



Australian Government
Australian Maritime Safety Authority

AMSA MO 2014/4

Marine Order 72 (Engineer officers) 2014

I, Graham Peachey, Chief Executive Officer of the Australian Maritime Safety Authority, make this Order under subsection 342(1) of the *Navigation Act 2012*.

21 February 2014

Graham Peachey
Chief Executive Officer

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Division 1 Preliminary

1 Name of Order

This Order is *Marine Order 72 (Engineer officers) 2014*.

1A Commencement

This Order commences on 1 April 2014.

2 Purpose

- (1) This Order:
 - (a) specifies standards of competence to be attained and other conditions to be satisfied by a person to be a qualified engineer officer under the Navigation Act; and
 - (b) gives effect to the STCW Convention.

Note The 2011 edition of the STCW Convention and the STCW Code (including the amendments to the annex of the Convention known as the 2010 Manila Amendments) can be purchased from the International Maritime Organization. See the IMO website at <http://www.imo.org/publications>.

- (2) This Order is to be read with *Marine Order 70 (Seafarer certification) 2014*.

3 Power

- (1) The following provisions of the Navigation Act provide for this Order to be made:
 - (a) section 28 which provides that regulations may provide for seafarer certificates and give effect to the STCW Convention;
 - (b) subsection 29(1) which provides that regulations may prescribe different classes of seafarer certificates and require an individual to hold a seafarer certificate of a particular kind to undertake particular duties, or perform particular functions, as a seafarer;
 - (c) subsection 29(2) which provides that the regulations may prescribe, for seafarer certificates, proficiencies, competencies and standards, qualifications, experience, minimum age, character, health, nationality, citizenship or residence;
 - (d) subsection 29(3) which provides that the regulations may provide for:
 - (i) how the attainment of proficiencies, competencies and standards is to be evidenced (including the gaining of sea service and other experience); and
 - (ii) the instruction, training and examination of seafarers (including the conduct of exams etc); and
 - (iii) the recognition of certificates and other documents granted or issued to or for masters, officers and seafarers under the national law, the law of a State, a Territory or a foreign country; and
 - (iv) conditions to which seafarer certificates are subject;
 - (e) subsection 314(1) which provides that regulations may provide for the following matters for certificates: the persons who may apply, the forms for applying, the way of applying, the information to be included in applications and the documents to accompany applications;

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- (f) subsection 314(3) which provides that the regulations may provide, for certificates, criteria to be satisfied for their issue, variation or revocation, the time limits for the determination of applications, information to be included in certificates, the person in whose name a certificate is to be issued, conditions to which certificates are subject and conditions that may be imposed on certificates by issuing bodies, the time certificates, variation of certificates and revocations of certificates come into force, the time certificates cease to be in force and ways of replacing certificates;
 - (g) subsection 314(4) which provides that criteria and conditions may relate to compliance with specified standards;
 - (h) subsection 314(5) which provides that regulations may provide for the renewal, suspension, transfer and surrender of certificates, and reports and declarations of issuing bodies, inspectors or other persons;
 - (i) subsection 342(1) which provides for the making of Marine Orders for any matter for which provision must or may be made by the regulations.
- (2) Subsection 339(1) of the Navigation Act also provides a general regulation making power for matters required or permitted to be prescribed by the Navigation Act, or that are necessary or convenient to be prescribed for carrying out or giving effect to the Act.

Note The Navigation Act includes a number of offences relating to seafarer certificates — see Chapter 2, Part 2, Division 3 of the Act. Offences include falsely representing that a person holds a kind of certificate (section 34), performing duties or functions without the appropriate seafarer certificate (section 35) and breaching a condition of a seafarer certificate (section 37).

4 Definitions

- (1) In this Order:

chief engineer duties or functions means the tasks, duties and responsibilities of a chief engineer officer that are specified as competencies in STCW Code Table A- III/2, column 1.

electro-technical officer duties or functions means the tasks, duties and responsibilities of an electro-technical officer that are specified as competencies in STCW Code Table A-III/6, column 1.

Engineer Class 3 NC means a certificate of competency of that name mentioned in NSCV Part D that is issued by the National Regulator under *Marine Order 505 (Certificates of competency — national law) 2013*.

engineer training program short courses means the following courses:

- (a) training in advanced fire fighting (that complies with STCW Code Table A-VI/3);
- (b) training in medical first aid (that complies with STCW Code Table A-VI/4 paragraphs 1 to 3);
- (c) basic safety training that includes:
 - (i) personal survival techniques (that complies with STCW Code Table A-VI/1-1); and
 - (ii) fire prevention and fire fighting (that complies with STCW Code Table A-VI/1-2); and
 - (iii) elementary first aid (that complies with STCW Code Table A-VI/1-3); and

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- (iv) personal safety and social responsibilities (that complies with STCW Code Table A-VI/1-4); and
- (v) security awareness training (that complies with STCW Code section A-VI/6 paragraph 4).

engineer watchkeeper duties or functions means the tasks, duties and responsibilities of an officer in charge of an engineering watch specified by STCW Code, Table A-III/1, column 1.

Marine Engine Driver Grade 1 NC certificate of competency means a certificate of competency of that name mentioned in NSCV Part D that is issued by the National Regulator under *Marine Order 505 (Certificates of competency — national law) 2013*.

qualification that is not workshop skills equivalent means any of the following:

- (a) an advanced diploma of mechanical engineering, electrical engineering or electronics;
- (b) an approved engineering qualification.

second engineer duties or functions means the tasks, duties and responsibilities of a second engineer officer specified by STCW Code Table A-III/2, column 1.

Note In the Australian maritime industry, the engineer officer who performs the functions of a Second engineer specified by the STCW Code is generally referred to as the First engineer.

workshop skills equivalent qualification means any of the following:

- (a) Trade certificate in Fitter and turner/machinist;
 - (b) Trade certificate as Diesel Fitter;
 - (c) Trade certificate as Electrical Fitter;
 - (d) Certificate III in Engineering/mechanical trade;
 - (e) Certificate III in Automotive/mechanical — diesel fitter;
 - (f) Certificate III in Automotive/mechanical — heavy vehicle Road Transport;
 - (g) Certificate III in Automotive mechanical — heavy vehicle mobile equipment, plant/earthmoving/agriculture;
 - (h) Certificate III in Marine mechanics;
 - (i) Certificate III in Automotive mechanical — engine reconditioning;
 - (j) Certificate III in ESI generation electrical/electronic;
 - (k) Certificate III in ESI generation mechanical;
 - (l) any other approved qualification that includes workshop skills.
- (2) Terms defined in *Marine Order 70 (Seafarer qualifications) 2014* and used in this Order have the meaning given by that Order.

Note 1 For information on obtaining copies of IMO documents mentioned in this Order see AMSA's website at <http://www.amsa.gov.au> or email international.relations@amsa.gov.au.

Note 2 Some terms used in this Order are defined in *Marine Order 1 (Administration) 2013* including:

- AMSA Act
- IMO
- Navigation Act
- NSCV
- SOLAS

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- STCW Code.

Note 3 Other terms used in this Order have the same meaning that they have in the Navigation Act, including:

- AMSA
- Government vessel
- master
- officer
- owner
- regulated Australian vessel
- seafarer
- seafarer certificate
- STCW Convention.

Note 4 For delegation of AMSA's powers under this Order — see the AMSA website at <http://www.amsa.gov.au>.

5 Application

This Order applies to the following persons:

- (a) a person performing or intending to perform, duties or functions as an engineer officer on a regulated Australian vessel;
- (b) a person who holds a seafarer certificate as an engineer officer.

6 Certification taken to be qualification to perform duties

For section 35 of the Navigation Act, a person is qualified to perform the duties or functions of an engineer officer for a regulated Australian vessel if:

- (a) the person holds a seafarer certificate that this Order requires the person to hold to perform those duties or functions; and
- (b) the certificate permits the person to perform duties or functions mentioned in Schedule 1 for the grade of certificate.

Note A seafarer certificate issued under the Navigation Act, including a certificate of recognition, may include endorsements permitting the certificate holder to perform stated duties or functions — see section 8 of *Marine Order 70 (Seafarer certification) 2014*.

7 Grades of certificate — permitted duties or functions

For paragraph 35(1)(a) of the Navigation Act, a person must hold a seafarer certificate of a grade mentioned in Schedule 1 to perform the permitted duties or functions mentioned in Schedule 1 for the grade of certificate.

Note A certificate of recognition is a kind of seafarer certificate — see subsection 7(2) of *Marine Order 70 (Seafarer certification) 2014*.

Division 2 Requirements

8 Propulsion power

A seafarer certificate to which this Order applies must include the kind of propulsion power to which the certificate applies.

Note **kind**, for propulsion of a vessel, means steam or motor — see section 4 of *Marine Order 70 (Seafarer certification) 2014*.

Section 13**9 General requirements**

For paragraph 31(1)(b) of the Navigation Act, the criteria for the issue by AMSA to a person of a seafarer certificate as an engineer officer are as follows:

- (a) the person is familiar enough with the English language that the person can fully understand directions and documents relating to the performance of the duties permitted under the certificate;
- (b) the person satisfies the eligibility requirements for the certificate that are mentioned in Schedule 2.

10 Qualifying seagoing service requirements

The qualifying seagoing service requirements are those mentioned in Schedule 3.

11 Revalidation requirements

- (1) AMSA may revalidate a seafarer certificate so that it expires before 1 January 2017 if satisfied that:
 - (a) the certificate is not suspended, cancelled or revoked; and
 - (b) the applicant satisfies the revalidation requirements mentioned in clauses 4.1 and 4.2 and paragraph 4.3(c) of Schedule 4.
- (2) AMSA may revalidate a seafarer certificate or a certificate of recognition so that it expires after 31 December 2016 if satisfied that:
 - (a) the certificate is not suspended, cancelled or revoked; and
 - (b) the applicant satisfies the revalidation requirements mentioned in Schedule 4.

Division 3 Transitional arrangements**12 Expiry of previously issued certificates**

A certificate of competency as engineer officer that is in force on 31 March 2014, and any endorsement of it, expires on the earlier of:

- (a) the day determined by AMSA for expiry of the certificate; or
- (b) 1 January 2017.

13 Current engineering certificate holders

A person holding a certificate of competency as engineer officer that was issued under *Marine Order 3 (Seagoing qualifications) 2004* is taken to hold a seafarer certificate that is a certificate of competency as engineer officer.

Note **seafarer certificate** means a certificate issued under s 31 of the Navigation Act — see s14 of the Navigation Act.

Schedule 1 Grades of certificate — permitted duties or functions

(section 7)

Grade of certificate	Permitted duties or functions
Electro-technical officer	<ul style="list-style-type: none"> (a) Electro-technical officer duties or functions on a vessel powered by main propulsion machinery of any propulsion power in any operating area. (b) Able seafarer — engine rating duties or functions
Engineer Watchkeeper	<ul style="list-style-type: none"> (a) Engineer watchkeeper duties or functions on a seagoing vessel powered by main propulsion machinery of any propulsion power, of the kind stated on the certificate, in any operating area; and (b) if endorsed, second engineer duties or functions on vessels <3000 kW propulsion power in any operating area; and (c) if endorsed, chief engineer duties or functions on vessels <3000 kW propulsion power operating in near-coastal waters; and (d) electrical, electronic and control engineering duties (e) Able seafarer — engine rating duties or functions
Engineer Class 2	<ul style="list-style-type: none"> (a) Second engineer or engineer watchkeeper duties or functions on a vessel powered by main propulsion machinery of any propulsion power, of the kind stated on the certificate, in any operating area; and (b) Chief engineer duties or functions on a vessel powered by main propulsion machinery <3000 kW propulsion power in any operating area; and (c) electrical, electronic and control engineering duties (d) Able seafarer — engine rating duties or functions
Engineer Class 1	<ul style="list-style-type: none"> (a) Chief engineer, second engineer or engineer watchkeeper duties or functions on a vessel powered by main propulsion machinery of any propulsion power, of the kind stated on the certificate, in any operating area; and (b) electrical, electronic and control engineering duties (c) Able seafarer — engine rating duties or functions

Schedule 2 Eligibility requirements for certificates

(subparagraph 9(b))

Grade of certificate	Eligibility requirements
Electro-technical officer	<p>Person must:</p> <ul style="list-style-type: none"> (a) be at least 18 years old; and (b) have completed an approved training course that: <ul style="list-style-type: none"> (i) includes a program of workshop skills training; and (ii) complies with STCW Code section A-III/6 and includes the following: <ul style="list-style-type: none"> (A) training in advanced fire fighting (that complies with STCW Code section A-VI/3); (B) training in medical first aid (that complies with STCW Code section A-VI/4 paragraphs 1 to 3); (C) security awareness training (that complies with STCW Code section A-VI/6 paragraph 4); and (c) have completed at least 6 months documented qualifying seagoing service on vessels with a total installed electrical generation capacity of ≥ 750 kW as part of an approved training program; and (d) have completed an approved course of basic safety training (that complies with STCW Code section A-VI/1 paragraph 2); and (e) hold a certificate of proficiency in survival craft and rescue boats other than fast rescue boats (that complies with STCW Code section A-VI/2 paragraphs 1 to 4); and (f) hold a certificate of medical fitness; and (g) have passed a final assessment
Engineer Watchkeeper	<p>Person must:</p> <ul style="list-style-type: none"> (a) be at least 18 years old; and (b) have completed at least 1 of the following engineer training programs: <ul style="list-style-type: none"> (i) an engineer cadet program; (ii) a trainee engineer program; (iii) an engineering experience training program; and (c) if the person has only completed the engineering experience training program — hold or have held for at least 12 months an Engineer Class 3 NC certificate of competency or an unrestricted Engineer Class 3 certificate of competency issued by a State before 1 July 2013; <p>An <i>engineer cadet program</i> of at least 3 years duration consists of:</p>

Grade of certificate**Eligibility requirements**

-
- (a) an approved training course that complies with STCW Code section A-III/1 and includes a program of workshop skills training of at least 36 weeks duration in the following competencies specified in STCW Code Table A-III/1 column 1:
 - (i) maintenance and repair of electrical and electronic equipment;
 - (ii) appropriate use of hand tools, machine tools and measuring instruments for fabrication and repair on board;
 - (iii) maintenance and repair of shipboard machinery and equipment; and
 - (b) qualifying seagoing service that is:
 - (i) of at least 36 weeks on vessels ≥ 750 kW propulsion power, under the supervision of an engineer officer, of which (except for the holder of a certificate as Engineer Class 1, Engineer Class 2 or Engineer Watchkeeper of the other kind) at least 16 weeks was on a vessel using propulsion of the kind to which the certificate relates; and
 - (ii) documented in an approved Training Record Book; and
 - (c) the engineer training program short courses; and
 - (d) holding a certificate of proficiency in survival craft and rescue boats other than fast rescue boats (that complies with STCW Code section A-VI/2 paragraphs 1 to 4); and
 - (e) holding a certificate of medical fitness; and
 - (f) passing a final assessment

A **trainee engineer program** consists of:

- (a) an approved training course that:
 - (i) complies with STCW Code section A-III/1; and
 - (ii) either:
 - (A) if the person holds a workshop skills equivalent qualification — does not include a program of workshop skills training; or
 - (B) if the person holds a qualification that is not workshop skills equivalent — includes a program of workshop skills training, as determined by the seafarer training organisation providing the course taking into account any relevant education, skills or practical experience of the person, in the following competencies mentioned in STCW Code Table A-III/1 column 1:
 - (I) maintenance and repair of electrical and electronic equipment;
 - (II) use of appropriate hand tools, machine tools and measuring instruments for fabrication and repair on

Grade of certificate**Eligibility requirements**

board;

(III) maintenance and repair of shipboard machinery and equipment; and

(b) qualifying seagoing service that is:

(i) of at least 36 weeks on vessels ≥ 750 kW propulsion power, under the supervision of an engineer officer, of which (except for the holder of a certificate as Engineer Class 1, Engineer Class 2 or Engineer Watchkeeper of the other kind) at least 16 weeks was on a vessel using propulsion of the kind to which the certificate relates; and

(ii) documented in an approved Training Record Book; and

(c) the engineer training program short courses; and

(d) holding a certificate of proficiency in survival craft and rescue boats other than fast rescue boats (that complies with STCW Code section A-VI/2 paragraphs 1 to 4); and

(e) holding a certificate of medical fitness; and

(f) passing a final assessment

An **engineering experience training program**, for a person with a State unrestricted Engineer Class 3 certificate of competency or an Engineer Class 3 NC certificate of competency, consists of:

(a) an approved training course that:

(i) complies with STCW Code section A-III/1; and

(ii) includes a program of workshop skills training, as determined by the seafarer training organisation providing the course taking into account any relevant education, skills or practical experience of the person, in the following competencies specified in STCW Code Table A-III/1 column 1:

(A) maintenance and repair of electrical and electronic equipment;

(B) use of appropriate hand tools, machine tools and measuring instruments for fabrication and repair on board;

(C) maintenance and repair of shipboard machinery and equipment; and

(b) qualifying seagoing service that is:

(i) of at least 26 weeks while holding a State unrestricted Engineer Class 3 certificate of competency or an Engineer Class 3 NC certificate of competency on vessels ≥ 750 kW propulsion power, of which (except for the holder of a certificate as Engineer Class 1, Engineer Class 2 or Engineer Watchkeeper of the other kind) at least 16 weeks was on a vessel using propulsion of the kind to which the certificate relates; and

Grade of certificate**Eligibility requirements**

- (ii) documented in an approved Training Record Book; and
- (c) the engineer training program short courses; and
- (d) holding a certificate of proficiency in survival craft and rescue boats other than fast rescue boats (that complies with STCW Code section A-VI/2 paragraphs 1 to 4); and
- (e) holding a certificate of medical fitness and
- (f) passing a final assessment

For endorsement as Second Engineer (<3000 kW), the holder of the certificate must:

- (a) have at least 12 months documented qualifying seagoing service in vessels ≥ 750 kW propulsion power; and
- (b) have completed training in engineering management (that complies with STCW Code section A-III/3)

For endorsement as Chief Engineer Near-coastal (<3000 kW), the holder of the certificate must:

- (a) have at least 24 months qualifying seagoing service on vessels ≥ 375 kW propulsion power of which at least 12 months was while holding a Marine Engine Driver Grade 1 NC certificate of competency or an unrestricted Marine Engine Driver Grade 1 certificate of competency issued by a State before 1 July 2013; and
- (b) have completed training in engineering management (that complies with STCW Code section A-III/3)

Engineer Class 2

Person must:

- (a) hold or have held any of the following certificates:
 - (i) an Engineer Watchkeeper certificate of competency;
 - (ii) any other certificate AMSA considers to be at least equivalent to an Engineer Watchkeeper certificate of competency;
 - (iii) an Engineer Class 3 NC of competency;
 - (iv) an unrestricted Engineer Class 3 certificate of competency issued by a State before 1 July 2013; and
- (b) have completed the following documented qualifying seagoing service:
 - (i) if holding a certificate mentioned in subparagraph (a)(i) or (ii) — at least 12 months qualifying seagoing service on vessels ≥ 750 kW propulsion power while holding an Engineer Watchkeeper certificate or its equivalent of which at least 9 months was on vessels using propulsion of the kind to which the certificate relates; or
 - (ii) if holding only a certificate mentioned in subparagraph (a)(iii) or (iv) — at least 24 months qualifying

Grade of certificate	Eligibility requirements
Engineer Class 1	<p>seagoing service on vessels ≥ 750 kW propulsion power while holding the certificate of competency, of which at least 9 months was on vessels using propulsion of the kind to which the certificate relates; and</p> <p>(c) have completed an approved program of study appropriate for the certificate that meets the standards specified in STCW Code sections A-III/1 and A-III/2 and includes the following:</p> <p>(i) training in advanced fire fighting (that complies with STCW Code A-VI/3);</p> <p>(ii) training in medical first aid (that complies with STCW Code section A-VI/4 paragraphs 1 to 3);</p> <p>(iii) security awareness training (that complies with STCW Code section A-VI/6 paragraph 4); and</p> <p>(d) if holding only the certificate mentioned in subparagraph (a)(iii) or (a)(iv) — have completed the engineering training program short courses; and</p> <p>(e) hold a certificate of proficiency in survival craft and rescue boats other than fast rescue boats (that complies with STCW Code section A-VI/2 paragraphs 1 to 4); and</p> <p>(f) hold a certificate of medical fitness; and</p> <p>(g) have passed a final assessment</p> <p>Person must:</p> <p>(a) hold or have held any of the following certificates:</p> <p>(i) an Engineer Class 2 certificate;</p> <p>(ii) any other certificate AMSA considers to be at least equivalent to an Engineer Class 2 certificate; and</p> <p>(b) have completed the following documented qualifying seagoing service:</p> <p>(i) qualifying seagoing service that is:</p> <p>(A) at least 36 months in charge of an engine room watch on vessels ≥ 750 kW propulsion power while holding either an Engineer Watchkeeper or Engineer Class 2 certificate of competency, of which at least 12 months was served on vessels ≥ 3000 kW using propulsion of the kind to which the certificate relates; and</p> <p>(B) at least 12 months while holding a certificate of competency as Engineer Class 2; or</p> <p>(ii) at least 24 months in charge of an engine room watch on vessels ≥ 750 kW propulsion power of which at least 12 months was served as first engineer on vessels ≥ 3000 kW propulsion power using propulsion of the kind to which the certificate relates while holding an Engineer Class 2</p>

Grade of certificate	Eligibility requirements
	<p data-bbox="564 333 938 365">certificate of competency; or</p> <ul style="list-style-type: none"><li data-bbox="517 378 1369 703">(iii) at least 42 months in charge of an engine room watch on vessels ≥ 750 kW propulsion power of which at least 18 months was served on vessels ≥ 3000 kW propulsion power using propulsion of the kind to which the certificate relates while holding an Engineer Class 2 certificate of competency and at least 24 months was served while holding an Engineer Class 3 NC certificate of competency or an unrestricted Engineer Class 3 certificate of competency issued by a State before 1 July 2013; and<li data-bbox="497 719 1353 819">(c) have completed an approved program of study appropriate for the certificate that meets the standards specified in STCW Code sections A-III/1 and A-III/2 and includes the following:<ul style="list-style-type: none"><li data-bbox="536 835 1315 866">(i) training in advanced fire fighting (STCW Code A-VI/3);<li data-bbox="528 882 1222 949">(ii) training in medical first aid (STCW Code A-VI/4 paragraphs 1 to 3);<li data-bbox="517 965 1366 1032">(iii) security awareness training (that complies with STCW Code section A-VI/6 paragraph 4); and<li data-bbox="497 1048 1362 1149">(d) hold a certificate of proficiency in survival craft and rescue boats other than fast rescue boats (STCW Code section A-VI/2 paragraphs 1 to 4); and<li data-bbox="497 1164 1066 1196">(e) hold a certificate of medical fitness; and<li data-bbox="497 1211 948 1243">(f) have passed a final assessment

Schedule 3 Qualifying seagoing service requirements for certificates

(section 10)

- 3.1 Service must have been performed as an engineer, trainee engineer or engineer cadet, or in an equivalent capacity regularly engaged in engine-room watchkeeping, which may include service on call in periodically unattended machinery spaces on vessels with a propulsion power of ≥ 750 kW.
- 3.2 Qualifying seagoing service is calculated as follows:
- (a) if the machinery is in use or immediately available for use for at least 8 hours in a 24 hour period and the person is on duty or on call for that period, the sea service is taken to be served as a whole day; and
 - (b) if the machinery is in use or immediately available for use for less than 8 hours in a 24 hour period and the seafarer is on duty or on call for that period, the sea service is taken to be the actual period the machinery is in use or available for use plus 25% of that time.
- 3.3 For clause 3.2, seagoing service calculated to be at least 8 hours in any 24 hour period is taken to be served as a whole day and no more than a whole day.
- 3.4 Qualifying seagoing service that forms part of eligibility requirements and is served on an offshore industry mobile unit that is not self propelled, on a dredge that is not capable of self propulsion while conducting dredging operations or on auxiliary machinery run independently of the main propulsion machinery is subject to the following restrictions:
- (a) for an Engineer Watchkeeper certificate of competency, the maximum amount of seagoing service that can be credited is 20 weeks;
 - (b) for an Engineer Class 2 certificate of competency, the maximum amount of seagoing service that can be credited is 6 months;
 - (c) for an Engineer Class 1 certificate of competency, the maximum amount of seagoing service that can be credited is 12 months.
- 3.5 The restrictions mentioned in clause 3.4 do not apply to qualifying seagoing service requirements for revalidation of a seafarer certificate.
- Note* For qualifying seagoing service requirements for revalidation of a certificate — see Schedule 4.
- 3.6 In this clause:
- machinery*** means:
- (a) propulsion machinery on propelled vessels; or
 - (b) generator prime movers and drilling prime movers on:
 - (i) off shore industry mobile units that are not self propelled; or
 - (ii) floating production, storage or off-take facilities; or
 - (iii) facilities similar to those mentioned in subparagraphs (i) and (ii); or
 - (c) dredging machinery, including dredging machinery contained in machinery spaces on board the dredge but not including portable dredging equipment such as a backhoe.

Schedule 4 Requirements for revalidation of certificates

(paragraphs 11(1)(b) and (2)(b))

- 4.1 The person must have at least 1 of the following:
- (a) documented qualifying seagoing service on vessels with auxiliary machinery or a propulsion power ≥ 750 kW of any kind calculated in the same way as required for the issue of the certificate to be revalidated, of:
 - (i) 12 months in the 5 years before the application for revalidation; or
 - (ii) 3 months in the 6 months before the application for revalidation;
 - (b) completed, within the 12 months before the date of applying for revalidation of the certificate, an approved revalidation course appropriate for the grade of certificate to be revalidated;
 - (c) performed duties and completed approved courses appropriate for the grade of certificate to be revalidated that together AMSA considers at least equivalent to the service mentioned in paragraph (a);
 - (d) within the 12 months before the date of applying for revalidation of the certificate:
 - (i) completed approved short courses appropriate for the grade of certificate; and
 - (ii) have passed a final assessment.
- 4.2 The person must also hold a certificate of medical fitness.
- 4.3 The person must also have maintained the STCW Code required standard of competence in:
- (a) proficiency in survival craft and rescue boats other than fast rescue boats (as specified in STCW Code Table A-VI/2-1); and
 - (b) advanced fire fighting (as specified in STCW Code Table A-VI/3); and
 - (c) security awareness training (that complies with STCW Code Table A-VI/6-1).

Note

1. All legislative instruments and compilations are registered on the Federal Register of Legislative Instruments kept under the *Legislative Instruments Act 2003*. See <http://www.frli.gov.au>.