

Blueprint: EC-201 Ericsson Certified Associate - IP Networking

TOPICS	
IP Fundamentals	
1.1 Describe IPv4 concepts	
1.2 Describe IPv6 concepts	
1.3 Describe the fundamentals of multicast	
MPLS	
2.1 Describe the fundamentals of MPLS architecture and signaling	
2.2 Describe label actions performed by LSR	
2.3 Demonstrate knowledge of LS	
2.4 Basic troubleshooting of MPLS (SEOS focus)	
2.5 Describe the need for IGP in an MPLS network (L2)	
L3VPN	
3.1 Describe the basics of VPN Contexts (VRF)	
3.2 Describe the role of MPLS labels in VPN	
3.3 Describe the concept of RT	
3.4 Describe the concept of RD	
3.5 Demonstrate knowledge of basic MP-BGP concepts	
3.6 Demonstrate knowledge of L3VPN configuration and monitoring (SEOS focus)	
QoS	
4.1 Demonstrate knowledge of fundamental QoS concepts	
4.2 Describe QoS classification and marking mechanisms	
4.3 Demonstrate knowledge of fundamental congestion management techniques	
4.4 Describe congestion avoidance	
BGP	
5.1 Describe the differences between BGP and IGP protocols	
5.2 Describe the concept of an Autonomous System (AS)	
5.3 Identify the differences between eBGP and iBGP	
5.4 Describe the basics of the BGP decision algorithm	
5.5 Demonstrate knowledge of basic BGP configuration	
IGP	
6.1 Demonstrate knowledge of fundamental concepts of an IGP	
6.2 Demonstrate knowledge of fundamental concepts of OSPF	
6.3 Demonstrate knowledge of fundamental concepts of ISIS	
Ethernet Fundamentals	
7.1 Demonstrate knowledge of fundamental Ethernet devices	
7.2 Demonstrate knowledge of fundamental IEEE 802 Standards	
7.3 Demonstrate knowledge of VLANs	
SmartEdge Fundamentals	
8.1 Demonstrate knowledge of SmartEdge fundamental concepts	
8.2 Describe CLI access and configuration mode	
8.3 Demonstrate knowledge of SmartEdge file systems	
8.4 Describe the software upgrade process	
8.5 Describe how to obtain information from the CLI	