

Unit 403

Contribute to the design and development of an information system

UAN:	A/506/1950
Level:	4
Credit value:	5
GLH:	23
Relationship to NOS:	Business & Administration (2013) National Occupational Standards: <ul style="list-style-type: none">• CFABAD111 Support the design and development of information systems
Assessment requirements specified by a sector or regulatory body:	All Assessment Criteria must be met and assessed in line with Skills CFA Assessment Strategy.
Aim:	This unit aims to develop the knowledge and skills required to contribute to the design and develop an information system. Upon completion of this unit learners will have an understanding of information system design requirements and will be able to contribute to the specification of an information system, as well as recommending options for information system development.

Learning outcome
The learner will: <ol style="list-style-type: none">1. Understand information system design requirements.
Assessment criteria
The learner can: <ol style="list-style-type: none">1.1 analyse the requirements, advantages and limitations of different ways of storing and managing information in an organisation1.2 assess the ways in which information can be used by an organisation1.3 evaluate the implications of data protection requirements for the design of an information system.

Assessment Guidance/ Evidence Requirements

For this learning outcome, you will need to research the assessment criteria and present a report showing your analysis, the way information is used by organisations and your evaluation of the implications of data protection requirements

Evidence may be provided by

- report
- professional discussion
- questioning

Learning outcome

The learner will:

2. Be able to contribute to the specification of an information system.

Assessment criteria

The learner can:

- 2.1 identify the users and **stakeholders** of an information system
- 2.2 identify the information that will be managed within a system
- 2.3 analyse the impact of budgetary constraints on the design of an information system
- 2.4 specify the functionality of a system that is capable of delivering agreed requirements
- 2.5 specify access and security restrictions and systems that meet the design specification of an information system
- 2.6 identify resources needed to implement and operate the system
- 2.7 adhere to organisational policies and procedures, legal and ethical requirements when contributing to the specification of an information system.

Assessment Guidance/ Evidence Requirements

Stakeholders

A stakeholder is anyone who has an interest in the use of the information system or a user of such system

Evidence may be provided by

- report
- professional discussion
- questioning
- witness testimony

Learning outcome

The learner will:

3. Be able to recommend options for the development of an information system.

Assessment criteria

The learner can:

- 3.1 evaluate the advantages and limitations of proprietary and customised information systems
- 3.2 evaluate the advantages and limitations of designing a system in-house and commissioning a system from an external source
- 3.3 identify the implications of testing information systems before finalising the specification
- 3.4 justify recommendations for the development of an information system based on an analysis of cost-effectiveness and functionality.

Assessment Guidance/ Evidence Requirements**Evidence may be provided by**

- report
- professional discussion
- questioning

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Supporting information

Guidance

For this unit the candidate's report can outline how they worked through the unit, which may also include additional evidence from, eg witness testimony. A report at this level would be in excess of 2000 words