKSB	Edgecore	SP	×	×	×	✓	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×
UtiSpace S9610-46DX	Edgecore	SP	×	✓	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×
UtiSpace S9510-28DC	UtiSpace	SP	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	✓	×	×	×
Edgecore AS7535-28XB	Edgecore	SP	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	✓	×	×	×	×
UtiSpace S9510-30XC	UtiSpace	SP	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	✓	×	×	×
Edgecore AS7515-24X	Edgecore	SP	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	✓	×	×	×
Edgecore AS9947-36XXB	Edgecore	SP	×	✓	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×
UtiSpace S9610-36D	UtiSpace	SP	✓	×	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×	✓	×	×	×	×	×	×	×	×

Refer to the [latest feature matrix](#).





[illegible]

Latest version: SP 7.0.



### Resource Reservation Protocol (RSVP)



[illegible]

[illegible]



Mixed E-Services Over G.8032 (Ref. Sec.7.6 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dual-homed connectivity to EVPN network (Ref. Sec.8 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Single node resilient connectivity to EVPN network (Ref. Sec.8 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Single node resilient connectivity to VPLS network (Ref. Sec.8 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dual-homed connectivity to VPLS network (Ref. Sec.8 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
G.8032 resilient inter-network connectivity (Ref. Sec.8 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
G.8031 service Over G.8032 (Ref. Sec.10.2 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Access Sub-Ring connected to Major ring (Ref. Sec.10.3 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Non-ERP node connected to major ring (Ref. Sec.10.4 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Revertive Mode	ITU-T G.8032v2	1.0 ED2.4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Non-Revertive Mode	ITU-T G.8032v2		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Force Switch	ITU-T G.8032v2	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Manual Switch	ITU-T G.8032v2	6.6.0	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Segmentation minimization (Ref. Sec.13 ITU-T-Series-G-Sup-52)	ITU-T G.8032v2		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Y.1731 Over G.8032 ring	ITU-T G.8032v2		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MLAG (Active-Standby with IDP link) interconnection with G.8032 major ring	ITU-T G.8032v2	6.1.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	X	X
MLAG (Active-Standby with IDL link) interconnection with G.8032 major ring	ITU-T G.8032v2		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MLAG IDL link as G.8032 ring port	ITU-T G.8032v2		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
User control over non-data VLAN forwarding (Block/unblock) : For Sub-interface (as MPLS access interface)	ITU-T G.8032v2	6.1.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	X	X	✓
User control over non-data VLAN forwarding (Block/unblock) : For I2 interface	ITU-T G.8032v2		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Traffic switchover within 50ms	ITU-T G.8032v2		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Ethernet Linear Protection (ELPS)																											
ELPS	ITU-T G.8031	5.0	✓	✓	✓	✓	✓	X	X	X	X	X	X	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Over Native L2	ITU-T G.8031	5.0	X	✓	✓	✓	✓	X	X	X	X	X	X	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Over PB	ITU-T G.8031		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Over Bridge-Domain	ITU-T G.8031		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Over Cross-Connect	ITU-T G.8031	6.6.0	✓	✓	✓	✓	✓	X	X	X	X	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Over LAG interface	ITU-T G.8031	6.6.0	✓	✓	✓	✓	✓	X	X	X	X	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Multiple ELPS instance over same physical link	ITU-T G.8031		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Different Control and Data-VLAN	ITU-T G.8031	5.0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Same Control and Data-VLAN	ITU-T G.8031	6.6.0	✓	✓	✓	X	X	X	X	X	X	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	✓	✓
ELPS with CFM	ITU-T G.8031	5.0	✓	✓	✓	✓	✓	X	X	X	X	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Manual Switch Signal	ITU-T G.8031	5.0	✓	✓	✓	✓	✓	X	X	X	X	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Force Switch Signal	ITU-T G.8031	5.0	✓	✓	✓	✓	✓	X	X	X	X	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lockout Signal	ITU-T G.8031	5.0	✓	✓	✓	✓	✓	X	X	X	X	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Exercise Signal	ITU-T G.8031	5.0	✓	✓	✓	✓	✓	X	X	X	X	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Revertive mode	ITU-T G.8031	5.0	✓	✓	✓	✓	✓	X	X	X	X	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Non-Revertive mode	ITU-T G.8031	6.6.0	✓	✓	✓	✓	✓	X	X	X	X	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1:1 Protection Mode	ITU-T G.8031	5.0	✓	✓	✓	✓	✓	X	X	X	X	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1+1 (Bidirectional) Protection Mode	ITU-T G.8031		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1+1 (Unidirectional) Protection Mode	ITU-T G.8031		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Traffic switchover within 50ms	ITU-T G.8031	6.6.0	✓	✓	✓	✓	✓	X	X	X	X	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Y.1731 over ELPS (G.8031)	ITU-T G.8031		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Y1564-Service Activation Test(SAT)																											
Color blind	ITU-T Y.1564	6.6.0	X	X	X	X	X	X	X	X	X	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Color-aware	ITU-T Y.1564	6.6.0	X	X	X	X	X	X	X	X	X	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Virtual Extensible LAN (VXLAN)																											
Virtual Extensible LAN (VxLAN) - General																											
Layer 2 EVPN for VXLAN	RFC 7348, RFC 7432, RFC 8365	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Layer 2 EVPN Auto RT for VXLAN	RFC 8365	6.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Layer 2 EVPN Multihoming for VXLAN	RFC 7432, RFC 8365	1.0 ED2.4	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VxLAN EVPN with BGP unnumbered	IPI proprietary	6.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EVPN VXLAN- L2CP on EVPN Access	IPI proprietary	6.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

VXLAN - Ethernet Virtual Connection (EVC)	RFC 7348	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Integrated Routing and Bridging (IRB) with VXLAN	RFC 9135	4.1	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Selectively Enabling Multiple IP addresses on IRB Interface for Anycast-gateway			✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VXLAN IRB QoS	RFC 2474	4.2	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	✓
Prefix Route for EVPN IRB for VXLAN	RFC 9136	4.1	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VXLAN EVPN ARP/ND cache Ageing	draft-ietf-bess-evpn-proxy-arp-nd-02	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Inter-VRF route leaking over VXLAN-EVPN	RFC 9135, RFC 4364	4.2	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IPv4 and IPv6 DHCP Relay for VXLAN IRB	RFC 6607	5.0	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VXLAN tunnel over SVI Interface	RFC 8365	1.0 ED2.4	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SNMP support for VXLAN statistics and traps	IPI proprietary	4.2	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
Static VXLAN	RFC 7348	5.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VXLAN Trunk as access port	RFC 7348	5.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VXLAN - Overlay Equal-Cost Multipath (ECMP)	RFC 7348	5.0	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VxLAN E-LINE/X-connect	RFC 8214	5.1	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VxLAN- Subif as access	IPI proprietary	6.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Service Monitoring over VxLAN ( Ping, Pathtrace, CCM Functionality)	draft-tissa-nvo3-oam-fm-04.txt		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	✓	×	×	×	×	×
IRB support for advertising host routes	RFC 9135, RFC 9136	6.2.0	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SPAN support for port-(VLAN/VLAN-range)	IPI proprietary		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
ERSPAN on VXLAN Access Port	IPI Proprietary		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
OSPF and ISIS support on an IRB Interface(SH)	RFC 9135, RFC 9136	6.4.1	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OSPFV2 and ISISv4 support on an IRB Interface(MH)	RFC 9135, RFC 9136		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
MAC movement detection based on L2 traffic	RFC 7432		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
E-TREE Single Homing	RFC 8317-Scenario 1	6.5.1	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
E-TREE Multi Homing	RFC 8317-Scenario 1	6.5.1	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VLAN-to-VNI mapping	IPI proprietary		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
ACL support on IRB interface	IPI Proprietary	6.5.3	×	×	×	×	×	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Single Hop BFD over IRB	IPI Proprietary		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
EVPN-VXLAN-MAC-Limit	IPI Proprietary	6.6.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VRF export-map extension	IPI Proprietary	7.0.0	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓
EVPN AF route-maps + EVPN route-filtering based on RT		7.0.0	✓	×	✓	✓	✓	✓	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EVPN Layer 3 GW / VXLAN Layer 3 stitching	RFC 9136		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
- Multicast																												
Protocol Independent Multicast (PIM)																												
PIM - Sparse Mode (PIM-SM)	RFC 4601	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bootstrap Router (BSR) Mechanism for PIM	RFC 5059	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Static Rendezvous Point Configuration	RFC4601 and RFC 5015	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PIM - Dense Mode (PIM-DM): Protocol Specification (Revised)	RFC 3973	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PIM - Source Specific Multicast	RFC 4607	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Multicast Source Discovery Protocol (MSDP)	RFC 3618	4.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Support for More than 32 PIM Interfaces	IPI Proprietary	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Source-Specific Protocol-Independent Multicast in 232/8	RFC 4608	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Overview of Source-Specific Multicast (SSM)	RFC 3569	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bidirectional Protocol Independent Multicast (BIDIR-PIM)	RFC 5015	4.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	×	×
Interoperability between the Virtual Router Redundancy Protocol and PIM	RFC 7910	4.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bidirectional Forwarding Detection (BFD) Trigger for PIM	RFC 5882	5.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓
PIM MIB for IPv4	RFC 5060	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Group To RP Mapping	RFC 6226	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Anycast-RP Using Protocol Independent	RFC 4610	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PIM ECMP IPv4	RFC6754	6.1.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Protocol Independent Multicast (PIMv6)																												
PIM - Sparse Mode (PIM-SM)-IPv6	RFC 4601	6.1.0	×	×	×	×	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bootstrap Router (BSR) Mechanism for PIMv6	RFC 5059	6.1.0	×	×	×	×	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



[illegible]

[illegible]

Wake on LAN	IPI Proprietary	6.4.1	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×		
Backup and restore from USB	IPI Proprietary	7.0.0	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
- Chassis Monitoring																														
Chassis Monitoring - General																														
Temperature monitor	IPI Proprietary	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Fan control	IPI Proprietary	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Power Monitoring	PMBus	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
CPU load monitoring	IPI Proprietary	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Board information (EEPROM)	IPI Proprietary	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Power Supply Unit (PSU) Field Replacement Unit (FRU) information	IPI Proprietary	1.0.0	×	×	×	✓	✓	✓	✓	✓	✓	×	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Fan FRU information (EEPROM)	IPI Proprietary	1.0.0	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	✓	✓	✓	✓	×	✓	✓		
Hardware MIB and Traps	IPI Proprietary	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
- Port Breakout																														
100G Port Breakout into 4X10G	IPI Proprietary	6.3.0	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	×	×		
100G Port Breakout into 4X25G	IPI Proprietary	6.3.0	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	×	×		
100G Port Breakout into 2X50G	IPI Proprietary	6.3.0	✓	✓	✓	✓	×	×	×	×	×	×	×	×	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	×	×		
400G Port Breakout-QSFP-DD	IPI Proprietary	6.4.1	×	×	×	×	×	×	×	×	×	×	×	×	×	✓	✓	×	✓	×	✓	×	✓	✓	✓	×	×	✓		
800G Port Breakout-QSFP-DD	IPI Proprietary		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×			
Port Breakout on External PHY Ports	IPI Proprietary	7.0.0	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	✓			
- Smart SFP																														
Support of OAM Functionality over Remote Loopback	IPI Proprietary	6.2.0	×	×	×	×	×	×	×	×	×	×	×	×	×	✓	✓	✓	×	✓	×	×	✓	✓	✓	×	×			
Suoport of attributes ( Reset/DDM/Disable Tx Transmssion)	IPI Proprietary	6.2.0	×	×	×	×	×	×	×	×	×	×	×	×	×	✓	✓	✓	×	✓	×	×	✓	✓	✓	×	×			
Digital Diagnostic Monitoring (DDM) support	IPI Proprietary	6.2.0	×	×	×	×	×	×	×	×	×	×	×	×	×	✓	✓	✓	×	✓	×	×	✓	✓	✓	×	×			
SNMP Support	IPI Proprietary	6.2.0	×	×	×	×	×	×	×	×	×	×	×	×	×	✓	✓	✓	×	✓	×	×	✓	✓	✓	×	×			
- EDFA																														
Configuration and monitoring attributes such as target-output, target-gain, operating modes	IPI Proprietary	6.3.0	×	×	×	×	×	×	×	×	×	×	×	×	×	✓	✓	×	×	×	✓	✓	×	×	×	✓	✓			
Digital Diagnostic Monitoring (DDM) support	SFF-8636	6.3.0	×	×	×	×	×	×	×	×	×	×	×	×	×	✓	✓	×	×	×	✓	✓	×	×	×	✓	✓			
QSFP-DD																														
400G -Grey	CMIS 5.1, OIF-C-CMIS-01.2	6.1.0	×	×	×	×	×	×	×	×	×	×	×	×	✓	✓	×	✓	×	×	✓	✓	×	×	✓	✓				
400G -ZR	CMIS 5.1, OIF-C-CMIS-01.2	6.1.0	×	×	×	×	×	×	×	×	×	×	×	×	✓	✓	×	✓	×	×	✓	✓	×	×	✓	✓				
400G - Open ZR/ZR+	CMIS 5.1, OIF-C-CMIS-01.2	6.1.0	×	×	×	×	×	×	×	×	×	×	×	×	✓	✓	×	✓	×	×	✓	✓	×	×	✓	✓				
800G-Grey	CMIS 5.1, OIF-C-CMIS-01.2		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×				
800G-ZR, OpenZR/ZR+	CMIS 5.1, OIF-C-CMIS-01.2		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×				
- Digital Diagnostics Monitoring (Transceiver)																														
Digital Diagnostics Monitoring (Transceiver) - General																														
Temperature monitor	SFF-8024, SFF-8436, SFF-8472, SFF-8679	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Power Monitoring (Power, Current, Voltage)	SFF-8024, SFF-8436, SFF-8472, SFF-8679	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Hardware MIB and Traps	IPI Proprietary	1.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
- Timing and Synchronization																														
Timing and Synchronization - General																														
Timing characteristics of a synchronous equipment slave clock (SyncE )	G.8262	1.0 ED2.3	✓	×	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓			
Distribution of timing information through packet networks (ESMC)	G.8264	1.0 ED2.3	✓	×	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓			
PTP Telecom profile for phase/time synchronization with full timing support from the network (T-BC)	G.8275.1 (T-BC)	1.0 ED2.3	✓	×	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓			
Timing characteristics of telecom boundary clocks for use with full timing support from the network (T-BC)	G.8273.2 (T-BC)	1.0 ED2.3	✓	×	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓			
PTP Telecom profile for phase/time synchronization with full timing support from the network (T-GM with Antenna compensation)	G.8275.1 (T-GM)	1.0 ED3.0	×	×	✓	✓	✓	×	×	×	×	×	×	×	✓	✓	✓	✓	×	×	×	✓	×	✓	✓	×	×			
PTP TP for time/phase synchronization with partial timing support from the network (T-BC-P, T-BC-A)	G.8275.2 (T-BC-P, T-BC-A) G.8273.4	4.0	✓	×	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓			
PTP TP for time/phase synchronization with partial timing support from the network (T-GM with Antenna Compensation)	G.8275.2 (T-GM)	4.0	×	×	✓	✓	✓	×	×	×	×	×	×	×	✓	✓	✓	✓	×	×	×	✓	×	✓	✓	×	×			
Default profile (T-BC)	IEEE-1588 (Annex J)	4.1	✓	×	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓			
Default profile (T-GM)	IEEE-1588 (Annex J)	4.1	×	×	✓	✓	✓	✓	✓	✓	✓	×	×	×	✓	✓	✓	✓	✓	×	×	×	✓	×	✓	×	×			
PTP Telecom Profile for frequency synchronization (T-GM)	G.8265.1 (T-GM)	4.2	×	×	✓	✓	✓	✓	✓	✓	✓	×	×	×	✓	✓	✓	✓	✓	×	×	×	✓	×	✓	×	×			
PTP Telecom Profile for frequency synchronization (T-TSC)	G.8265.1 (T-TSC)	4.2	×	×	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓			
E2E Transparent clock (TC)	IEEE-1588 [Works with both G8275.1,	4.0	✓	×	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓			

Latest version: SP 7.0.0

ipinfusion		Features By Platform																											
		Latest version: SP 7.0.0																											
EVPN MPLS L3VPN (without IRB)	RFC 7432	6.1.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IRB support for advertising host routes	RFC 9135, RFC 9136	6.2.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Multiple IPs on IRB Interface for anycast-gateway	RFC 9135, RFC 9136	6.4.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OSPF and ISIS support on an IRB Interface(SH)	RFC 9135, RFC 9136	6.4.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ACL support on IRB interface		6.5.3	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EVPN LLF	IPI Proprietary	6.6.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EVPN Mac-Limit	IPI Proprietary	6.6.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ECMP for L3EVPN (Symmetric IRB)	RFC 9135, RFC 7432	7.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EVPN-Flow Aware Transport			✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EVPN AF route-maps	IPI Proprietary	7.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
- Segment Routing																													
Segment Routing - General																													
Support of Segment routing generic base Infrastructure.	RFC 8402	4.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
User Defined Adjacency SID (OPSFv2)	RFC 8665	6.1.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OSPF extensions for Segment-Routing	1. RFC 8665 2. RFC 7684 3. RFC 4970	4.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ISIS extensions for Segment-Routing	1. RFC 8667 2. draft-ietf-spring-conflict-resolution-05	4.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LDP and SR Interworking	1. RFC8661	4.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SR Mapping server	RFC 8661	4.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Segment-Routing Policy (Traffic Engineering)	draft-ietf-spring-segment-routing-policy-06	4.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Segment-Routing Policy Hop-Limit		7.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Segment-routing OAM (LSP Ping/Traceroute) for MPLS dataplane	RFC 8287	4.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Segment-routing BFD	RFC 7880	6.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Topology Independent Fast Reroute using Segment Routing	draft-ietf-rtgwg-segment-routing-ti-ifa-03	4.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Service mapping using tunnel policy over SR policy	IPI Proprietary	4.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓
Entropy label support for SR MPLS (ISIS/OSPF)	RFC-9088 RFC-9089	6.4.1	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BGP On-demand nexthop (ODN) and auto steering	RFC 9012 #name-color-extended-community	6.2.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SR ECMP (ISIS/OSPF)		6.5.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ISIS SR Flexible Algorithms (Flex-Algo)	RFC 9350	6.6.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Traffic Steering for Flexible Algorithms	RFC 9012 #name-color-extended-community	6.6.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FTN Falback Support for Flexible Algorithms	IPI Proprietary	7.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SRLG Disjoint Backup Path Support For Flexible Algorithms	RFC 9350	7.0.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
User Defined Adjacency SID (ISIS)	RFC 8667	6.6.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SR based Micro loop Avoidance (ISIS)	draft-bashandy-rtgwg-segment-routing-uloop-12	6.6.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PCEP (Path Computation Element Protocol)																													
Support for path computation element protocol	RFC 5440 RFC 7896	4.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Support for Stateful PCE	RFC 8281 RFC 8231	4.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PCEP Extensions for Segment Routing	RFC 8664	4.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PCEP MIB Support	RFC 7420	4.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PCEP support for SRv6	draft-ietf-pce-segment-routing-ipv6-13	6.0.0	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✗	✗
Segment Routing over IPv6 Data plane (SRv6)																													
Support of Segment routing IPv6 generic base infrastructure.	RFC 8986	5.1	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✗	✗
OSPF Extension to Support Segment Routing over IPv6 Dataplane	draft-ietf-lsr-ospfv3-srv6-extensions-01	5.1	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✗	✗
IS-IS Extension to Support Segment Routing over IPv6 Dataplane	draft-ietf-lsr-isis-srv6-extensions-11	5.1	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✗	✗
BGP based L3VPN (VPNv4) over SRv6 core	draft-ietf-bess-srv6-services-08	5.1	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✗	✗
BGP-LS support for Segment routing IPv6 (ISIS)	draft-ietf-idr-bgppls-srv6-ext-08	6.0.0	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✗	✗
BGP-LS support for Segment routing IPv6 (OSPF)	draft-ietf-idr-bgppls-srv6-ext-08	6.1.0	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✗	✗
EVPN ELINE (Single Homing) for SRv6	RFC 9252	6.1.0	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✗	✗
EVPN ELINE (Multi Homing) for SRv6	RFC 9252	6.3.0	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✗	✗
SRv6 OAM	RFC 9259	6.3.0	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✗	✗



- Ethernet for AI/ML																											
Dynamic Load Balancing (DLB)	TBD-ToBeUpdated	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
DLB - Reactive Path Rebalance	IPI Proprietary	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
DLB - Random Flow	IPI Proprietary	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
PFC with QoS over L3 Interface	IEEE 802.1Qbb	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
DCBX LLDP capability for PFC over L3 Interface	IEEE 802.1Qaz IEEE 802.1ab 2009	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
Explicit Congestion Notification (ECN)	TBD-ToBeUpdated	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
Enhanced Transmission Selection (ETS) with QoS	IPI Proprietary	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
ECN over VxLAN	IPI Proprietary	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
PFC over VxLAN	IPI Proprietary	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
Dynamic ECN	IPI Proprietary	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
PFC Deadlock Detection and Recovery	IPI Proprietary	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×

Refer to the [latest feature matrix](#).