

Small Boat Handler Bar

Req No	Description	Reference #	page #	SSM page #	Rank	SPAR Requirement as noted and Additional Seamanship Requirements	Requirement Completed	
							Date	Signed by :
Section 1 : Aids to Navigation and Rules of the Road								
1	Introduction to ATONS	A2NS 1		181-187	Ab 9d	What are Aids to Navigation (ATONS) used to do?		
2	Buoyage system	A2NS 9, 10, 11		181-185	Ab 9d	What are the essential markers?		
3	Chart symbols and letter designations	A2NS 7, 8, 17, 18, 21, 22	Appendix 233-235		Ab 9e	Describe aids to navigation chart symbols for buoys, lights, daymarks and ranges.		
4	Primary shapes of buoys	A2NS 6, 9		182-184	Ab 9d	Describe the three primary shapes of buoys. How are they colored and numbered?		
5	Obstruction, mid-channel and special types of buoys	A2NS 11 to 13, 15, 16		184	Ab 9d-e	Describe the shape, color and numbering of obstruction, mid-channel and special types of buoys		
6	Beacons and daybeacons	A2NS 10 to 16		183-184	Ab 9e	Describe shape, color and numbering of beacons and daybeacons.		
7	Ranges and range markers	A2NS 13, 14				What are range markers? How are they used?		
8	Intracoastal waterways, lakes and rivers	A2NS 25		186		Describe the intracoastal buoys and their numbering system		
9	Class Project - Develop buoy recognition game using flashcards.							
10	Reasons for Rules of the Road	A2NS 2 BG2FR 36 to 38		173-180	O 9a-f	Why are there Rules of the Road? What do they cover?		
11	The danger zone			175	O 9d	What is the danger zone for a vessel? How is it determined?		
12	Windward and leeward clearances			138	O 9c	What are the sailboat rules when they are running free and on the same tack?		
13	Stand-on and give-way vessels	A2NS 3 to 5 BG2FR 36 to 38		176-177	O 9c	Describe stand-on and give-way vessels for these situations : meeting, crossing, overtaking, and passing to starboard or to port.		
14	Sailboat right of way			177	O 9 c,d	What are the right-of-way rules for sailboats?		
15	Sailboat rules			138, 175-177	O 9c,d	What are the rules for sailboats in relation to each other?		
16	Lights required on boats	A2NS 19, 20 BG2FR 27 to 30		178	O 9e, Ab 9b	Describe navigation lights for sail, power (various types) and rowboats		
17	Emergency lights			178	Ab 9c	What types of emergency lights should be carried aboard any length of vessel?		
18	Sound signals	BG2FR 25, 26		87, 179-180	O 9f	Describe sound signals for warning, maneuvering, restricted visibility to starboard or to port		
19	Safety equipment	BG2FR "centerfold"		79	O 5b	What safety equipment is required by law for various types of vessels? What other safety equipment may be appropriate? What is appropriate for your ship's boat ?		
20	Visual signaling devices	BG2FR "centerfold"		79-81	Ap 5b, O5b	What visual signaling devices are required aboard various types of vessels?		

Codings : Ap - Apprentice, O - Ordinary, Ab - Able, Q - Quartermaster, -p = Partial; SSM-Sea Scout Manual
References : A2NS = U.S. Aids to Navigation System, USCG, <https://www.uscgboating.org/ATON/index.html>

BG2FR = A Boater's Guide to the Federal Requirements for Recreational Boaters, USCG, <http://www.uscgboating.org/images/420.PDF>

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Section 2 : Boating Safety								
1	Boating safety and first aid			98-102, 159-162	Ap 5d	Discuss prevention or cure on the water.. What's needed if injured?		
2	Checking the hull							
3	Motor size compared to the boat size					How is the appropriate size of the motor determined for a boat?		
4	Fueling - dangers, precautions and procedures	BG2FR 67		82		Know and discuss proper boat fueling procedures.		
5	Loading a small boat	BG2FR 58		104		How should a boat be loaded with passengers and equipment?		
6	When not to go out	BG2FR 68, 69		209	O 13	How do you decide if it is safe to go out? What signs should you watch?		
7	Operating	BG2FR 55		137, 141-142		What should you know and do as a responsible boat operator?		
8	Distress signals	BG2FR 17 to 20		80-81	Ap 5b	What visual distress signals (VDS) are used at night? What VDS are used during daylight?		
9	Equipment needed in fog.			78-79	O 5b	Describe what to do if caught in heavy fog.		
10	Equipment - anchors, line, signaling, first aid kit	BG2FR 52, 53		80	Ab 5a	What additional equipment (besides that required by law) is recommended by the U.S. Coast Guard?		
11	Project - Have class develop a checklist	BG2FR 70 - 72				Develop a checklist appropriate to be used before getting underway for the boat your ship uses.		
12	Seamanship - Review sea terms			259-264				
13	Knots - tie Apprentice Knots			110-115	Ap 6	Be able to tie the following knots and hitches quickly and correctly : overhand, square, sheet bend, bowline, clove hitch, two half-hitches, cleat hitch. Discuss their use aboard the boat used by your Ship.		
14	Class project - prepare to cruise					Demonstrate on an actual boat the checklist and procedures covered in items 1-12 in Section 2: Boating Safety		
15	Types and use of anchors	BG2FR 59, 60		164-165	O 8b,c	are used : yachtman's, navy, danforth, northhill, mushroom and		
16	Wind and current			141-145, 167	Q 7a, Q 8b	Describe how wind and current affect operation & docking.		
17	Demonstrate boat handling 2016 Requirement				O 7b	Complete one of the boat handling demonstrations described in the Small Boat Handler requirements.		

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Updated to include the 2016 addition of the boat handling demonstration of skills