Systems and Principles Unit Syllabus

Level 2 Install, configure and test ICT Networks

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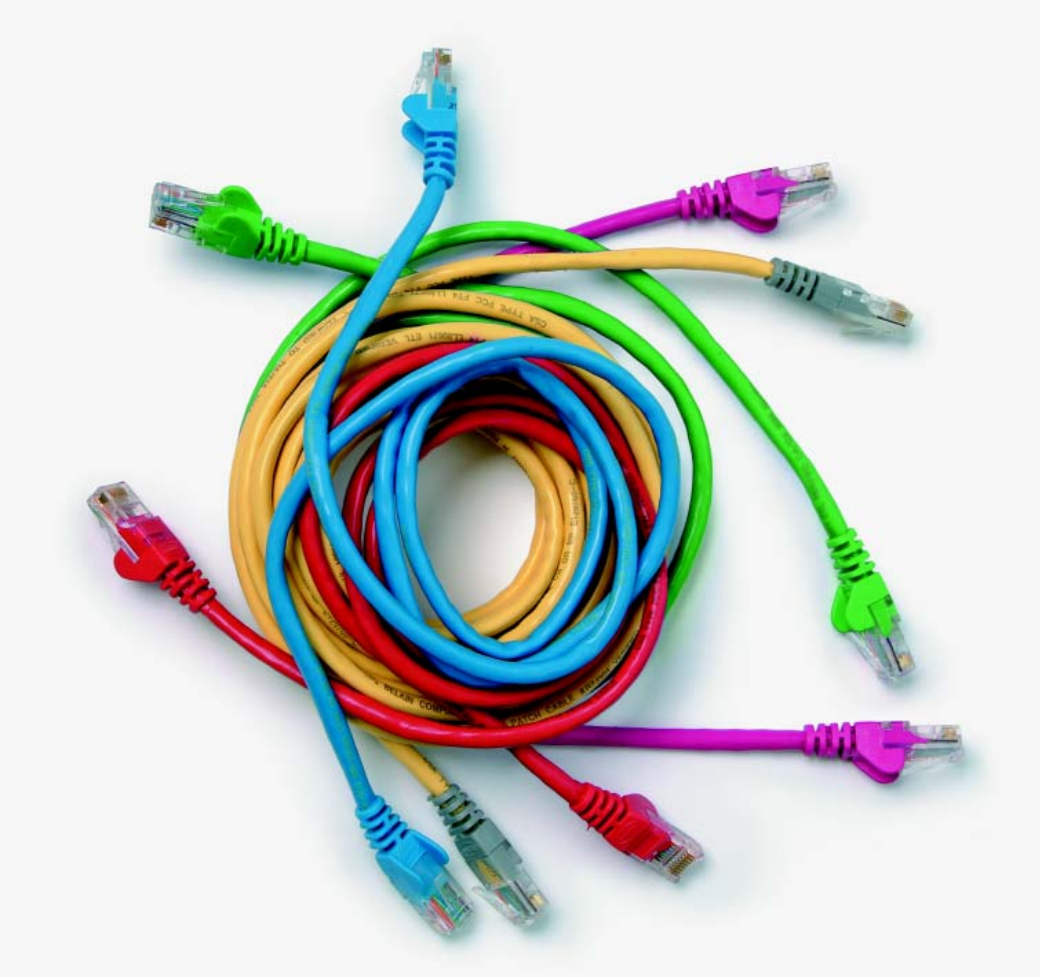

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Unit 235 Install, configure and test ICT Networks

Syllabus Overview

Unit accreditation number **H/501/3990**

Credit value **9**

Rationale

The aim of this unit is to enable candidates to install, configure and test ICT networks to identify terminology, configure and test software and resolve any problems with the installed software as well as being able to uninstall it.

Learning outcomes

There are **five** outcomes to this unit. The candidate will be able to:

- Identify network concepts and terminology
- Configure installed software
- Test and install software and resolve problems
- Operate installed software
- Uninstall standard application software

Guided learning hours

It is recommended that **75** hours should be allocated for this unit. This may be on a full time or part time basis.

Connections with other qualifications

This unit contributes towards the knowledge and understanding required for the Level 2 Diploma in ICT Professional Competence

Assessment and grading

Assessment will be by means of a **set assignment** covering practical activities and underpinning knowledge.

Install, configure and test ICT Networks

Outcome 1 Identify network concepts and terminology

Underpinning knowledge

The candidate will be able to:

1 check availability of resources recommended in software installation instructions
2 perform data back up prior to carrying out a new installation
3 virus check installation software
4 install software according to manufacturer's instructions and given installation plan
5 check that the system functions after installation of software
6 complete registration documentation and/or installation records
7 report any problems encountered

Install, configure and test ICT Networks

Outcome 2 Configure installed software

Underpinning knowledge

The candidate will be able to:

1. state that multiprogramming/multitasking is a term used to describe the technique of having more than one program in the computer's memory at the same time
2. configure to restore default settings
3. add and remove components of installed software
4. upgrade existing software by
    - a downloading from the Internet/LAN
    - b using upgrade supplied on disk

Install, configure and test ICT Networks

Outcome 3 Test and install software and resolve problems

Underpinning knowledge

The candidate will be able to:

1 prepare a software test plan, including
   - a system being used
   - b tests/monitoring to be undertaken
   - c diagnostics to be used
   - d expected results
   - e recording of results

2 test software following installation

3 test software in response to a reported problem

4 use simple initial corrective actions to resolve problems

5 use utility software, including
   - a system monitor, file checker etc, supplied with operating system
   - b a proprietary utilities package

6 repair damaged software by reinstalling software components

7 report outcome of repair procedures and provide a testing report

Install, configure and test ICT Networks

Outcome 4 Operate installed software

Underpinning knowledge

The candidate will be able to:

1 open different software applications on a workstation

2 open individual files within software applications

3 enter data into a file

4 save a file to a default location using both the same and different file names

5 print test data from software applications

6 close files and shut down software applications

7 adjust basic settings of software to suit individual needs

Install, configure and test ICT Networks

Outcome 5 Uninstall standard application software

Practical skills

The candidate will be able to:

1 interpret a problem specification

2 record registration details of software to be uninstalled

3 carry out any required back up of data before software is uninstalled

4 uninstall software

5 check the integrity of a system after the removal of software

6 complete software records

Unit record sheet

Use this form to track your progress through this unit.

Tick the boxes when you have covered each outcome. When they are all ticked, you are ready to be assessed.

Outcome	✓	Date
1 Identify network concepts and terminology	☐	
2 Configure installed software	☐	
3 Test and install software and resolve problems	☐	
4 Operate installed software	☐	
5 Uninstall standard application software	☐	

Candidate Signature ..... **Date** .....

City & Guilds Registration Number .....

Quality nominee (if sampled) ..... **Date** .....

Assessor Signature ..... **Date** .....

External Verifier Signature (if sampled) ..... **Date** .....

Centre Name ..... **Centre Number** .....

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