



**SECTOR SKILLS COUNCIL FOR SCIENCE,
ENGINEERING AND MANUFACTURING
TECHNOLOGIES¹**

**EXPLOSIVE SUBSTANCES AND ARTICLES NATIONAL
OCCUPATIONAL STANDARDS:**

STORAGE (ESA KEY ROLE 7)

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Unit 7.1 Move explosive substances and/or articles manually

Contexts

- Handling: manually; using manual handling equipment

Performance Criteria

You need to:

- a work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- b use the right equipment correctly
- c take prompt and appropriate action to prevent accidents and hazards
- d take prompt and effective action to deal with actual and predicted changes to the planned use of resources
- e provide and receive constructive feedback on performance, to make improvements
- f ask for advice or assistance when a matter is beyond your capability or level of authority
- g ensure that all documentation is correctly completed

Knowledge Requirements

You need to know and understand:

- i the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives, and their implications for your area of work
- ii the relevance of personal protective equipment (PPE)
- iii the nature, characteristics, risks and hazards of the explosive substance and/or article
- iv the actions to be taken in response to an unplanned event
- v the requirements of the task
- vi manual handling techniques
- vii what could go wrong with the equipment, and the action you should take
- viii what could go wrong with the explosive substances and/or articles, and the action you should take
- ix reporting lines and procedures
- x your level of authority
- xi when and from whom to seek advice or assistance

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Unit 7.2 Supervise the placing of explosive substances and/or articles into storage

Contexts

- Storage requirements: compatibility of explosive substances and/or articles; security

Performance Criteria

You need to:

- work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- confirm that the location and conditions are appropriate for the storage of explosive substances and/or articles
- co-ordinate alternative suitable storage locations, when required
- allocate and brief appropriate staff
- manage the allocation of handling equipment to meet all tasking requirements
- resolve any problems, within your level of authority, in placing explosive substances and/or articles in the right locations
- ensure that all documentation is correctly completed

Knowledge Requirements

You need to know and understand:

- the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives, and their implications for your area of work
- the relevance of personal protective equipment (PPE)
- the nature, characteristics, hazards and risks of the explosive substance and/or article
- the actions to be taken in response to an unplanned event
- your organisation's security requirements
- how to assess the storage needs and any environmental conditions required
- the rules governing mixing hazard divisions, compatibility groups
- the staff and resource requirements of the task, and the information they need to perform effectively
- how to implement contingency plans
- how to give and receive constructive feedback
- your level of authority
- when and from whom to seek advice or assistance
- how to run stock receipt, recording and controlling systems

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Unit 7.3 Put explosive substances and/or articles into storage

Contexts

- Items: in good order; suspect or damaged
- Storage requirements: volume; accessibility; ease of identification

Performance Criteria

You need to:

- work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- confirm that the transit, stabling and storage locations are suitable
- adhere to the storage plan
- use handling equipment correctly, to meet all tasking requirements
- resolve any storage or resource problems, within your level of authority
- confirm that the type, quality and quantity of the goods is in accordance with receipts documentation, and report any discrepancies
- take action, in accordance with procedures, where explosive substances and/or articles are received in a suspect or damaged state
- ensure that all documentation is correctly completed

Knowledge Requirements

You need to know and understand:

- the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives, and their implications for your area of work
- the relevance of personal protective equipment (PPE)
- the actions to be taken in response to an unplanned event
- the storage needs, and any environmental conditions required
- the rules governing mixing hazard divisions and compatibility groups
- the resource requirements of the task
- what could go wrong with the explosive substances and/or articles, and the action you should take
- how to implement contingency plans
- stock receipt, recording and controlling systems
- how to give and receive constructive feedback
- your level of authority
- when and from whom to seek advice or assistance

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Unit 7.4 Supervise the receiving of explosive substances and/or articles into storage

Contexts

- Deliveries: planned; unscheduled
- Items: in good order; suspect or damaged
- Storage requirements: volume; accessibility; ease of identification

Performance Criteria

You need to:

- work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- identify correctly the storage requirements for forecasted receipts of explosive substances and/or articles
- confirm that suitable storage locations are available
- produce a projected storage plan
- co-ordinate suitable transit, stabling, unloading and storage locations, as required
- identify appropriate staff, and ensure their availability
- manage the allocation of handling equipment, to meet all tasking requirements
- develop and implement a suitable routine for checking stock and storage, and for carrying out spot checks
- resolve any problems, within your level of authority
- confirm that the type, quality and quantity of the goods is in accordance with receipts forecast
- manage and control the resolution of any discrepancies identified on receipt
- ensure the appropriate response, in accordance with organisational procedures, where explosive substances and/or articles are received in a suspect or damaged state
- ensure that all documentation is correctly completed

Knowledge Requirements

You need to know and understand:

- the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives, and their implications for your area of work
- the relevance of personal protective equipment (PPE)
- the nature, characteristics, risks and hazards of the explosive substance and/or article
- the actions to be taken in response to an unplanned event
- how to assess the storage needs, and any environmental conditions required
- planning techniques
- mixing hazard divisions and compatibility groups
- explosives licence limitations and conditions
- the staff and resource requirements for the task, and the information they need in order to perform effectively
- how to contribute to and implement contingency plans
- how to run the stock receipt, recording and controlling system
- how to give and receive constructive feedback
- your level of authority
- when and from whom to seek advice or assistance

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Unit 7.5 Supervise the maintenance of storage conditions for explosive substances and/or articles

Contexts

- Storage requirements: compatibility of explosive substances and/or articles; security
- Storage: environmental control systems; storage systems
- Items: in good order; suspect or damaged
- Storage conditions: fit for purpose; not fit for purpose

Performance Criteria

You need to:

- a work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- b ensure that the correct storage conditions are maintained at all times
- c develop and maintain a system, to record that storage conditions fully meet the requirements
- d identify and manage any remedial actions necessary to restore required storage conditions
- e take prompt, appropriate action to maintain the quality of explosive substances and/or articles in storage
- f report any shortfalls and excursions outside the required standards, to the relevant authority
- g take appropriate action, in accordance with organisational procedures, in the case of suspect explosive substances and/or articles, pending further investigation
- h ensure regular reviews of the status of segregated and suspect items

Knowledge Requirements

You need to know and understand:

- i the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives, and their implications for your area of work
- ii the relevance of personal protective equipment (PPE)
- iii the nature, characteristics, risks and hazards of the explosive substance and/or article
- iv the actions to be taken in response to an unplanned event
- v your organisation's security procedures
- vi the importance of monitoring and maintaining storage conditions
- vii how to maintain records to ensure full compliance with required storage conditions
- viii the operation and user maintenance of associated environmental recording equipment
- ix the items in storage, and their optimum storage conditions and constraints
- x sources of information
- xi how to maintain the right storage conditions
- xii how to recognise signs of damage or deterioration
- xiii the action to take in the event of deterioration of the item or of storage conditions

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Unit 7.6 Maintain the quality of explosive substances and/or articles in storage

Contexts

- Storage requirements: compatibility of explosive substances and/or articles; security
- Storage: environmental control systems; storage systems
- Items: in good order; suspect or damaged

Performance Criteria

You need to:

- work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- check that the correct storage conditions are maintained at all times
- maintain the system to record that storage conditions fully meet the requirements
- take prompt appropriate action to maintain the quality of explosive substances and/or articles in storage
- report any shortfalls and excursions outside the required standards, to the relevant authority
- take appropriate action, in accordance with organisational procedures, in the case of suspect explosive substances and/or articles, pending further investigation

Knowledge Requirements

You need to know and understand:

- the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives, and their implications for your area of work
- the relevance of personal protective equipment (PPE)
- the actions to be taken in response to an unplanned event
- your organisation's security procedures
- the importance of monitoring and maintaining storage conditions
- how to maintain records to ensure full compliance with required storage conditions
- the operation and user maintenance of associated environmental recording equipment
- the items in storage, and their optimum storage conditions and constraints
- sources of information
- how to maintain the right storage conditions
- how to recognise signs of damage or deterioration
- the action to take in the event of deterioration of the item or of storage conditions

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Unit 7.7 Select and prepare explosive substances and/or articles for despatch

Contexts

- Orders: single orders; mixed orders

Performance Criteria

You need to:

- a work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- b select the items for despatch, in accordance with the order
- c fulfil orders accurately, and on time
- d pick and label the order accurately and clearly
- e place the orders in the correct location for despatch
- f report any problems beyond your level of authority, to the appropriate person
- g use handling equipment correctly
- h complete the necessary documentation correctly

Knowledge Requirements

You need to know and understand:

- i the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives, and their implications for your area of work
- ii the relevance of personal protective equipment (PPE)
- iii the actions to be taken in response to an unplanned event
- iv the importance of fulfilling orders accurately and on time
- v customer requirements
- vi how to read an order
- vii whom to tell if you cannot fulfil an order
- viii where to find the stock
- ix how to select and assemble an order
- x how to update control records, and why it is important
- xi the information and documentation to be included with the order

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Unit 7.8 Despatch explosive substances and/or articles

Contexts

- Consignments: single; multiple

Performance Criteria

You need to:

- a work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- b confirm the serviceability of the loading equipment
- c report faulty equipment to the right person
- d make sure that the vehicles are in the right place, and are properly prepared for loading
- e confirm the consignment details, by checking against documentation
- f report any defects or shortfalls in the consignment
- g make sure that you are clear about your own responsibilities
- h ensure appropriate segregation, in accordance with organisational procedures
- i distribute the load evenly, securely, and in accordance with the loading plan
- j complete the necessary documentation correctly

Knowledge Requirements

You need to know and understand:

- i the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives, and their implications for your area of work
- ii the relevance of personal protective equipment (PPE)
- iii the nature, characteristics, risks and hazards of the explosive substance and/or article
- iv the actions to be taken in response to an unplanned event
- v methods of loading, and when to use each method
- vi the handling equipment you need, and where to find it
- vii how to recognise faulty equipment
- viii to whom to report faulty equipment
- ix the importance of vehicle preparation, prior to loading
- x load planning techniques and preparation
- xi the documentation requirements
- xii your role and responsibilities, and those of others with whom you work

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Unit 7.9 Supervise the selection, preparation and despatch of explosive substances and/or articles

Contexts

- Orders: single; mixed
- Consignments: single; multiple
- Fulfilment of orders: in part; in full
- Resources: full; limited

Performance Criteria

You need to:

- a work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- b ensure that the correct items are selected, prepared and despatched, in accordance with the order
- c report any shortfalls in the order, to the right person
- d ensure that sufficient manpower and equipment are available, to enable the goods to be selected and despatched on time
- e determine accurately any requirements for pre-issue inspection, fractioning, re-work and repackaging
- f ensure that any pre-issue activity is completed to meet pipeline times
- g ensure that appropriate action is taken, in accordance with organisational procedures, where explosive substances and/or articles are reported to be in a suspect or damaged state
- h ensure that all documentation is fully and accurately completed
- i ensure that the order is correctly packaged and labelled, to comply with relevant legislation
- j resolve any problems, within your level of authority

Knowledge Requirements

You need to know and understand:

- i the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives, and their implications for your area of work
- ii the relevance of personal protective equipment (PPE)
- iii the nature, characteristics, hazards and risks of the explosive substance and/or article
- iv the actions to be taken in response to an unplanned event
- v how to identify alternative sources of supply, to accommodate any potential shortfalls
- vi the importance of fulfilling orders accurately and on time
- vii how long it takes to assemble orders
- viii how to identify if pre-issue activity is required
- ix how to progress pre-issue activity
- x the procedure to follow if an order cannot be fulfilled or discrepancies exist
- xi the rules governing mixing hazard divisions and compatibility groups
- xii the staff and resource requirements for the task, and the information they need in order to perform effectively
- xiii how to implement contingency plans
- xiv how to give and receive constructive feedback
- xv your level of authority, and to whom to refer for advice or decisions

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Unit 7.10 Manage the receipt of explosive substances and/or articles

Contexts

- Receipts: single; mixed
- Storage considerations: capacity (duration and volume); compatibility; environmental; explosive limit criteria; security
- Resources: full; limited

Performance Criteria

You need to:

- work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- ensure that the receipt function complies with the organisational explosive safety and security management systems
- confirm that your organisation can receive the incoming explosive substances and/or articles
- identify the storage requirements for the nature and quantities of explosive substances and/or articles to be received
- allocate storage, in accordance with the storage strategy
- allocate appropriate resources to tasks
- ensure that systems are in place that result in the prompt notification of any discrepancies and delivery problems
- ensure that the receipt is completed, within agreed timescales
- carry out regular reviews of the storage plan, to ensure continuing optimised use of the storage facility
- respond to developing events and priorities, in accordance with procedures
- develop and communicate an appropriate storage contingency plan
- maintain accurate records, in accordance with organisational procedures

Knowledge Requirements

You need to know and understand:

- the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives, and their implications for your area of work
- the relevance of personal protective equipment (PPE)
- the nature, characteristics, risks and hazards of the explosive substance and/or article
- the actions to be taken in response to an unplanned event
- the organisation's safety management system for explosives
- your organisation's security management system
- the rules governing mixing hazard divisions, compatibility groups and explosive licence limitations
- your organisation's procedures for receiving and accepting explosive substances and/or articles
- the schedule of receipts and despatches, and the overall storage capacity
- the resources available, and the tasks required
- with which organisations you need to liaise, and why
- the roles and responsibilities of staff
- reporting lines and procedures
- the types and quantity of stock
- the importance of, and how to draw up, a contingency plan
- resource planning methods and techniques
- how to implement and direct corrective actions resulting from reported discrepancies
- the role of your unit, and where it fits into the wider organisation
- documentation systems
- the limitations of the environment, facilities and available resources

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Unit 7.11 Manage the storage of explosive substances and/or articles

Contexts

- Storage: single; mixed
- Storage considerations: capacity (duration and volume); compatibility; environmental; explosive limit criteria; security
- Resources: full; limited

Performance Criteria

You need to:

- work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- ensure that the storage function complies with the organisational explosive safety and security management systems
- identify the storage requirements for the nature and quantities of explosive substances and/or articles
- allocate storage, in accordance with the storage strategy
- allocate appropriate resources to tasks
- ensure that systems are in place that result in the prompt notification of any discrepancies and delivery problems
- ensure that the duration of storage is managed, within agreed timescales
- carry out regular reviews of the storage plan, to ensure continuing optimised use of the storage facility
- ensure the continuing optimum condition of the explosive substances and/or articles in storage
- respond to developing events and priorities, in accordance with procedures
- develop and communicate an appropriate storage contingency plan
- maintain accurate records, in accordance with organisational procedures

Knowledge Requirements

You need to know and understand:

- the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives, and their implications for your area of work
- the relevance of personal protective equipment (PPE)
- the nature, characteristics, risks and hazards of the explosive substance and/or article
- the actions to be taken in response to an unplanned event
- the organisation's safety management system for explosives
- your organisation's security management system
- the rules governing mixing hazard divisions, compatibility groups and explosive licence limitations
- your organisation's procedures for receiving and accepting explosive substances and/or articles
- the schedule of receipts and despatches, and the overall storage capacity
- the resources available, and the tasks required
- with which organisations you need to liaise, and why
- the roles and responsibilities of staff
- reporting lines and procedures
- the types, quantity and shelf-life of explosive stock
- any specific maintenance requirements for explosive stock in storage
- the importance of, and how to draw up, a contingency plan
- resource planning methods and techniques
- how to implement and direct corrective actions from reported discrepancies
- the role of your unit, and where it fits into the wider organisation
- documentation systems
- the limitations of the environment, facilities and available resources

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Unit 7.12 Manage the despatch of explosive substances and/or articles

Contexts

- Despatches: single; mixed
- Storage considerations: capacity (duration and volume); compatibility; environmental; explosive limit criteria; security
- Resources: full; limited

Performance Criteria

You need to:

- work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- ensure that the despatch function complies with the organisational management systems for explosives safety and security
- confirm that the destination organisation can receive the explosive substances and/or articles being despatched
- allocate appropriate resources to tasks
- ensure that systems are in place that result in the prompt notification of any discrepancies and delivery problems
- ensure that the despatch is completed, within agreed timescales
- carry out regular reviews of the storage plan, to ensure continuing optimised use of the storage facility
- respond to developing events and priorities, in accordance with procedures
- develop and communicate an appropriate storage contingency plan
- maintain accurate records, in accordance with organisational procedures

Knowledge Requirements

You need to know and understand:

- the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives, and their implications for your area of work
- the relevance of personal protective equipment (PPE)
- the nature, characteristics, risks and hazards of the explosive substance and/or article
- the actions to be taken in response to an unplanned event
- the organisation's safety management system for explosives
- your organisation's security management system
- the rules governing mixing hazard divisions, compatibility groups and explosive licence limitations
- your organisation's procedures for despatching explosive substances and/or articles
- the schedule of despatches
- the resources available, and the tasks required
- with which organisations you need to liaise, and why
- the roles and responsibilities of staff
- reporting lines and procedures
- the types and quantity of stock
- the importance of, and how to draw up, a contingency plan
- resource planning methods and techniques
- how to implement and direct corrective actions resulting from reported discrepancies
- the role of your unit, and where it fits into the wider organisation
- documentation systems
- the limitations of the environment, facilities and available resources

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Unit 7.13 Manage stock levels and stock inventories of explosive substances and/or articles

Contexts

- Stock levels and inventories: planned; unplanned
- Stock level: full; partial
- Resources: full; limited

Performance Criteria

You need to:

- work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- consult effectively all relevant external organisations, to achieve strategic goals
- design an appropriate stock control programme
- allocate appropriate resources to meet the needs of the stock control programme
- ensure that the stock control system delivers to agreed timescales
- review stock control reports, and recommend corrective actions
- communicate the stock control programme to the stock control team and appropriate staff
- collate and distribute stock control reports, to appropriate people
- provide constructive feedback on the stock control, to the appropriate people

Knowledge Requirements

You need to know and understand:

- the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives, and their implications for your area of work
- the relevance of personal protective equipment (PPE)
- the nature, characteristics, risks and hazards of the explosive substance and/or article
- the actions to be taken in response to an unplanned event
- the importance of stock levels and stock inventories
- how often stock controls are required by your organisation
- the types and quantity of explosive substances and/or articles stocked
- the scope of the stock control, and the information to be included in the stock control plan
- resource planning methods and techniques
- how to implement and direct corrective actions resulting from reported discrepancies
- the role of your unit, and where it fits into the wider organisation
- the roles and responsibilities of staff
- reporting lines and procedures
- documentation systems
- communication methods and techniques
- the limitations of the environment, facilities and available resources
- the timescales involved
- the problems you might expect to encounter

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Unit 7.14 Audit stock levels and stock inventories for explosive substances and/or articles

Contexts

- Audit level: full; partial
- Resources: full; limited
- Discrepancies: type; quantity; location; condition

Performance Criteria

You need to:

- work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- confirm the requirements of the audit
- confirm the available resources to carry out the audit
- take prompt and appropriate action to resolve any problems
- allocate responsibilities appropriately
- communicate the requirements of the audit plan clearly
- adhere to entry, exit and security procedures
- check on audit progress at appropriate intervals, and resolve any problems
- investigate any discrepancies, prioritising and resolving them, within the level of your authority
- complete and distribute the audit report, in accordance with your organisation's procedures

Knowledge Requirements

You need to know and understand:

- the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives, and their implications for your area of work
- the relevance of personal protective equipment (PPE)
- the nature, characteristics, risks and hazards of the explosive substance and/or article
- the actions to be taken in response to an unplanned event
- the importance of auditing stock levels and stock inventories
- the requirements of the audit plan
- how often audits are required by your organisation
- the information held in the stock inventory, and how to access it
- how to investigate discrepancies revealed by the audit
- how to interpret information, and recommend corrections to the stock inventory
- how to anticipate and prevent difficult situations
- the resources you need to be able to carry out an audit
- the importance of communicating the audit programme, and how it is likely to affect the work of colleagues
- the roles and responsibilities of audit team members
- audit management techniques
- entry, exit and security procedures
- audit reporting procedures

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Unit 7.15 Carry out stock checks of explosive substances and/or articles

Contexts

- Stock controls: planned; unplanned; full; partial
- Movement of stock: when stock needs to be moved; when stock does not need to be moved

Performance Criteria

You need to:

- work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- gain appropriate authorisation for access, in order to stock check explosive substances and/or articles
- adhere to entry, exit and security procedures
- identify all explosive substances and/or articles, within scope of the stock check
- identify any movement requirements before carrying out the stock check, and make arrangements for the movement
- carry out the stock check accurately
- report the findings from stock check promptly, to the relevant person

Knowledge Requirements

You need to know and understand:

- the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives, and their implications for your area of work
- the relevance of personal protective equipment (PPE)
- the actions to be taken in response to an unplanned event
- how to determine whether items need to be moved before the stock check, and any special requirements to do so
- stock checking procedures for explosive substances and/or articles
- the importance of auditing stock levels, and stock investigations
- the resources needed to carry out the stock check
- entry, exit and security procedures

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Unit 7.16 Maintain stock control systems for explosive substances and/or articles

Contexts

- Discrepancies: type; quantity; location; condition
- Maintaining the stock control system: in real time; at a later date

Performance Criteria

You need to:

- work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- review stock control systems regularly, and evaluate their performance
- authorise appropriate people to use the stock control systems, and keep records which are regularly checked
- ensure that the information on the explosive substances and/or articles stock control system is up to date and accurate
- ensure that colleagues know when and how to report stock control problems, so that these can be dealt with promptly, accurately and completely
- resolve stock control problems, within your level of authority, and report those beyond it to the appropriate person

Knowledge Requirements

You need to know and understand:

- the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives, and their implications for your area of work
- the relevance of personal protective equipment (PPE)
- the nature, characteristics, risks and hazards of the explosive substance and/or article
- the actions to be taken in response to an unplanned event
- how the stock control systems work
- the procedures to overcome problems relating to stock control system downtime
- the system to maintain the currency of stock information
- how to resolve stock control system problems
- the importance of ensuring security and confidentiality
- how to issue authorisations and/or passwords for stock control of explosive substances and/or articles

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Unit 7.17 Operate specialized plant and machinery to performance requirements for explosive substances and/or articles

Contexts

- Equipment: in good order; damaged/defective
- Hazards and conditions: machinery stability; load stability; restricted access; neighbouring work and traffic activities; encroaching personnel
- Post-stop maintenance: routine checks; visual wear and tear inspection; damage assessment; energy supplies; safety checks

Performance Criteria

You need to:

- a work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- b confirm the work requirements with the appropriate person(s)
- c confirm that the appropriate equipment you require to carry out your work is available for use
- d prepare, set up and adjust the equipment for the work activity, in accordance with instructions, safety and work requirements
- e record any defects and damage to the equipment, and take appropriate action to correct them
- f monitor the equipment, to maintain safety of operation throughout the work activity
- g report any problems and conditions that are beyond your level of authority, to the appropriate person
- h conclude the work activity, shutting equipment down and leaving it secure, in accordance with approved procedures and practices
- i ensure that you follow the post-stop maintenance requirements, and confirm that the equipment is left in a suitable condition

Knowledge Requirements

You need to know and understand:

- i the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives, and their implications for your area of work
- ii the relevance of personal protective equipment (PPE)
- iii the actions to be taken in response to an unplanned event
- iv the types of equipment needed for the work activity
- v how to set up the equipment
- vi the methods to adjust the plant and machinery for varying equipment performance
- vii the routine checks to be carried out at start up
- viii the common types of defect relating to the equipment used
- ix parking and securing requirements for the equipment
- x post-stop maintenance requirements for the equipment

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Unit 7.18 Lift, transfer and position explosive substances and/or articles loads

Contexts

- Equipment: in good order; damaged/defective
- Hazards and conditions: machinery stability; load stability; restricted access; neighbouring work and traffic activities; encroaching personnel

Performance Criteria

You need to:

- work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
- identify the load to be moved, from the work instructions
- confirm that the area of work is safe, and is secure for the movement and transfer of loads
- identify potential difficulties in carrying out the operation, and resolve them with the appropriate person(s)
- confirm that equipment to be used is operational
- select the load, and confirm that it is suitable for lifting
- lift and transfer the load to its designated location, securely and without damage
- report any damage to the load, to the appropriate person(s)
- complete all documentation, in accordance with organisational procedures

Knowledge Requirements

You need to know and understand:

- the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives, and their implications for your area of work
- the relevance of personal protective equipment (PPE)
- the characteristics of different types of explosive substances and/or article loads to be moved, and how they need to be moved
- the actions to be taken in response to an unplanned event
- the type of equipment used in moving and transferring these loads, within context of operations and the work activity
- the action to take in the event of problems arising
- reporting lines and procedures

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