

**DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)**

**HOME SCHOOLING SELF-STUDY WORKSHEET ANSWER SHEET**

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| **SUBJECT** | NAUTICAL SCIENCE | **GRADE** | 11 | **DATE** | 6/4/20 |
| **TOPIC** | COMMUNICATIONS | **TERM 1**  **REVISION** | X | **TERM 2 CONTENT** | (Please tick) |

**Maritime Communications**

**QUESTION 1**

1.1 Flags,  Semaphore,  Flashing Light, 

Pyrotechnics,  Hand Signalling,  Radio 

Amplified Voice /Loudhailer,  Ship’s Bell,  Ship’s Siren/Horn,  U/W Telephone,  Satellite Telephone,  Morse Code, 

**[Any four]**  (4)

1.2 International Code of Signal  (INTERCO). (1)

1.3 What is the phonetic pronunciation of each of the following letters?

1.3.1 C = Charlie  (1)

1.3.2 J = Juliett  (1)

1.3.3 N = November  (1)

1.3.4 V = Victor  (1)

1.3.5 Y = Yankee  (1)

1.4 Which flag should you hoist to indicate the following situation / activity?

1.4.1 Charlie  Yes / Positive / Affirmative (1)

1.4.2 November  No / Negative (1)

1.4.3 Oscar  Man overboard (1)

1.4.4 India  I am altering course to port (1)

1.4.5 Sierra  My engines are going astern (1)

1.5 What is the single meaning of the following flag?

1.5.1 WHISKEY I require medical assistance.  (1)

1.5.2 QUEBEC My vessel is “healthy” and I request free pratique.  (1)

1.5.3 GOLF I require a pilot.  (1)

1.5.4 HOTEL I have a pilot on board.  (1)

1.5.5 ZULU I require a tug.  (1)

**Sub Total [20]**

**QUESTION 2**

2.1 Ship’s name  or call-sign  (2)

2.2 • The call 

* Identity of the caller 
* The message 
* The ending / termination . (4)

2.3 What is the code word/signal for the following messages?

2.3.1 MAYDAY  (1)

2.3.2 PAN-PAN  (1)

2.3.3 SECURITE  (1)

2.4.1 The station/vessel is in grave and immnent danger.  (1)

2.4.2 The station has a very urgent message to transmit concerning the safety

of the mobile station or person.  (1)

2.4.3 The station has an important navigational or meteorological warning to

Transmit.  (1)

2.5 • The distress signal / code word 

* Identity of the station in distress 
* The position of the station in distress 
* The nature of distress 
* The type os assistance required 
* Any other information that may facilitate rescue 
* The ending / termination  **[Any six]**. (6)

2.6 The DISTRESS call has priority over all transmissions  (1)

2.7 The Master / Captain.  (1)

**Sub Total [20]**

**QUESTION 3**

3.1.1 Safety signal/message  (1)

3.1.2 'Securite – securite - securite 

All ships all ships all ships

This is Zulu Siera Tango Whisky

Zupta Zupta Zupta 

Lost overboard three (I say again three) containers 

In the vicinity/position 50 miles north-north east of Richards Bay 

(Weather conditions) strong gale force southerly wind 

Visibility reduced 

Containers are semi-submerged and considered dangerous to navigation 

All ships to keep a good lookout and report sightings 

OVER'  (10)

3.2.1 Cancel the (distress) urgency message.  (1)

3.2.2 Urgency message cancellation:

'Pan-Pan Pan-Pan Pan-Pan 

All ships all ships all ships

This is Zulu Siera Tango Whisky 

Zupta Zupta Zupta 

Urgency message cancelled 

No further assistance required

Repeat / (I say again), no further assistance required 

The vessel has regained power and proceeding on passage 

Repeat / (I say again), urgency message cancelled 

This is Zulu Siera Tango Whisky

Over'  (8)

3.3 (HF) 2182 kHz  (2)

3.4 (VHF) 156,8 MHz  (2)

3.5 Good operating practices when making a radio call:

* Do not transmit during silence periods 
* Listen before calling to ensure that there is no distress traffic in progress, and that you are not interrupting any other communications 
* Call on the calling frequency for no longer than 1 minute 
* Change to a working frequency to send your message 
* If a distress, urgency or safety message is received while operating radio equipment, stop and listen to the call and the message 
* Prepare the message before transmitting 
* Speak clearly and deliberately 
* Use the phonetic alphabet and spell out and clarify names, letters and numerals 
* Transmit important groups of numbers singly and phonetically 
* Do not use abusive or foul language 
* Use the names and call signs of the stations you are communicating

with, not personal names  **[Any five]**  (5)

3.6 Two.  (1)

**Sub Total [30]**

**GRAND TOTAL : 70**