

Care for Computer Hardware

ICAS3234B



Ref No: DDICAS34B

Elements of Competency

Establish safe work practices

- 1.1 Determine, record and apply relevant legal requirements and *OH&S standards* to the installation and maintenance of computer *hardware*
- 1.2 Determine, record and apply requirements specified by *hardware* manufacturers
- 1.2 Determine, record and apply *safe work practices*, taking into account legal and manufacturer requirements

Establish location requirements for hardware and peripherals

- 2.1 Determine and apply suitable environmental conditions for hardware and peripherals
- 2.2 Determine and apply *system protection devices*
- 2.3 Determine and apply requirements when moving *hardware*
- 2.4 Determine and apply suitable storage principles for *hardware* and associated *peripherals* and media

Establish maintenance practices

- 3.1 Determine maintenance requirements specified by the *equipment* manufacturer
- 3.2 Produce *maintenance* schedules, including removal of dust and grease build-up
- 3.3 Perform diagnostic functions, including replacing suspect *components* with other serviceable *components* and reloading of associated *software*
- 3.4 Determine whether unserviceable *components* are replaceable through warranty, replacement or upgrade
- 3.5 Perform diagnostic functions using the *operating system* and third-party diagnostic tools

Determine appropriate hardware quality standards

- 4.1 Consider and apply *business requirements* in respect of hardware matters
- 4.2 Determine and apply quality standards to the selection of appropriate *hardware* and associated *peripherals*

Number of Pages

56

Audience

This manual is aimed at people who are studying the Certificate III in Information & Communications Technology ICA30105. It covers the core unit of ICAD3218B Create User Documentation (Word 2007). This manual is a learning resource and is not an assessment tool. An Assessment Tool & Marking Guide is available for this manual separately.

Prerequisites & Corequisites

A sound Introductory knowledge of Microsoft Windows XP/Vista is necessary

Course Length

In a training environment this manual is suitable for approximately 20 hours.

Course Structure

The course contains instructor lead exercises as well as examples completed at the students' own pace.

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Computer Hardware

Types of Hardware

Network Hardware

Organisational Usage

OH & S Standards and Practices

State Acts

Standards

Lighting

Ventilation

Ergonomic Setup

Moving hardware

Electrical Safety

Cabling

Manufacturer Requirements

Hardware Protection and Maintenance

Hardware Maintenance Schedule

Cleaning

Servicing

Software Diagnostics

Storage Checks

System Protection Devices

Hardware Replacement

Business Rules

Replacement Diagnosis

Internal Diagnostic Checks

Sourcing Hardware

Hardware Installation

Plug and Play (PnP)

Non Plug and Play

Post Installation