

Operate Computer Hardware

ICAU2005B



Ref No: DDICAU05A

Elements of Competency

Identify computer hardware components

- Identify *external hardware* components and peripherals
- Identify *internal hardware* components

Understand the inter relationship between computer hardware and software

- Describe the functions of computer *hardware* and associated *OH&S standards* and *environmental considerations* around *hardware* use and disposal
- Describe the function of a computer operating system
- Describe the boot process
- State the relationship between an application program, the operating system and *hardware*
- State the general differences between the different *computer platforms* and their respective operating systems
- Draw a simple block (schematic) diagram showing the interconnection of the various components of a computer

Use computer input equipment

- Follow *OH&S standards* and *organisational policies* and procedures when using computer input equipment

Number of Pages

45

Audience

This manual is aimed at people who are studying the Certificate II in Information & Communications Technology ICA20105. It covers the core unit of ICAU2005B Operate Computer Hardware. This manual is a learning resource and is not an assessment tool.

Prerequisites

It is assumed that participants using this manual have a basic knowledge of the use of a mouse and keyboard.

Course Length

In a training environment this manual is suitable for approximately 8 hours.

Course Structure

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

Operate Computer Hardware

ICAU2005B



Elements of Competency

Prerequisites

Who should use this Manual?

Computer Hardware

Internal Hardware

Power Supply

Motherboard

The Central Processing Unit (CPU)

Random Access Memory (RAM)

Video Cards

Sound Cards

Network Interface Card

(NIC)

Hard Disk Drives

CD-ROM/DVD-ROM

Drives

External Hardware

System Case

Keyboards

Mouse

Error! Bookmark

not defined.

Monitor

USB: Universal Serial Bus

Hardware Peripherals

Printers

Speakers

Modems

Cabling

USB Flash Drive

Palm Pilots

Uninterruptible Power

Supply (UPS)

Apple MAC Hardware

Operating Systems

How They Work

Operating system types

The computer boot

process

Organisational Usage

Occupational Health and

Safety (OH&S)

Hardware Maintenance

Software Maintenance

Policy

Environmental

Considerations