ANNUAL SMALL BOAT EVALUATION/SMALL BOAT EXAMINATION

Instructions

Annual Small Boat Evaluation (ASBE) is an inspection conducted by Vessel Operations Coordinator (VOC), Commanding Officer (CO), or designee(s). All boats shall be inspected annually.

- The ASBE checklist has been condensed from the detailed ASBE outline for use in the field. Evaluators shall use the checklists during the inspection, and shall refer to the outline for additional details as needed. Evaluators are responsible for all information contained within the ASBE outline.
- The ASBE outline and checklist are based on NAO 209-125, The NOAA Small Boat Standards and Procedures Manual (SBSPM), 46 CFR, 33 CFR, NFPA 302, MARPOL, ABYC standards and recommendations, United States Coast Guard (USCG) inspection criteria, and standard marine survey practices.

Small Boat Examination (SBEX) is an examination conducted by the Small Boat Program or a certified Marine Surveyor. Class A and I boats shall be examined every three (3) years and Class II boats shall be examined every two (2) years.

- Some items may not apply to all boats. Evaluators are responsible for determining applicability. Consult the SBSPM for equipment carriage requirements. Installed equipment in excess of requirements must be maintained to inspection standards.
- Completed evaluation checklists, reports, records of findings, and recommendations shall be signed by the evaluator or surveyor; signed and retained by the VOC with a copy forwarded to and signed by the Line Office Small Boat Officer (LOSBO). Completed evaluations shall be submitted to the NOAA Small Boat Program (SBP) Coordinator. Reports shall be generated when numerous or significant deficiencies are noted, and then forwarded to the SBP Inspection Coordinator via the SBP Coordinator.
- Submit reports through the SBP website: http://www.sbp.noaa.gov/resources/inspection.html.
- Contact the SBP Inspection Coordinator for additional guidance.

Inspection Type

☐ **Annual Small Boat Evaluation (ASBE)**	☐ **Small Boat Examination (SBEX)**

Vessel Information

NAME of VESSEL		VESSEL OWNER	
VESSEL PRIMARY OPERATING AREA		VESSEL MISSION / PRIMARY USE	
NOAA HULL REGISTRATION NUMBER	HULL MATERIAL		HULL TYPE
YEAR VESSEL BUILT	VESSEL MANUFACTURER		VESSEL MODEL
YEAR ENGINE(S) BUILT	ENGINE(S) MAKE		ENGINE(S) MODEL
TOTAL HORSEPOWER	FUEL TYPE	FUEL CAPACITY _____ Gallons	AC/DC POWER
LENGTH OVERALL (LOA) Feet _____ Inches _____	VESSEL BEAM Feet _____ Inches _____	VESSEL DRAFT Feet _____ Inches _____	VESSEL DISPLACEMENT _____ Gross Tonnage

Vessel Evaluation

EVALUATOR NAME	EVALUATION LOCATION	PRIOR EVALUATION DATE	EVALUATION DATE

Task 1 – Required Documentation		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
Class A, I, and II					
1.1	Records of previous inspections and examinations	☐	☐	☐	
1.2	Stability log **REQUIRED FOR ALL NOAA VESSELS** (Note any newly installed equipment and/or modifications)	☐	☐		

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Task 1 – Required Documentation (continued)			Satis-factory	Unsatis-factory	Not Applicable	**Comments**
1.3	Risk assessment	**REQUIRED FOR ALL NOAA VESSELS**	☐	☐		
1.4	Operator's manual	**REQUIRED FOR ALL NOAA VESSELS**	☐	☐		
1.5	Records of vessel drills	**REQUIRED FOR ALL NOAA VESSELS**	☐	☐		
1.6	Records of crew training	**REQUIRED FOR ALL NOAA VESSELS**	☐	☐		
1.7	Records of annual fire extinguisher servicing		☐	☐	☐	

Task 2 – Stability		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
Class A, I, and II					
2.1	Vessel operating in compliance with SBSPM Appendix F, "Small Boat Stability Standard"	☐	☐	☐	
2.2	Boat with capacity placards operating within labeled capacity	☐	☐	☐	

Task 3 – Life Saving and Emergency Equipment		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
Class A, I, and II					
3.1	Personal flotation devices (PFDs) (number, type, condition, spare carbon dioxide cartridges, re-arm kits)	☐	☐	☐	
3.2	Visual distress signals (number, type, condition, USCG approved)	☐	☐	☐	
3.3	First-Aid kits (adequate, all items within expiration date, properly stowed, labeled)	☐	☐	☐	
3.4	EPIRB/PEPIRB (registration, battery, hydro release, test)	☐	☐	☐	
3.5	Secondary means of communication as required: Cell/satellite phone (check battery, test, operate)	☐	☐	☐	
3.6	Emergency sound signal (condition, audible at 0.5 nm)	☐	☐	☐	
Class A and I only					
3.7	Emergency oars/paddles (condition)	☐	☐	☐	
Class I and II only					
3.8	Ring buoy/cushion (condition)	☐	☐	☐	

Task 4 – Fire Protection		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
Class A, I, and II					
4.1	Portable fire extinguishers (number, type, expiry, condition)	☐	☐	☐	
Class I and II only					
4.2	Fixed system (installed IAW Vessel Inspection Bulletin (VIB) 02-10, service report/expiry, condition, indicators,)	☐	☐	☐	
4.3	Backfire flame arrestor, drip pan (non-outboard gas engines)	☐	☐	☐	
4.4	Fire hazards minimized (excess combustibles removed, unnecessary flammables removed and stored ashore)	☐	☐	☐	
4.5	Integral fuel tank vents (condition, material, containment)	☐	☐	☐	
4.6	Ventilation (vent ducts, bilge blower, type, condition)	☐	☐	☐	

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Task 5 – Ventilation		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
Class II only					
5.1	Adequate in all interior spaces	☐	☐	☐	
5.2	Water tank and other non-fuel tank vents (condition)	☐	☐	☐	
5.3	Carbon monoxide detector installed in enclosed personnel spaces	☐	☐	☐	

Task 6 – Navigation and Electronic Equipment		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
Class A, I, and II					
6.1	Very high frequency (VHF) radio (number, type, DSC, test, battery)	☐	☐	☐	
6.2	Navigation lights (conform to current USCG Navigation Rules)	☐	☐	☐	
6.3	Global positioning system (GPS) (test operate, check accuracy)	☐	☐	☐	
Class I and II only					
6.4	Chart/charlet (covers operations area, current and corrected)	☐	☐	☐	
6.5	Magnetic compass (good working condition)	☐	☐	☐	
Class II only					
6.6	At least one fixed VHF radio has a Maritime Mobile Service Identity (MMSI) registration and integrated GPS	☐	☐	☐	

Task 7 – Ground Tackle		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
Class A, I (optional), **and II** (required)					
7.1	Anchor (anchor and rode condition, sufficient for operations)	☐	☐	☐	
7.2	Bits, chocks, cleats (not broken or corroded)	☐	☐	☐	
7.3	Releasing/retrieval equipment (condition, operable)	☐	☐	☐	
7.4	Windlass/winch operational test	☐	☐	☐	
7.5	Chain locker, hawse pipe, anchor platform (condition)	☐	☐	☐	

Task 8 – Hull, Deck, Fittings and Watertight Integrity		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
Class A, I, and II					
8.1	Scuppers, free ports (unobstructed, performance)	☐	☐	☐	
8.2	Interior structure (no corrosion, broken welds, or deformation)	☐	☐	☐	
8.3	Deck fittings and equipment (labeled with safe working load (SWL), condition)	☐	☐	☐	
8.4	Metal hulls (corrosion, pitting, deformation, fractures)	☐	☐	☐	
8.5	Rigid-hulled inflatable boats (RHIBs) (collar condition, chamber integrity)	☐	☐	☐	
8.6	Fiberglass hulls (delamination, blistering, moisture, cracks)	☐	☐	☐	

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Task 8 – Hull, Deck, Fittings and Watertight Integrity (cont.)		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
Class I and II only					
8.7	Hinged watertight doors (tight seal, gasket condition)	☐	☐	☐	
8.8	Watertight bulkheads (intact, watertight, penetrations)	☐	☐	☐	
8.9	Deck openings and thru-hulls (gasket and dog condition)	☐	☐	☐	
8.10	Windows (weather tight, operate freely, condition)	☐	☐	☐	
8.11	Keel bolts, transducers, grounding plate, stabilizers	☐	☐	☐	
Class II only					
8.12	Remote control valves (operable, labeled, condition)	☐	☐	☐	

Task 9 – Accommodation Spaces and Equipment		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
Class I and II only					
9.1	Heaters (thermal shut off, installation, condition)	☐	☐	☐	
9.2	Air Conditioning units (installation, condition, capacity)	☐	☐	☐	
Class II only					
9.3	Common and berthing spaces (condition, fire hazards, ventilation)	☐	☐	☐	
9.4	Food service areas (sanitary, locking devices, condition)	☐	☐	☐	

Task 10 – Marine Sanitation		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
Class A, I, and II (if installed)					
10.1	Toilet facilities (operable, sanitary)	☐	☐	☐	
10.2	Manufacturer's nameplate present on device	☐	☐	☐	
10.3	Instructions and warnings posted	☐	☐	☐	
10.4	Chemical and sewage level indicators (operable)	☐	☐	☐	
10.5	Verify loss of power does not allow discharge	☐	☐	☐	
10.6	Verify vents free and open	☐	☐	☐	
10.7	System components (installation, condition)	☐	☐	☐	

Task 11 – Outboard Engines		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
Class A, I, and II (if installed)					
11.1	General condition (damage, excessive oil, dirt, corrosion)	☐	☐	☐	
11.2	Belts and filters (condition, filters replaced annually, dated)	☐	☐	☐	
11.3	Oil (condition, level, test if needed)	☐	☐	☐	
11.4	Propeller/lower unit (general condition, damage)	☐	☐	☐	

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Task 11 – Outboard Engines (continued)		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
11.5	Engine horsepower within limits listed on capacity plate	☐	☐	☐	
11.6	Throttle has noticeable detent when shifted into neutral, start in gear protection, engine kill lanyards	☐	☐	☐	
11.7	Operational test (all gears and speeds)	☐	☐	☐	
11.8	Engine controls, gauges, indicators (function normally)	☐	☐	☐	

Task 12 – Inboard Engines		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
Class I and II (if installed)					
12.1	General condition (damage, excessive oil, dirt, corrosion)	☐	☐	☐	
12.2	Belts and filters (condition, filters replaced annually, dated)	☐	☐	☐	
12.3	Engine oil (condition, level, test if needed)	☐	☐	☐	
12.4	Hydraulic oil (condition, level, test if needed)	☐	☐	☐	
12.5	Cooling system (piping, hoses, strainers, filters, clamps)	☐	☐	☐	
12.6	Coolant (condition, level, mixture, test if needed)	☐	☐	☐	
12.7	Exhaust system (piping, lagging, leaks, corrosion, proximity to combustibles)	☐	☐	☐	
12.8	Fuel piping, hoses and fittings (leaks, chafing, condition)	☐	☐	☐	
12.9	Engine foundation (fatigue, stress fractures, flexing)	☐	☐	☐	
12.10	Intakes and vents (unobstructed, clean, screened)	☐	☐	☐	
12.11	Machinery guards (installed over exposed gears, belts or other rotating machinery)	☐	☐	☐	
12.12	Starter wiring (supported, chafing, proximity to moving parts, positive terminals/connections booted)	☐	☐	☐	
12.13	Seacocks and strainers (unobstructed, operable)	☐	☐	☐	
12.14	Transmission fluid (level, condition)	☐	☐	☐	
12.15	Controls and indicators (operate normally, condition)	☐	☐	☐	
12.16	Remote fuel shut off valves (test operate, condition)	☐	☐	☐	
12.17	Emergency shutdown (test operate)	☐	☐	☐	
If boat is Inboard/Outboard (including jets)					
12.18	Propeller, lower unit, boot or jet drive, bucket(s) (condition, damage)	☐	☐	☐	
If boat is straight inboard					
12.19	Propulsion shaft (cracks, wear, seals/stuffing box)	☐	☐	☐	
All inboard engine boats					
12.20	Operational test (all gears and speeds)	☐	☐	☐	

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Task 13 – Fuel System		Satis-factory	Unsatis-factory	Not Applicable	Comments
Class A, I, and II					
13.1	Tanks, piping, hose, fittings, supports (type, condition)	☐	☐	☐	
13.2	Flexible non-metallic hoses (approved type, double clamped on fuel fill hoses, IAW ABYC H-24, H-32)	☐	☐	☐	
13.3	Fuel gauging (appropriate method, gauge, graduated ruler)	☐	☐	☐	
13.4	Vents and valves (unobstructed, operate properly)	☐	☐	☐	
13.5	Filters (replaced at least annually, dated)	☐	☐	☐	
13.6	All tanks and pipes bonded to common ground (integral tanks)	☐	☐	☐	

Task 14 – Steering System		Satis-factory	Unsatis-factory	Not Applicable	Comments
Class A, I, and II					
14.1	Foundations/mounting bolts (condition, intact, secure)	☐	☐	☐	
14.2	Control linkages, linkage pins, ram guides (condition)	☐	☐	☐	
14.3	Potential single point system failure items (condition)	☐	☐	☐	
14.4	Locking devices (e.g., cotter pins) on all vital connections	☐	☐	☐	
Class I and II only					
14.5	Pipes, runs, and brackets subject to vibration damage	☐	☐	☐	
Class II only					
14.6	Emergency steering (diagrams posted, test operate)	☐	☐	☐	
14.7	Rudder (stock, bearing, support, packing, wear, leakage)	☐	☐	☐	
14.8	Motor controller and gear boxes (wiring, condition)	☐	☐	☐	
14.9	Pumps, motors, and couplings (condition, excess play)	☐	☐	☐	
14.10	Hydraulics (hoses, connections, reservoir full)	☐	☐	☐	

Task 15 – Bilge System		Satis-factory	Unsatis-factory	Not Applicable	Comments
Class I and II only					
15.1	All standing water drains to bilge suction pipes	☐	☐	☐	
15.2	Strainers (good condition, unobstructed)	☐	☐	☐	
15.3	Bilge pumps installed in bilges with thru-hull openings below the waterline or compartments with non-watertight decks	☐	☐	☐	
15.4	Bilge pumps installed in accordance with ABYC H-22	☐	☐	☐	
15.5	Remote valve/pump actuators (test operate, condition)	☐	☐	☐	
15.6	Oily water separator filter (dated, changed at least annually)	☐	☐	☐	

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Task 15 – Bilge System (continued)		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
15.7	Bilge level alarms, float switches (test operate, unobstructed)	☐	☐	☐	
15.8	Bilge blower (test operate, condition)	☐	☐	☐	
Class II only					
15.9	Independent valves for each watertight compartment	☐	☐	☐	

Task 16 – Potable Water System		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
16.1	Entire system operable and in good repair	☐	☐	☐	
16.2	Filling hose (designated, labeled, storage)	☐	☐	☐	
16.3	Vents (screened, not near contaminants, unobstructed)	☐	☐	☐	
16.4	Tanks (designated, clearly marked, maximum allowable water pressure not exceeded)	☐	☐	☐	
16.5	Pressure system (pump, air fittings, condition)	☐	☐	☐	
16.6	Housekeeping around all components is adequate	☐	☐	☐	

Task 17 – Electrical System		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
Class A, I, and II					
17.1	Cables and wires (damage, condition, discoloration)	☐	☐	☐	
17.2	Cable and wire supports (condition, do not cause chafing)	☐	☐	☐	
17.3	No permanent “temporary” solutions (e.g., extension cords)	☐	☐	☐	
17.4	Shore power connection and cable (condition, damage)	☐	☐	☐	
17.5	Switchboards, junction boxes, panels, and inverters	☐	☐	☐	
17.6	Switches, breakers, and fuses (labeled, condition)	☐	☐	☐	
17.7	Over current devices accurately identified	☐	☐	☐	
17.8	Distribution points (ventilated, shielded from water and debris)	☐	☐	☐	
17.9	Instrumentation (meters) (working, calibrated)	☐	☐	☐	
17.10	Controls and meters (working, accurately labeled)	☐	☐	☐	
17.11	Batteries (condition, damage, corrosion, ventilated)	☐	☐	☐	
17.12	Battery terminals (connections secure, covered, type)	☐	☐	☐	
17.13	Battery trays (resistant to electrolyte, condition)	☐	☐	☐	
17.14	Ventilation (sufficient to dissipate charging gases)	☐	☐	☐	
17.15	Charging system components (examine inverter)	☐	☐	☐	

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Task 17 – Electrical System (continued)		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
Class I and II only					
17.16	Drip shields (present, good condition)	☐	☐	☐	
17.17	Lighting system (each light is protected by a guard)	☐	☐	☐	
17.18	Outlets (properly grounded and covered/watertight)	☐	☐	☐	

Task 18 – Generator		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
Class A, I, and II					
18.1	General condition (damage, excessive oil, dirt, corrosion)	☐	☐	☐	
18.2	Belts and filters (condition, filters replaced annually, dated)	☐	☐	☐	
18.3	Exhaust system (piping, lagging, leaks, corrosion)	☐	☐	☐	
18.4	Compartment adequately ventilated, dry as possible	☐	☐	☐	
18.5	Oil (condition, level, test if needed)	☐	☐	☐	
18.6	Cooling system (coolant level, coolant mix, piping, gaskets)	☐	☐	☐	
18.7	Voltmeter, ammeter (if ≥ 50 volts, verify operation)	☐	☐	☐	
18.8	Frequency measuring device (verify operation)	☐	☐	☐	
18.9	Over current protection device set at <115% full load	☐	☐	☐	

Task 19 – Markings		Satis-factory	Unsatis-factory	Not Applicable	**Comments**
Class A, I, and II					
19.1	Boat is marked in accordance with SBSPM Section 14, Appendix O	☐	☐	☐	

Task 20 – Validation			
20.1	EVALUATOR NAME	SIGNATURE	DATE
20.2	VOC/CO NAME	SIGNATURE	DATE
20.3	LOSBO NAME	SIGNATURE	DATE

Comments: List all Category 1 deficiencies in the space below using the VIB 01-10 as a reference.

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Additional Comments: List all Category 1 deficiencies in the space below using the VIB 01-10 as a reference.

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