



Australian Government

ICTSAS414 Evaluate system status

Release: 1

ICTSAS414 Evaluate system status

Modification History

| Release | Comments |
|-----------|--|
| Release 1 | This version first released with ICT Information and Communications Technology Training Package Version 1.0. |

Application

This unit describes skills and knowledge required to evaluate the status of a running system, covering both hardware and software aspects to determine system performance and reliability.

It applies to individuals who apply specialised and technical knowledge and a systematic approach to assessing and evaluating systems prior to problem resolution or upgrades.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Systems administration and support

Elements and Performance Criteria

| ELEMENT | PERFORMANCE CRITERIA |
|--|---|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i> |
| 1. Determine scope and evaluation parameters | 1.1 Determine scope of the system evaluation 1.2 Comply with organisational requirements when planning a 'change of status' test 1.3 Review reason for the evaluation, its objectives, deliverables and key performance indicators, using appropriate capacity tools 1.4 Plan and document status evaluation and factor in time, environment, internal and external issues 1.5 Alert affected users if evaluation is likely to impact their operations 1.6 Develop a plan for the evaluation and identify resources and methods to be used |

| ELEMENT | PERFORMANCE CRITERIA |
|-------------------------|--|
| 2. Carry out evaluation | <p>2.1 Organise required resources as outlined in the plan, and put in place manual or computerised evaluation methods</p> <p>2.2 Run evaluation process according to agreed scope and evaluation parameters</p> <p>2.3 Record status as per procedural parameters and plan</p> <p>2.4 Observe and document during evaluation the effects of changes to system status that are made, according to effect being evaluated</p> <p>2.5 Observe and record effects not listed and that may require further investigation</p> |
| 3. Report on evaluation | <p>3.1 Prepare a report to the appropriate person, indicating results of status check in the documentation</p> <p>3.2 Highlight anomalies observed in status check that are outside the expected results</p> <p>3.3 Make recommendations for changes to improve system</p> |

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

| Skill | Performance Criteria | Description |
|----------------------|-----------------------------|---|
| Reading | 1.3, 2.4, 2.5 | <ul style="list-style-type: none"> Analyses and evaluates technical and non-technical information and numerical data from a range of sources to assist with fault finding and troubleshooting problems |
| Writing | 1.4-1.6, 2.3-2.5, 3.1, 3.2 | <ul style="list-style-type: none"> Prepares material using clear and accurate language and numerical data in order to convey explicit information, requirements and recommendations |
| Oral Communication | 1.5 | <ul style="list-style-type: none"> Participates in verbal exchanges with a range of stakeholders to obtain information and express requirements |
| Numeracy | 1.4, 2.4, 2.5, 3.1, 3.2 | <ul style="list-style-type: none"> Uses mathematical equations to calculate and compare numerical data to determine required actions and for preparing technical reports |
| Interact with others | 1.5, 3.1 | <ul style="list-style-type: none"> Selects and uses appropriate conventions and protocols when communicating with client and others in a range of work contexts |

| | | |
|-------------------|---|--|
| Get the work done | 1.1-1.4, 1.6, 2.1, 2.2, 2.4, 2.5, 3.1-3.3 | <ul style="list-style-type: none"> • Takes responsibility for planning, sequencing and prioritising tasks and own workload for efficiency and effective outcomes • Uses formal analytical thinking techniques for identifying issues and generating possible solutions • Uses main features and functions of digital tools to complete work tasks |
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Unit Mapping Information

| Code and title current version | Code and title previous version | Comments | Equivalence status |
|--|---|---|-----------------------|
| ICTSAS414 Evaluate system status | ICASAS414A Evaluate system status | Updated to meet Standards for Training Packages | Equivalent unit |

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>