

Title	Demonstrate knowledge of international standards applicable to marine product supply		
Level	4	Credits	3

Purpose	People credited with this unit standard are able to demonstrate knowledge of: ISO and IEC standards; ABYC and USCG standards; IP ratings for marine products; Colregs; and classification societies and their impact on the selection of marine products.
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Classification	Boating Industries > Marine Sales and Services
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Available grade	Achieved
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Guidance Information

- 1 Definitions
ABYC refers to American Boat and Yacht Council.
CE refers to mandatory European marking for certain product groups.
Colregs refers to Convention on the International Regulations for Preventing Collisions at Sea, 1972.
IEC refers to International Electrotechnical Commission standards.
IP refers to Ingress Protection Rating.
ISO refers to International Organization for Standardization – largest publisher of international standards.
NMMA refers to National Marine Manufacturers Association (America).
USCG refers to United States Coast Guard.
- 2 For New Zealand and Australian standards refer to Unit 25359, *Demonstrate knowledge of Australian and New Zealand standards applicable to marine product supply*.
- 3 Information about classification societies can be found at the International Association of Classification Societies Limited website at <http://www.iacs.org.uk>.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of ISO and IEC standards and their impact on the selection of marine products.

Performance criteria

- 1.1 ISO standards are described in terms of their intended purpose and application to marine products.
- 1.2 The use of ISO and IEC standards is described as a way of proving compliance with European Union directives.
- 1.3 IEC standards are described in terms of their intended purpose and application to electrical products.

Outcome 2

Demonstrate knowledge of ABYC and USCG standards.

Performance criteria

- 2.1 The purpose of ABYC and USCG standards are described in terms of their impact on the selection of marine products for US vessels.
- 2.2 The use of ABYC standards as a way of proving compliance with the NMMA boatbuilder construction program is described. The implications for products supplied to NMMA certified boats is explained.

Outcome 3

Demonstrate knowledge of IP ratings for marine products.

Performance criteria

- 3.1 The purpose of IP ratings is described for marine products.
- 3.2 IP ratings are interpreted to enable appropriate marine product selection according to the intended product use.

Outcome 4

Demonstrate knowledge of the Colregs and their impact on the selection of marine products.

Performance criteria

- 4.1 Colregs are described in terms of their impact on selection of marine products.
- 4.2 Marine products are identified that comply with the Colregs. The identification includes justification of the product compliance.

Range evidence is required for two products.

Outcome 5

Demonstrate knowledge of classification societies and their impact on the selection of marine products.

Performance criteria

- 5.1 Classification societies are described in terms of their role in dictating the specifications of ships.
- 5.2 Methods of achieving compliance with classification society requirements are identified for marine product selection.

Planned review date	31 December 2020
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	12 December 2008	N/A
Rollover and Revision	2	31 May 2018	N/A

Consent and Moderation Requirements (CMR) reference	0136
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the NZ Marine and Composites ITO training@nzmarine.com if you wish to suggest changes to the content of this unit standard.