

# ITILSC-OSA<sup>Q&As</sup>

ITIL Service Capability Operational Support and Analysis

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### **QUESTION 1**

Which of the following is NOT an objective of Service Operation?

- A. Thorough testing, to ensure that services are designed to meet business needs
- B. To deliver and support IT Services
- C. To manage the technology used to deliver services
- D. To monitor the performance of technology and processes

Correct Answer: A

### **QUESTION 2**

#### Scenario

Vericom is a leading provider of government, business and consumertelecommunication services, and is currently seeking ways in which toimprove its utilization of IT services to drive growth across its\\' multiplelines of business. One of the largest organizations in the UnitedKingdom, Vericom is comprised of

the following business units:

Verinet (providing ADSL, cable, 3GSM, dialup and satelliteservices) Infrastructure Services (planning,

installing and maintaining the PSTN and mobile network infrastructure)

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Information Technology Services (Shared Service Unit, however some business units also have their own

internalservice provider) Human Resources

Vericom Wholesale (for wholesale of Vericom infrastructureservices)

Due to the extensive scope of infrastructure deployed and largeemployee and customer base, Vericom

continues to rely on legacysystems for some critical IT services; however this is seen asabarrier to future

organizational growth and scalability of servicesoffered. The CIO of Vericom has also raised the concern

that whileimprovements to the technology utilized is important, this also needs to be supported by quality IT Service Management practices employed by the various IT departments.

The project of improving the IT Service Management practices employed by Vericom has been outsourced to external consultants who are aware of the major IT refresh that is going to be occurring over the next 24 months.



Refer to the scenario.

As part of the major refresh of IT systems, it has been agreed that the existing ITIL processes of Incident and Problem Management are notperforming adequately. Recent surveys indicate that:

A high percentage of incidents are being escalated tosecond linesupport staff There is inconsistency in the knowledge captured fordiagnosing and resolving incidents and problems Problem Management is predominantly reactive and typicallyonly executed when a large volume of incidents are identified to be of a common root cause There is little handover of knowledge (including documentation Known Errors) for many releases deployed, creatingsignificant workloads for the support groups in the weeksfollowing deployment.

Which of the following responses BEST represents the way in whichyou would seek to improve the situation?

A. You understand the need to review current practices, soyou compare current practices against those described in the ITIL volume of Service Operation. You perform a gapanalysis, and realize most of the issues relate to inadequate knowledge capture and sharing. You focus on improving this by: Reviewing the tools and systems used, and develop abusiness case for acquiring new Knowledge ManagementSoftware to be used by the IT division. Creating rules for the escalation of incident and problemsso that higher level support groups are not overloaded Improving the level of documentation and knowledgecapture by running incentive programs rewarding staff for the number of contributions made to the knowledgebase Conducting training on how to use the refreshed Incidentand Problem Management processes. Developing performance metrics to be reviewed for Incident and Problem Management

B. You communicate the need to review the situation, invitingvarious stakeholders from the IT departments and otherbusiness units to discuss the issues at hand. Your mainconcern is the lack of communication between various ITgroups, so to improve this you focus on: Improving the Release Policy to be adhered to by thevarious Release and Deployment teams, stating thedocumentation and knowledge transfer requirements forthe different types of releases performed. Developing guidelines, procedures and associatedincentives for the capture of knowledge relating toincidents, problems and general service requests. Conducting training and awareness sessions on therequirements for documentation and knowledge capture. Rotating developers and second line staff through theService Desk every three months Develop consistency in the Early Life Support provided bydesign/specialist staff for major releases Improving the interfaces between Incident and Problem Management, particularly those around escalation andproblem detection. Scheduling regular Proactive Problem Managementreviews, which will look at trends in incidents andproblems, and to identify vulnerable infrastructurecomponents. Developing metrics that will be used to evaluate the valueand performance of the Incident and ProblemManagement processes.

C. You understand the need for compliance to the definedprocesses, as currently many staff do not follow prescribedguidelines and procedures. Your efforts focus on improvingcompliance to the Incident and Problem Managementprocesses by: Auditing the processes, seeking where exceptions todefined procedures occur Running awareness sessions to communicate the valueand importance of the processes in place Modifying existing systems and tools so that improvecompliance to existing processes Evaluating which groups are underperforming to identifyany training that needs to occur

D. You communicate the need to understand more about thecurrent issues, so you invite the Service Desk, Incident,Problem and Release and Deployment managers to a meetingto review the situation. Your main concern is the lack ofdocumentation and knowledge being recorded by various ITgroups, so to improve this you focus on: Defining the requirements for knowledge capture andtransfer (including Known Errors) so that allcommunication is improved Improving the tools and systems used for by the variousgroups for knowledge capture and transfer Creating rules for the escalation of incident and problemsso that higher level support groups are not overloaded Develop consistency in the Early Life Support provided bydesign/specialist staff for major releases Assigning responsibility to the lead infrastructure architectto oversee Proactive Problem Management. Conducting training on how to use the refreshed Incidentand Problem Management processes. Rotating Service Desk staff through higher level supportteams every three months Developing performance metrics to be reviewed forIncident and Problem Management

Correct Answer: B

# **QUESTION 3**

### Scenario

Brewster/\'s is a toy factory that has been in business for 30 years. The company started with a small family run shop and has grownconsistently over the years. They are now supplying toy storesnationwide and are considered to be the primary supplier of children/\'scollectable novelty erasers.

Brewster\\'s IT department is relatively small (currently 15 staff) butefficient. They have recently employed an IT Manager in an attempt improve the management of the infrastructure, as well as moreeffective use of resources and identification of areas for improvement.

The Brewster\\'s management teams do not have a lot of ITknowledge. The newly appointed IT Manager is very ITIL focusedand wants to implement as many ITSM processes as is appropriate there are currently no formal processes in place. On starting with the company the IT Manager completed an internal assessment of the ITinfrastructure ?including staff skills analysis, and collated the results from customer satisfaction surveys completed over the last 5 years.

The main areas of concern are as follows:

Responses from customer satisfaction survey:

Overall a consistent satisfaction level. However, responses completed during the past 12 months show an increase in customers who were unsatisfied with call waiting times when contacting the service desk for help with online orders and requests for information.

Customers added the following additional comments:

"Never get to speak to the same person twice when dealing with an Incident number, had to call several times to receive follow up on progress" "Some of the Service Desk staff seem under qualified to deal with my questions about new applications/incidents/service requests"

Results from Staff Skills Analysis:

Staff, in general, have a good knowledge of IT systems and a basic understanding of the business processes and objectives. However, staff are not well informed of upcoming releases of new or changed services and not given adequate information to relay to the customers.

Staff added the following additional comments:

"Communication between Service Operation departments has become inefficient - there are meetings for the sake of meetings, but the important information we need to know to do our day to day jobs is lacking"



"I still don\\'t know what half of the people do, that work in the IT department!"

Results from General IT Infrastructure assessment:

Lack of event monitoring and planning

Lack of input from Operational Support departments into Service Design Lack of skill and information

sharing across the Operational Support teams with regards to Incident, Problem, Workarounds and Known

Error data. Little to no proactive activities being carried out.

Refer to Scenario

Through further investigation you identify that there is no formal means of collecting data to identify service

improvement, other thancustomer surveys. These are very subjective and do not give abalanced picture

regarding quality of service. Through discussions with the Continual Service ImprovementManager, you

decide to start collecting a range of metrics to helpidentify service improvements.

Which metrics would be relevant to Service Desk?

A. % of calls resolved by Service Desk Average time to identify incident Average time to escalate incident % of user updates conducted within target times Customer feedback Average Service Desk cost of handling incident

B. % of calls resolved by Service Desk Averagetime to resolve incident Averagetime to escalate incident % of customer updates conducted within target times Customerfeedback AverageService Desk cost of handling incident

C. o % of calls answered by Service Desk Averagetime to escalate incident % of customer updates conducted within Service Deskhours Customerfeedback Averagecost of handling incident

D. % of calls answered by Service Desk Averagetime to resolve problems Averagetime to escalate problem % of customer updates conducted within Service Desktimes Customerfeedback Averagecost of handling problem

Correct Answer: B

# **QUESTION 4**

# Scenario

Vision Media is an international media organization, operating variouslines of business including:

Film Production Television (production and delivery of their own channel in the United States VisionOne) Print media (including newspapers in 15 countries) Online Advertising

The organization has recently been restructured, and now iscomprised of the following companies and departments:

Vision Films (production of movies and television shows) VisionOne (television channel) VisionNews (coordinates all of the sub-companies involved in the delivery of printed newspapers, as well as being the centralized source of news information for all company owned media outlets) VisionNet (managing the online and internet businesses) Legal Services Finance and Administration Human Resources Information Technology

The organization is also actively pursuing growth in the online market, and is currently holding discussions with the

leading online newsprovider about the possible acquisition of their company. This would increase the overall size of Vision Media by around 15%.

The Information Technology department acts as a Shared ServiceUnit, providing IT Services to all of sub-companies and departments, which complement some of the Internal Service Providers that alsoexist. The director of Information Technology has realized the need to improve the quality of services offered by implementing ITIL, and hasdecided to do so using a phased approach. Some of the ServiceDesign and Service Transition processes have already beenimplemented, and they are now planning the implementation of Service Operation.

While the IT director does have tentative support from the otherdirectors and CEO, budgets for implementing the Service Operationprocesses have not been finalized, and still require a business caseto be formally submitted.

There is some confusion as to how the process of AccessManagement should be designed. In particular, there is debate as tohow the process should be integrated into the overall approach of ITService Management within Vision Media. The IT director has askedfor submissions from some of her staff, describing how they thinkAccess Management should be designed.

Which of the following submissions describes the most appropriateway in which to design and implement Access Management withinVision Media?

A. The design of a quality Access Management process will need toconsider the current state of IT Service Management that exists withinthe IT department, as well as the organizational requirements of Vision Media in general. This will require interfaces to be created with: Information Security Management: Which is responsible for the development and renewal of security policies, guidelines and procedures, which are then executed by AccessManagement Service Level Management: Which is responsible defining the customer requirements for access to IT services Request Fulfillment: Access Management will often betriggered by Service Requests, taken by the Service Desk orsubmitted using automated and self-help mechanisms Change Management: Request for Changes (RFCs) will often involve modification of access rights Demand Management: Which will provide information as to the patterns of business that will generate requests for access. Outside the scope of IT Service Management, some of the interfacesthat will also need to be created are: Human Resources: So that effective (and automated)communication exists to assist in the creation, modification, removal and audit of access rights. General: Direct requests from department managers Requests for enabling increased access for VIP staff

B. The design of an efficient Access Management process will need toaccount for the existing IT Service Management processes alreadyimplemented within the IT department, as well as the HumanResource requirements of Vision Media in general. This will requireinterfaces to be created with: Information Security Management: Which is responsible for the development and renewal of security policies, guidelinesand procedures, which are then executed by AccessManagement Capacity Management: Which is responsible for the design of systems and infrastructure, which are in turn supported byAccess Management Knowledge Management: Each Knowledge base will requirevarious levels of access to be defined and enforced. Change Management: Request for Changes (RFCs) will ofteninvolve modification of access rights Demand Management: Which will provide information as tothe patterns of business thatwill generate requests foraccess Outside the scope of IT Service Management, some of the interfaces that will also need to be created are: Legal Services: So that the Legal department can verify the request for access is appropriate and lawful. ?General: Direct requests from department managers Requests for enabling increased access for VIP staff

C. It is important that the implementation of Access Managementconsiders a number of key interfaces with existing IT ServiceManagement processes, as well as other business processes, toensure success and satisfaction of its defined objectives. Thisincludes: Information Security Management: Which is responsible forthe development and renewal of security policies, guidelinesand procedures, which are then executed by AccessManagement Availability Management: Which is responsible for the designof security systems and infrastructure, which are in turnsupported by Access Management Request Fulfillment: Access Management will often betriggered by Service Requests, taken by the Service Desk orsubmitted using automated and self-help mechanisms Change Management: Request for Changes (RFCs) will ofteninvolve modification of access rights Configuration Management: Which can be used to recordrelationships between users and systems they can access. Outside the scope of IT Service Management, some of the interfaces that will also need to be created are: Human Resources: So that effective (and automated) communication exists to assist in the creation, modification, removal and audit of access rights. General: Direct requests from department managers Requests for enabling restricted access to contractorsand external suppliers



D. Access Management will need to be implemented in isolation from existing IT Service Management processes already in place at VisionMedia so that its\\' integrity can be ensured. The only exception to this Information Security Management, which is responsible for the development and renewal of security policies, guidelines and procedures. Access Management uses these as formal inputs, which are then executed accordingly.

Correct Answer: C

## **QUESTION 5**

Scenario

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Service Management practices employed by the various IT departments.

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Refer to the scenario.

The Verinet business unit which provides internet services is currentlyfacing increased competition from other Internet Service Providersseeking to entice Verinet customers away with offerings such as freeVOIP (voice over internet protocol) and Naked DSL (unconditionedlocal loop). To combat this, Verinet wishes to develop a newmarketing campaign highlighting the high quality and availability ofservices offered. Before this occurs, the Service Manager within Verinet (who haspreviously implemented ITIL in other organizations) hadrecommended implementing Event



Management to assist in the continued ability for providing high quality, highly available internetservices to the UK population. She has been faced by someresistance, who believe that it is not required as Capacity, Availability, Incident and Problem Management have already been implemented.

Which of the following would be the BEST response to the Veritnetdirectors in describing the benefits of introducing Event Managementto Verinet?

A. The implementation of Event Management to complementexisting ITIL processes within Verinet will have a number of significant benefits. The value to the business of implementing the process is directly seen by the following benefits: Improved speed for Incident and Problem Management for identifying and analyzing the cause and potential effect Improved ratio of used licenses against paid for licenses Percentage re-use and redistribution of underutilized assetsand resources Improved aliment between provided maintenance and business support Improvement in maintenance scheduling and management for Cls

B. The implementation of Event Management to complementexisting ITIL processes within Verinet will have a number of significant benefits. The value to the business of implementing the process is generally indirect, but would support anenhanced ability to provide high quality and high availability internet services by: Providing mechanisms for the early detection of incidents and problems before they impact customers Notify the appropriate staff of status changes or exceptions that so that they can respond quickly Providing a basis for automated operations, increasing efficiency and allowing human resources within Verinet to bebetter utilized Providing improved visibility as to the events and interactions that occur within the IT infrastructure Providing performance and utilization information and trendsthat can be used for improved capacity planning and systemdesign

C. The implementation of Event Management to complementexisting ITIL processes within Verinet will have a number of significant benefits. The value to the business of implementing the process is generally indirect, but would support anenhanced ability to provide high quality and high availability internet services by: Providing mechanisms for the early detection of incidents and problems before they impact customers Developing capabilities for the monitoring of critical components of the IT infrastructure for disruptions or breachof utilization thresholds Automating the notification of key staff when exception events occur Providing improved visibility as to the events and interactions that occur within the IT infrastructure Reducing the time requirements of manual activities performed by IT staff as part of preventative maintenance.

D. The implementation of Event Management to complementexisting ITIL processes within Verinet will have a number of significant benefits. The value to the business of implementing the process is directly seen by the following benefits: Reduced SLA breaches Reduced times required for diagnosis and root-cause analysis of problems Reducing ratio of high priority incidents Reduced Mean Time to Restore (MTTR) for incidents Improved availability levels Improved delivery of capacity and performance, with fewercapacity related incidents.

Correct Answer: B

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