

Overview

This standard covers the competence required to manage port marine conservancy responsibilities.

It includes but is not limited to provision of navigational information to port users; undertaking hydrographic surveys; the provision of aids to navigation, maintenance of navigational channels by dredging and other means.

The role requires the interpretation and application of, and compliance with, relevant international and national regulations; local legislation, codes of practice, standards, frameworks and industry guidance.

Target Group

This standard applies to individuals who have a duty to facilitate the safe and efficient use of the harbour and conserve the port for the safe use by vessels.

Typically, this will be the Harbour Master or Authorised Deputies with delegated powers.

Note that in this NOS, unless otherwise specified, the term port may also mean harbour. However, the term harbour does not necessarily mean port.

Performance criteria

You must be able to:

1. develop a comprehensive method for the provision of timely and accurate navigational information for:
 1. navigational warnings
 2. tidal data
 3. local Notices to Mariners
 4. other relevant navigational safety
2. provide timely and accurate navigational information to stakeholders
3. review the provision of timely and accurate navigational information:
 1. periodically
 2. in light of new information
4. undertake hydrographic surveys of all navigable water and circulate the information to affected stakeholders
5. maintain accurate hydrographic and hydrological records
6. manage the provision and maintenance of aids to navigation including:
 1. purchase/replacement
 2. inspection
 3. maintenance and repair
7. consult with the appropriate Lighthouse Authority in respect of the installation, inspection, removal, or changes to aids to navigation
8. manage inspection, maintenance and replacement of aids to navigation to deliver appropriate Lighthouse Authority defined service levels
9. manage the safe and effective provision, of other marine services relevant to the port
10. maintain navigational channels by dredging to provide safe passage of vessels

Knowledge and understanding

You need to know and understand:

1. international and national regulations; local legislation, codes of practice, standards, frameworks and industry guidance 2. the purpose, typical functioning principles, benefits and constraints of Vessel Traffic Services and Local Port Information Services 3. international and national regulations, guidance and codes relating to marine conservancy 4. the types of navigational information typically provided by a port 5. the available means of promulgating navigational information in a timely fashion and their associated benefits and constraints 6. third-party conservancy information and publications, and where to find them 7. the activities included under the title 'conservancy' and what are the specific responsibilities of the individual port 8. the techniques and equipment typically used when conducting hydrographic surveys in ports and what are their benefits and constraints 9. the factors that determine: 1. when surveys should be conducted 2. how survey results are processed and recorded 3. how chart corrections are made, reported and promulgated locally 4. how charts are kept up to date 10. the equipment that can be used to monitor tidal height and current 11. how to use formal Risk Assessment to establish the need for, and use of, Aids to Navigation 12. the purpose, powers and working practices of statutory and other organisations that may be concerned with conservancy 13. the nature of the interaction between the port and statutory or other organisations, including the extent of the port's obligation to cooperate on conservancy matters 14. the responsibilities a port undertakes when acting as a Local Lighthouse Authority including typical: 1. service levels 2. inspection and maintenance procedures 15. the range, operating principles, benefits and constraints of aids to navigation that are potentially available for port use 16. typical principles, content and format of an asset register and how to produce one 17. the types of inspections, planned maintenance routines and records typically applied to marine assets and port infrastructure 18. how to plan and operate a budget

Manage port marine conservancy

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