

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-1A

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: *Radar Navigation* -- Ability to operate and to interpret and analyze information obtained from radar, including: Performance -- setting up and maintaining displays

TASK: Set up and maintain radar display

PERFORMANCE CONDITION: On an operational radar or radar simulator that meets the standards of 33 CFR 164.38 and other applicable national and international performance standards

PERFORMANCE BEHAVIOR: Set up and maintain the radar display.

PERFORMANCE STANDARD:

Within three minutes, after the power was turned on:

1. The set was switched from standby to transmit;
2. The appropriate scale was selected;
3. The gain control was adjusted so that targets and sea return appeared;
4. The tune control was adjusted (if the unit was not self tuning);
5. The brilliance control was adjusted;
6. The sea clutter and rain clutter controls were adjusted to suppress the rain and sea clutter without losing targets; and
7. The north-up stabilized relative motion was selected.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | |
| Position | Vessel or Training Course | |

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-1B

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: *Radar Navigation* -- Ability to operate and to interpret and analyze information obtained from radar, including: Performance -- setting up and maintaining displays

TASK: Switch display modes

PERFORMANCE CONDITION: On an operational radar or radar simulator that meets the standards of 33 CFR 164.38 and other applicable national and international performance standards

PERFORMANCE BEHAVIOR: Switch the display from north-up stabilized relative motion to true motion to head up, and state how to recognize the mode displayed.

PERFORMANCE STANDARD:

Within 15 seconds:

1. The display was switched from north-up stabilized relative motion to true motion;
2. The display was switched from true motion to head up; and,
3. The candidate pointed to the location on the display of the information that indicates the mode displayed.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | |
| Position | Vessel or Training Course | |

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-1C

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: *Radar Navigation* -- Ability to operate and to interpret and analyze information obtained from radar, including: Performance -- detection of misrepresentation of information, false echoes, sea return, etc., racons and SARTs

TASK: Identify false echoes, sea return, racons and SARTs

PERFORMANCE CONDITION: On an operational radar or radar simulator that meets the standards of 33 CFR 164.38 and other applicable national and international performance standards

PERFORMANCE BEHAVIOR: Identify false echoes, sea return, a racon and SART.

PERFORMANCE STANDARD:

The following were recognized and correctly identified:

1. False echoes:
 - a. indirect or false echoes;
 - b. side lobe effects;
 - c. multiple echoes;
 - d. second trace echoes;
 - e. electronic interference; and,
 - f. spoking;
2. Sea return;
3. Racons; and,
4. SARTs.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

Mariner

SSN No.

Date

Assessor (sign and print name)

License No.

MMD No.

Position

Vessel or Training Course

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-1D

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: *Radar Navigation* -- Ability to operate and to interpret and analyze information obtained from radar, including: Use -- range and bearing, course and speed of other ships; time and distance of crossing, meeting, and overtaking ships

TASK: Determine range and bearing

PERFORMANCE CONDITION: On an operational radar or radar simulator that meets the standards of 33 CFR 164.38 and other applicable national and international performance standards, with land aids to navigation in range

PERFORMANCE BEHAVIOR: Determine the range and bearing to an object.

PERFORMANCE STANDARD:

1. The candidate determined the range and bearing to an object selected by the designated examiner within 30 seconds.
2. The candidate's determination of range was within ± 0.1 nm of the designated examiner's solution or $\pm 1\%$ of the range scale in use.
3. The candidate's determination of the bearing was within $\pm 1^\circ$ of the designated examiner's solution.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

Mariner

SSN No.

Date

Assessor (sign and print name)

License No.

MMD No.

Position

Vessel or Training Course

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-1E

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: *Radar Navigation* -- Identification of critical echoes; detecting course and speed changes of other ships; effect of changes of own ship's course and speed

TASK: Determine risk of collision

PERFORMANCE CONDITION: On an operational radar or radar simulator that meets the standards of 33 CFR 164.38 and other applicable national and international performance standards, set on the 12 mile scale, with at least 5 vessels on the display

PERFORMANCE BEHAVIOR: Determine if risk of collision or danger of collision exists with all approaching vessels.

PERFORMANCE STANDARD:

The candidate identified:

1. All approaching vessels whose bearing did not change appreciably;
2. All vessels that had a CPA of less than 3 miles; and
3. All determinations were made within 8 minutes of determining the initial range and bearing of each vessel.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | |
| Position | Vessel or Training Course | |

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-1F

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: *Radar Navigation* -- Identification of critical echoes; detecting course and speed changes of to other ships; effect of changes of own ship's course and speed

TASK: Determine DRM, SRM, CPA, and TCPA

PERFORMANCE CONDITION: On an operational radar or radar simulator that meets the standards of 33 CFR 164.38 and other applicable national and international performance standards, set on the 12 mile scale

PERFORMANCE BEHAVIOR: Determine:

1. The range and bearing to 3 other ships (meeting, crossing, and overtaking);
2. The DRM and SRM of all other ships; and
3. The CPA and TCPA of all vessels on the 12 mile scale with less than a 3 mile CPA.

PERFORMANCE STANDARD:

1. The range and bearing solutions were completed within 30 seconds and were within the previously stated tolerances.
2. The DRM solution was completed within 6 minutes and was within $\pm 5^\circ$ of the designated examiner's solution.
3. The SRM solution was completed within 7 minutes of initial range and bearing and was within ± 2 knot.
4. The CPA solution was completed within 7 minutes and was within ± 0.5 miles.
5. The TCPA solution was completed within 8 minutes and was within ± 3 minutes.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | |
| Position | Vessel or Training Course | |

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-1G

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: *Radar Navigation* -- Identification of critical echoes; detecting course and speed changes of other ships; effect of changes of own ship's course and speed

TASK: Detect speed and course changes of other ships

PERFORMANCE CONDITION: On an operational radar or radar simulator that meets the standards of 33 CFR 164.38 and other applicable national and international performance standards, set on the 12 mile scale, in the stabilized relative motion north-up mode, and with meeting of crossing targets

PERFORMANCE BEHAVIOR: Detect speed and course changes of other ships, which result in a change in the direction or speed of relative motion.

PERFORMANCE STANDARD:

Other ships' speed changes of at least 5 knots and/or course changes of at least 10° were detected within 10 rotations of the sweep (30 seconds) from the time the candidate began his or her systematic observation of the display.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | |
| Position | Vessel or Training Course | |

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-1H

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: *Radar Navigation* -- Identification of critical echoes; detecting course and speed changes of other ships; effect of changes of own ship's course and speed; and, application of International Regulations for Preventing Collisions at Sea

TASK: Change course to control target DRM

PERFORMANCE CONDITION: On an operational radar or radar simulator that meets the standards of 33 CFR 164.38 and other applicable national and international performance standards, set on the 12 mile scale in north-up stabilized relative motion mode, with a ship on the starboard bow with a CPA of 0.5

PERFORMANCE BEHAVIOR: Control the target vessels DRM by changing own ship's course in accordance with the COLREGS.

PERFORMANCE STANDARD: The candidate:

1. Determined the new course to steer to achieve a 2 mile CPA;
2. Executed a turn to starboard; and
3. Achieved a CPA of not less than 1.8 nm or more than 2.2 nm.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | |
| Position | Vessel or Training Course | |

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-11

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: *Radar Navigation* -- Identification of critical echoes; detecting course and speed changes of other ships; effect of changes of own ship's course and speed; and application of International Regulations for Preventing Collisions at Sea

TASK: Change speed to control target DRM

PERFORMANCE CONDITION: On an operational radar or radar simulator that meets the standards of 33 CFR 164.38 and other applicable national and international performance standards, set on the 12 mile scale in the north-up stabilized relative motion mode, with a vessel on the beam with a CPA of less than 0.5 nm ahead

PERFORMANCE BEHAVIOR: Control the target vessels DRM by changing own ship's speed in accordance with the COLREGS.

PERFORMANCE STANDARD: The candidate:

1. Determined the new speed to achieve a 2 mile CPA;
2. Executed a speed reduction; and
3. Achieved a CPA of not less than 1.8 nm or more than 2.2 nm.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | |
| Position | Vessel or Training Course | |

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-1J

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: *Radar Navigation* -- plotting techniques and relative and true motion concepts

TASK: Determine true course and speed of target vessels

PERFORMANCE CONDITION: On an operational radar or radar simulator that meets the standards of 33 CFR 164.38 and other applicable national and international performance standards, set on the 12 mile scale in the relative motion north-up mode, using any graphically correct method

PERFORMANCE BEHAVIOR: Determine the true courses and speeds of three target vessels.

PERFORMANCE STANDARD:

1. The candidate:

- a) Constructed a relative motion triangle on either a reflection plotter, a maneuvering board, or a transfer plotting sheet; and
- b) Solved for the target vessel's true course and speed within 8 minutes

2. The candidate's true course solution was within $\pm 5^\circ$ and the true speed solution was within ± 5 knots.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | |
| Position | Vessel or Training Course | |

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-1K

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: *Radar Navigation* -- parallel indexing

TASK: Parallel indexing

PERFORMANCE CONDITION: On an operational radar or radar simulator that meets the standards of 33 CFR 164.38 and other applicable national and international performance standards, set on the 12 mile scale in relative motion north-up mode, with aids to navigation and a coastline displayed on the display

PERFORMANCE BEHAVIOR: Use a parallel index line to monitor and maintain the vessel on track.

PERFORMANCE STANDARD:

1. Constructed a parallel index line through the edge of the known hazard to navigation or land mass; and,
2. Monitored the vessel's movement in relation to the parallel index line or an electronic display of the distance off the index line to determine if the vessel moved toward the hazard or land mass.
3. The vessel must not drift more than 10 % of the set distance toward the parallel index line.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | _____ |
| Position | Vessel or Training Course | |

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-2A

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: Principal types of ARPA, their display characteristics, performance standards and the dangers of over-reliance on ARPA

Ability to operate and to interpret and analyze information obtained from ARPA, including: system performance and accuracy, tracking capabilities and limitations, and processing delays; and use of operational warnings and system tests

TASK: Set up and maintain an ARPA display

PERFORMANCE CONDITION: On an operational ARPA that meet the standards of 33 CFR 164.38 (or an ARPA simulator that meets applicable national and international performance standards for ARPA)

PERFORMANCE BEHAVIOR: Set up and maintain the ARPA display.

PERFORMANCE STANDARD:

Within three minutes, the candidate:

1. Turned the power on;
2. Initialized performance monitor;
3. Noted error messages;
4. Switched from standby to on;
5. Selected the appropriate scale;
6. Adjusted the gain control so that targets and sea return appeared;
7. Adjusted the tune control (if the unit was not self tuning);
8. Adjusted the brilliance control;
9. Adjusted the sea clutter and rain clutter controls to suppress the rain and sea clutter without losing targets.
10. Displayed selected was north-up stabilized, relative motion.
11. Selected proper gyro course and speed input.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

Mariner

SSN No.

Date

Assessor (sign and print name)

License No.

MMD No.

Position

Vessel or Training Course

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

12. Selected sea-stabilized mode.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | |
| Position | Vessel or Training Course | |

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-2B

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: Principal types of ARPA, their display characteristics, performance standards and the dangers of over-reliance on ARPA

Ability to operate and to interpret and analyze information obtained from ARPA, including: methods of target acquisition and their limitations

TASK: Manual target acquisition

PERFORMANCE CONDITION: On an operational ARPA that meet the standards of 33 CFR 164.38 (or an ARPA simulator that meets applicable national and international performance standards for ARPA), with at least 10 targets on the selected range

PERFORMANCE BEHAVIOR: Manually acquire ten targets.

PERFORMANCE STANDARD:

Manually acquired 10 targets within 2 minutes.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

Mariner

SSN No.

Date

Assessor (sign and print name)

License No.

MMD No.

Position

Vessel or Training Course

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-2C

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: Principal types of ARPA, their display characteristics, performance standards and the dangers of over-reliance on ARPA
Ability to operate and to interpret and analyze information obtained from ARPA, including: methods of target acquisition and their limitations

TASK: Establish an exclusion area

PERFORMANCE CONDITION: On an operational ARPA that meet the standards of 33 CFR 164.38 (or an ARPA simulator that meets applicable national and international performance standards for ARPA), with the ARPA on the 12 mile scale, and in automatic acquisition

PERFORMANCE BEHAVIOR: Establish an exclusion area that suppresses the automatic acquisition of targets in that area.

PERFORMANCE STANDARD:

Within two minutes, the candidate established an exclusion area on the side of the vessel selected by the designated examiner that was either described by an arc of 90° on the appropriate side of the vessel, or described by a line parallel to the vessel's track four miles from the vessel.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | _____ |
| Position | Vessel or Training Course | |

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-2D

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: Principal types of ARPA, their display characteristics, performance standards and the dangers of over-reliance on ARPA

Ability to operate and to interpret and analyze information obtained from ARPA, including: true and relative vectors, graphic representation of target information and danger areas

TASK: Set vector characteristics

PERFORMANCE CONDITION: On an operational ARPA that meet the standards of 33 CFR 164.38 (or an ARPA simulator that meets applicable national and international performance standards for ARPA), with the ARPA on the 12 mile scale

PERFORMANCE BEHAVIOR: Switch between true and relative vectors and change the length of the vectors from 6 minutes to 30 minutes.

PERFORMANCE STANDARD:

Switched between true and relative vectors and changed the length of the vectors within 10 seconds.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

Mariner

SSN No.

Date

Assessor (sign and print name)

License No.

MMD No.

Position

Vessel or Training Course

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-2E

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: Principal types of ARPA, their display characteristics, performance standards and the dangers of over-reliance on ARPA

Ability to operate and to interpret and analyze information obtained from ARPA, including: true and relative vectors, graphic representation of target information and danger areas

TASK: Designate targets

PERFORMANCE CONDITION: On an operational ARPA that meet the standards of 33 CFR 164.38 (or an ARPA simulator that meets applicable national and international performance standards for ARPA), with the ARPA on the 12 mile scale

PERFORMANCE BEHAVIOR: Designate two acquired targets.

PERFORMANCE STANDARD:

Designated two of the acquired targets for an alphanumeric display of the target information within 10 seconds for each target.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | |
| Position | Vessel or Training Course | |

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-2F

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: Principal types of ARPA, their display characteristics, performance standards and the dangers of over-reliance on ARPA

Ability to operate and to interpret and analyze information obtained from ARPA, including: true and relative vectors, graphic representation of target information and danger areas

TASK: Cancel targets

PERFORMANCE CONDITION: On an operational ARPA that meet the standards of 33 CFR 164.38 (or an ARPA simulator that meets applicable national and international performance standards for ARPA), with the ARPA on the 12 mile scale

PERFORMANCE BEHAVIOR: Cancel a single target.

PERFORMANCE STANDARD:

A single target was cancelled within 5 seconds.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | |
| Position | Vessel or Training Course | |

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-2G

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: Principal types of ARPA, their display characteristics, performance standards and the dangers of over-reliance on ARPA

Ability to operate and to interpret and analyze information obtained from ARPA, including: true and relative vectors, graphic representation of target information and danger areas

TASK: Target history

PERFORMANCE CONDITION: On an operational ARPA that meet the standards of 33 CFR 164.38 (or an ARPA simulator that meets applicable national and international performance standards for ARPA), with the ARPA on the 12 mile scale

PERFORMANCE BEHAVIOR: Demonstrate the ability to have the ARPA display target history.

PERFORMANCE STANDARD: The candidate:

1. Correctly operated the controls that display target history.
2. The history was displayed within 10 seconds.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

Mariner

SSN No.

Date

Assessor (sign and print name)

License No.

MMD No.

Position

Vessel or Training Course

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-2H

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: Principal types of ARPA, their display characteristics, performance standards and the dangers of over-reliance on ARPA
Ability to operate and to interpret and analyze information obtained from ARPA, including: true and relative vectors, graphic representation of target information and danger areas

TASK: Establish CPA and TCPA

PERFORMANCE CONDITION: On an operational ARPA that meet the standards of 33 CFR 164.38 (or an ARPA simulator that meets applicable national and international performance standards for ARPA), with the ARPA on the 12 mile scale

PERFORMANCE BEHAVIOR: Establish the CPA and TCPA for dangerous targets.

PERFORMANCE STANDARD:

1. The candidate determined the parameters for dangerous targets by entering:
 - a. minimum CPA; and
 - b. minimum TCPA.
2. Data entry was completed within 1 minute.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | |
| Position | Vessel or Training Course | |

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-2I

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: Principal types of ARPA, their display characteristics, performance standards and the dangers of over-reliance on ARPA

Ability to operate and to interpret and analyze information obtained from ARPA, including: true and relative vectors, graphic representation of target information and danger areas

TASK: Establish alarm area

PERFORMANCE CONDITION: On an operational ARPA that meet the standards of 33 CFR 164.38 (or an ARPA simulator that meets applicable national and international performance standards for ARPA), with the ARPA on the 12 mile scale

PERFORMANCE BEHAVIOR: Establish an alarm area with outer and inner guard rings.

PERFORMANCE STANDARD:

Established an alarm area with an outer guard ring of 8 nm and an inner guard ring of 4nm within 2 minutes.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

Mariner

SSN No.

Date

Assessor (sign and print name)

License No.

MMD No.

Position

Vessel or Training Course

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-2J

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: Principal types of ARPA, their display characteristics, performance standards and the dangers of over-reliance on ARPA

Ability to operate and to interpret and analyze information obtained from ARPA, including: deriving and analyzing information, critical echoes, exclusion areas and trail maneuvers

TASK: Trial Maneuver

PERFORMANCE CONDITION: On an operational ARPA that meet the standards of 33 CFR 164.38 (or an ARPA simulator that meets applicable national and international performance standards for ARPA), with the ARPA on the 12 mile scale, with at least ten targets within 12 miles of the own ship

PERFORMANCE BEHAVIOR: Demonstrate the trial maneuver function.

PERFORMANCE STANDARD: The candidate:

1. Accessed the trial maneuver mode;
2. Entered course changes;
3. Determined the course to steer to avoid all targets by at least 2 NM, within 30 seconds;.
4. Entered speed changes;
5. Determined the speed necessary to avoid all targets by at least 2 NM, within 30 seconds; and
6. Returned the display to real time.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

Mariner

SSN No.

Date

Assessor (sign and print name)

License No.

MMD No.

Position

Vessel or Training Course

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-2K

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: Principal types of ARPA, their display characteristics, performance standards and the dangers of over-reliance on ARPA

Ability to operate and to interpret and analyze information obtained from ARPA, including: deriving and analyzing information, critical echoes, exclusion areas and trail maneuvers

TASK: Switch stabilization modes

PERFORMANCE CONDITION: On an operational ARPA that meets the standards of 33 CFR 164.38 (or an ARPA simulator that meets applicable national and international performance standards for ARPA), with the ARPA on the 12 mile scale

PERFORMANCE BEHAVIOR: Switch the display from a north-up relative motion sea stabilized display to a true-motion, ground-stabilized display.

PERFORMANCE STANDARD:

The candidate completed the change within 10 seconds.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | |
| Position | Vessel or Training Course | |

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-2L

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: Principal types of ARPA, their display characteristics, performance standards and the dangers of over-reliance on ARPA

Ability to operate and to interpret and analyze information obtained from ARPA, including: deriving and analyzing information, critical echoes, exclusion areas and trail maneuvers

TASK: Switch stabilization modes

PERFORMANCE CONDITION: On an operational ARPA that meet the standards of 33 CFR 164.38 (or an ARPA simulator that meets applicable national and international performance standards for ARPA), with the ARPA on the 12 mile scale, using 2 nav marks and one nav line.

PERFORMANCE BEHAVIOR: Establish a parallel index line to monitor and maintain the vessel on track

PERFORMANCE STANDARD: The candidate:

1. Constructed a parallel index line between the 2 nav marks and through the seaward edge of the known hazard to navigation or land mass;
2. Positioned the VRM at a distance named by the designated examiner from the edge of the parallel index line; and
3. Monitored the vessel' movement to determine if the edge of the VRM moves inside the parallel index line.
4. Took action to ensure that the VRM did not drift more than 10 % of the VRM distance inside the parallel index line.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | _____ |
| Position | Vessel or Training Course | |

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-3-2M

FUNCTION: Navigation at the Operational Level

COMPETENCE: Use of radar and ARPA to maintain the safety of navigation

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: Principal types of ARPA, their display characteristics, performance standards and the dangers of over-reliance on ARPA
Ability to operate and to interpret and analyze information obtained from ARPA, including: deriving and analyzing information, critical echoes, exclusion areas and trail maneuvers

TASK: Determine set and drift

PERFORMANCE CONDITION: On an operational ARPA that meet the standards of 33 CFR 164.38 (or an ARPA simulator that meets applicable national and international performance standards for ARPA), with the ARPA on the 12 mile scale

PERFORMANCE BEHAVIOR: Determine the set and drift of the vessel.

PERFORMANCE STANDARD:

1. The display was sea stabilized.
2. A stationery target was identified, acquired, and designated.
3. The target's course and speed were read as the set and drift within 3 minutes.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

Mariner

SSN No.

Date

Assessor (sign and print name)

License No.

MMD No.

Position

Vessel or Training Course

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-4-1A

FUNCTION: Navigation at the Operational Level

COMPETENCE: Transmit and receive information by visual signaling

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: *Visual Signaling* -- Ability to transmit and receive signals by Morse code

TASK: Flashing Light

PERFORMANCE CONDITION: On a ship or in a laboratory using a device which sends flashing light messages at a speed of 6 wpm; when sent two messages, the first consisting of the following:

1. DE followed by a four- (4) letter identity signal, sent once;
2. YU: Indicating that a Code Group follows, sent once;
3. Text: Five random five letter groups, each of which is repeated twice; and,
4. Ending: AR;

and the second consisting of:

1. DE followed by a four letter identity signal, sent once;
2. YU: Indicating that a Code Group follows; sent once;
3. Text: Five three character code groups, each of which is sent twice;
4. Ending: AR.

PERFORMANCE BEHAVIOR: Read the Morse code flashing light signals, record the letters and numbers of the entire message, and interpret the code groups in accordance with H.O. 102.

PERFORMANCE STANDARD: The candidate:

1. Recorded the letters of the message; and,
2. Achieved a minimum passing score of 80% scored as follows:
 - a. three points are given for each correct character of the five random five letter groups for a possible total of 75 points; and

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

Mariner

SSN No.

Date

Assessor (sign and print name)

License No.

MMD No.

Position

Vessel or Training Course

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

- b. five points are given for each correct plain language interpretation (candidate must look up the meaning of the code groups in H.O. 102) of each of the five code groups for a possible total of 25 points.

ASSESSMENT NO. OICNW-5-1A

FUNCTION: Navigation at the Operational Level

COMPETENCE: Maneuver the ship

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: *Ship maneuvering and handling --*
Maneuvering and procedures for the rescue of person overboard

TASK: Maneuver for man overboard

PERFORMANCE CONDITION: On a ship at sea or in a full mission simulator, upon receiving notification of a Man-Overboard

PERFORMANCE BEHAVIOR: Immediately initiate either a Williamson Turn or Anderson Turn (as appropriate for conditions), return the vessel to the MOB, and give the command to launch the rescue boat.

PERFORMANCE STANDARD: The candidate:

1. Ordered full rudder to the side of MOB and placed engines on stand by (do not reduce speed);
2. Simulated releasing the lighted buoy;
3. Sounded MOB signal if other vessels are in sight;
4. Marked (if equipped) the ship's position on ARPA/GPS;
5. Simulated a "Pan" call on the VHF notifying any vessels in vicinity of the MOB;
6. Completed the recovery turn;
7. Stated that the rescue boat would be prepared for launch; or scrambling nets rigged on correct side of the vessel;

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | |
| Position | Vessel or Training Course | |

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

8. Stated that when on the reciprocal of the original course, the vessel would be slowed and stopped within .1 nm of the MOB to begin the recovery/search.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | |
| Position | Vessel or Training Course | |

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-5-1B

FUNCTION: Navigation at the Operational Level

COMPETENCE: Maneuver the ship

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: *Ship maneuvering and handling --*
Basic Maneuvering

TASK: Course change of more than 45°

PERFORMANCE CONDITION: On a ship at sea or in a full mission simulator

PERFORMANCE BEHAVIOR: Order turning the vessel left or right more than 45° from the original heading.

PERFORMANCE STANDARD: The candidate:

1. Ordered the turn, left or right more than 45° from the original heading, by applying a minimum of 10° and a maximum of 20° of rudder;
2. Reduced rudder as the ship approached the new course; and,
3. Steadied on the new course without over shooting the course by more than 10°

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | _____ |
| Position | Vessel or Training Course | |

Assessment of Competence

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

ASSESSMENT NO. OICNW-5-1C

FUNCTION: Navigation at the Operational Level

COMPETENCE: Maneuver the ship

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: *Ship maneuvering and handling --*
Basic Maneuvering

TASK: Emergency stop

PERFORMANCE CONDITION: On a ship at sea or in a full mission simulator, proceeding at a speed of at least half ahead

PERFORMANCE BEHAVIOR: Execute an emergency stop.

PERFORMANCE STANDARD:

The candidate will, within the safe operating limits of the vessel's propulsion system, stop the vessel using maximum astern thrust and rudder cycling without deviating from the original course by more than 20°.

A ship's officer who signs below attests that he/she has met the requirements to qualify as a shipboard assessor.

| | | |
|--------------------------------|---------------------------|---------|
| _____ | _____ | _____ |
| Mariner | SSN No. | Date |
| _____ | _____ | _____ |
| Assessor (sign and print name) | License No. | MMD No. |
| _____ | _____ | |
| Position | Vessel or Training Course | |

Alternative Scheme

1. Because mariners may not have sufficient time to complete training requirements set forth in enclosure (1), the following alternate scheme has been developed. This alternative scheme, listed below, only affects the requirements for the training set forth by STCW-95 and listed in enclosure (1) paragraph b. The plan is two-fold and will be effective until February 2003. No other exceptions will be allowed. Effective 1 February 2003, the alternative scheme will no longer be accepted and applicants must meet the requirements of enclosure (1) to this policy letter.

2. The first phase pertains to those mariners whose applications are approved from 1 February 2002 through 30 April 2002. During this time frame, mariners who apply for a license as officer in charge of a navigational watch any gross tons and an STCW certification must complete only the Coast Guard approved or accepted training listed below. This list is in lieu of the list of training in enclosure (1).

- Advanced Firefighting
- Medical First Aid Provider
- ARPA
- BRM*
- Proficient in Survival Craft
- GMDSS
- Celestial Navigation*
- Terrestrial Navigation*
- Coastal Navigation*

* Course must be specifically approved to meet STCW Table A II/1

3. The second phase applies to those mariners whose applications are approved from 1 May 2002 through 31 January 2003. In addition to the training requirements of paragraph 2 above, these mariners must also complete the Coast Guard approved or accepted training listed below.

- Emergency Procedures
- Stability
- Meteorology