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Marja van Pietersom

**Maritime Institute for Technology and Graduate Studies –
Pacific Maritime Institute**

THE LEADERS IN MARITIME TRAINING

USCG / STCW TRAINING



Unlicensed Endorsements (updating)

- Able Seafarer-Deck endorsement on MMC
- Able Seafarer-Engine endorsement on MMC
Unlicensed members of the engine department sailing as QMED will need an “Able Seafarer – Engine” endorsement.

Deck and Engine: no additional training requirements

Change to be completed by December 31, 2016.



Operational Level (updating)

Officer in Charge of a Navigational Watch (OICNW)

- ECDIS to sail on vessels so equipped.
- 8-hour Leadership and Teamworking Skills

Officer in Charge of an Engineering Watch (OICEW)

- Engine Room Resource Management
- 8-hour Leadership and Teamworking Skills

Training to be completed by December 31, 2016 to retain STCW



Management level (updating)

Chief Mate and Master

- ECDIS (Electronic Chart Display and Information Systems) to sail on vessels so equipped.
- Leadership and Managerial Skills.

Second Engineer and Chief Engineer

- Engine Room Resource Management Course (ERM) (if not completed at the operational level).
- Leadership and Managerial Skills.
- Management of Electrical and Electronic Control Equipment.

Training to be completed by December 31, 2016 to retain STCW

Operational Level (upgrading)

Required Training after December 31, 2016

- Medical First Aid Provider
- Cargo Handling and Stowage
- Radar
- Ship Handling
- Search and Rescue
- Stability and Ship Construction
- Visual Signaling
- Meteorology
- Bridge Resource Management (BRM)
- Terrestrial and Celestial Navigation
- Proficiency in Survival Craft and Rescue Boats
- Electronic Navigation Systems
- Basic and Advanced Firefighting
- Watchkeeping 'Colregs'
- Leadership and Teamworking Skills

(ARPA, GMDSS, ECDIS if so equipped).

Management Level (upgrading)

Required Training if upgrading after December 31, 2016:

- Advanced Shiphandling
- Management of Medical Care
- Advanced Stability
- Leadership and Management Skills
(if not already completed)
- Advanced Meteorology
- Search and Rescue

ARPA, ECDIS, GMDSS

(if not completed at OICNW level and if vessel is so equipped)

Basic Training and Medical Certificates

NMC uses the term “revalidation course” for mariners that have the appropriate sea service, and “refresher course” when mariner does not have the one year of sea service in the last five years.

- Basic Training Refresher – 3 day
- Basic Training Revalidation – 2 days

Medical Certificate expiration:

- STCW – 2 years
- National – 5 years



Vessel Security

- Vessel Security Officers (VSO) and other crewmembers that have specific security duties and all other crew must have security awareness endorsements.

The three endorsements:

- VSO - Vessel Security Officer
- VPDSD - Vessel Personnel with Designated Security Duties
- SA - Security Awareness



Limits of the Mariner Licensing System

(managing Risk and Safety)

- Mandated education and Training subjects are not required to be taught in a logical learning sequence
- Many assessments are allowed to be conducted without an education, training components or controlled testing environment
- Sea experiences vary greatly between vessels and service
- Mariner final 'competence' determination is through a series of multiple choice exam

The USCG licensing system relies heavily on sea service for the mariner to develop and apply higher competency skill sets such as bridge watchstanding.

What is NSAP®

The Navigation Skills Assessment Program (NSAP®) is a risk based measurement tool to assess a mariner's performance focused specifically on the required core skills of licensed deck officers, as defined by international standards and industry best practices.



National Center for Research
on Evaluation, Standards, & Student Testing

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NSAP® Sessions

Each NSAP® session uses realistic scenario based exercises geared towards a Company's type of operation, and assessed by trained and qualified subject matter experts.



Primary Goal of NSAP®

Objectively Assess
Navigation Skills On
the Bridge to Ensure
Operational Safety
and Continual
Improvement



Key Objectives of NSAP®

- Verify Compliance
- Assess Risk to Reduce Opportunity for Incident
- Evaluate Strengths
- Career Progression Tool
- Focus on Human Element
- Criteria Custom to Operating Area



A Risk Mitigation Tool

ISM Code and ISO 9001:2015 Risk Management Requirements

Competency Management Objectives & Targets

Guidance for Planning and Training Budgets

Talent Management

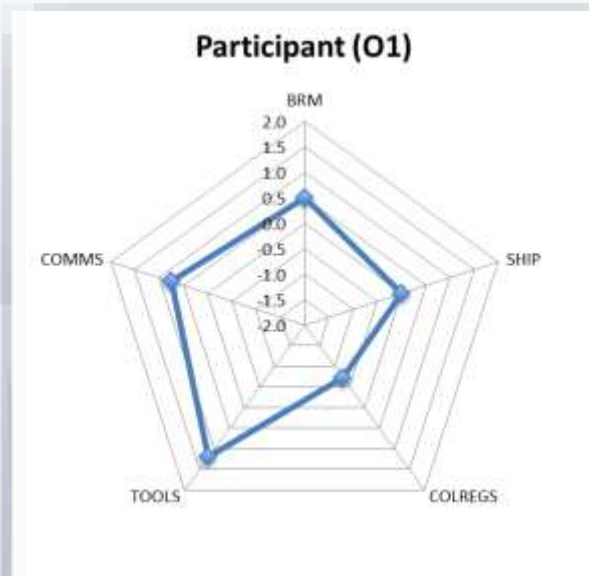
Compliance and USCG / STCW Training Requirements



Objective Assessments

NSAP®	Scope
Ocean	Managerial Deck Officers
Ocean OP	Operational Deck Officers
River	Coastwise/River Officers
Workboat	Workboat Officers
Pilot	Pilot Candidate

Standardized
Objective Performance Measurement
Repeatable for Continual Improvement



Criteria
BRM
SHIP
COLREGS
TOOLS
COMMS

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NSAP[®] Insights

Where and When complacency is occurring

Average score by education or education type for planning purposes

Percentage of mariners, on average, that will need some form of remedial training

Watchkeeping risk identification and remedial actions

Quality assurance of Company training

Where the risk factors lie with over-reliance on ECDIS

(On average, we have seen a 20% increase in scoring on the re-assessment after remedial training has been provided.)

Client Testimonial

“The NSAP[®] provided a valuable tool to identify opportunities for improvement on both an individual and fleet-wide basis. It brought broad issues to the surface quickly like overreliance on ECDIS and lack of effective COLREGS application.

Of further note, is a definite cultural shift after the officers went through the NSAP[®] process: Captains were taking lessons learned back to their vessels to raise the level of watchstanding by mates.”

Captain Scott Craig, Director, Marine Development and Compliance,
Crowley Marine Services

Maritime Apprenticeship Programs

2 year Deck Apprenticeship Program since 2006
(cadets on Thomas G. Thompson, Revelle and Melville)

Under development Engine Apprenticeship Program (wiper
to third assistant engineer)

Projected start-up date Fall 2017.

At NMC for approval Third Mate Unlimited Apprenticeship
Program



Thank you UNOLS, Guests and Participants

For more information:

www.mitags-pmi.org

www.workboatacademy.com

mvpietersom@mitags-pmi.org

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