

Old NVIC # Equivalent to New Task #	Old Course	TASK NO.	Category	COMMON ELEMENT	TASK & ASSESSMENT GUIDANCE	Not needed for ATB	Assessment Method	Existing compliance	Notes
A 1	Complete Onboard Tug	CE-A.1	Vessel Fam	✓	Locate and demonstrate use of firefighting equipment DE: Have the mariner draw a diagram locating all firefighting equipment aboard the vessel or conduct a tour indicating its location. Have the mariner briefly describe this equipment and its proper use.		Complete onboard		
A 2	Complete Onboard Tug	CE-A.2	Vessel Fam	✓	Locate and demonstrate use of life-saving equipment DE: Have the mariner draw a diagram locating all life-saving equipment aboard the vessel or conduct a tour indicating its location. Have the mariner briefly describe this equipment and its proper use.		Complete onboard		
A 3-A	Presentation 1	CE-A.3	Vessel Fam	✓	Identify and describe propulsion system DE: Have the mariner provide a brief description of this system, including the make and manufacturer of the main engine, horsepower, type of control system with any delays, number of wheels, number of rudders or alternate propulsion, and procedure to switch status, if applicable.		STAR Center	Presentation 1	
A 3-B	Presentation 1	CE-A.4	Vessel Fam	✓	Identify and describe steering system DE: Have the mariner provide a brief description of this system, including the type of system (electric, hydraulic, mechanical, etc.), types of steering controls (follow-up non-follow-up, auto pilot), time from hard-over to hard-over and emergency back-up systems. Have the mariner demonstrate the ability to switch modes and stations, if applicable.		STAR Center	Presentation 1	
A 3-C	Presentation 1	CE-A.5	Vessel Fam	✓	Identify and describe auxiliary systems DE: Have the mariner provide a brief description of the electrical generating system (including emergency power sources), compressed air and hydraulic systems, if applicable. Have the mariner describe the safe and practical use of these systems as prescribed by the company's operating procedures.		STAR Center	Presentation 1	
A 4	Complete Onboard Tug	CE-A.6	Vessel Fam	✓	Describe and follow vessel fuel transfer procedures DE: Have the mariner locate the transfer procedures and describe the responsibilities of the watch officer as prescribed by the vessel-specific procedures. Have the mariner participate in a fuel transfer following the procedures.		Complete onboard		
A 5	Complete Onboard Tug	CE-A.7	Vessel Fam	✓	Identify physical characteristics of vessel and tow DE: Have the mariner provide a brief description, including the length, breadth, draft, and highest fixed point of vessel and tow; describe the tow configuration and cargo; and identify the location of any hazardous cargo in the tow.		Complete onboard		
A 6	Complete Onboard Tug	CE-A.8	Vessel Fam	✓	Conduct safety orientations for new crewmembers DE: Have the mariner conduct a safety orientation as prescribed by company policy or the vessel captain. Have the mariner identify firefighting and emergency equipment and points of egress.		Complete onboard		
A 7	Sim ex 3	CE-A.9	Vessel Fam	✓	Use vessel's internal communications system or equipment DE: Have the mariner identify and use all internal communications equipment aboard the vessel.		STAR Center	Sim ex 3 and 4	
A 8-A	Complete Onboard Tug	NCO-A.10	Vessel Fam		Ensure watertight integrity DE: Have the mariner secure doors, hatches, and any other openings that would adversely affect the watertight integrity of the vessel and tow.		Complete onboard		
A 8-B	Complete Onboard Tug	NCO-A.11	Vessel Fam		Stowing the deck gear DE: Have the mariner secure the deck gear on the vessel and tow, including lines, wires, shackles, anchoring gear, safety gear, and any loose items.		Complete onboard		
A 9	Complete Onboard Tug	NCO-A.12	Vessel Fam		Operate towing gear DE: Have the mariner describe every component of the towing gear and its step-by-step operation. Have the mariner demonstrate the safe and proper use of this equipment in connection and letting go.	Not needed for ATB	N/A		
A10	Complete Onboard Tug	NCO-A.13	Vessel Fam		Inspect towing gear DE: Have the mariner inspect the towing gear on the vessel and tow and document the inspection according to 33 CFR 164.74.	Not needed for ATB	N/A		
A11	Presentation 3	NCO-A.14	Vessel Fam		Describe the procedures for maintaining the towing gear DE: Have the mariner describe the procedures for preventative maintenance, repair and replacement of every component of the towing gear used aboard the vessel and tow.	Not needed for ATB	N/A		Delete existing simulation?
B 1	Sim ex 3	CE-B.1	Navigation and Piloting	✓	Describe the effects of tide or current on vessel's position		STAR Center	Sim ex 3	
B 2	Sim ex 1	CE-B.2	Navigation and Piloting	✓	Allow for draft and clearances in navigation of vessel DE: Have the mariner identify draft and calculate vertical clearance for a given overhead obstruction using required charts and publications. Have the mariner determine as accurately as possible underkeel clearance based on draft and information from all available sources (such as charts, maps, Notice to Mariners, local knowledge, etc.).		STAR Center	Sim ex 1	
B 3	OICNW	CE-B.3	Navigation and Piloting	✓	Conduct pre-voyage tests and inspections DE: Have the mariner conduct pre-voyage tests and inspections according to 33 CFR 164.80 and company guidelines.		Complete onboard		
B 4	OICNW	CE-B.4	Navigation and Piloting	✓	Describe and comply with VTS reporting requirements DE: Have the mariner locate information on VTS systems using publications and charts aboard the vessel and describe the use and function of VTS systems. Observe the mariner's use of VTS systems during vessel operations, if applicable. [33 CFR 161; 33 CFR 163]		STCW endorsement as OICNW		
B 5	OICNW	CE-B.5	Navigation and Piloting	✓	Communicate using VHF radio DE: Have the mariner conduct VHF communications in the course of vessel operations. Have the mariner demonstrate the operation of the radios and describe the use, etiquette, and monitoring of the required channels for the vessel's area of operation.		STCW endorsement as OICNW		

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B 6	Sim ex 3	CE-B.6	Navigation and Piloting	✓	Provide radio/whistle notice of getting underway DE: Prior to getting underway, have the mariner make a security call and any other required radio calls to traffic or VTS, as well as any whistle signals required by the Rules of the Road.		STAR Center	Sim ex 3	
B 7	OICNW	CE-B.7	Navigation and Piloting	✓	Make security calls DE: For a prescribed route, have the mariner describe situations in which security calls are needed and make required security calls.		STCW endorsement as OICNW		
B 8	OICNW	CE-B.8	Navigation and Piloting	✓	Initiate appropriate actions in reduced visibility DE: Have the mariner explain the regulatory requirements and company practices for operating in reduced visibility. Have the mariner demonstrate the actions necessary to ensure the safe operation of the vessel (e.g., light and sound signals, speed, notifications, lookouts, traffic, anchoring or stopping).		STCW endorsement as OICNW		
B 9	OICNW	NCO-B.9	Navigation and Piloting		Identify and maintain required charts and publications DE: Have the mariner identify and maintain charts or maps and publications in accordance with 33 CFR 164.72, extract relevant information from publications, and make corrective changes to required charts or maps to incorporate the latest information on the area of operation.		STCW endorsement as OICNW		
B10	OICNW	NCO-B.10	Navigation and Piloting		Use required charts and publications DE: Have the mariner extract and apply during a voyage relevant information from various sources such as tide and tidal current tables, Light List, U.S. Coast Pilot, charts and Notices to Mariners and/or Local Notice to Mariners (LNM), and Admiralty Notices of Mariners (ANM) and Notices to Mariners (as applicable).		STCW endorsement as OICNW		
B11	OICNW	NCO-B.11	Navigation and Piloting		Determine vessel's position on chart DE: Have the mariner accurately plot the vessel's position on a chart using the vessel's electronic position indicating equipment.		STCW endorsement as OICNW		
B12	OICNW	NCO-B.12	Navigation and Piloting		Voyage Plan per 33 CFR 164.80 DE: Have the mariner plan the route for a given voyage, taking into account required publications, prevailing conditions, bar crossings, and vessel and tow characteristics.		STCW endorsement as OICNW		
B13	OICNW	NCO-B.13	Navigation and Piloting		Incorporate information on forecast weather and sea conditions in route planning DE: Have the mariner acquire weather, sea, and current, condition forecasts for the planned route using all available resources.		STCW endorsement as OICNW		
B14	OICNW	NCO-B.14	Navigation and Piloting		Maintain track by plotting with electronic aids DE: Observe the corrections the mariner applies while underway to maintain the designated route using available electronic aids. Have the mariner calculate set and drift and apply the appropriate course changes.		STCW endorsement as OICNW		
B15	Sim ex 3	NCO-B.15	Navigation and Piloting		Maintain a heading using magnetic compass and gyro, if equipped DE: Using a magnetic compass, have the mariner maintain a prescribed heading within +1- 5 degrees, with minimum rudder corrections, for at least 1 mile. Have the mariner do the same using a gyrocompass if the vessel is so equipped.		STAR Center	Sim ex 3 and 4	
C 1	OICNW	CE-C.1	Watch-standing	✓	Operate and use all electronic navigation equipment in pilothouse DE: Have the mariner give a brief description of the use and operation of all electronic navigation equipment installed aboard the vessel and demonstrate how to use the equipment.		STCW endorsement as OICNW		
C 2	Sim ex 2 and 4	CE-C.2	Watch-standing	✓	Use a compass or swing meter (as applicable) DE: For the compass, give the mariner a true course to steer. Have the mariner apply variation and deviation to find the magnetic course to steer. For the swing meter, have the mariner maintain the sailing line for 2 miles.		STAR Center	Sim ex 2	
C 3	OICNW	CE-C.3	Watch-standing	✓	Make appropriate entries in vessel's log DE: Have the mariner describe and make log entries required by regulation and company policies.		STCW endorsement as OICNW		
C 4	OICNW	CE-C.4	Watch-standing	✓	Maintain proper lookout DE: Observe the mariner while on watch to ensure that he/she maintains high situational awareness by staying focused, avoiding distractions, and effectively using all available resources (which may include an additional person given the conditions) to maintain a vigilant lookout.		STCW endorsement as OICNW		
C 5	OICNW	CE-C.5	Watch-standing	✓	Communicate navigation and vessel status information to the relieving watch officer DE: Have the mariner conduct a change of watch and communicate specific information relevant to vessel position, equipment readiness, weather, traffic, tow changes, navigational hazards, river or sea conditions, and crew readiness.		STCW endorsement as OICNW		
C 6	OICNW	NCO-C.6	Watch-standing		Follow standing orders and/or Master's instructions on watch DE: Have the mariner describe the process for the transfer of information through the use of standing orders or Master's instructions (written or verbal). Observe the information exchange and ensure that the mariner applies standing orders or Master's instructions during the navigation watch.		STCW endorsement as OICNW		
C 7	OICNW	NCO-C.14	Watch-standing		Standing a Navigational Watch DE: Have the mariner demonstrate standing a navigation watch per the regulatory requirements of 33 CFR 164.78.		Complete onboard		

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C 7	OICNW	NCO-C.7	Watch-standing		Monitor traffic using visual, audio, and electronic aids (e.g., binoculars, VHF, sound signals, and radar) DE: Have the mariner describe the available means of detecting, tracking and monitoring traffic in the vicinity of the vessel and tow. While standing a navigational watch, ensure that the mariner uses the described methods and takes appropriate actions to ensure the safe navigation of the vessel and tow.		STCW endorsement as OICNW		
C 8	Sim ex 3	NCO-C.8	Watch-standing		Monitor movement, ride and stability of tug DE: Have the mariner describe the factors that affect the ride and stability of the tug, taking into account trim, heel, towline length, wind, sea conditions, and familiarity with vessels stability letter. Observe the mariner's responses to these conditions to ensure safe navigation of the tug.		STAR Center	Sim ex 3 and 4	
C 9	Sim ex 3	NCO-C.9	Watch-standing		Monitor movement, ride and stability of the tow DE: Have the mariner describe the factors that affect the ride and stability of the tow, taking into account wind and sea conditions, load condition, and pitch, heel or yaw. Observe the mariner's responses to these conditions to ensure	Not needed for ATB	N/A		
C10-A	Presentation 3	NCO-C.10	Watch-standing		Monitor status of the towing gear, including catenary DE: Have the mariner describe catenary and how it affects vessel operations in relation to water depth, weather conditions, proximity to hazards, and handling characteristics. Observe the mariner's response to these conditions to ensure	Not needed for ATB	N/A		Delete existing simulation?
C10-B	Presentation 3	NCO-C.11	Watch-standing		Monitor status of the towing gear, including chafing of tow wire or hawser DE: Have the mariner describe the methods to protect the tow wire/hawser from chafing. While underway, ensure that the mariner takes appropriate	Not needed for ATB	N/A		Delete existing simulation?
C10-C	Presentation 3	NCO C.12	Watch-standing		Monitor status of the towing gear, including pushing gear DE: Have the mariner describe the pushing gear and how it is deployed. During operations, have the mariner deploy, retrieve, monitor and inspect the pushing		Complete onboard		
C11	Sim ex 3	NCO-C.13	Watch-standing		Take appropriate action in response to changing weather and sea conditions DE: Have the mariner describe the actions to be taken in changing weather and sea conditions. While underway, ensure that the mariner makes the necessary adjustments to the vessel's course, speed, and tow wire/hawser to ensure the		STAR Center	Sim ex 3	
D 1	Sim ex 1	CE-D.1	MANEUVERING	✓	Maneuver light boat - maneuvering ahead DE: Have the mariner demonstrate the ability to safely maneuver the vessel while operating on a prescribed route, at a designated speed, between two points.		STAR Center	Sim ex 1	
D 1	Sim ex 1	CE-D.2	MANEUVERING	✓	Maneuver light boat -maneuvering astern DE: Have the mariner demonstrate the ability to safely maneuver the vessel astern for a prescribed distance or time sufficient to demonstrate his/her ability to maintain control of the vessel.		STAR Center	Sim ex 1	
D 1	Sim ex 1	CE-D.3	MANEUVERING	✓	Maneuver light boat - reverse heading or direction DE: Have the mariner demonstrate the ability to safely slow the vessel to a safe speed, reverse direction within two boat lengths, and establish a reciprocal heading or direction		STAR Center	Sim ex 1	
D 1	Sim ex 1	CE-D.4	MANEUVERING	✓	Maneuver light boat - maneuvering with and against the current DE: Have the mariner demonstrate the ability to safely maneuver the vessel around a designated point with and against the current. Have the mariner point out the actions he/she is taking to account for the effects of current on the vessel.		STAR Center	Sim ex 1	
D 1	Sim ex 1	CE-D.5	MANEUVERING	✓	Maneuver light boat - landing DE: Have the mariner demonstrate the ability to safely maneuver the vessel around a designated point with and against the current. Have a mariner point out the actions he/she is taking to account for the effects of current on the vessel.		STAR Center	Sim ex 1	
D 5	Sim ex 1	NCO-D.9	MANEUVERING		Dock and undock light boat		STAR Center	Sim ex 1	
D 6	Sim ex 2 and 4	NCO-D.10	MANEUVERING		Dock and sail the tow as directed by the Master DE: Have the mariner describe his/her responsibilities for docking and undocking the vessel and tow according to the Master's orders and/or company policy. Observe the mariner carrying out these duties during docking and	Not needed for ATB	N/A		Delete existing simulation?
D 7-A	Sim ex 2 and 4	NCO-D.11	MANEUVERING		Maneuver a tow underway — in port DE: Have the mariner describe the operation of the vessel and tow while operating in confined waters. Observe the mariner safely operating and maneuvering the vessel and tow while towing astern, towing alongside, and pushing ahead (as applicable), taking into account prevailing conditions such as air and water draft limitations, traffic, VTS, weather, restricted visibility, and darkness.	Not needed for ATB	N/A		Delete existing simulation?
D 7-B	Sim ex 3	NCO-D.12	MANEUVERING		Maneuver a tow underway — at sea DE: Have the mariner describe the operation of the vessel and tow at sea while pushing ahead and towing astern (as applicable). Observe the mariner safely operating and maneuvering the vessel and tow, taking into account prevailing conditions such as changing weather and sea conditions, traffic, restricted visibility, draft limitations, and tow wire/hawser length.	Not needed for ATB	N/A		Delete existing simulation?
D 8	Sim ex 1	NCO-D.14	MANEUVERING		Transition to/from towing, pushing, and alongside modes DE: Have the mariner describe the procedure for transitioning from one towing mode to another. Have the mariner carry out his/her responsibilities while transitioning from towing astern to towing alongside or pushing ahead, and from towing alongside or pushing ahead to towing astern.	Not needed for ATB	N/A		Delete existing simulation?

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D 9	Sim ex 2 and 4	NCO-D.15	MANEUVERING		Anchor the tow (if applicable) DE: Have the mariner describe the procedures for anchoring the vessel and tow, taking into account prevailing conditions such as water depth, type of bottom, bottom contours, speed of current, tides, type of anchoring equipment, condition of tow.	Not needed for ATB	N/A		Delete existing simulation?
E 1-A	OICNW	CE-E.1	RULES OF THE ROAD	✓	Meeting while towing DE: Have the mariner explain the Rules of the Road for a meeting situation, including pertinent sound and light signals and radio communications. In an actual meeting situation, confirm that the mariner has complied with the Rules of the Road in a timely manner, taking into account prevailing circumstances and conditions.		STCW endorsement as OICNW		
E 1-B	OICNW	CE-E.2	RULES OF THE ROAD	✓	Crossing while towing DE: Have the mariner explain the Rules of the Road for a crossing situation, including pertinent sound and light signals and voice communications. In an actual crossing situation, confirm that the mariner has complied with the Rules of the Road in a timely manner, taking into account prevailing circumstances and conditions.		STCW endorsement as OICNW		
E 1-C	OICNW	CE-E.3	RULES OF THE ROAD	✓	Overtaking another vessel while towing DE: Have the mariner explain the Rules of the Road for an overtaking situation. Including pertinent sound and light signals and radio communication in an actual overtaking situation, confirm that the mariner has complied with the Rules of the Road in a timely manner, taking into account prevailing circumstances and conditions.		STCW endorsement as OICNW		
E 1-D	OICNW	CE-E.4	RULES OF THE ROAD	✓	Being stand-on vessel DE: Have the mariner explain the responsibility of being a stand-on vessel in a crossing or overtaking situation. Observe the mariner's ability to operate the vessel so as not to hinder or confuse the operation of the give-way vessel.		STCW endorsement as OICNW		
E 1-E	OICNW	CE-E.5	RULES OF THE ROAD	✓	Being give-way vessel DE: Have the mariner explain the responsibility of being a give-way vessel in a crossing or overtaking situation. Observe the mariner's ability to operate the vessels so as not to hinder or confuse the operation of the stand-on vessel.		STCW endorsement as OICNW		
E 1-F	OICNW	CE-E.6	RULES OF THE ROAD	✓	Operating in restricted visibility DE: Have the mariner describe the Rules of the Road as they apply to operating in restricted visibility.		STCW endorsement as OICNW		
E 1-G	Sim ex 3	CE-E.7	RULES OF THE ROAD	✓	Properly lighting towing vessel and tow for different towing modes DE: Have the mariner describe the Rules of the Road for lighting in different modes of towing (towing while pushing ahead, towing astern, and towing alongside) as applicable to the vessel's operation. Have the mariner set the running light for the towing configuration being observed.		STAR Center	Sim ex 3	
E 1-H	OICNW	CE-E.8	RULES OF THE ROAD	✓	Provide proper sound and light signals DE: Have the mariner describe the Rules of the Road as they apply to sound and light signals for danger, blind bends, and operating astern propulsion.		STCW endorsement as OICNW		
E 2	OICNW	NCO-E.9	RULES OF THE ROAD		Recognize and use lights and shapes DE: Have the mariner describe the proper lights and shapes for the types of vessels and scenarios likely to be encountered while underway. In the course of a navigation watch, have the mariner distinguish the lights and shapes of vessels encountered and take appropriate action.		STCW endorsement as OICNW		
E 3	Sim ex 3	NCO-E.10	RULES OF THE ROAD		Transition from International (COLREGS) to Inland Rules of the Road (and vice versa) DE: Have the mariner explain the differences between international and inland Rules with respect to lights and sound signals. Ensure that the mariner makes a necessary changes when crossing the Line of Demarcation.		STAR Center	Sim ex 3	
F 1-A	Complete Onboard Tug	CE-F.1	Safety and Emergency Response	✓	Describe procedures to be followed in response to steering failure DE: Have the mariner describe the actions to be taken in the event of a steering failure. The actions should follow regulatory requirements for casualty reporting company policies or practices, captain's standing orders, and/or the mariner's training and experience. Have the mariner demonstrate these actions during a simulated steering failure.		Complete onboard		
F 1-B	Complete Onboard Tug	CE-F.2	Safety and Emergency Response	✓	Describe procedures to be followed in response to loss of electrical power DE: Have the mariner describe the actions to be taken in the event of the loss of electrical power. The actions should follow regulatory requirements for casualty reporting, company policies or practices, and/or the mariner's training and experience. Have the mariner demonstrate these actions during a simulated loss of electrical power.		Complete onboard		
F 1-C	Complete Onboard Tug	CE-F.3	Safety and Emergency Response	✓	Describe procedures to be followed in response to loss of propulsion DE: Have the mariner describe the actions to be taken in the event of the loss of propulsion. The actions should follow regulatory requirements for casualty reporting, company policies or practices, and/or the mariner's training and experience. Have the mariner demonstrate these actions during a simulated loss of propulsion.		Complete onboard		
F 1-D	Complete Onboard Tug	CE-F.4	Safety and Emergency Response	✓	Describe procedures to be followed in response to collision/allision DE: Have the mariner describe action that could be taken to mitigate a collision or allision in the following situations: meeting, crossing, overtaking, bridge strikes, and dock strikes. The actions taken should be consistent with the vessel's operating characteristics, regulatory requirements for casualty reporting and applicable Rules of the Road, and company policies or practices.		Complete onboard		

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F 1-E	Complete Onboard Tug	CE-F.5	Safety and Emergency Response	✓	Describe procedures to be followed in response to grounding DE: Have the mariner describe the actions to be taken in the event of a grounding. The actions should follow regulatory requirements for casualty reporting, company policies or practices, and/or standing orders. Have the		Complete onboard		
F 1-F	Complete Onboard Tug	CE-F.6	Safety and Emergency Response	✓	Describe procedures to be followed in response to personnel injury DE: Have the mariner describe the actions to be taken in the event of a personnel injury. The actions should follow company policies or practices, standing orders, and regulatory requirements for casualty reporting. Have the mariner demonstrate these actions during a simulated personnel		Complete onboard		
F 1-G	Complete Onboard Tug	CE-F.7	Safety and Emergency Response	✓	Describe procedures to be followed In response to oil or hazardous substance spill DE: Have the mariner locate the vessel response plan or company procedures for response to an oil or hazardous substance spill. Have the mariner describe the regulatory requirements and company policies for reporting a spill and		Complete onboard		
F 2	Complete Onboard Tug	CE-F.8	Safety and Emergency Response	✓	Describe procedures to be followed In response to man overboard DE: Have the mariner describe the actions to be taken in the event of a man overboard situation. The actions should follow company policies or practices, and/or standing orders. Have the mariner demonstrate these actions during a simulated man overboard situation.		Complete onboard		
F 3	Complete Onboard Tug	CE-F.9	Safety and Emergency Response	✓	Conduct fire drill and instruction per 46 CFR 27.209 DE: Have the mariner describe the actions to be taken in the event of a fire. The actions should follow company policies or practices, standing orders, and regulatory requirements for casualty reporting. Have the mariner conduct a fire		Complete onboard		
F 4	Complete Onboard Tug	CE-F.10	Safety and Emergency Response	✓	Describe procedures for abandoning ship DE: Have the mariner describe vessel procedures for abandoning ship. Have the mariner demonstrate these actions in a simulated scenario (e.g.,		Complete onboard		
F 5	Complete Onboard Tug	CE-F.11	Safety and Emergency Response	✓	Describe procedures for use of general alarm DE: Have the mariner locate the general alarm and describe procedures for use and testing of the general alarm per		Complete onboard		
F 6	Complete Onboard Tug	CE-F.12	Safety and Emergency Response	✓	Describe procedures for use of all onboard safety equipment DE: Have the mariner draw a diagram locating all safety equipment aboard the vessel (e.g., personal protective equipment, first-aid or trauma kits, etc.) or conduct a tour indicating its location. Have the mariner briefly describe this		Complete onboard		
F 7	2019	NCO-F.14	Safety and Emergency Response		Conduct barge retrieval drill per 33 CFR 155.230 (b)(2)(iv) (if applicable) DE: Have the mariner describe the actions to be taken in the event of a barge adrift. The actions should follow regulatory requirements for casualty reporting, company policies or practices, captain's standing orders, and/or the mariner's training and experience. Have the mariner demonstrate these actions during a simulated barge adrift situation.		Complete onboard		
F 8	Complete Onboard Tug	NCO-F.15	Safety and Emergency Response		Conduct actual anchoring or drill per 33 CFR 155.230 (b)(1)(i11) (If applicable)		Complete onboard		
G 1-A	OICNW	CE-G.1	Environmental Protection	✓	Garbage DE: Have the mariner describe the regulatory requirements for disposal of garbage in the vessel's area of operation.		STCW endorsement as OICNW		
G 1-B	Complete Onboard Tug	CE-G.2	Environmental Protection	✓	Sewage/Marine Sanitation Device (MSD) DE: Have the mariner identify the type of marine sanitation device on board the vessel and describe its proper operation to ensure compliance with regulatory requirements.		STCW endorsement as OICNW		
G 1-C	Complete Onboard Tug	CE-G.3	Environmental Protection	✓	Bilge slops DE: Have the mariner describe the regulatory requirements and company policies or practices for disposal of oily bilges and documentation of such disposal		STCW endorsement as OICNW		
G 1-D	OICNW	CE-G.4	Environmental Protection	✓	Regulated waste DE: Have the mariner describe vessel procedures/practices for disposal of oily waste, used oil filters, and paint.		STCW endorsement as OICNW		
New Task	New Task	CE-G.5	Environmental Protection	✓	Discharges Incidental to Normal Operations — NPDES DE: Have the mariner describe vessel procedures/practices to minimize discharges incidental to normal operations.		Complete onboard		
New Task	New Task	NCO-D.13	MANEUVERING		Maneuver a tow underway- entering /exiting port DE: Have the mariner explain the critical operational procedures required for entering and exiting port while towing, especially those necessary in difficult weather conditions. Have the mariner explain how speed, tow wire length, wind, tide current, and sea conditions affect the transit. This explanation should include consideration of whether additional manpower is needed (e.g., to man the winch brake) and how underkeel clearance estimates in prevailing conditions might restrict the transit. Observe the mariner safely entering and exiting port taking into account these elements	Not needed for ATB	N/A		New task, not required for old TOARs completed before March 24, 2019

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New Task	New Task	NCO-D.16	MANEUVERING		Maneuver through bridge DE: Have the mariner explain the Rules of the Road for a meeting situation, including pertinent sound and light signals and radio communications. In an actual meeting situation, confirm that the mariner has complied with the Rules of the Road in a timely manner, taking into account prevailing circumstances and conditions.		STAR Center	Sim ex 3	New task, not required for old TOARs completed before March 24, 2019
New Task	New Task	NCO-F.13	Safety and Emergency Response		Tripping/Girding DE: Have the mariner describe the condition of tripping/girding and the actions to be taken to avoid or respond to such a situation. The mariner should give a thorough explanation of the dynamics involved, especially in adverse weather conditions. The mariner should describe the different handling characteristics of a loaded tow vs. light tow, the effect of trim, and how tow wire length affects control. In the case of tripping/girding at sea, the mariner should explain how direction and speed could alleviate the		STAR Center	Presentation 2	New task, not required for old TOARs completed before March 24, 2019
Old task D2 not equivalent to any new task but Sim Ex 3 complies with this new task	Sim ex 3	CE-D.6	MANEUVERING	✓	Maneuver tow in high wind DE: Have the mariner describe the effects of a crosswind on the vessel and tow and explain how to compensate for these effects in maneuvering the vessel. Have the mariner maintain a steady course and speed for at least 1 mile with a tow, in a crosswind of sufficient strength to affect the safe operation of the		STAR Center	Sim ex 3	
		CE-D.7	MANEUVERING	✓	Make tow	Not needed for ATB	STAR Center	Sim ex 1	
		CE-D.8	MANEUVERING	✓	Break tow	Not needed for ATB	STAR Center	Sim ex 1	