

## Unit 116: Data Management Software Level 1

Level: 1

Credit value: 2

Guided learning hours: 15

Learning Outcomes	Assessment Criteria	Examples
<p>The learner will:</p> <p>1. Enter, edit and maintain data records in a data management system</p>	<p>The learner can:</p> <p>1.1 Identify the <b>security procedures</b> used to protect data</p> <p>1.2 <b>Enter data</b> accurately into records to meet requirements</p> <p>1.3 Locate and <b>amend individual data records</b></p> <p>1.4 <b>Check data records</b> meet needs, using IT tools and making corrections as necessary</p> <p>1.5 Respond appropriately to data entry <b>error messages</b></p> <p>1.6 Follow local and/or legal <b>guidelines for the storage and use of data</b> where available</p>	<p><b>Enter data:</b> Use of data entry form; create new record; add record to table</p> <p><b>Amend data records:</b> Find, search and replace; edit record</p> <p><b>Check data records:</b> Spell check, format, accuracy, consistency, remove duplication, verify data</p> <p><b>Security procedures:</b> Access control; authorised use, password protection and management, user authentication</p> <p><b>Error messages:</b> Due to field size, data type, validation checks; duplicate records; format; using help</p> <p><b>Guidelines for data storage and use:</b> Set by: employer or organisation. Topics covered: security, backup, data format, compliance and reporting, data protection, confidentiality; File management will vary according to the application</p>
<p>2. Retrieve and display data records to meet requirements</p>	<p>2.1 <b>Search for and retrieve</b> information using pre-defined methods to meet given requirements</p> <p>2.2 Identify which report to run to output the required information</p> <p>2.3 Select and view specified <b>reports</b> to output information to meet given requirements</p>	<p><b>Search and retrieve:</b> Display selected records; Alphanumeric sort, filter, single criteria, queries, filters</p> <p><b>Reports:</b> Accessing reports that have already been run; using menus or shortcuts, report templates to produce standard reports based on current data</p>

## Unit purpose and aim

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This is the ability to use a software application designed to store and retrieve data needed for a variety of business functions. It also includes an understanding of the features and facilities of the software and the purpose for which the data is stored. Data management software is often implemented on relational database systems by providing pre-defined file and record structures, processes, reports and data-entry screens. This is about the use of these pre-defined objects.

The user at this level can use basic data management software tools and techniques to:

- enter straightforward or routine information using pre-set data-entry screens;
- retrieve information by running pre-defined methods; and
- produce reports using predefined menus or short cuts.

The tools and techniques at this level are defined as:

- the tools and functions will be predefined or commonly used; and
- the techniques for inputting, manipulation and outputting data will be straightforward or routine.

The structure and functionality of the data management system will be predefined. Any aspects that are unfamiliar will require support and advice from others.

## Details of relationship between the unit and national occupational standards

This unit maps fully to competences outlined in IT User National Occupational Standards version 3 (2009).

## Assessment

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All ITQ units may be assessed using any method, or combination of methods, which clearly demonstrates that the learning outcomes and assessment criteria have been met.

Assessments must also take into account the additional information provided in the unit Purpose and Aims relating to the level of demand of:

- the activity, task, problem or question and the context in which it is set;
- the information input and output type and structure involved; and
- the IT tools, techniques or functions to be used.

See Recommended Assessment Methods in the ITQ Centre Handbook.

## Evidence requirements

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An evidence checklist must be completed without gaps.

## Guidance on assessment and evidence requirements

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Please refer to the centre handbook for ITQ 2009.