Exam : 646-056

Title   : Cisco Lifecycle Services Advanced Routing and Switching

Ver   : 02.13.07

QUESTION 1

When identifying hardware and software products, features, and functionalities for a routing and switching solution, which three tasks are performed prior to producing a documented high-level design for the customer? (Choose three.)

A. Identify, analyze, and document existing network vulnerabilities.
B. Verify that the chosen hardware and software platforms, features, and functionalities will meet the preliminary high-level design objectives.
C. Research and identify hardware and software products, features, and functionalities that will address the business and technical requirements for the customer.
D. Assess current network infrastructure and installed applications.
E. Complete the high-level design discovery checklist.
F. Identify and assess the operations requirements for the routing and switching solution.

Answer: B,C,E

QUESTION 2

Which task is conducted as part of Security Administration?

A. Develop a staff training plan.
B. Record and classify requests for change.
C. Administer policy changes.
D. Employ a trouble ticketing system.

Answer: C

QUESTION 3

What are two typical activities that are conducted as part of Security Assessment? (Choose two.)

A. Perform intrusion audits.
B. Create a performance baseline for Security Assessment.
C. Categorize security incidents.
D. Assess network infrastructure software and configurations.

Answer: A,B

QUESTION 4

Which of the following definitions best describes the service component for Deployment Project Management?

A. a service component activity to help ensure that all project activities and tasks are identified systems within the plan phase before implementing the routing and switching solution
B. a prescribed set of activities and tasks that are performed for the customer when

managing a project on-time and within budget, which includes communication, resource management, and change control within the implement phase
C. a prescribed set of activities and tasks that are performed for the customer when managing a project on time and within budget, which includes communication, resource management, and change control within the plan phase
D. a service component activity to help ensure that all project activities and tasks are identified before systems implementation and testing

Answer: C

QUESTION 5
Which three activities within the prepare phase are performed to help identify and develop a technology strategy before presenting to the customer for approval? (Choose three.)

A. Conduct a strategy workshop.
B. Present findings and make recommendations.
C. Produce a technology requirements document.
D. Identify and assess the technologies and services.
E. Analyze the documented business requirements.

Answer: C,D,E

QUESTION 6
Which three types of information should be included in a system acceptance test plan? (Choose three.)

A. network resilience tests
B. site survey results
C. configurations
D. physical and logical network topology diagrams

Answer: A,C,D

QUESTION 7
What is the first activity conducted in Configuration Management in the operate phase?

A. Monitor the infrastructure.
B. Monitor vendor alerts for recommended changes.
C. Account for all assets and configurations.
D. Produce operations implementation report.

Answer: C

QUESTION 8
Which task is conducted during execution of a system acceptance test plan?

A. Present and discuss systems acceptance test results with the customer.
B. Verify that all participants are ready.
C. Record and review results with key stakeholders and business owners.
D. Verify that escalation path is in place to help manage and mitigate problems with test cases.

Answer: C

QUESTION 9

Which four activities within the prepare phase are performed to create a business case that cites business and financial justifications for a customer considering the benefits of investing and adopting a routing and switching solution? (Choose four.)

A. Develop a financial analysis.
B. Verify current network infrastructure and installed applications.
C. Review the business and technology requirements documents.
D. Finalize customer requirements to ensure business operational readiness.
E. Produce a business case.
F. Review the high-level design and operations technology strategy.

Answer: A,C,E,F

QUESTION 10

When developing the financial analysis for a routing and switching solution, which three tasks are performed prior to producing a business case for the customer? (Choose three.)

A. Finalize the technology infrastructure and operational requirements to help ensure the financial analysis is accurate.
B. Finalize customer requirements to ensure business operational readiness to help ensure that the financial analysis is accurate.
C. Perform ROI analysis, which typically cites cost categories, such as cost of the technology or solution, cost of deployment, and cost of operations.
D. Understand how the customer will justify the investment and ensure that any financial risks are addressed.
E. Determine the cost-to-benefit ratios of both adopting and not adopting the proposed routing and switching solution.
F. Consider other financial factors associated with capital budgeting, such as how long the solution will be used before costs are recovered, the economic value of the technology investment, and return expectations on the technology investment.

Answer: C,E,F

QUESTION 11

Which task is part of executing an operations test plan?

A. Review changes with key stakeholders.
B. Validate product and software functionality as required in the design.
C. Notify impacted parties of upcoming cutover.
D. Identify risks and establishing contingencies.

Answer: B

QUESTION 12
Which two Account Qualification activities within the prepare phase are performed to qualify an account for a customer opportunity? (Choose two.)

A. Conduct interviews with key stakeholders to help identify high-level business requirements.
B. Conduct interviews with executive sponsors to help identify high-level business requirements.
C. Identify risks and resource requirements to qualify the account.
D. Determine the minimum level of customer requirements that can be qualified.
E. Align account strategies with customer requirements and priorities.

Answer: A,B

QUESTION 13
Which definition best describes the service component for Business Case Development?

A. a service component that addresses business requirements of the customer within the plan phase
B. a service component activity to help ensure that all systems design requirements are identified within the prepare phase
C. a prescribed set of activities and tasks that creates a business case that cites business and financial justifications for a customer considering the benefits of investing and adopting a routing and switching solution within the prepare phase
D. a prescribed set of activities and tasks that creates a business case that cites business and financial justifications for a customer considering the benefits of investing and adopting a routing and switching solution within the plan phase

Answer: C

QUESTION 14
When producing the site specifications requirements report for a routing and switching solution, which two tasks are performed prior to producing a customer site survey report? (Choose two.)

A. Survey all environmental and physical details of specified sites.
B. Produce site requirements specifications that assess and document the physical, electrical, and environmental
specifications.

C. Develop the site survey report that details site information such as physical, environmental considerations, AC/DC electrical supplies, cabling, network synchronization, peripheral equipment, and remote access.
D. List all networking and applications devices to be implemented.
E. Gather existing system and site documentation.

Answer: B,D

QUESTION 15
Which three tasks are conducted as part of the Implementation Plan Development service component? (Choose three.)

A. Verify site contacts, locations, and other project considerations.
B. Discuss network implementation schedules.
C. Identify implementation risks.
D. Define testing requirements.

Answer: A,B,C

QUESTION 16
Which three activities within the plan phase are performed when managing a project on time and within budget, which includes communication, resource management, and change control? (Choose three.)

A. Develop technology infrastructure and operational requirements plan.
B. Project control and monitoring.
C. Conduct project kickoff workshops.
D. Develop customer requirements change control plan.
E. Develop a project management plan.
F. Identify and install collaborative tools provide training for those tools.

Answer: B,C,E

QUESTION 17
Which task is conducted during the develop the systems acceptance test plan activity?

A. create logical topology diagrams
B. turn-up and commission tests
C. network resilience tests
D. compare test parameters against service level requirements

Answer: D

QUESTION 18
Which three activities are conducted as part of resource management plan development? (Choose three.)

A. Perform context analysis.
B. Perform business readiness.
C. Perform needs analysis.
D. Perform learner analysis.

Answer: A,C,D

QUESTION 19
Which three activities within the prepare phase are performed to create a
recommendation for an operations technology strategy for people, processes, and tools to
support the operations and management of a routing and switching solution? (Choose
three.)

A. Analyze the technology infrastructure and operational requirements.
B. Analyze the documented business and technology requirements.
C. Identify hardware and software products, features, and functionalities.
D. Produce a documented operations technology strategy.
E. Assess current network infrastructure and installed applications.
F. Identify and assess the operations requirements for the routing and switching solution.

Answer: B,D,F

QUESTION 20
Which task is conducted as part of Business Readiness Testing?

A. Obtain and review security procedures and policies.
B. Identify, select, and assess network management tools, features, and functionality.
C. Use predetermined use cases or design use cases based upon validated business and
operational requirements.
D. Review network implementation strategy.

Answer: C

QUESTION 21
Which task is part of the Problem Management service component?

A. Compare test parameters against service-level requirements.
B. Isolate incident.
C. Monitor infrastructure.
D. Gather symptom information including traces, logs, and events.

Answer: D

QUESTION 22
When identifying and assessing the operations requirements for a routing and switching

solution, which two tasks are performed prior to producing a documented operations technology strategy for the customer? (Choose two.)

A. Analyze the technology infrastructure and operational requirements.
B. Identify and align the operations strategy with business and technology requirements of the customer.
C. Assess current network infrastructure and installed applications.
D. Identify hardware and software products, features, and functionalities.
E. Identify and assess the operations technology strategy citing people, processes, and tools to support the operations and management of a routing and switching solution.

Answer: B,E

QUESTION 23
Which two tasks focus on discussing the network implementation strategy with key stakeholders and business owners? (Choose two.)

A. site remediation, plans, and execution status
B. rollback and contingency plans
C. site survey results
D. resource requirements and tools to perform network operations testing

Answer: A,C

QUESTION 24
Which three tasks are performed when conducting interviews with key stakeholders to help identify high-level business requirements for a customer opportunity within the prepare phase? (Choose three.)

A. Obtain executive sponsorship.
B. Determine critical timelines and dependencies.
C. Understand how the customer quantifies and justifies investments.
D. Identify key stakeholders and business owners.
E. Identify customer decision-making criteria.
F. Define the opportunity.

Answer: B,D,F

QUESTION 25
In testing for business readiness, what are three ways that success criteria should be classified? (Choose three.)

A. failure
B. partial success pending next phase
C. complete success
D. success with needed corrective actions

Answer: A,C,D

QUESTION 26
Which three tasks are performed when developing a business requirement document that supports a customer request for a routing and switching solution within the prepare phase? (Choose three.)

A. Conduct a solutions discovery session.
B. Document user-level functionality requirements.
C. Determine which technologies and services will create a network infrastructure solution to satisfy the identified business requirements.
D. Document logical-level and system-level functionality requirements.
E. Assess and compare the capabilities of available technologies and services that will address the stated business requirements of the customer.
F. Analyze business requirements to be aligned with technology and service requirements.

Answer: A,B,D

QUESTION 27
What is the correct order for performing the activities in the Change Management service component?

A. Evaluate, Originate, Schedule, Execute, Access, Communicate, Close
B. Originate, Evaluate, Accept and Schedule, Execute, Communicate, Close
C. Originate, Schedule, Execute, Evaluate, Access, Communicate, Close
D. Evaluate, Communicate, Accept, Schedule and Execute, Originate, Close

Answer: B

QUESTION 28
Which three activities within the plan phase are performed when assessing the current operations and network management infrastructure and verifying the current capabilities to support a routing and switching solution for the customer, including people, processes, and tools? (Choose three.)

A. Produce Network Operations specifications and requirements.
B. Assess current Network Infrastructure and Network Management applications.
C. Produce an Operations Readiness Assessment report.
D. Produce a Network Management Operations plan.
E. Present and review the Operations Readiness Assessment report.
F. Collect and verify Operations and Network Management Infrastructure information.

Answer: C,E,F

QUESTION 29
Which activity is conducted as part of the Implementation Plan Development?

A. Presentation of Staging Plan
B. Conduct an On-site Discovery Workshop
C. Business Readiness Development
D. System Acceptance Testing

Answer: B

QUESTION 30
Which activity is performed to discuss the network implementation strategy with key stakeholders and business owners?

A. Presentation of Staging Plan
B. Business Readiness Plan Development
C. System Acceptance Testing
D. Conduct an On-site Discovery Workshop

Answer: D

QUESTION 31
Which definition best describes the Account Qualification service component?

A. a prescribed set of activities and tasks to successfully plan an account for a customer opportunity within the plan phase
B. a prescribed set of activities and tasks to help identify and qualify an account for a customer opportunity within the prepare phase
C. a minimum set of activities and tasks required to successfully qualify and plan for a customer opportunity
D. a prescribed set of activities and tasks to successfully plan an account for a customer opportunity within the prepare phase
E. a prescribed set of activities and tasks to help identify and qualify an account for a customer opportunity within the plan phase

Answer: B

QUESTION 32
Which task is performed during the Systems Monitoring service component in the operate phase?

A. Populate and maintain configuration management database.
B. Manage passwords, rights, and permissions.
C. Update security signatures.
D. Collect performance data for reporting, such as CPU, memory, storage, licenses and port utilization, and availability data.

QUESTION 36
Which three activities within the plan phase are performed when assessing network vulnerabilities and identifying steps needed to address security threats and attacks? (Choose three.)

A. Document the existing network environment.
B. Identify, analyze, and document existing network vulnerabilities.
C. Assess current network infrastructure and network security procedures.
D. Produce network security specifications and requirements.
E. Document the network vulnerabilities and determine the level of criticality for remediation.
F. Produce security vulnerability report.

Answer: A,B,F

QUESTION 37
Which three activities within the plan phase are performed when assessing network readiness to accommodate a routing and switching solution for the customer? (Choose three.)

A. Produce a network readiness assessment report.
B. Present a network readiness assessment report.
C. Produce a customer site survey report.
D. Produce the site requirement specifications report.
E. Produce the network readiness assessment report.
F. Assess current network infrastructure and installed applications.

Answer: C,D,E

QUESTION 38
Which two tasks are conducted during the preparation of an acceptance test plan? (Choose two.)

A. Verify that all participants are ready.
B. Record and review results.
C. Verify escalation paths.
D. Present test results to customer.

Answer: A,C

QUESTION 39
In the design phase, which two tasks are conducted as part of the produce business readiness test plan activity? (Choose two.)

A. Verify Service Level Agreements.
B. Review the Network Implementation Plan, Low-Level Design, and Network

Management System Design.
C. Finalize Operations and Network Management Design and Test Requirements
Document Containing Specific Tests.
D. Identify Implementation Risks.

Answer: B,C

QUESTION 40
In which activity during operation implementation should contingencies be established?

A. execute test cases as defined in the system acceptance test plan
B. review the operations implementation plan
C. production turn up
D. execute the operations test plan

Answer: B

QUESTION 41
Which task is conducted as part of the Business Case Alignment in the optimize phase?

A. Execute use cases.
B. Analyze actual data related to the deployment and operation of the system against the
original business case.
C. Create a set of thresholds by which a network route can be measured.
D. Collect data using standards-based frameworks, such as ITIL, eTOM, or FCAPS,
covering operations and network management and processes.

Answer: B

QUESTION 42
Which service component within the prepare phase prescribes a set of activities and tasks
to help identify and qualify an account for a customer opportunity?

A. Account Planning
B. Business Requirements Development
C. Technology Strategy Development
D. Account Qualification
E. High-Level Design Development

Answer: D

QUESTION 43
Which service component within the prepare phase prescribes a set of activities and tasks
to create a business case that cites business and financial justifications for a customer
considering the benefits of investing and adopting a routing and switching solution?

A. Operations Strategy Development
B. Business Case Development
C. High-Level Design Development
D. Technology Strategy Development
E. Business Requirements Development

Answer: B

QUESTION 44
Which two tasks should be addressed when completing test cases in the Staging service component? (Choose two.)

A. Document all product and software defects found during staging.
B. Perform basic out-of-box product boot testing to verify all units will power-up correctly with no hardware faults.
C. Catalog and tag components, devices, and applications to inventory.
D. Verify that hardware and software were received against the bill of materials.

Answer: A,B

QUESTION 45
What should technical requirements and design goals be combined to create?

A. Detailed Design Validation
B. Low-Level Design
C. Service Level Criteria
D. Systems Acceptance Test Plan

Answer: B

QUESTION 46
Which account planning activity within the prepare phase is performed to plan an account for a customer opportunity?

A. Finalize account qualification with the customer.
B. Conduct sales strategy planning sessions.
C. Conduct business requirements workshops with the customer.
D. Qualify the customer opportunity before planning.
E. Assess customer business requirements before planning.

Answer: B

QUESTION 47
Which service component within the prepare phase includes a set of activities and tasks to help plan an account for a customer opportunity?

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A. Account Qualification
B. Business Requirements Development
C. Technology Strategy Development
D. Account Planning
E. High-Level Design Development

Answer: D

QUESTION 48
Which service component within the plan phase prescribes a set of activities and tasks to assess existing network infrastructure and applications to verify their ability to support the proposed routing and switching solution for a customer?

A. Operations Readiness Assessment
B. Security Vulnerability Assessment
C. Site Readiness Assessment
D. Network Readiness Assessment
E. Deployment Project Management

Answer: D

QUESTION 49
Which activity is associated with the task of identifying project parameters and matrices, such as critical success factors, project objectives, cost controls, timeframes, and commitments within the plan phase of the Deployment Project Management service component?

A. Conduct project kickoff workshops.
B. Develop the work breakdown structure.
C. Produce a master project plan.
D. Perform project control and monitoring.
E. Develop a project management plan.

Answer: A

QUESTION 50
Which three test elements need to be documented when producing a business readiness test plan? (Choose three.)

A. endpoint migrations tests
B. feature configuration tests
C. business critical application tests
D. third-party operations and network management application and integration tests

Answer: B,C,D

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QUESTION 51
Which three tasks are performed when conducting sales strategy planning sessions for a customer opportunity within the prepare phase? (Choose three.)

A. Identify key stakeholders and business owners.
B. Understand how the customer quantifies and justifies investments.
C. Identify partner and customer roles and responsibilities.
D. Identify consequences and opportunity costs of not moving forward with this customer account.
E. Determine the minimal level of services, activities, and tasks required to support this account.
F. Determine sales strategies, messaging, and value propositions.

Answer: C,E,F

QUESTION 52
Which task is conducted in developing a staff training plan?

A. Develop and execute a training communication plan.
B. Develop training labs as required.
C. Identify staff development requirements.
D. Identify requirements for supporting future growth of the system.

Answer: A

QUESTION 53
What should staff development requirements be identified against?

A. migration site details
B. business initiatives, goal, and technical activities required to support network infrastructure solution
C. implementation risks
D. third-party business processes

Answer: B

QUESTION 54
Which three pieces of information should be documented as part of conducting the Implementation kickoff meeting? (Choose three.)

A. implementation reports
B. site floor plan
C. detailed equipment list
D. assumptions

Answer: B,C,D

QUESTION 55
Which task is conducted first as part of the Implementation service component?

A. configure hardware and software
B. commission system
C. install hardware and software
D. execute implementation test cases and record results
E. test system connectivity

Answer: C

QUESTION 56
Which task should be performed first when staging components for Implementation?

A. Assemble components in staging area.
B. Catalogue and tag components, devices, and applications to inventory.
C. Perform basic out-of-box product boot testing to verify all units will power-up
correctly with no hardware faults.
D. Verify that hardware and software products were received against the bill of materials.

Answer: D

QUESTION 57
Which service component within the prepare phase includes a set of activities and tasks
to help identify and develop a technology strategy that supports a customer request for a
routing and switching solution to help improve business operations?

A. Technology Strategy Development
B. Operations Strategy Development
C. High-Level Design Development
D. Business Case Development
E. Business Requirements Development

Answer: A

QUESTION 58
What is the first task to consider when developing a detailed design test plan?

A. Develop design test plans.
B. Verify that requirements are included.
C. Execute tests and capture results.
D. Identify and assess the process.
E. Validate results with key stakeholders.

Answer: D

QUESTION 59
When producing a network readiness assessment report for a routing and switching solution, which three tasks are performed prior to presenting the network readiness assessment to the customer? (Choose three.)

A. Develop a network readiness assessment report and identify potential gaps.
B. Finalize network readiness assessment report.
C. Perform gap analysis to identify what is required to support the proposed routing and switching solution.
D. Produce and validate network readiness assessment and recommendations with key stakeholders and business owners.
E. Analyze the proposed routing and switching solution in terms of performance, availability, reliability, resiliency, and security, together with the integration of the legacy architecture.
F. Analyze technical requirements and readiness of the current system to support the proposed routing and switching solution.

Answer: A,B,D

QUESTION 60
Which three business requirement development activities within the prepare phase are performed to help identify and develop business requirements that support a customer request for a routing and switching solution to help improve business operations? (Choose three.)

A. Assess customer requirements to ensure business operational readiness.
B. Identify tools and templates to help develop business requirements.
C. Produce the business requirements document.
D. Identify and assess customer business requirements.
E. Present business requirements.

Answer: C,D,E

QUESTION 61
Which task is conducted during Migration Plan Development?

A. Identify risk and propose a risk mitigation strategy.
B. Obtain and review security procedures and policies.
C. Perform an automated scan of ports to determine potential vulnerabilities.
D. Identify staff development requirements against business initiatives, goal, and technical activities required to support the infrastructure solution.

Answer: A

QUESTION 62

Which task is part of a Staging Plan Development onsite discovery workshop?

A. Identify implementation risks.
B. Verify customer site locations and contacts.
C. Validate network management design.
D. Create test cases.

Answer: D

QUESTION 63

Which three resources are used to support physical and logical design documentation of the operations and network management system? (Choose three.)

A. design templates
B. operation policies
C. standards
D. verification results

Answer: A,B,C

QUESTION 64

When identifying and assessing the technologies and services required for a routing and switching solution, which two tasks are performed prior to producing a technology requirements document for the customer? (Choose two.)

A. Compile the findings into a technology requirements document.
B. Assess and compare the capabilities of available technologies and services that will address the stated business requirements of the customer.
C. Produce a final draft of the technology requirements document for the customer.
D. Determine which technologies and services will create a routing and switching solution to satisfy the identified business requirements.
E. Assess findings and validate the technology requirements with key stakeholders and business owners.

Answer: B,D

QUESTION 65

Which two documents should be part of the Staging Plan Development? (Choose two.)

A. site requirements specification
B. low-level design template
C. staging project plan
D. bill of materials

Answer: A,C

QUESTION 66
Which two tasks are conducted as part of the Migration Plan Development service component? (Choose two.)

A. Analyze the business requirements to identify and align with technology and service requirements.
B. Identify network services to be migrated.
C. Define test scripts, use cases and scenarios that validate both operations and network management and security configurations.
D. Review high-level description of the design requirements, capabilities, features, and functionality of the existing and
proposed infrastructure solution.

Answer: B,D

QUESTION 67
Which definition best describes the service component for High-Level Design Development?

A. a prescribed set of activities and tasks to create a high-level design for a routing and switching solution that addresses the business and technical needs of the customer within the prepare phase
B. a prescribed set of activities and tasks to create a high-level design for a routing and switching solution that addresses the business and technical needs of the customer within the plan phase
C. a systems design component that addresses business and technical requirements of the customer within the plan phase
D. a service component activity to understand the operational requirements from a high-level perspective for supporting the ongoing operation and management of a routing and switching solution

Answer: A

QUESTION 68
In the Deployment Project Management service component within the plan phase, which activity is associated with the task of proposing and gaining agreement on a governance model that will be used to communicate to key stakeholders and business owners?

A. Perform project control and monitoring.
B. Conduct project kickoff workshops.
C. Develop the work breakdown structure.
D. Develop a project management plan.
E. Produce a master project plan.

Answer: B

QUESTION 69
Which service component is conducted in the optimize phase?

A. Business Case Alignment
B. Business Readiness Testing
C. Configuration Management
D. System Acceptance Testing

Answer: A

QUESTION 70
Which task is conducted as part of the Change Management service component in the operate phase?

A. Incorporate any recommended changes back into the design.
B. Perform network audit.
C. Update security signatures.
D. Communicate scheduled changes.

Answer: D