LANTRA

Core Skills Signposting for:

SVQ 2
Aquaculture
at SCQF Level 5

and

SVQ 3
Aquaculture
at SCQF Level 7

October 2015

Contents

Introduction

To compliment the environmental and land-based sector's suite of National Occupational Standards, the following guidance on how the units can be used by candidates to demonstrate their competence against core skills has been developed.

In analysing both the performance criteria and knowledge and understanding requirements that are needed by candidates to achieve the specific units, perceived opportunities for the development of core skill competencies have been identified. This is particularly relevant to those working towards the SVQ units.

This process of signposting has been based on the concept of a 'standard' or 'typical' portfolio, because of this it is not possible to say that this signposting will provide an exact match for all candidates. Candidates would not be expected to achieve the sign-posted core skill through the identified opportunities alone.

The process employed to complete this document involved looking at each of the units to identify a base line of evidence requirements, in both terms of performance and product evidence. With this base line established, each of the core skills were then matched against these evidence requirements to identify potential coverage and level.

From the process of analysis it has been possible to identify a range of potential coverage of the core skills. This analysis also identifies the levels at which the core skills can be achieved. The achievable level is perceived as being dependent upon the level of the candidate's responsibility and the complexity of the evidence provided.

Where a unit is common across more than one level of the actual SVQ, opportunities have been identified up to the highest perceived level.

The findings are summarised in a matrix format for each of the units, identifying which core skill applies and at which level.

Communication

Reading and Understanding

SCQF Level 4	Read, understand and evaluate a straightforward document related to your work.
SCQF Level 5	Read, understand and evaluate a document related to your work which either presents and analyses factual content, or presents a sustained point of view or central argument.
SCQF Level 6	Read, understand and evaluate a complex document related to your work which either: contains a set of facts and an analysis of them, or a sustained argument. It will be a substantial and detailed text with complex sentences, specialist words, and concepts that may be unfamiliar to you. It is likely to have more than one purpose.

Writing

SCQF Level 4	Produce a document, or related documents, totalling 300 words or more, which conveys several items of information, opinions or ideas.
SCQF Level 5	Produce a document, or related documents, totalling 500 words or more, which conveys several items of information, opinions, ideas or aspects of a subject.
SCQF Level 6	Produce a well-structured document, or a collection of related documents, totalling 700 words or more, which conveys several items of complex information, opinions or ideas.

Speaking and Listening

SCQF Level 4	Take part in a straightforward discussion with at least one other person, or give a short presentation to one or more people, lasting a minimum of three minutes including time for questions.
SCQF Level 5	Make a substantial contribution to a discussion with at least one other person, or make a presentation to others lasting a minimum of four minutes including time for questions.
SCQF Level 6	Make a substantial contribution to a discussion on a complex topic with at least one other person, or make a presentation to others on a complex topic lasting a minimum of five minutes, including time for questions.

Numeracy	
Using Number	
SCQF Level 4	Carry out a variety of straightforward number tasks related to your work which involve calculations requiring a minimum of two steps.
SCQF Level 5	Apply a wide range of numerical skills to solve work related problems.
SCQF Level 6	Apply a wide range of numerical and statistical skills to solve complex work related problems.
Measuring	
SCQF Level 4	Read and use a straightforward scale either on an instrument such as a ruler or on a graph.
SCQF Level 5	Not required at this level
SCQF Level 6	Not required at this level
Use the graphical format to find out information	
SCQF Level 4	Extract and interpret information from at least one of the following: a table, chart, graph, diagram.
SCQF Level 5	Interpret information from a series of straightforward related graphical forms such as tables, graphs, charts or diagrams.
SCQF Level 6	Extract, analyse and interpret information from complex graphical forms such as qualitative graphs, or graphs where part of the axis has been omitted, histograms, graphs showing relationships or complex variables, graphs requiring interpolation and extrapolation.
Use graphical format to communicate information	
SCQF Level 4	Select an appropriate graphical form and use it to communicate information through at least one of the following: table; chart; graph; diagram.
SCQF Level 5	Select an appropriate graphical form and use it to communicate information through at least one of the following: table, chart, graph, diagram.
SCQF Level 6	Select an appropriate graphical form and use it to communicate information such as a table, line graph, bar chart, pie chart, histogram, diagram, qualitative form.

Information and Communication Technology	
Performing ICT Operations	
SCQF Level 4	Carry out ICT activities related to your work which involve straightforward operations
SCQF Level 5	Carry out ICT activities related to your work including using hardware responsibly and presenting information in an appropriate mode.
SCQF Level 6	Carry out a range ICT activities related to your work including resolving common hardware and software problems and presenting information in an appropriate mode.
Processing Information	
SCQF Level 4	Carry out a range of straightforward ICT activities related to your work which involve application software.
SCQF Level 5	Carry out a range of non-routine ICT activities related to your work which involve application software.
SCQF Level 6	Carry out a range of complex ICT activities related to your work which involve application software, selecting and launching application software, entering, processing and output of data.
Accessing Information	
SCQF Level 4	Use ICT to locate information relevant to your work, locating information in different formats from a range of local or remote data sources, using appropriate search techniques, and selecting relevant information which matches criteria..
SCQF Level 5	Use ICT to locate information relevant to your work locating information in different formats from a range of local or remote data sources, applying a search strategy, evaluating information found against given criteria and evaluating search strategy.
SCQF Level 6	Use ICT to locate information relevant to your work, locating information in different formats from a range of local or remote data sources, applying a complex search strategy, evaluating information found against chosen criteria and evaluating search strategy.
Keeping information safe	
SCQF Level 4	Demonstrate safe practice in using ICT to handle information by recognising security risks and acting accordingly.
SCQF Level 5	Demonstrate safe practice in using ICT to handle information by keeping data secure.
SCQF Level 6	Demonstrate safe practice in using ICT to handle information by keeping data secure, using passwords, using virus protection software, backing up data and maintain a personal file area.

Problem Solving

Critical Thinking

SCQF Level 4	Investigate reasons why a straightforward problem related to your work has arisen. The problem will occur in a familiar situation. A number of steps will need to be taken to deal with the problem.
SCQF Level 5	Investigate and analyse why a non-routine problem in your workplace has arisen. The problem is likely to involve either a situation which is unfamiliar to you, or a familiar situation where you need to clarify the relationships between the contributing factors.
SCQF Level 6	Investigate and analyse a complex problem related to your work. The problem is likely to involve a situation which is unfamiliar to you and the analysis of complex or unfamiliar variables.

Planning And Organising

SCQF Level 4	Plan, organise and carry out a straightforward activity to deal with the problem, working out an action plan, choosing and obtaining the resources you will need and carrying out your action plan.
SCQF Level 5	Plan, organise and carry out an activity to deal with the problem, working out an action plan, choosing and obtaining the resources you will need, and carrying out your action plan.
SCQF Level 6	Plan, organise and carry out your suggested approach, working out an action plan, choosing and obtaining resources and carrying out your action plan.

Reviewing And Evaluating

SCQF Level 4	Check how well your approach to the problem solving activity worked in practice, identifying the strengths and weaknesses of your problem solving activity, suggesting ways of solving similar problems in the future based on this experience.
SCQF Level 5	Check how well the problem solving activity worked in practice, working out how you will decide whether each stage of your problem solving activity has been successful, gathering evidence to help you decide how well your problem solving activity worked, deciding how effective each stage has been and devising ways of solving similar problems in future.
SCQF Level 6	Check how well the problem solving activity worked in practice, identifying the criteria you will use to decide how effective every aspect of your problem solving activity has been, gathering evidence relevant to chosen criteria, recommending ways of solving similar problems in future.

Working with Others
Work co-operatively with others

SCQF Level 4	Work co-operatively with at least one other person to identify the main roles within the activity, what your role is, what tasks you will do and how they relate to others. Carry out your role, adapting your actions and behaviour, asking for and providing information and support.
SCQF Level 5	Work co-operatively with at least one other person to identify the main roles within the activity, what your role is, what tasks you will do and how these relate to others. Organise and carry out your role, pro-actively seek and offer support to and from others.
SCQF Level 6	Work co-operatively with at least one other person to analyse and organise the requirements of your own role and the roles of others. Negotiate working methods, modify your behaviour, and motivate yourself and others to progress towards a common goal.

Reviewing co-operative contribution	
SCQF Level 4	Check how well you and others contributed by deciding on measures you can use to judge how well you co-operated with others, asking for feedback on your contribution making a decision on how well you co-operated with others, and how well the co-operative working arrangements operated overall, setting objectives for how you could improve your own co-operative working skills and future co-operative working arrangements.
SCQF Level 5	Check how well you and others involved contributed to the co-operative working activity, developing criteria to evaluate your own and others contribution, asking for feedback, using your chosen criteria to decide how well you co-operated with others, and how well the co-operative working arrangements operated overall, justifying your decision with supporting evidence, setting objectives for improving your own co-operative working skills and future co-operative working arrangements.
SCQF Level 6	Check how well you and others involved contributed to the co-operative working activity, developing criteria to evaluate your own and others contribution, seeking and considering feedback and advice, using your chosen criteria and feedback to evaluate how well you co-operated and co-operative working arrangements worked overall, using conclusions and reflection to set objectives for improving own co-operative working skills and make recommendations on any future co-operative working arrangements.

SVQ 2 Aquaculture at SCQF 5 –structure

To attain the qualification candidates must complete 9 Units in total. This comprises:

4 Mandatory Units

5 Optional Units (4 from Group A and 1 from Group B)

Mandatory Units: Candidates must complete all 4 units	
SSC code	**Title**
LANAqu3	Prepare and gather live fish/shellfish
LANAqu12	Monitor the aquatic production environment for farmed fish/shellfish
LANAqu13	Monitor fish/shellfish health and welfare
LANAqu37	Work safely in an aquatic environment

Optional Units Group A: Candidates must complete 4 units from this group	
SSC code	**Title**
LANAqu1	Prepare holding units to receive fish
LANAqu2	Stock fish/shellfish into holding units
LANAqu4	Grade live fish/shellfish
LANAqu5	Harvest fish
LANAqu6	Feed fish
LANAqu7	Collect information on fish growth and development
LANAqu8	Conduct shellfish depuration operations
LANAqu9	Deploy, monitor and maintain spat collectors
LANAqu10	Collect, sort and store spat
LANAqu11	Carry out routine maintenance and repairs on aquaculture facilities
LANAqu14	Prepare and treat health problems in fish
LANAqu15	Collect fish eggs and milt and spawn fish
LANAqu16	Establish and maintain green egg incubation
LANAqu17	Prepare and maintain fish eggs in a hatchery
LANAqu18	Monitor and maintain juvenile fish in a hatchery
LANAqu19	Prepare for the transport of live fish/shellfish

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LANAqu20	Transport live fish/shellfish
LANCS25	Maintain equipment and machines
LANCS35	Prepare and use equipment and machines
LANCS56	Prepare and operate small craft
MSAD01	Support fishing operations
MSAD02	Support catch handling and stowage operations
MSAD04	Prepare fishing gear
MSAD05	Operate fishing gear
MSAD06	Handle and stow the catch
IMPFP105/6	Grade fish or shellfish by hand
IMPFP125/6	Gut and clean fish by hand
IMPFP113/4	Pack and ice fish or shellfish
IMPFP133/4	Pack live shellfish for despatch

Optional Units Group B: Candidates must complete 1 unit from this group	
SSC code	**Title**
CFABAA625	Agree how to manage and improve own performance in a business environment
LANCS4	Establish and maintain working relationships with others

Core Skills Signposting

	Communication								
	Reading and Understanding			Writing			Speaking and Listening		
	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 5	SCQF Level 6
Mandatory units									
LANAqu3									
LANAqu12				∗			∗		
LANAqu13				∗			∗		
LANAqu37	∗			∗			∗		
Optional units									
LANAqu1									
LANAqu2				∗			∗		
LANAqu4				∗			∗		
LANAqu5				∗			∗		
LANAqu6				∗			∗		
LANAqu7				∗					
LANAqu8				∗			∗		
LANAqu9				∗					
LANAqu10				∗					
LANAqu11				∗			∗		
LANAqu14				∗					
LANAqu15				∗					
LANAqu16				∗					
LANAqu17				∗					
LANAqu18				∗					
LANAqu19				∗			∗		
LANAqu20				∗			∗		
LANCS4	∗			∗			∗		
LANCS25				∗					
LANCS35									
LANCS56									
MSAD01							∗		
MSAD02									
MSAD04									
MSAD05							∗		
MSAD06				∗			∗		
IMPFP105/6				∗			∗		
IMPFP125/6				∗			∗		
IMPFP113/4				∗			∗		
IMPFP133/4				∗			∗		
CFABAA625							∗		

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	Numeracy									
	Using Number			Measuring	Use the graphical format to find out information			Use graphical format to communicate information		
	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 5	SCQF Level 6
Mandatory units										
LANAqu3										
LANAqu12				*						
LANAqu13	*									
LANAqu37										
Optional units										
LANAqu1	*			*						
LANAqu2	*									
LANAqu4										
LANAqu5										
LANAqu6	*			*						
LANAqu7				*						
LANAqu8	*									
LANAqu9										
LANAqu10										
LANAqu11										
LANAqu14	*			*						
LANAqu15										
LANAqu16	*									
LANAqu17	*									
LANAqu18				*						
LANAqu19										
LANAqu20										
LANCS4										
LANCS25										
LANCS35										
LANCS56										
MSAD01										
MSAD02										
MSAD04										
MSAD05										
MSAD06										
IMPFP105/6										
IMPFP125/6										
IMPFP113/4				*						
IMPFP133/4										
CFABAA625										

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	Information and Communication Technology											
	Performing ICT Operations			Processing Information			Accessing Information			Keeping Information safe		
	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 5	SCQF Level 6
Mandatory units												
LANAqu3												
LANAqu12	*			*								
LANAqu13	*			*								
LANAqu37												
Optional units												
LANAqu1												
LANAqu2	*			*								
LANAqu4	*			*								
LANAqu5	*			*								
LANAqu6	*			*								
LANAqu7	*			*								
LANAqu8	*			*								
LANAqu9	*			*								
LANAqu10	*			*								
LANAqu11	*			*								
LANAqu14	*			*								
LANAqu15	*			*								
LANAqu16	*			*								
LANAqu17	*			*								
LANAqu18	*			*								
LANAqu19	*			*								
LANAqu20	*			*								
LANCS4												
LANCS25												
LANCS35												
LANCS56												
MSAD01												
MSAD02												
MSAD04												
MSAD05												
MSAD06												
IMPFP105/6												
IMPFP125/6												
IMPFP113/4												
IMPFP133/4												
CFABAA625												

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Problem Solving								
	Critical Thinking			Planning and Organising			Reviewing and Evaluating		
	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 5	SCQF Level 6
Mandatory units									
LANAqu3	*			*					
LANAqu12	*			*					
LANAqu13									
LANAqu37	*			*					
Optional units									
LANAqu1									
LANAqu2	*			*					
LANAqu4	*			*					
LANAqu5	*			*					
LANAqu6									
LANAqu7									
LANAqu8									
LANAqu9									
LANAqu10									
LANAqu11	*			*					
LANAqu14	*			*					
LANAqu15	*			*					
LANAqu16	*			*					
LANAqu17				*					
LANAqu18				*					
LANAqu19	*			*					
LANAqu20	*			*					
LANCS4	*			*					
LANCS25									
LANCS35	*			*					
LANCS56									
MSAD01									
MSAD02									
MSAD04									
MSAD05									
MSAD06									
IMPFP105/6	*			*					
IMPFP125/6	*			*					
IMPFP113/4	*			*					
IMPFP133/4	*			*					

	Work co-operatively with others			Reviewing co-operative contribution		
	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 5	SCQF Level 6
CFABAA625	*		*		*	

	Working With Others					
	Work co-operatively with others			**Reviewing co-operative contribution**		
	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 5	SCQF Level 6
Mandatory units						
LANAqu3						
LANAqu12	*					
LANAqu13	*					
LANAqu37	*					
Optional units						
LANAqu1						
LANAqu2						
LANAqu4	*					
LANAqu5	*					
LANAqu6						
LANAqu7						
LANAqu8						
LANAqu9						
LANAqu10						
LANAqu11	*					
LANAqu14	*					
LANAqu15						
LANAqu16						
LANAqu17						
LANAqu18						
LANAqu19	*					
LANAqu20	*					
LANCS4	*			*		
LANCS25						
LANCS35						
LANCS56						
MSAD01	*					
MSAD02	*					
MSAD04						
MSAD05	*					
MSAD06						
IMPFP105/6	*					
IMPFP125/6	*					
IMPFP113/4	*					
IMPFP133/4	*					
CFABAA625	*			*		

SVQ 3 Aquaculture at SCQF 7 - structure

To attain the qualification candidates must complete 6 Units in total. This comprises:

3 Mandatory Units

3 Optional Units

Mandatory Units: Candidates must complete all 3 units	
SSC code	**Title**
LANAqu22	Control the aquatic production environment for farmed fish/shellfish
LANAqu23	Control the production of farmed fish/shellfish for sale or transfer
LANCS80	Provide a safe, healthy and secure working environment

Optional Units: Candidates must complete 3 units	
SSC code	**Title**
LANAqu21	Control feeding regimes for fish
LANAqu24	Control spat collection
LANAqu25	Control shellfish depuration operations
LANAqu26	Control the implementation of fish treatments
LANAqu27	Control fish/shellfish hatchery operations
LANCS60	Lift, transfer and position loads
MSAA11	Take personal emergency action on board a vessel
COGLS215	Carry out sampling operations in life sciences and related industries
LANCS78	Control vertebrate pests and predators using traps
LANCS79	Control vertebrate pests and predators by shooting
CFABAA626	Plan how to manage and improve own performance in a business environment
CFAM&LDB2	Allocate work to team members
MSCD7	Provide learning opportunities for colleagues

LANCS81	Support contractors to enable them to achieve objectives
SFJEFSM12	Manage the effective use of resources
CFAM&LEC5	Use information to take effective decisions
CFAM&LF14	Prepare for and participate in quality audits

Core Skills Signposting

Communication									
	Reading and Understanding			Writing			Speaking and Listening		
	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 5	SCQF Level 6
Mandatory units									
LANAqu22				*					
LANAqu23				*			*		
LANCS80				*			*		
Optional units									
LANAqu21				*					
LANAqu24				*			*		
LANAqu25				*					
LANAqu26				*					
LANAqu27				*					
LANCS60				*					
MSAA11							*		
COGLS215				*			*		
LANCS78				*					
LANCS79				*					
CFABAA626	*			*			*		
CFAM&LDB2								*	
MSCD7				*				*	
LANCS81									*
SFJEFSM12	*				*			*	
CFAM&LEC5								*	
CFAM&LF14		*						*	

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	Numeracy									
	Using Number			**Measuring**	**Use the graphical format to find out information**			**Use graphical format to communicate information**		
	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 5	SCQF Level 6
Mandatory units										
LANAqu22	*									
LANAqu23										
LANCS80										
Optional units										
LANAqu21										
LANAqu24										
LANAqu25										
LANAqu26	*			*						
LANAqu27										
LANCS60										
MSAA11										
COGLS215										
LANCS78										
LANCS79										
CFABAA626										
CFAM&LDB2										
MSCD7										
LANCS81										
SFJEFSM12		*								
CFAM&LEC5										
CFAM&LFE3										

Information and Communication Technology											
	Performing ICT Operations			Processing Information			Accessing Information			Keeping Information safe		
	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 5	SCQF Level 6
Mandatory units												
LANAqu22	*			*								
LANAqu23	*			*								
LANCS80												
Optional units												
LANAqu21	*			*								
LANAqu24	*			*								
LANAqu25	*			*			*					
LANAqu26	*			*								
LANAqu27	*			*								
LANCS60												
MSAA11												
COGLS215												
LANCS78												
LANCS79												
CFABAA626												
CFAM&LDB2												
MSCD7												
LANCS81												
SFJEFSM12	*			*			*			*		
CFAM&LEC5												
CFAM&LFE3												

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	Problem Solving								
	Critical Thinking			**Planning and Organising**			**Reviewing and Evaluating**		
	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 5	SCQF Level 6
Mandatory units									
LANAqu22		*			*			*	
LANAqu23		*			*			*	
LANCS80									
Optional units									
LANAqu21	*			*			*		
LANAqu24		*			*			*	
LANAqu25		*			*			*	
LANAqu26		*			*			*	
LANAqu27		*			*			*	
LANCS60									
MSAA11									
COGLS215									
LANCS78									
LANCS79									
CFABAA626									
CFAM&LDB2									
MSCD7									
LANCS81		*			*			*	
SFJEFSM12									
CFAM&LEC5		*			*			*	
CFAM&LFE3									

	Working with Others					
	Work co-operatively with others			**Reviewing co-operative contribution**		
	SCQF Level 4	SCQF Level 5	SCQF Level 6	SCQF Level 4	SCQF Level 5	SCQF Level 6
Mandatory units						
LANAqu22		*				
LANAqu23		*				
LANCS80						
Optional units						
LANAqu21						
LANAqu24						
LANAqu25						
LANAqu26						
LANAqu27						
LANCS60						
MSAA11	*					
COGLS215						
LANCS78						
LANCS79						
CFABAA626						
CFAM&LDB2		*			*	
MSCD7		*				
LANCS81		*			*	
SFJEFSM12		*			*	
CFAM&LEC5		*				
CFAM&LFE3		*				