



Regulated Qualifications Unit and Assessment Specification

Unit title	Research a Design Concept
Regulator unit code	F/601/6485
SQA unit code	H8A8 70
SSC Ref	DES10

History of changes

Publication date: July 2016

Version: 02 (October 2017)

Version number	Date	Description	Authorised by
02	October 2017	Unit Specification updated to reflect current Ofqual terminology.	Qualifications Officer

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Regulated qualifications unit specification

Title	Research a Design Concept	
Level	3	
Credit value	4	
Learning outcomes	Assessment criteria	
The learner will:	The learner can:	
1	Establish client needs and design requirements.	<p>1.1 Determine and evaluate user/client needs.</p> <p>1.2 Clarify specifications, parameters and constraints of the design challenge in consultation with relevant stakeholders.</p> <p>1.3 Articulate the essence of the design challenge in an appropriate format.</p> <p>1.4 Establish and develop working relationships with key stakeholders and keep them informed throughout the design process.</p>
2	Carry out research to inform design solutions.	<p>2.1 Research, evaluate and acknowledge information from relevant sources, which may assist in responding to the design challenge, including:</p> <ul style="list-style-type: none"> ◆ Historical, current and future perspectives and trends ◆ Social, economical, environmental, sustainable, ethical and cultural issues ◆ Other designs and the work of design practitioners <p>2.2 Analyse, extract and collate information to inform the development of the design solution.</p> <p>2.3 Seek and integrate input and ideas from others during the design process.</p>
3	Develop design options based on research and other information.	<p>3.1 Develop and use a range of criteria, which can be used to evaluate different options and ideas.</p> <p>3.2 Use a range of creative thinking techniques to generate different options and ideas.</p>

Learning outcomes	Assessment criteria
The learner will:	The learner can:
	<p>3.3 Apply relevant principles of functionality, ergonomics, aesthetics and sustainability to the development of different options.</p> <p>3.4 Seek and integrate input and ideas from others.</p> <p>3.5 Negotiate and agree any changed requirements or modifications.</p>
<p>4 Select and present preferred design solution.</p>	<p>4.1 Select a preferred solution against agreed criteria and in consultation with relevant key stakeholders.</p> <p>4.2 Adjust and refine proposed design solution based on research testing and reflection.</p> <p>4.3 Present proposed design solution with appropriate supporting documentation according to project requirements.</p>
<p>5 Understand copyright, moral rights and intellectual property issues.</p>	<p>5.1 Explain the relevant legislation that impacts on design, including:</p> <ul style="list-style-type: none"> ◆ Copyright ◆ Moral rights ◆ Intellectual property

Additional information about the unit
Unit purpose and aim(s)
This unit applies to individuals who research and generate concepts and solutions in response to a design challenge in an industry context. The starting point may be an open or closed brief; a spontaneous idea; modification of an existing product, service, process, or system; or a point in an ongoing design process.
Unit start date
01/11/14
Details of the relationship between the unit and relevant national occupational standards (if appropriate)
N/A
Details of the relationship between the unit and other standards or curricula (if appropriate)
N/A
Assessment requirements specified by a sector or regulatory body (if appropriate)
Creative and cultural skills overarching assessment principles
Endorsement of the unit by a sector or other appropriate body (if required)
N/A
Location of the unit within the subject/sector classification system
9.2 Crafts, Creative Arts and Design
Name of the organisation submitting the Unit
SQA
Guided Learning Hours
24

Regulated qualifications assessment specification

Assessment (evidence) requirements

Assessors must ensure that learners provide evidence to cover all the learning outcomes and assessment criteria.

This unit is designed to assess the skills of learners in the workplace. Evidence of occupational competence should be generated and collected through performance in workplace conditions. This includes the knowledge-based learning outcomes and assessment criteria of the competence Units.

These conditions would be those typical to the learner's normal place of work. The evidence collected under these conditions should also be as naturally occurring as possible. It is accepted that not all employees have identical workplace conditions and therefore there cannot be assessment conditions that are identical for all learners. However, assessors must ensure that, as far as possible, the conditions for assessment should be those under which the learner usually works.

Collection of evidence of performance can be used to substantiate, support and expand the evidence base for competent performance. This may include:

- ◆ Observation
- ◆ Product and photographic evidence
- ◆ Relevant active documentation, reports, presentations

Performance evidence: Observation

Observation of performance at work. Assessors must provide information about the context of the assessment.

Performance evidence: Products

Work products (such as reports, letters, memos, printouts, presentations, etc) are valuable items of performance evidence. Assessors are encouraged to assess work products and record the location of evidence within their assessment records. Assessment centres using 'paperless portfolios' should first discuss their approach to assessment with their awarding body.

Guidance on methods/Instruments of assessment

This unit is designed to assess the knowledge of learners in the workplace. Learning outcomes may be assessed by a work-based assessment or by observation/product evidence/witness testimony. Online assessment may also be used. The collection of supplementary evidence of performance can be used to further substantiate, support and expand the evidence base for competent performance where this is necessary. This may be required depending on the size of the organisation in which the learner is working.

Supplementary evidence may include:

- ◆ Questioning
- ◆ Professional discussion
- ◆ Witness testimony
- ◆ Other valid evidence which relates directly to learner performance

Guidance on methods/Instruments of assessment (cont)

Supporting evidence: Questioning

Assessment by observation and examination of work products usually results in inferred knowledge. As a result, questions should only be asked to fill gaps where knowledge is not explicit. This style of assessment still requires the assessor to confirm how knowledge and understanding has been addressed but avoids over assessment of the learner.

Questioning includes: verbal and written questioning, questionnaires, work-based tasks, reflective accounts, case studies, professional discussion and feedback reports.

Supporting evidence: Professional discussion

Professional discussion is a single, or series of structured, planned and in-depth discussions which can be recorded electronically or manually in paper, computer, audio or video files. Professional discussions can be used to support observation reports, examination of work products and knowledge questionnaires. It is more usually used to fill in gaps in existing performance and knowledge evidence. It can be used formatively and summatively, and using it enhances the assessment process for both learners and assessors.

Professional discussion is used in holistic assessment, which is rigorous, informative and cost-effective, provided the learner is competent in their job role and ready to be assessed. If these conditions are met, assessors can plan to assess naturally-occurring 'evidence-rich' opportunities at work by observation, examination of work products, professional discussion and questioning knowledge within one assessment session. It is also possible for assessors to obtain witness testimonies at the same assessment session. Such a comprehensive activity is likely to focus on major work activities that demonstrate learner competence.

Supporting evidence: Witness testimony

Witness testimony can provide valuable evidence of learner competence. In line with established principles it must be:

- ◆ a clear, authentic statement indicating how the learner carries out their job
- ◆ dated, signed and include the job title of the witness

Supporting evidence: Other qualifications

Other qualifications can be used as supporting evidence in a learner's portfolio. The qualification must be current and be benchmarked to one or more of the national occupational standards. However, it will only be supporting evidence, as assessors must still make judgements about how the learner demonstrates competence at work.

SQA's Guide to assessment provides information on appropriate instruments of assessment. This guide is designed to provide support for everyone who assesses for SQA qualifications. It looks at the principles of assessment, and brings together information on assessment in general as well as on best practice in assessment.

The *Guide to assessment* can be downloaded free from SQA's website www.sqa.org.uk.

Creative and cultural skills overarching assessment principles also supports the assessment of this unit.