Cisco Certified Network Professional

Implementing Cisco IP Routing

1. Determine network resources needed for implementing EIGRP in a network
2. Create an EIGRP implementation plan
3. Create an EIGRP verification plan
4. Configure EIGRP routing
5. Verify an EIGRP solution was implemented properly using show and debug commands
6. Document the verification results for an EIGRP implementation

7. Implement a multi-area OSPF Network, given a network design and a set of requirements
8. Determine network resources needed for implementing OSPF on a network
9. Create an OSPF implementation plan
10. Create an OSPF verification plan
11. Configure OSPF routing
12. Verify OSPF solution was implemented properly using show and debug commands
13. Document the verification results for an OSPF implementation plan
14. Implement an eBGP based solution, given a network design and a set of requirements
15. Determine network resources needed for implementing eBGP on a network
16. Create an eBGP implementation plan
17. Create an eBGP verification plan
18. Configure eBGP routing
19. Verify eBGP solution was implemented properly using show and debug commands
20. Document verification results for an eBGP implementation plan
21. Implement an IPv6 based solution, given a network design and a set of requirements
22. Determine network resources needed for implementing IPv6 on a network
23. Create an IPv6 implementation plan
24. Create an IPv6 verification plan
25. Configure IPv6 routing
26. Configure IPv6 interoperation with IPv4
27. Verify IPv6 solution was implemented properly using show and debug commands
28. Document verification results for an IPv6 implementation plan
29. Implement an IPv4 or IPv6 based redistribution solution, given a network design and a set of requirements
30. Create a redistribution implementation plan based upon the results from a redistribution analysis
31. Create a redistribution verification plan

32. Configure a redistribution solution
33. Verify that a redistribution was implemented
34. Document results of a redistribution implementation and verification plan
35. Identify the differences between implementing an IPv4 and IPv6 redistribution solution
36. Implement Layer 3 Path Control Solution
37. Create a Layer 3 path control implementation plan based upon the results of the redistribution analysis
38. Create a Layer 3 path control verification plan
39. Configure Layer 3 path control
40. Verify that a Layer 3 path control was implemented
41. Document results of a Layer 3 path control implementation and verification plan
42. Implement basic teleworker and branch services
43. Describe broadband technologies
44. Configure basic broadband connections
45. Describe basic VPN technologies
46. Configure GRE
47. Describe branch access technologies

TECHSHARK
The Power of Net