

Assessing Norwegian Maritime Cadets

Compliance with Laws and Regulations for Competence Evaluation

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Research question

 1. According to current laws, how should • 2. Are the assessments conducted assessments be conducted? accordingly? Exam Assessment NMA Seagoing COC, Cadet COC MET Time service Unlimited DNV NOKUT







APPROVED





ANSWERED

Overview

Cadet book

Overview

Navigation at the operational level

Cargo handling and stowage at the operational level

Controlling the operation of the ship and care for persons onboard at the

aparational laval

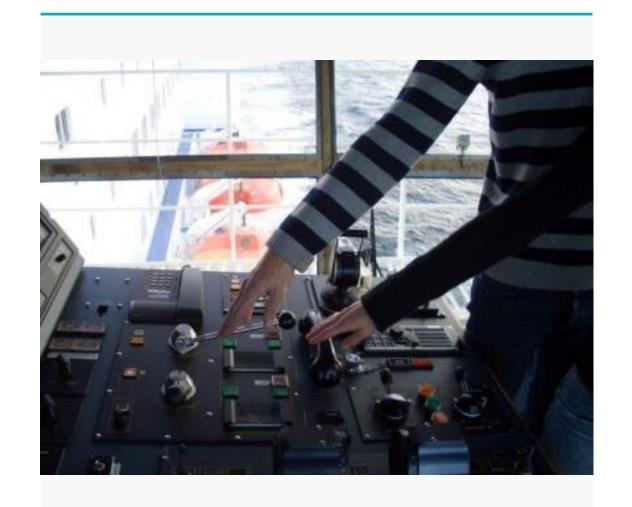
Cadet book overview

Cadetbook	0%	100%	100%
Navigation at the operational level			^
Plan and conduct a passage and determine pas	tained for shipborne meteorolog	gical instruments o	on board
Apply the meteorological information available			

ASSESSMENTS

Method

- Access to MarOpp database Webcadet
 - 1733 cadets (2020-2022)
- No access to personal data
- No ethics application needed
- SurveyXact
 - 12.04.2023 to 05.05.2023
 - One reminder 28.04.2023
- 453 responses
 - 24 discarded, incomplete





STCW Table A-II/1

Table A-II/1

Specification of minimum standard of competence for officers in charge of a navigational watch on ships of 500 gross tonnage or more

Function: Navigation at the operational level

Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
Plan and conduct a passage and determine position	Ability to use celestial bodies to determine the ship's position Terrestrial and coastal navigation Ability to determine the ship's position by use of: .1 landmarks .2 aids to navigation, including lighthouses, beacons and buoys .3 dead reckoning, taking into account winds, tides, currents and estimated speed	Examination and assessment of evidence obtained from one or more of the following: .1 approved inservice experience .2 approved training ship experience .3 approved simulator training, where appropriate .4 approved laboratory equipment training	The information obtained from nautical charts and publications is relevant, interpreted correctly and properly applied. All potential navigational hazards are accurately identified The primary method of fixing the ship's position is the most appropriate to the prevailing circumstances and conditions The position is determined within the limits of acceptable instrument/system errors

How should assessments be conducted?

- Plan and conduct a passage and determine position (example of competence)
- Who decides?
 - IMO
 - STCW
 - NMA
 - Maropp
 - Company / Employer
 - Assessor

Criteria for evaluating competence

"The information obtained from nautical charts and publications is relevant, interpreted correctly and properly applied. All potential navigational hazards are accurately identified" (STCW Table A-II/1) (example)



STCW, minimum requirements

"The information obtained from nautical charts and publications is relevant, interpreted correctly and properly applied. All potential navigational hazards are accurately identified" (STCW Table A-II/1)

No mention of assessment method

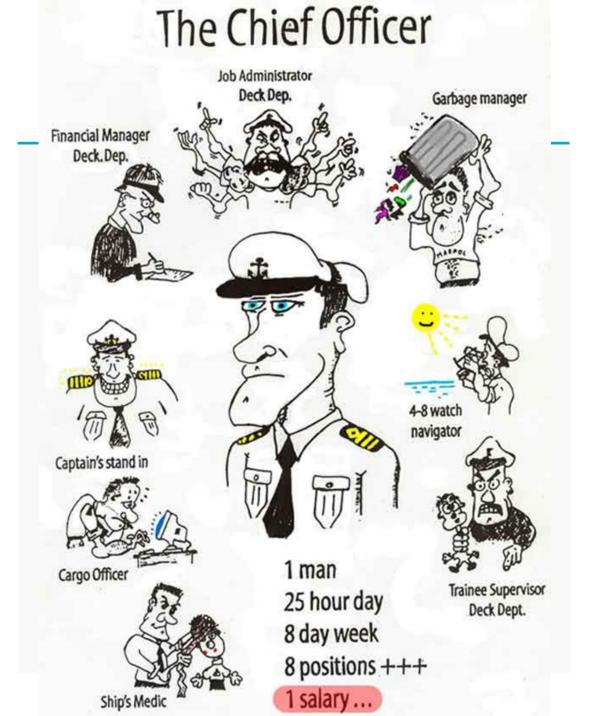
Webcadet

- Necessary to spend time together
- Some require practical assessment
- Some can be assessed verbally, for example online.



Assumption

- Assessors available time
 - 282 tasks
 - 2 hours every day
 - 15 minutes a task
 - 35 days





Results

Was the assessor permanent crew onboard?
 (asked all 1733 - 453 answers, 26%)

Yes	359	79 %
No	94	21 %
Total	453	100 %

Have you sailed with the assessor?
 (asked all 'assessor was not permanent crew')

Yes	38	40 %
No	56	60 %
Total	94	100 %

Not sailed with assessor

- 56 of all participants (12,3%)
- Assumed total 213 cadets (generalised to all Webcadet users)
- 1600 ships



Results

 How long did you sail with your assessor? (asked all 'assessor was not permanent crew')

Under 5 weeks	20	74.0/
WEEKS	28	74 %
Over 5 uker	10	26 %
Total	38	100 %

- 28 participants spent less than 5 weeks with the assessor.
- 103 of 1733 (generalised to all Webcadet users)
- Carefully assume 84 cadets did not spend "enough time" with assessor
 - (none or less than 5 weeks)



Results

- Number of assessments?
- "It was only reviewed by the assessor at the office. I got the impression that neither the assessor nor the training center thoroughly went through what was written."
- "I spoke with the assessor over the phone about completing the cadet tasks and how it had gone. The book was signed by the assessor at the office."

No assessment	54	12 %
1 to 5	272	60 %
6 to 10	70	15 %
11 to 15	19	4 %
16 to 20	12	3 %
21 to 25	5	1 %
26 to 30	3	1 %
Over 30	18	4 %
Total	453	100 %



Summary

- How should assessments be conducted?
- Are they conducted accordingly?
- There is uncertainty regarding the competence of 18% of certificate holders in Norway.
- A certificate of competency (CoC) grants the holder authority to serve as a responsible watchkeeping officer on board a vessel, irrespective of its size and operating area.
- In other words, individuals with a CoC may be authorized to serve as a deck officer or captain on the world's largest ships, navigating them across all international waters.





Thank you

