

PSSVTS103

Monitor the present and forecast meteorological and hydrological conditions



Overview

This standard covers the skills and knowledge required to monitor the present and forecast meteorological and hydrological conditions

The Vessel Traffic Services Operator is required to obtain and monitor meteorological and hydrological information. They use this information to determine the present and forecast meteorological and hydrological conditions and to make appropriate responses based on that determination.

This standard concerns the ability of the Vessel Traffic Services Operator to obtain present and forecast meteorological and hydrological conditions.

There are two elements in this standard:

- 1 Determine the present and obtain forecast meteorological and hydrological conditions
- 2 Receive, monitor and respond to meteorological and hydrological information

Target Group

This standard applies to an authorised Vessel Traffic Services Operator who has a duty to ensure the safety of navigation and protection of the environment within their area.

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Performance criteria

Determine the present and obtain the forecast for meteorological and hydrological conditions

You must be able to:

- P1 obtain a briefing on appropriate meteorological information before taking over watch
- P2 obtain briefing on appropriate hydrological information before taking over watch

Receive, monitor and respond to meteorological and hydrological information

You must be able to:

- P3 obtain and maintain a dynamic situational awareness of the meteorological and hydrological conditions
- P4 recognise significant changes in meteorological and hydrological conditions
- P5 assess the potential impact of changes in meteorological and hydrological conditions and formulate or adjust plans and actions accordingly
- P6 disseminate essential meteorological / hydrological information as soon as practicable to stakeholders

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Knowledge and understanding

You need to know and understand:

- K1 the hazards and risks of the workplace that may affect people and the environment
- K2 how to make and apply decisions based on the assessment of risk
- K3 how to apply practices that maximise the health, safety and welfare of self and others in the workplace
- K4 the national and international regulations, statutory authority, codes of practice and industry good practice in relation to Vessel Traffic Services and the role of Vessel Traffic Services Operator
- K5 your organisation's policies, procedures and working practices relevant to Vessel Traffic Services operations
- K6 the different roles within Vessel Traffic Service operations, their priorities and responsibilities
- K7 lines and methods of communication /reporting in the workplace
- K8 vessel movement and data recording equipment, their operating principles and how they are maintained
- K9 how to communicate clearly and effectively with the range of people involved
- K10 the principles, controls and operation of equipment including barometric pressure equipment, temperature and humidity indicators, anemometers and visibility sensors
- K11 how to read synoptic charts, tide/current tables and tide gauges
- K12 how to calculate intermediate tidal heights and times
- K13 the tide tables for primary and secondary ports
- K14 how broadcasts of meteorological and hydrological information are typically formatted

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Additional Information

External Links

The important contribution of Vessel Traffic Services towards maintaining the safety of life at sea, safety and efficiency of navigation and the protection of the marine environment is recognised nationally and internationally. International Association of Marine Aids to Navigation & Lighthouse Authorities (IALA) guidelines on recruitment, qualification and training for Vessel Traffic Services Operators have been adopted and are regulated in the UK through the Maritime and Coastguard Agency. These Vessel Traffic Services National Occupational Standards take cognisance of and complement the IALA guidelines and model courses.

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Relevant occupations Vessel Traffic Service Operators; Vessel Traffic Service Supervisor; Vessel Traffic Service Manager; Harbour Masters; Marine Pilots; Ship's Master; Bridge Team

Suite Vessel Traffic Services Operations

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