

<b>Unit Title:</b>	<b>Contribute to the design and development of an information system</b>
OCR unit number:	5
Level:	4
Credit value:	5
Guided learning hours:	23
Unit reference number:	A/506/1950

## Unit aim and purpose

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 Outcomes	Assessment Criteria	Additional Guidance
<b>The Learner will:</b> 1 Understand information system design requirements	<b>The Learner can:</b> 1.1 Analyse the requirements, advantages and limitations of different ways of storing and managing information in an organisation 1.2 Assess the ways in which information can be used by an organisation 1.3 Evaluate the implications of data protection requirements for the design of an information system	
2 Be able to contribute to the specification of an information system	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 <b>security restrictions</b> and systems that meet the design specification of an information system	<b>Security restrictions</b> may include: <ul style="list-style-type: none"> <li>• Password protection</li> <li>• Auto-locking/timeout</li> <li>• Assigned levels of</li> </ul>

Learning Outcomes	Assessment Criteria	Additional Guidance
	<p>2.6 Identify <b>resources</b> needed to implement and operate the system</p> <p>2.7 Adhere to <b>organisational policies and procedures, legal and ethical requirements</b> when contributing to the specification of an information system</p>	<p>user access</p> <ul style="list-style-type: none"> <li>• Firewalls</li> <li>• Encryption of software</li> <li>• Assigned administrators</li> </ul> <p><b>Resources</b> may include:</p> <ul style="list-style-type: none"> <li>• Human resource</li> <li>• Equipment/hardware</li> <li>• Software</li> <li>• Training</li> <li>• Instruction manuals</li> <li>• Remote services</li> </ul> <p>Where possible, adherence to <b>organisational policies and procedures, legal and ethical requirements</b> should be confirmed by a line manager or experienced colleague.</p>
3 Be able to recommend options for the development of an information system	<p>3.1 Evaluate the advantages and limitations of proprietary and customised information systems</p> <p>3.2 Evaluate the advantages and limitations of designing a system in-house and commissioning a system from an external source</p> <p>3.3 Identify the implications of testing information systems before finalising the specification</p> <p>3.4 Justify recommendations for the development of an information system based on an analysis of cost-effectiveness and functionality</p>	

## Assessment

This unit is internally assessed by centre staff and externally verified by OCR Assessors.

## Guidance on assessment

Skills CFA Assessment Strategy Competence units (S/NVQ)

## National Occupational Standards (NOS) mapping/signposting

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The mapping in the table below provides an indication of where evidence might be available for assessment against some of the knowledge and understanding contained in the national occupational standards (NOS). It does not claim to guarantee that evidence will meet the NOS.

NOS can be viewed on the relevant Sector Skills Council's website or the Occupational standards directory at [www.ukstandards.co.uk](http://www.ukstandards.co.uk).

Occupational standards	Unit number	Title
Business & Administration (2013) National Occupational Standards:	CFABAD111	<ul style="list-style-type: none"><li>Support the design and development of information systems</li></ul>

## Additional information

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For further information regarding administration for this qualification, please refer to the OCR document '*Admin Guide: Vocational Qualifications*' (A850) on the OCR website [www.ocr.org.uk](http://www.ocr.org.uk).