**IALA Model Course**

V-103/1

Vessel Traffic Services Operator Training

Revised Module 7 in new table format

Numbering suggested:

* First number – module number
* Second number – sequential number for subject area
* Third number – sequential number for session objective
* Fourth number – subject element

For review at VTS52

1. EMERGENCY SITUATIONS
   1. SUBJECT FRAMEWORK
      1. Scope

This module covers response to emergency situations that may arise within a VTS area.

It includes the theory and practice of responding to emergency situations and maintaining safety of the waterway while the emergency situation is being dealt with.

* + 1. Objective of Module 7

On completion of the course the student will identify the type and scale of an emergency response and respond to emergency situations, security alerts, pollution response and other special circumstances.

The student will also co-ordinate effectively with allied services, including emergency response and search and rescue authorities.

## Suggested Training aids and exercises

The teaching methods for that are suggested for use in the delivery of this module include:

* Classroom presentations and facilitated discussion
* Case studies and activities
* Simulation
* E-learning
* [to be developed]

## References relevant to this module

The following references are relevant to the planning and delivery of this module:

[to be developed…]

* 1. SUBJECT OUTLINE OF MODULE 7

1. Subject outline – Emergency situations

|  |  |  |  |
| --- | --- | --- | --- |
| Subject Area | Recommended Competence Level | Recommended Hours | |
| Presentations/ Lectures | Exercises/ Simulation |
|  |  |  |  |
| Contingency plans |  |  |  |
| Role of Contingency plans | 2 |  |  |
| Emergency Response |  |  |  |
| Steps to follow | 1 |  |  |
| Internal / External emergencies | 2 |  |  |
| Recording activities | 2 |  |  |
| Maintaining a safe waterway | 3 |  |  |
| Reporting incidents and near misses |  |  |  |
| Process for reporting | 1 |  |  |
|  |  | Total 12 hours | Total 10 hours |

* 1. DETAILED competence table OF MODULE 7 – emergency situations

1. Competence Table – Emergency Situations

| Element | *Session Objective* | Sub-element | Subject Elements | Level of Competence |
| --- | --- | --- | --- | --- |
| **7.1** | **Contingency Plans** |  |  |  |
| **7.1.1** | *Describe the role of contingency plans in VTS operations.* | 7.1.1.1 | Overview of Contingency Planning | 2 |
| 7.1.1.2 | Implementation of contingency plans | 2 |
| 7.1.1.3 | Examples of contingency plans   * Collisions * Grounding * Marine pollution * Fire * Hazardous cargo * Search and Rescue (SAR) incidents * Others | 2 |
| **7.2** | **Emergency response** |  |  |  |
| **7.2.1** | *Define the steps in emergency response* | 7.2.1.1 | Definitions of incident, accident, crisis | 1 |
| 7.2.1.2 | Prioritise incident:   * Data collection * Evaluation * Classification | 1 |
| 7.2.1.3 | Response planning and action:   * Alerting procedures * Maintaining safe and efficient flow of traffic * Communication * Co-ordination with, and support to, allied services * Situation reports * Navigational warnings (when required) | 1 |
| **7.2.2** | *Identify response actions for internal and external emergencies* | 7.2.2.1 | Internal emergencies (internal to the VTS centre)   * System failure * Fire/flood * Evacuation of VTS centre | 1 |
|  |  | 7.2.2.2 | External emergencies (external to the VTS centre)   * Collisions * Allisions * Groundings * Marine Pollution * Fire * Hazardous cargoes * SAR incidents * Severe weather events * Other special circumstances | 1 |
| **7.2.3** | *Describe procedures for recording activities during incidents and emergency situations.* | 7.2.3.1 | Importance of recording activities during incidents and emergencies | 2 |
| 7.2.3.2 | Methods of recording | 2 |
| 7.2.3.3 | Security of information | 2 |
| **7.2.4** | *Demonstrate the actions required to ensure the protection of the VTS area and, as far as practicable, maintain a safe and efficient flow of traffic* | 7.2.4.1 | Monitoring and managing ship traffic during emergencies:   * Alternative routing arrangements * Water space management (spatial separation / temporal separation) * Emergency alteration to route plans, speed restrictions | 3 |
| 7.2.4.2 | Maintain communications | 3 |
| 7.2.4.3 | Role of:   * Checklists * Standard operating procedures | 3 |
|  |  |  |
|  |  |  |  |  |
| **7.3** | **Reporting incidents and near misses** |  |  |  |
| **7.3.1** | *Define the process for reporting incidents and near misses* | 7.3.1.1 | Classification of:   * Casualty * Incident * Near miss | 1 |
|  |  | 7.3.1.2 | Role of VTS in incident reporting | 1 |
|  |  | 7.3.1.3 | Providing report:   * Content * Process | 1 |
| **7.3.2** | *Explain reporting obligations and requirements related to ship and port security* | 7.3.2.1 | Introduction to International Ship and Port Security (ISPS) Code | 2 |
|  |  | 7.3.2.2 | Overview of ISPS code and security levels | 2 |
|  |  |  |  |  |