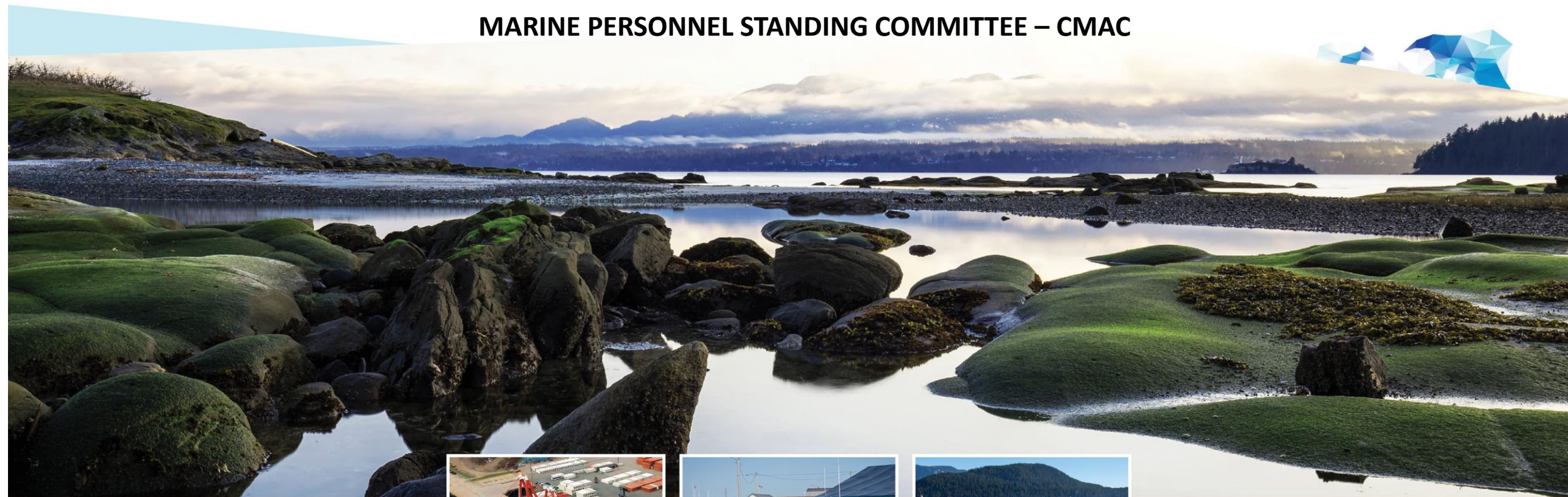


MARINE SAFETY and SECURITY SÉCURITÉ et SÛRETÉ MARITIMES

MARINE PERSONNEL STANDING COMMITTEE – CMAC



April 16, 2019

RDIMS: 15158987

WHAT'S NEW SINCE LAST CMAC?

- Fall 2018 Consultations
- Review of Comments/Submissions Received
- Update on Various Projects



SHIP SAFETY BULLETINS

- Ship Safety Bulletin # – External verification portal
- Ship Safety Bulletin # – Guidelines on Fatigue



MPR PROJECT STATUS AND TIMELINES

- Drafting of the regulations is ongoing
- Targeting completion of drafting by summer of 2019
- Aiming to publish in *Canada Gazette*, Part I, late fall 2019



TP 2293

- TP 2293 will continue to be a document incorporated into the regulations which can be amended from time-to-time.
- The document is being rewritten to specify the competencies, knowledge, skills and understanding for each qualification listed in the applicable tables in MPR Part 1.
- The syllabuses will be incorporated into a new document to be called *Guidelines for Training and Examinations*.



DECK CERTIFICATION – WHAT’S NEW?



DECK CERTIFICATION

- Evaluation of foreign seafarers for direct entry process
- Training Standards for Personnel onboard passenger-carrying vessels (TP 13024)
- Recognized Training Providers (TP 10655)



ENGINEERING CERTIFICATION – WHAT’S NEW?



ENGINEERING CERTIFICATES - EXCHANGE

Current Certificate of Competency	Requirements for exchange	Certificate required under current MPR	Corresponding Certificate	Limitation
1st Class-Engineer Motor Ship (III/2)	None	N/A	Chief engineer (STCW)	Motor vessel limited to 1 000 v
1st Class-Engineer Steam Ship (III/2)	None	N/A	Chief engineer (STCW)	Steam vessel limited to 1 000 v
2nd Class-Engineer Motor Ship (III/2)	None	N/A	Second engineer (STCW)	Motor vessel limited to 1 000 v
2nd Class-Engineer Steam ship (III/2)	None	N/A	Second engineer (STCW)	Steam vessel limited to 1 000 v
3rd Class-Engineer Motor Ship (III/3)	None	N/A	EOOW and Second engineer < 3 000 kW (STCW)	Motor vessel limited to 1 000 v
3rd Class-Engineer Steam Ship (III/3)	None	N/A	EOOW and Second engineer < 3 000 kW (STCW)	Steam vessel limited to 1 000 v
3rd Class-Engineer Motor Ship (III/1)	Note 1	N/A	EOOW and Second engineer < 3 000 kw (STCW)	Motor vessel limited to 1 000 v
3rd Class-Engineer Steam Ship (III/1)	Note 1	N/A	EOOW and Second engineer < 3 000 kW (STCW)	Motor vessel limited to 1 000 v
3rd Class-Engineer Motor Ship (III/1)	None	N/A	EOOW (STCW)	Motor vessel limited to 1 000 v
3rd Class-Engineer Steam Ship (III/1)	None	N/A	EOOW (STCW)	Steam vessel limited to 1 000 v
4th Class-Engineer Motor Ship (III/1)	None	N/A	EOOW (STCW)	Motor vessel limited to 1 000 v
4th Class-Engineer Motor Ship (III/1)	None	N/A	EOOW (STCW)	Steam vessel limited to 1 000 v
4th Class-Engineer Motor Ship Domestic	Note 2	N/A	EOOW (STCW)	Motor vessel limited to 1 000 v
4th Class-Engineer Steam Ship Domestic	Note 2	N/A	EOOW (STCW)	Steam vessel limited to 1 000 v
4th Class-Engineer Motor Ship Domestic	None	N/A	EOOW Domestic	Motor vessel limited to 1 000 v
Watchkeeping Engineer, Motor-driven Fishing Vessel	None	N/A	Watchkeeping Engineer, Motor-driven Fishing Vessel	Motor vessel limited to 1 000 v

Note 1: Must meet the requirements of section 146 of the current *Marine Personnel Regulations SOR/2007-115* and the Ship Safety Bulletin 09/2017.

Note 2: Must meet the requirements of section 147 of the current *Marine Personnel Regulations SOR/2007-115* and the Ship Safety Bulletin 09/2017.



ENGINEERING CERTIFICATES - EXCHANGE

Current Certificate of Competency	Requirements for exchange	Certificate under current MPR	Corresponding certificate	Limitation
Chief Engineer Endorsement Motor Ship < 2 000 kW	Aucune	3 rd class Motor (III/3)	EOOW and Chief Engineer < 3 000 kW (STCW)	Motor vessel limited to 1 000 v
Chief Engineer Endorsement Steam Ship < 2 000 kW	Aucune	3 rd class Steam (III/3)	EOOW and Chief Engineer < 3 000 kW (STCW)	Steam vessel limited to 1 000 v
Second Engineer Endorsement Motor Ship < 2 000 kW	Aucune	4 th Class Motor (III/1)	EOOW and Second Engineer < 3 000 kW (STCW)	Motor vessel limited to 1 000 v
Second Engineer Endorsement Steam Ship < 2 000 kW	Aucune	4 th Class Steam (III/1)	EOOW and Second Engineer < 3 000 kW (STCW)	Steam vessel limited to 1 000 v
Engine Room Rating	Aucune	N/A	Engine Room Rating	None

We are evaluating the possibility for a candidate who has successfully completed at least one examination towards a certificate, under the *Marine Personnel Regulations SOR / 2007-115*, to benefit from a transitional period of 2 years to complete their certificate.



DIFFERENCES IN TRAINING AT THE SUPPORT LEVEL

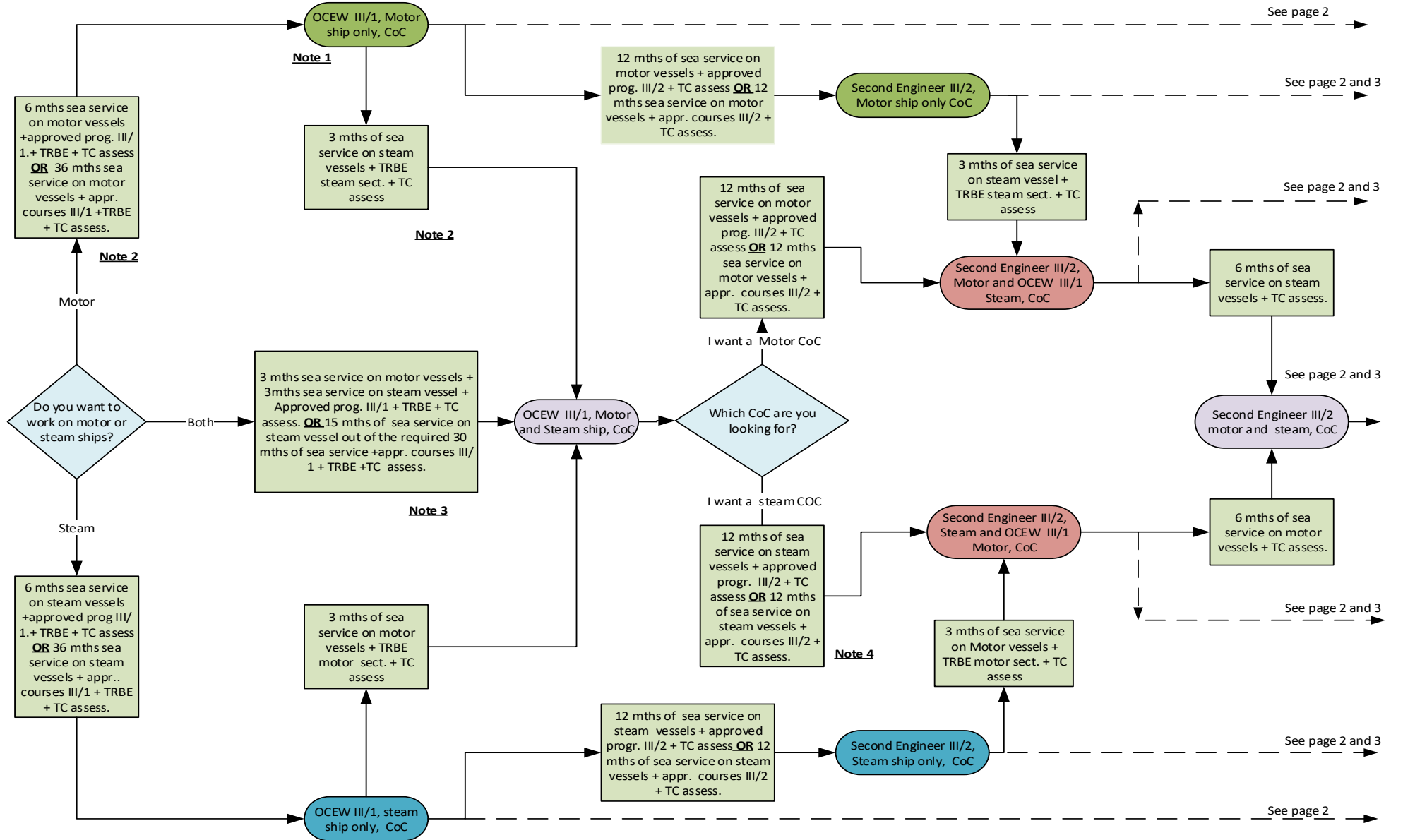
Engine Room Rating STCW 1995	Engine Room Rating STCW 2010	Able Seafarer, Engine STCW 2010
Marine engineering. TP 10933 (240 hrs)	Marine engineering . (64 hrs)	Marine engineering (152 hrs)
		Electrical, electronic and control engineering. (67 hrs)
		Maintenance and repair. (288 hrs)
		Controlling the operation of the ship and care for persons on board. (60 hrs)

Objective: The able seafarer, engine, to receive exemptions towards the officer in charge of an engineering watch in a manned engine-room / designated duty engineer officer in a periodically unmanned engine-room certificate.



Engineering Certification Flowchart - 1

ENGINEERING CERTIFICATION FLOW CHART



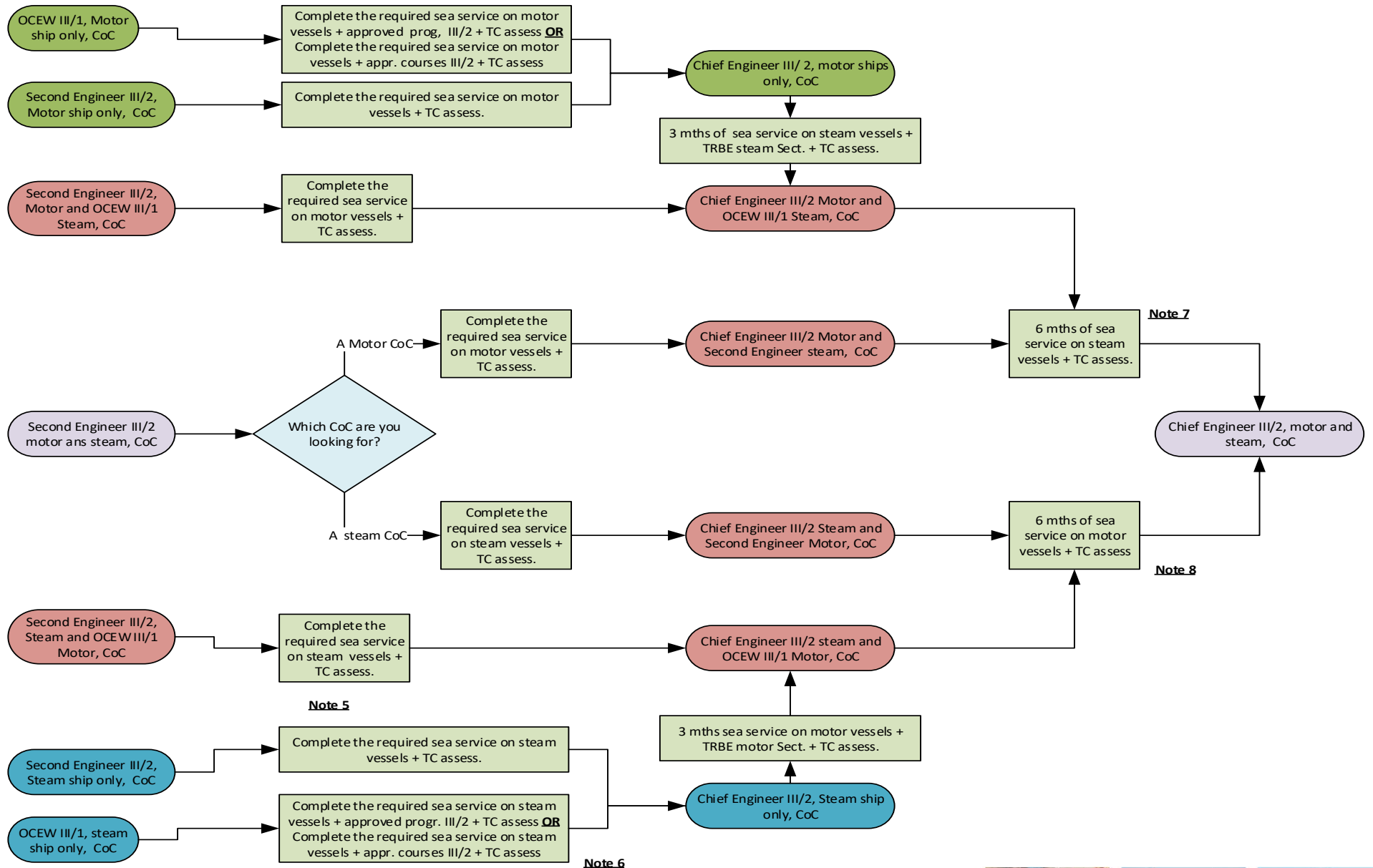
• Information notes at page 3



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Engineering Certification Flowchart - 2

ENGINEERING CERTIFICATION FLOW CHART

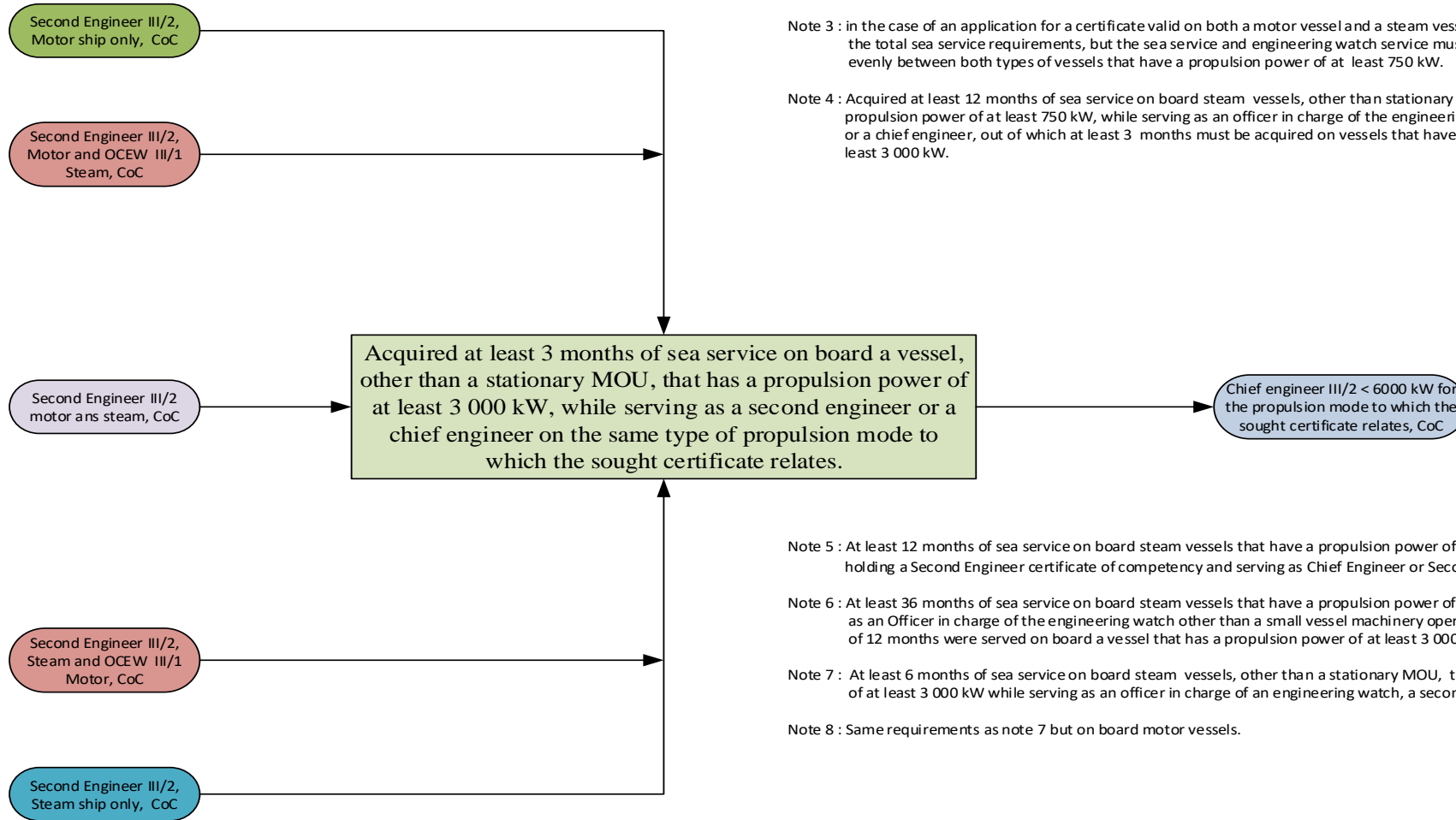


• Information notes at page 3



Engineering Certification Flowchart - 3

ENGINEERING CERTIFICATION FLOW CHART



Note 1 : Officer in Charge of an Engineering Watch – OCEW.

Note 2 : Training Record Book for Engineer Officer – TRBE

Note 3 : in the case of an application for a certificate valid on both a motor vessel and a steam vessel, the applicant must meet the total sea service requirements, but the sea service and engineering watch service must be divided evenly between both types of vessels that have a propulsion power of at least 750 kW.

Note 4 : Acquired at least 12 months of sea service on board steam vessels, other than stationary MOUs, that have a propulsion power of at least 750 kW, while serving as an officer in charge of the engineering watch, a second engineer or a chief engineer, out of which at least 3 months must be acquired on vessels that have a propulsion power of at least 3 000 kW.

Note 5 : At least 12 months of sea service on board steam vessels that have a propulsion power of at least 3 000 kW, while holding a Second Engineer certificate of competency and serving as Chief Engineer or Second Engineer.

Note 6 : At least 36 months of sea service on board steam vessels that have a propulsion power of at least 750 kW, while serving as an Officer in charge of the engineering watch other than a small vessel machinery operator, out of which a minimum of 12 months were served on board a vessel that has a propulsion power of at least 3 000 kW.

Note 7 : At least 6 months of sea service on board steam vessels, other than a stationary MOU, that have a propulsion power of at least 3 000 kW while serving as an officer in charge of an engineering watch, a second engineer or a chief engineer.

Note 8 : Same requirements as note 7 but on board motor vessels.



SMALL VESSEL MACHINERY OPERATOR

- The obligation to employ a small vessel machinery operator, with or without restriction, aboard a passenger vessel of a propulsion power of less than 750 kW has been abolished and thus the certificate of competency as small machinery operator with restrictions.
- The qualifying service required for the small vessel machinery operator certificate will be 2 months, aboard a vessel of a propulsion power of 750 kW, performing functions related to the operation of the propulsion machinery under the supervision of an engineer officer or qualified SVMO; and not 3 months as provided in the November 2018 consultation document.
- The employment of a small vessel machinery operator on a passenger vessel whose voyage is Near Coastal , Class 2, Limited or Sheltered Waters Voyage for less than six hours shall be limited to vessel with a propulsion power of 750 kW to 1,499 kW and not up to 1,999 kW as provided for in the November 2018 consultation document.
- The conditions of application are being reviewed and will include, but are not limited to, the following update;
 - a. A list of procedures and verifications at the vessel start up and before departure, during the vessel operation and the end of the vessel operation which must be carried out by the small vessel machinery operator.



SMALL VESSEL MACHINERY OPERATOR

- New limitations on the employment of a small vessel machinery operator will be incorporated, including but not limited to;
 - a. Vessels using intermediate fuels (blended fuel), gas or low-flashpoint fuels.
 - b. Vessels equipped with an electrical distribution system having a voltage greater than 1,000 volts C.A. or 1,500 volts C.C.
 - c. Vessels equipped with a highly evolved or sophisticated electrical distribution system without a power management system.
 - d. Vessels equipped with a boiler producing steam or a steam generator.
- The skills, abilities, understanding and knowledge leading to the qualification for general engineering knowledge of small vessel machinery will be determined in TP 2293.
- The written examination and the oral examination for the certificate of small vessel machinery operator are being maintained.
- Sea service as a small vessel machinery operator cannot be used for the engine room rating certificate and the able seafarer, engine certificate. *"The seagoing service, training and experience shall be associated with engine-room watchkeeping functions and involve the performance of duties carried out under the direct supervision of a qualified engineer officer or a qualified rating. "*
- 12 months of sea service as a small vessel machinery operator may be used for the certificate of officer in charge of an engineering watch in a manned engine-room / designated duty engineer officer in a periodically unmanned engine-room.



COMPUTATION OF SEA SERVICE

- Sea service means a period of qualifying service spent by a person employed on board a vessel and includes service while the vessel is in port, loading or unloading, at anchor, in refit or in dry-dock, if that service forms part of a voyage.
- Sea service shall be calculated on the basis of any amount of service in one calendar day equalling one day of service.
- In calculating the number of months of qualifying service, the total number of days of credited sea service shall be divided by 30.
- Refit and dry-dock periods not forming part of a voyage will be credited to a maximum of 1/12 of the total number of days of sea service required to obtain a certificate of competency.



QUESTIONS

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