

**-SQA-SCOTTISH QUALIFICATIONS AUTHORITY**

**Hanover House  
24 Douglas Street  
GLASGOW G2 7NG**

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**NATIONAL CERTIFICATE MODULE DESCRIPTOR**

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<b>-Module Number-</b>	<b>0068693</b>	<b>-Session-1986-87</b>
<b>-Superclass-</b>	<b>ZF</b>	

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<b>-Title-</b>	<b>SIGNALS</b>
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**-DESCRIPTION-**

Type and Purpose	A <u>specialist</u> module which enables the student to prepare for the Department of Transport Class 4 (Deck) examination in signals.
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Preferred Entry Level	None.
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Learning Outcomes	The student should:  <ol style="list-style-type: none"><li>1. send and receive signals in morse-code by flash lamp at up to 6 words per minute;</li><li>2. send and receive signals in the 'International Code of Signals';</li><li>3. prepare portable radio equipment and operate all the distress frequency facilities.</li></ol>
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Content/Context	Corresponding to the Learning Outcomes:  <ol style="list-style-type: none"><li>1. Plain language messages and alpha-numeric blocks.</li><li>2. The single letter meanings of code flags, the important two letter signals, the phonetics, procedures, encoding and decoding.</li><li>3. Distress frequencies and their times, external features of the portable radio equipment, operation of equipment.</li></ol>
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Suggested Learning and Teaching Approaches

Active learning and teaching approaches should be used throughout, with demonstrations and "hands-on" experience.

Assessment Procedure

Learning outcome 1 should be assessed by a series of practical tests in which the student:

- (a) receives a block of 80 mixed letters and numerals;
- (b) receives a 10 word plain language message;
- (c) sends a block of 10 mixed letters and numerals;
- (d) sends a 6 word plain language message.

Satisfactory performance will be the correct completion of the practical tests on 2 or more occasions. Testing should take place no later than 2/3 of the way through the module to allow time for remediation and retesting.

Learning outcome 2 should be assessed as follows:

- (a) a series of practical tests using the 'International Code' to encode and decode messages, satisfactory performance being the correct completion of the practical tests on 2 or more occasions;
- (b) a series of oral questions to include the format of the Code, procedures and the use of single/two letter signals, satisfactory performance being 70% or better depending on the difficulty of the test set. The tutor must exercise his/her professional judgement on the student's ability to communicate.

Testing should take place no later than 1/3 of the way through the module to allow time for remediation and retesting.

Learning outcome 3 should be assessed as follows:

- (a) a practical test on the use of lifeboat radio, satisfactory performance being the correct completion of the practical test on 2 or more occasions;
- (b) a series of oral questions on lifeboat radio procedures, satisfactory performance being 70% or better depending on the difficulty of the test set. The tutor must exercise his/her professional judgement on the student's ability to communicate.

Testing should take place no later than 2/3 of the way through the module to allow time for remediation and retesting.

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