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**National Occupational Standards for
Well Services: Electric Logging
Well Services Technician
Approved by UKCG**



**The Sector Skills Council for the Chemicals, Nuclear, Oil and Gas, Petroleum
and Polymers**

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STANDARDS OF COMPETENCE FOR THE OFFSHORE PETROLEUM INDUSTRY

WELL SERVICES : ELECTRIC LOGGING

Mandatory units

ELT1 PERFORM PRE-JOB (ELECTRIC LOGGING) OPERATIONS

- Establish operational requirements
- Select and test (electric logging) equipment
- Rig up equipment

ELT2 RUN THE (ELECTRIC LOGGING) OPERATION

- ***Run the toolstring in the hole***
- ***Pull the toolstring out of the hole***

ELT3 PERFORM POST-JOB (ELECTRIC LOGGING) OPERATIONS

- Rig down (electric logging) equipment
- Demobilise and store equipment

C1 CONTRIBUTE TO THE HEALTH AND SAFETY OF THE WORKING ENVIRONMENT

- Conform to statutory and general health and safety requirements
- Monitor and maintain the health and safety of self, other workers and visitors
- Monitor and maintain pollution control measures

C4 CONTRIBUTE TO THE CONTROL OF EMERGENCIES AND CRITICAL SITUATIONS

- ***Contribute to the control of critical situations***
- ***Respond to emergencies in other areas***

C6 ESTABLISH AND MAINTAIN EFFECTIVE WORKING RELATIONSHIPS

- Establish and maintain effective working relationships with colleagues
- Establish and maintain relationships with visitors to the working environment
- Establish and maintain effective communications with colleagues
- Carry out work handovers

Additional unit

ELT4 USE PRESSURE CONTROL EQUIPMENT

- Function test and rig up pressure control equipment
- Operate and monitor pressure control equipment
- Rig down pressure control equipment

Note that candidates should consistently follow either of the following 'evidence routes':

1. Cased hole services (with or without pressure control equipment)
2. Open hole services

SVQ/NVQ consists of 6 units.

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Unit ELT1 : Perform Pre - job (electric logging) operations

This unit is about performing pre-(electric logging) job operations. You will be involved in activities such as:

- establishing operational requirements
- selecting and testing equipment
- rigging up equipment

During this work you must take account of the relevant operational requirements and safe working practices **AS THEY APPLY TO YOU**.

In achieving this unit you will have provided evidence to your assessor that you have successfully met all of the required Standards of Performance. You will also have provided evidence to your assessor that you have all the knowledge and understanding which underpins the achievement of those Standards of Performance. This ensures that you can do the work, understand the work and so can react appropriately to any contingency which falls within your responsibility.

Unit Guidance

Evidence of competence

Evidence of your competence will be planned for and agreed with your Assessor. The evidence will then be generated and gathered over time by you. You will then present the evidence to your Assessor at a prearranged time/date.

To fully demonstrate your competence you must generate/gather/present evidence of:

- individual operation
- team operation
- use of PPE
- maintaining continuous communication
- appropriate use of barriers

Where you do not have the opportunity to cover all aspects of the Standards of Performance in the workplace, then your evidence may be supplemented by a realistic simulation and questioning. This will allow your Assessor to infer competence.

Evidence of Underpinning Knowledge and Understanding

Within the limits of your responsibility you must be able to demonstrate that you know:

- how to select, use and care for PPE (to include sight/hearing protection, gloves, footwear, hard hats, respirators)
- the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- how to interpret operational requirements (e.g. policies, procedures, instructions, codes of practice, standards, schedules)
- the effects of installation type (to include fixed and floating)
- how to work with and within the Permit to Work system

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Element ELT1.1 : Establish Operational Requirements

This element is about establishing operational requirements and includes checking to ensure that everything is available for the job.

Standards of Performance

In achieving this element you will have:

- a. effectively obtained operational instructions and organised the work of self and others
- b. clarified any difficulties with relevant personnel
- c. accurately confirmed the availability and status of relevant Permits to Work
- d. accurately identified and confirmed the availability of relevant third party utilities
- e. accurately confirmed the availability of consumables
- f. taken appropriate remedial action where errors, omissions and shortages have been identified
- g. worked safely and in accordance with operational instructions

Evidence Requirements

See Unit Guidance.

Underpinning Knowledge and Understanding (see also Unit Guidance)

Within the limits of your responsibility you must be able to demonstrate that you know:

- how to access and interpret operational instructions (to include well sketches)
- who to report difficulties to
- the well parameters to be considered (to include pressure, temperature, depth, deviation, completion type, fluid type, flowrate)
- how to check the availability of third party utilities and consumables
- how to identify errors, omissions and shortages and what remedial action is available to you
- how to select a weak point

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Element ELT1.2 : Select and test (electric logging) equipment

This element is about selecting and testing equipment.

Standards of Performance

In achieving this element you will have:

- a. identified and selected equipment which conforms to the instructions
- b. confirmed the equipment functional and fit for purpose
- c. accurately identified equipment defects and taken appropriate remedial action
- d. worked safely and in accordance with operational instructions

Evidence Requirements

See Unit Guidance

Underpinning Knowledge and Understanding (see also Unit Guidance)

Within the limits of your responsibility you must be able to demonstrate that you know:

- the limitations of equipment and the environment in which it will be used
- function and operating principles of downhole toolstring and associated equipment
- how to carry out checks on certifications and test dates and why they are important

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Element ELT1.3 : Rig-up (electric logging) equipment

This element is about rigging up equipment in readiness for operation.

Standards of Performance

In achieving this element you will have:

- a. sited the equipment to achieve optimum use
- b. effectively confirmed the well to be in a condition for work to proceed
- c. effectively confirmed the equipment as functional and suitable for operation
- d. assembled the equipment in proper sequence
- e. identified faults and uncertainties in the assembly and taken appropriate remedial action
- f. handled the equipment using safe lifting and handling techniques
- g. worked safely in accordance with operational requirements

Evidence Requirements

See Unit Guidance

Underpinning Knowledge and Understanding (see also Unit Guidance)

Within the limits of your responsibility you must be able to demonstrate that you know:

- how to site and assemble equipment
- how to check and make a decision on the well condition
- the well parameters to be considered (to include pressure, temperature, depth, deviation, completion type, fluid type, flowrate)
- how to identify equipment faults and uncertainties and what remedial action is available to you
- depth and weight monitoring techniques
- hazards that are likely to be encountered and how to deal with them
- the effects of weather on operations

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Unit ELT2 : Run the (electric logging) operation

This unit is about running the electric logging operation. You will be involved in activities such as:

- running the toolstring in the hole
- pulling the toolstring from the hole

During this work you must take account of the relevant operational requirements and safe working practices **AS THEY APPLY TO YOU**.

In achieving this unit you will have provided evidence to your assessor that you have successfully met all of the required Standards of Performance. You will also have provided evidence to your assessor that you have all the knowledge and understanding which underpins the achievement of those Standards of Performance. This ensures that you can do the work, understand the work and so can react appropriately to any contingency which falls within your responsibility.

Unit Guidance

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To fully demonstrate your competence you must generate/gather/present evidence of:

- individual operation
- team operation
- use of PPE
- maintaining continuous communication
- appropriate use of barriers

Where you do not have the opportunity to cover all aspects of the Standards of Performance in the workplace, then your evidence may be supplemented by a realistic simulation and questioning. This will allow your Assessor to infer competence.

Evidence of Underpinning Knowledge and Understanding

Within the limits of your responsibility you must be able to demonstrate that you know:

- how to select, use and care for PPE (to include sight/hearing protection, gloves, footwear, hard hats, respirators)
- the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- how to interpret operational requirements (e.g. policies, procedures, instructions, codes of practice, standards, schedules)
- Safety procedures and requirements in the workplace
- the well parameters to be considered (to include pressure, temperature, depth, deviation, completion type, fluid type, flowrate)
- Limitations of the equipment used and the environment in which it is used
- The use of depth counters, weight indicators and recording devices
- Sources of information for conditions and limitations of the well
- Operational and organisational requirements and procedures
- Effects of type of installation i.e. fixed and floating
- Effects of weather on operations
- Implications to be considered when pulling out of the hole
- Principles and response to weak point calculations

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Element ELT2.1 : Run toolstring in the hole

This element is about running the toolstring in the hole

Standards of Performance

In achieving this element you will have:

- a. correctly entered the wellbore
- b. effectively run the toolstring in the hole
- c. accurately identified faults and taken appropriate remedial action
- d. accurately recorded all relevant information
- e. worked safely in accordance with operational requirements

Evidence Requirements

See Unit Guidance

Underpinning Knowledge and Understanding (see also Unit Guidance)

Within the limits of your responsibility you must be able to demonstrate that you know:

- the correct procedure for entering a wellbore
- how to run the toolstring within appropriate parameters (to include speed, line tension, depth control)
- what problems may occur and the appropriate remedial action (to include repair, report, adjust)
- what information is required (to include depth and weight) and the required frequency of reading
- how to work with and within the Permit to Work system
- how to access and interpret well schematics
- how to control a well using mechanical barriers

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Element ELT2.2 : Pull toolstring out of the hole

This element is about pulling the toolstring out of the hole.

Standards of Performance

In achieving this element you will have:

- a. effectively pulled the toolstring to the surface
- b. accurately recorded all relevant information
- c. accurately identified faults and taken appropriate remedial action
- d. effectively removed the toolstring from the wellbore
- e. worked safely in accordance with operational instructions

Evidence Requirements

See Unit Guidance

Underpinning Knowledge and Understanding (see also Unit Guidance)

Within the limits of your responsibility you must be able to demonstrate that you know:

- what problems may occur and the appropriate remedial action (to include repair, report, adjust)
- what information is required and the required frequency of reading

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Unit ELT3 : Perform post-job (electric logging) operations

This unit is about performing the post-job operations. You will be involved in activities such as:

- rigging down equipment
- demobilising and storing equipment

During this work you must take account of the relevant operational requirements and safe working practices **AS THEY APPLY TO YOU**.

In achieving this unit you will have provided evidence to your assessor that you have successfully met all of the required Standards of Performance. You will also have provided evidence to your assessor that you have all the knowledge and understanding which underpins the achievement of those Standards of Performance. This ensures that you can do the work, understand the work and so can react appropriately to any contingency which falls within your responsibility.

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To fully demonstrate your competence you must generate/gather/present evidence of:

- individual operation
- team operation
- use of PPE
- maintaining continuous communication
- appropriate use of barriers

Where you do not have the opportunity to cover all aspects of the Standards of Performance in the workplace, then your evidence may be supplemented by a realistic simulation and questioning. This will allow your Assessor to infer competence.

Evidence of Underpinning Knowledge and Understanding

Within the limits of your responsibility you must be able to demonstrate that you know:

- how to select, use and care for PPE (to include sight/hearing protection, gloves, footwear, hard hats, respirators)
- the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- how to interpret operational requirements (e.g. policies, procedures, instructions, codes of practice, standards, schedules)

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Element ELT3.1 : Rig-down (electric logging) equipment

This element is about rigging down equipment.

Standards of Performance

In achieving this element you will have:

- a. confirmed the well to be in a condition for work to proceed
- b. dismantled the equipment in proper sequence
- c. accurately identified faults and defects in the assembly and taken appropriate remedial action
- d. handled the equipment using safe lifting and handling techniques
- e. worked safely in accordance with operational requirements

Evidence Requirements

See Unit Guidance

Underpinning Knowledge and Understanding (see also Unit Guidance)

Within the limits of your responsibility you must be able to demonstrate that you know:

- how to check and make a decision on the well condition
- how to dismantle equipment
- how to identify equipment faults and defects and what remedial action is available to you
- hazards that are likely to be encountered and how to deal with them
- the effects of weather on operations

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Element ELT3.2 : Demobilise and store (electric logging) equipment

This element is about demobilising and storing equipment.

Standards of Performance

In achieving this element you will have:

- a. handled the equipment using safe lifting and handling techniques
- b. accurately identified damage and defects in the assembly and taken appropriate remedial action
- c. effectively protected the equipment and prepared it for transportation
- d. effectively completed all relevant transportation documentation and handed it over as appropriate
- e. stored the equipment safely and securely in the designated location
- f. worked safely in accordance with operational requirements

Evidence Requirements

See Unit Guidance

Underpinning Knowledge and Understanding (see also Unit Guidance)

Within the limits of your responsibility you must be able to demonstrate that you know:

- how to prepare equipment for transportation (to include cleaning, checking for damage, storing)
- the regulations and limitations on transportation of equipment
- the paperwork associated with equipment transportation
- who to hand over the documentation to
- the protection requirements of special equipment

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Unit C1 : Contribute to the Health and Safety of the Working Environment

This unit is about contributing to the Health and Safety of your working environment. You will be involved in activities such as:

- conforming to all relevant requirements
- monitoring and maintaining the health and safety of self and others
- monitoring and maintaining pollution control measures

During this work you must take account of the relevant operational requirements and safe working practices AS THEY APPLY TO YOU.

In achieving this unit you will have provided evidence to your assessor that you have successfully met all of the required Standards of Performance. You will also have provided evidence to your assessor that you have all the knowledge and understanding which underpins the achievement of those Standards of Performance. This ensures that you can do the work, understand the work and so can react appropriately to any contingency which falls within your responsibility.

Unit Guidance

Evidence of competence

Evidence of your competence will be planned for and agreed with your Assessor. The evidence will then be generated and gathered over time by you. You will then present the evidence to your Assessor at a prearranged time/date.

To fully demonstrate your competence you must generate/gather/present evidence of:

- individual operation
- team operation
- consideration of H₂S and other toxic substances
- maintaining continuous communication
- reacting to on-site emergencies

Where you do not have the opportunity to cover all aspects of the Standards of Performance in the workplace, then your evidence may be supplemented by a realistic simulation and questioning. This will allow your Assessor to infer competence.

Evidence of Underpinning Knowledge and Understanding

Within the limits of your responsibility you must be able to demonstrate that you know:

- how to select, use and care for PPE (to include sight/hearing protection, gloves, footwear, hard hats, respirators)
- the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- how to interpret operational requirements (e.g. relevant policies, procedures, instructions, codes of practice, standards, schedules)

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Element 1 : Conform to the Statutory and General Health and Safety Requirements

This element is about conforming to the statutory (e.g. HASAWA and COSHH) and general (organisational) H&S requirements.

Standards of Performance

In achieving this element you will have:

- a. correctly selected and used the relevant PPE
- b. correctly used fire protection, first aid and survival equipment
- c. adhered to all procedures relevant to fire, accident and other emergency
- d. worked safely in accordance with operational requirements

Evidence Requirements

See Unit Guidance

Underpinning Knowledge and Understanding (see also Unit Guidance)

Within the limits of your responsibility you must be able to demonstrate that you know:

- how to obtain and interpret information on safety
- your own responsibilities as they relate to Organisational Safety Policy, Workplace Safety Policy, Evacuation Procedures, Fire Procedures.

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Element 2 : Monitor and Maintain Health and Safety of Self, Other Workers and Visitors

This element is about monitoring and maintaining your own H&S as well as that of others.

Standards of Performance

In achieving this element you will have

- a. ensured that the area within your own personal responsibility is maintained, clean and hazard free
- b. positioned and used relevant safety equipment (including machine guards) safely and securely
- c. correctly identified and reported unsafe equipment and potential danger
- d. correctly selected and used relevant PPE
- e. correctly handled all materials, tools and equipment
- f. worked safely in accordance with operational requirements

Evidence Requirements

See Unit Guidance.

Underpinning Knowledge and Understanding (see also Unit Guidance)

Within the limits of your responsibility you must be able to demonstrate that you know:

- how to implement workplace reporting procedures
- how to access fire protection, first aid and survival equipment
- how to deal with materials (e.g. flammable, toxic, corrosive, explosive, cryogenic, radioactive)
- your own responsibilities as they relate to Organisational Safety Policy
- how to use safe lifting and handling techniques

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Element 3 : Monitor and Maintain Pollution Control Measures

This unit is about monitoring and maintaining pollution control measures.

Standards of Performance

In achieving this element you will have

- a. monitored and controlled the discharges (liquid and gas) from your area to within prescribed limits
- b. correctly identified and reported unplanned discharges (liquid and gas)
- c. correctly selected and used PPE
- d. correctly identified, packaged, labelled and transferred materials for disposal
- e. worked safely in accordance with operational requirements

Evidence Requirements

See Unit Guidance.

Underpinning Knowledge and Understanding (see also Unit Guidance)

Within the limits of your responsibility you must be able to demonstrate that you know:

- how to deal with materials (e.g. flammable, toxic, corrosive, explosive, cryogenic, radioactive)
- your own responsibilities as they relate to Organisational Safety Policy; the Classification, Packaging and Labelling of Dangerous Substances Regulations; Environmental Protection Act

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Unit C4 : Contribute to the Control of Emergencies and Critical Situations

This unit is about contributing to the control of emergencies and critical situations. You will be involved in activities such as

- contributing to the control of critical situations
- responding to emergencies in other areas

During this work you must take account of the relevant operational requirements and safe working practices **AS THEY APPLY TO YOU**.

In achieving this unit you will have provided evidence to your assessor that you have successfully met all of the required Standards of Performance. You will also have provided evidence to your assessor that you have all the knowledge and understanding which underpins the achievement of those Standards of Performance. This ensures that you can do the work, understand the work and so can react appropriately to any contingency which falls within your responsibility.

Unit Guidance

Evidence of competence

Evidence of your competence will be planned for and agreed with your Assessor. The evidence will then be generated and gathered over time by you. You will then present the evidence to your Assessor at a prearranged time/date.

To fully demonstrate your competence you must generate/gather/present evidence of:

- individual operation
- team operation
- consideration of H₂S and other toxic substances
- maintaining continuous communication
- reacting to on-site emergencies

Where you do not have the opportunity to cover all aspects of the Standards of Performance in the workplace, then your evidence may be supplemented by a realistic simulation and questioning. This will allow your Assessor to infer competence.

Evidence of Underpinning Knowledge and Understanding

Within the limits of your responsibility you must be able to demonstrate that you know:

- how to select, use and care for PPE (to include sight/hearing protection, gloves, footwear, hard hats, respirators)
- the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- how to interpret operational requirements (e.g. relevant policies, procedures, instructions, codes of practice, standards, schedules)
- emergency procedures relevant to the workplace

Element C4.1 : Contribute to the Control of Critical Situations

This element is about identifying critical situations within your own working area

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and reacting appropriately in order to assist with the control of those critical situations.

Standards of Performance

In achieving this element you will have

- a. identified developing and existing critical situations
- b. activated all relevant alarms and taken actions appropriate to the situation
- c. effectively monitored the situation and minimised risks to personnel, process, plant and equipment
- d. reported the critical situation correctly
- e. worked safely in accordance with operational requirements

Evidence Requirements

See Unit Guidance.

Underpinning Knowledge and Understanding (see also Unit Guidance)

Within the limits of your responsibility you must be able to demonstrate that you know:

- the operation of and potential implications of Emergency Shutdown systems
- the principles and operation of Fire and Gas control systems
- the internals of equipment and their function and operation

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Element C4.2 : Respond to Emergencies in Other Areas

This element is about reacting to emergencies in areas outwith but impacting upon your own working area.

Standards of Performance

In achieving this element you will have

- a. identified developing and existing critical situations
- b. activated all relevant alarms and taken actions appropriate to the situation
- c. reacted appropriately to information received
- d. taken immediate action to make the situation safe
- e. minimised risks to personnel, process, plant and equipment
- f. worked safely in accordance with operational requirements

Evidence Requirements

See Unit Guidance.

Underpinning Knowledge and Understanding (see also Unit Guidance)

Within the limits of your responsibility you must be able to demonstrate that you know:

- the installation/site layout
- the effect and potential implications of loss of any utility and its reinstatement
- how to react appropriately (e.g. make safe; isolate; shutdown; evacuate the work area)

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Unit C6: Establish and Maintain Effective Working Relationships

This unit is about establishing and maintaining effective working relationships. You will be involved in activities such as

- establishing and maintaining effective working relationships with colleagues
- establishing and maintaining relationships with visitors to the working environment
- establishing and maintaining effective communications with colleagues
- carrying out work handovers

During this work you must take account of the relevant operational requirements and safe working practices **AS THEY APPLY TO YOU.**

In achieving this unit you will have provided evidence to your assessor that you have successfully met all of the required Standards of Performance. You will also have provided evidence to your assessor that you have all the knowledge and understanding which underpins the achievement of those Standards of Performance. This ensures that you can do the work, understand the work and so can react appropriately to any contingency which falls within your responsibility.

Unit Guidance

Evidence of competence

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To fully demonstrate your competence you must generate/gather/present evidence of your involvement in and contribution to:

- informal meetings
- formal meetings
- normal work situation
- team briefings

Where you do not have the opportunity to cover all aspects of the Standards of Performance in the workplace, then your evidence may be supplemented by a realistic simulation and questioning. This will allow your Assessor to infer competence.

Evidence of Underpinning Knowledge and Understanding

Within the limits of your responsibility you must be able to demonstrate that you know:

Unit wide Underpinning Knowledge and understanding

- the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- how to interpret operational requirements (e.g. relevant policies, procedures, instructions, codes of practice, standards, schedules)

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Element C6.1 : Establish and Maintain Effective Working Relationships with Colleagues

This element is about establishing and maintaining effective working relationships with your co-workers, supervisors, managers, other company employees and third parties.

Standards of Performance

In achieving this element you will have

- a. treated colleagues in a manner which promotes and maintains goodwill
- b. promptly and willingly met reasonable requests from colleagues
- c. provided clear, accurate and prompt information regarding daily work schedules to colleagues
- d. supported and offered help to colleagues who are in work related difficulties
- e. promptly and effectively reported breakdowns in working relationships
- f. worked safely in accordance with operational requirements

Evidence Requirements

See Unit Guidance.

Underpinning Knowledge and Understanding (see also Unit Guidance)

Within the limits of your responsibility you must be able to demonstrate that you know:

- your own responsibilities within your organisation
- how to recognise reasonable requests
- what is considered essential information regarding daily work schedules
- when a working relationship has broken down

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Element C6.2 : Establish and Maintain Relationships with Visitors to the Working Environment

This element is about establishing and maintaining relationships with visitors to your working environment. Visitors include approved and authorised visitors.

Standards of Performance

In achieving this element you will have

- a. greeted visitors in a manner which promotes goodwill
- b. provided visitors with clear and sufficient information (oral, written and visual) to meet their identified need
- c. promptly passed on requests for information outwith your own responsibility to the relevant personnel
- d. effectively ensured that visitors are not endangered through your acts or omissions
- e. worked safely in accordance with operational requirements

Evidence Requirements

See Unit Guidance.

Underpinning Knowledge and Understanding (see also Unit Guidance)

Within the limits of your responsibility you must be able to demonstrate that you know:

- the limits of your responsibilities
- policies and procedures regarding visitors

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Element C6.3 : Establish and Maintain Effective Communications with Colleagues

This unit is about establishing and maintaining effective communications with your co-workers, supervisors, managers, other company employees and third parties.

Standards of Performance

In achieving this element you will have

- a. effectively delivered clear, concise, accurate and unambiguous communications
- b. accurately identified difficulties in interpretation of information and sought prompt clarification
- c. worked safely and in accordance with operational requirements

Evidence Requirements

See unit Guidance.

Underpinning Knowledge and Understanding

Within the limits of your responsibility you must be able to demonstrate that you know:

- What specific statutory requirements (e.g. HASAW, COSHH) apply to the way in which you communicate with others
- What specific terms of communication you would adopt with colleagues and how these relate to company procedures, policies etc.

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Element C6.4 : Carry out Work Handovers

This element is about carrying out work handovers.

Standards of Performance

In achieving this element you will have

- a. effectively recorded all relevant information
- b. ensured that information given to you on current operational status is accurate and complete
- c. ensured that information given by you on current operational status is accurate and complete
- d. effectively communicated all relevant operating instructions
- e. left your work area clean and hazard free
- f. worked safely and in accordance with operational requirements

Evidence Requirements (See also Unit Guidance)

To fully demonstrate your competence you must generate/gather/present evidence of your involvement in and contribution to handovers:

- to next shift
- to next job
- to next person
- from previous shift
- from previous job
- from previous person

Underpinning Knowledge and Understanding (see also Unit Guidance)

Within the limits of your responsibility you must be able to demonstrate that you know:

- how to work with and within the Permit to Work system
- how to identify and control and minimise work area hazards
- the relevant personnel who are to give and receive information to and from you

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Unit ELT4 : Use Pressure Control Equipment

This unit is about using pressure control equipment. You will be involved in activities such as:

- function testing and rigging up pressure control equipment
- operating and monitoring pressure control equipment
- rigging down pressure control equipment

During this work you must take account of the relevant operational requirements and safe working practices AS THEY APPLY TO YOU.

In achieving this unit you will have provided evidence to your assessor that you have successfully met all of the required Standards of Performance. You will also have provided evidence to your assessor that you have all the knowledge and understanding which underpins the achievement of those Standards of Performance. This ensures that you can do the work, understand the work and so can react appropriately to any contingency which falls within your responsibility.

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To fully demonstrate your competence you must generate/gather/present evidence of:

- individual operation
- team operation
- use of PPE
- maintaining continuous communication
- appropriate use of barriers

Where you do not have the opportunity to cover all aspects of the Standards of Performance in the workplace, then your evidence may be supplemented by a realistic simulation and questioning. This will allow your Assessor to infer competence.

Evidence of Underpinning Knowledge and Understanding

Within the limits of your responsibility you must be able to demonstrate that you know:

- how to select, use and care for PPE (to include sight/hearing protection, gloves, footwear, hard hats, respirators)
- the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- how to interpret operational requirements (e.g. policies, procedures, instructions, codes of practice, standards, schedules)

Element ELT4.1 : Function Test and Rig-up Pressure Control Equipment

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This element is about function testing and rigging up pressure control equipment.

Standards of Performance

In achieving this element you will have:

- a. effectively confirmed the equipment as functional and suitable for operation
- b. effectively confirmed the well to be in a condition for work to proceed
- c. assembled the equipment in proper sequence
- d. identified faults and uncertainties in the assembly and taken appropriate remedial action
- e. handled the equipment using safe lifting and handling techniques
- f. worked safely in accordance with operational requirements

Evidence Requirements

See Unit Guidance

Underpinning Knowledge and Understanding (see also Unit Guidance)

Within the limits of your responsibility you must be able to demonstrate that you know:

- the operating principles of various types of pressure control equipment
- how to confirm the condition of the well
- how to work with and within the Permit to Work system
- how to identify equipment faults and the remedial action available to you (to include report, repair, replace, adjust)
- the different types of test procedures and how they are carried out

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Element ELT4.2 : Operate and Monitor Pressure Control Equipment

This element is about operating and monitoring pressure control equipment.

Standards of Performance

In achieving this element you will have:

- a. effectively confirmed the isolation barriers to be correctly positioned and functional BEFORE the pressure test is started
- b. effectively carried out the pressure test
- c. correctly equalised the pressures
- d. effectively monitored the equipment
- e. accurately identified problems and taken appropriate remedial action
- f. worked safely in accordance with operational requirements

Evidence Requirements

See Unit Guidance

Underpinning Knowledge and Understanding (see also Unit Guidance)

Within the limits of your responsibility you must be able to demonstrate that you know:

- the limitations of the equipment used
- principles of well control using mechanical barriers, flow tubes, grease and BOPs
- the causes and methods of preventing hydrate formation in the well
- why and how the pressures need to be equalised
- what you are monitoring for (to include cable problems, grease problems, hydrate formation, leaks)
- the remedial action available to you (to include report, isolate, shut in well, repair, replace)

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Element ELT4.3 : Rig Down Pressure Control Equipment

This element is about using pressure control equipment.

Standards of Performance

In achieving this element you will have:

- a. effectively isolated the well from the pressure control equipment
- b. effectively confirmed the well to be in a condition for work to proceed
- c. effectively depressurised the pressure control equipment
- d. dismantled the equipment in proper sequence
- e. accurately identified faults and defects in the assembly and taken appropriate remedial action
- f. handled the equipment using safe lifting and handling techniques
- g. stored the equipment safely and securely in the designated location
- h. worked safely in accordance with operational requirements

Evidence Requirements

See Unit Guidance

Underpinning Knowledge and Understanding (see also Unit Guidance)

Within the limits of your responsibility you must be able to demonstrate that you know:

- the principles of equipment and well isolation
- why and how the equipment must be depressurised
- how to identify faults and defects and what remedial action is available to you (to include report, record, repair)
- equipment lifting and handling techniques