



Australian Government

ICTSAS407 Conduct pre-installation audit for software installation

Release: 1

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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 the skills and knowledge required to identify and appraise critical pre-existing systems or components prior to the installation of software, including establishing compatibility and interoperability requirements.

It applies to individuals who apply technical and specialised software development knowledge and systematic approaches to determine client/system software requirements.

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. Assess compatibility of existing software	1.1 Confirm details of software loaded on client system from actual system and from existing system documentation 1.2 Identify software prerequisites for new software 1.3 Confirm customer requirements with technical specifications 1.4 Confirm and assess compatibility issues against installation plan and cost constraints 1.5 Document recommendations on variances, level and software consistency for consideration by appropriate person

ELEMENT	PERFORMANCE CRITERIA
2. Confirm interoperability of software with environment	2.1 Confirm no conflicts between new software and previously installed software and hardware 2.2 Measure degree of interoperability between software 2.3 Confirm interoperable functioning of all software involved
3. Assess system capacity to install ordered software	3.1 Obtain details of current system memory, disk, available disk storage, and other specific hardware requirements from investigation of system and system documentation 3.2 Confirm hardware prerequisites for new software are met, implications noted and minimum requirements identified 3.3 Confirm and assess capacity issues against installation plan and cost constraints 3.4 Document recommendations on variances in capacity for consideration by appropriate person
4. Prepare and distribute audit report	4.1 Document findings, recommendations and impact on project in a manner appropriate for target audience 4.2 Present and distribute the audit analysis report according to organisational standards and procedures

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	1.1-1.3, 3.1	Compares and contrasts complex technical information and numerical/financial data from a range of sources to determine client requirements and complete necessary actions
Writing	1.5, 3.2, 4.1, 4.2	Develops material containing specific requirements using clear and technical language, and organises content in a manner that supports the purpose of the document
Oral Communication	1.3, 1.5, 3.4, 4.2	Obtains information by listening and questioning, and participates in verbal exchanges with a range of stakeholders, using detailed and clear language to express requirements and present information

Numeracy	1.4, 2.2, 3.1-3.4, 4.1	Uses mathematical equations to calculate and compare numerical data against technical and financial requirements, and to determine required actions
Interact with others	1.3, 1.5, 3.4, 4.2	Selects and uses appropriate conventions and protocols when communicating with client and others in a range of work contexts
Get the work done	1.1-1.5, 2.1-2.3, 3.1-3.4, 4.1	- Takes responsibility for planning, sequencing and prioritising tasks and own workload for efficiency and effective outcomes - Uses formal analytical thinking techniques for identifying and documenting issues - Uses main features and functions of digital tools to complete work tasks

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTSAS407 Conduct pre-installation audit for software installation	ICASAS407A Conduct pre-installation audit for software installation	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for ICTSAS407 Conduct pre-installation audit for software installation

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Performance Evidence

Evidence of the ability to:

- assess capability of hardware on which new system is to be installed
- assess capacity of hardware to run the installed system
- confirm new systems will operate cooperatively with existing systems
- prepare an audit report and relevant documentation
- distribute the documentation.

Note: Evidence must be provided for at least TWO installations.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- compare and contrast current industry accepted hardware and software product
- analyse a client business domain and the current information and communications technology (ICT) system functionality
- describe the key features of:
 - quality assurance practices
 - risk management practices
- describe the role of stakeholders and the degree of stakeholder involvement.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the systems administration and support field of work and include access to:

- special purpose tools, equipment, materials and industry software packages
- documentation tools

- operational system and system specifications
- technical specifications of software to be installed.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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