## -SQA-SCOTTISH QUALIFICATIONS AUTHORITY

# Hanover House 24 Douglas Street GLASGOW G2 7NQ

### NATIONAL CERTIFICATE MODULE DESCRIPTOR

-Module Number- -Superclass-	0094000 XA	-	-Session-1989-90		
-Title-	SAFE WORKING ENVIRONMENTS	PRACTICE	IN	HAZARDOUS	
-DESCRIPTION-					
Purpose	The module is design of risks likely to be be taken in hazardo be noted that succes permit to work in a s module could be tak Safety in the Work E	found and nece us working env sful completion pecific hazardo en in parallel w	essary vironm does us env	v precautions to ents. It should not constitute a vironment. This	
Preferred Entry Level	No formal entry quali	fications.			
Learning Outcomes	The student should:				
	<ol> <li>identify the risks involved, and precautions to be taken when working in a specific hazardous environment;</li> </ol>				
	2. respond correct increased haza		rms ar	nd indications of	
	3. use a variety of protective clothing and equipment;				
	4. carry out established procedures for safe working in hazardous environments;				
	5. carry out established procedures to maintain the physical security of a work area.				
Content/ Context	This module could be wide range of cont environments in the oil, chemical, nuclea of hazardous produc	exts which ma following indus ar, farming, sto	y incl tries:	ude hazardous armed services,	

Reference should be made to the particular procedures and codes of practice for working in hazardous environment of the industry in which the student is working.

# Corresponding to the Learning Outcomes 1-5:

- 1. Classification of hazards and type of substance with reference to approved Code of Practice, e.g., the Classification, Packaging and Labelling of Dangerous Substances Regulations 1984.
- Visual and audible alarms standard symbols and classifications for national/international recognition. Drills and alarm raising procedures according to particular industry codes of practice.
- 3. Testing of protective equipment prior to use. Hand, eye, head, facial, foot protective clothing/equipment. Clothing appropriate for protection of product, e.g. in microchip production or clean room assembly. Observation of specific precautions/operating procedures of equipment for working in hazardous environment, e.g. avoiding static electricity charges, detectors, etc. Routine maintenance procedures e.g. recognition of labelling codes, packaging, equipment inspection (service or maintenance where appropriate).
- 4. Control of Substances Hazardous to Health (COSHH) Regulations.
- Security pass systems, passwords, introduction, recognition of appropriate clothing/uniform. Security regulations of company or hazardous environment. Identification of trespassers, reporting of defective security equipment, suspicious objects.

Suggested The Learning Outcomes of this module could be Learning and Teaching Daying exercises, audio and visual aids. Approaches The simulation exercises should represent real situations as closely as possible, in terms of time constraints and other factors. Individual and group responsibilities should be stressed throughout.

Assessment	Acceptable performance in the module will be
Procedures	satisfactory achievement of all the performance criteria
	specified for each Learning Outcome.

The following abbreviations are used below:

- LO Learning Outcome
- IA Instrument of Assessment
- PC Performance Criteria

LO1 IDENTIFY THE RISKS INVOLVED, AND PRECAUTIONS TO BE TAKEN WHEN WORKING IN A SPECIFIC HAZARDOUS ENVIRONMENT

- PC (a) The risks most likely to be met in a specific hazardous environment are described.
  - (b) The regime of precautions is described in terms of training, work practice, protective garments and equipment.
  - (c) The use of specialist clothing and equipment needed to minimise risks is correctly described.
  - (d) The key work practices needed to minimise the risks are correctly described.
- IA Restricted Response Questions

The student will be set questions to test ability to identify the risks and associated precautions to be taken when working in a hazardous environment.

The test will comprise 8 questions to be allocated to the following areas, to reflect the nature of the specific environment, with a minimum of one question per area:

- (a) risks
- (b) regime of precautions
- (c) specialist clothing
- (d) key work practices

Satisfactory achievement of the Learning Outcome will be based on the student producing six correct responses including one from each section.

# RESPOND CORRECTLY TO SIGNS, ALARMS AND INDICATIONS OF INCREASED HAZARD

- PC (a) Appropriate action is taken in response to signs.
  - (b) The drills instigated by standard alarms indicating an increased hazard are correctly carried out with due attention to the immediate safety of others.
  - (c) Alarms are raised correctly in response to events indicating an increase in hazard.

LO2

LO4

### IA Simulation Exercise

The student will be set a simulation exercise during which a number of alarms and common indications of increased hazard are triggered. The student will be required to demonstrate the appropriate action, instigate drill(s) and raise alarm in response to events.

A checklist will be kept to record the performance of each student.

Satisfactory achievement of the Learning Outcome will be based on the student meeting all of the performance criteria.

LO3 USE A VARIETY OF PROTECTIVE CLOTHING AND EQUIPMENT

- PC (a) Inspection and fault finding of protective clothing and equipment is carried out to ensure serviceability.
  - (b) Whole or part body protective clothing for a specific hazardous environment is correctly selected, worn and adjusted.
  - (c) Working equipment in a specific hazardous environment is correctly operated.
- IA Practical Exercise

The student will be set a practical exercise to show ability to use a variety of protective clothing and equipment for use in a hazardous environment.

A checklist will be kept to record the student's performance in carrying out the tasks related to each of the performance criteria.

Satisfactory achievement of the Learning Outcome will be based on the student meeting all of the performance criteria.

CARRY OUT ESTABLISHED PROCEDURES FOR SAFE WORKING IN HAZARDOUS ENVIRONMENTS

- PC (a) Established procedures in preparation for work in a hazardous environment are properly carried out.
  - (b) Set tasks are successfully completed according to established safe working procedures in a hazardous environment.
  - (c) Correct closing down procedures are strictly observed.

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### IA Simulation Exercise

The student will be set a simulation exercise in which he/she will be required to carry out established safe working practices for the selected environment. The exercise should be as realistic as possible and the minimum time constraints and requirements appropriate to the tasks should be observed.

A performance checklist will be kept which details the procedures appropriate for the particular hazardous environment in which the student is working.

Satisfactory achievement of the Learning Outcome will be based on the student meeting all of the performance criteria.

LO5 CARRY OUT ESTABLISHED PROCEDURES TO MAINTAIN THE PHYSICAL SECURITY OF A WORK AREA

- PC (a) Established procedures for authorising access to a specific hazardous environment are correctly carried out.
  - (b) Attempts to infringe established security regulations in a specific hazardous environment are correctly dealt with.
- IA Simulation Exercise

The student will be set a simulation exercise to test ability to put into practice the procedures for authorising access and dealing with security infringements.

A performance checklist will be kept which details the particular tasks appropriate to the access and security infringement procedures for the selected environment.

Satisfactory achievement of the Learning Outcome will be based on the student meeting both performance criteria.

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