

Qualified Seaman Bar

Req No	Description	SSM page #	Rank Page Reference	SPAR Requirement as noted and Additional Seamanship Requirements	Requirement Completed	
					Date	Signed by :
Section 1 : Aids to Navigation						
1.1	Aids to navigation	181-186, 233	Ab9d	Explain system of aids to navigation in your area		
1.2	Buoyage system	182-186, 233	Ab 9d	Describe the lateral system of buoys		
1.3	Use of various buoys	182-186, 233	Ab 9d	Describe shape, color and use of buoys		
1.4	Storm Warnings - Publications and Charts	209	Q11b	Describe NOAA weather radio and online.		
1.5	Storm Warnings - Other	194		Describe NWS warning flags, Lights, and Beaufort Wind Force Scale		
1.6	Daymarks on vessels	179	Ab9c	Describe day shapes on vessels		
1.7	Dredges, moored vessels and towing	178, 237	Ab9b	Describe vessel lights for all boats		
1.8	Daymarks, beacons, minor lights, and ranges	182-184	Ab9d,e	Describe aids to navigation, chart symbols for buoys, lights, daymarks		
1.9	Intracoastal waterway markings, buoys, aids to navigation	186	Ab 9d	Describe the intracoastal buoys and their numbering system		
1.10	Lightships and lighthouses	181-182	Ab 9d	Demonstrate how to identify a lighthouse using the US Gov't Light List Pub.		
1.11	Radio Beacons			Obsolete		
1.12	Gov't. Pubs. - Tide tables, Notice to Mariners, etc.	202	Ab 10g	Describe how to use a tide table and explain Notice to Mariners		
Section 2 : Rules of the Road						
2.1	Purpose of Rules of the Road	173	Or 9a, Ab 9a	Describe Navigation Rules - International and Inland		
2.2	Danger zone, right of way	175	O 9c	Describe stand-on and give-way vessels : meeting, crossing, passing to stbd. or to port.		
2.3	Sound signals	179	O 9f	Describe sound signals for warning, maneuvering, restricted visibility to stbd. or to port		
2.4	Lights	177-178	O 9e, Ab 9 b,c	Describe navigation lights for sail, power (various types) and rowboats		
2.5	Orders to the helmsman	68, 221	O 11e	Demonstrate use of Sea Scout helm commands		
Section 3 : Seamanship						
3.1	Lookout	220	O 11b	Explain lookout duties : reporting objects & wind directions with relative bearings.		
3.2	Bearings, reporting	220	O 11c	Perform lookout duties demonstrating reporting objects and wind directions with relative bearings		
3.3	Taking soundings	208		Take an electronic sounding or use a lead line to take a sounding		
3.4	Marlinspike seamanship	110-115, 117-	Ap 6/O 6b	Tie the 16 Apprentice and Ordinary knots. Make short and eye splices in 3 stranded line.		
3.5	Types and use of anchors	163-165	O 8a,b	Name parts of and use for five different types of anchors		
Section 4 : Safety						
4.1	Necessary equipment	79-80	O 5b	Describe safety equipment required by law for your boat		
4.2	Hazards	72	O 5a	Complete the BSA Safety Afloat course and discuss the nine Safety Afloat standards		
4.3	Hull inspections	80	Ab 5a	Demonstrate how to check for water in the bilge and explain ways to remove it.		
4.4	Firefighting	82	Ab 5d	Safely extinguish a fire under adult supervision		
4.5	Proper Fueling	82	Ab 5c, d	Demonstrate proper boat fueling procedures		
4.6	Life jackets	Ap 5a	Ap 5a	Describe five types of life jackets, demonstrate their use and care		
4.7	Charts	189-192	Or 10a	Plot latitude, longitude and read scale and features on a chart.		
4.8	Weather	209-210	Or 13	Demonstrate getting weather info using the VHF radio aboard your vessel		

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4.9	Man overboard drill	85	O 5d	Plan and demonstrate a man overboard drill		
4.10	Grounding	87		Tell how to avoid grounding and explain actions to be taken if aground.		
4.11	First Aid		Ab 5f,g	Obtain a Standard First Aid and CPR Certificate from a Certified Agency		
Section 5 : Piloting						
5.1	Compass - describe and use	192-193	O 10b	Describe compass bearing directions : Show true, magnetic and compass bearings on a chart using deviation and variation calculation		
5.2	Compass boxing			Describe the 32 points of a compass by name and degrees		
5.3	Operation by visual aids	202	Ab 10c	Demonstrate how to fix your position by taking bearings from two fixed objects		
5.4	Working a course	198-201	O 10f	Lay out a course of three legs and execute it using dead reckoning		
Section 6 : Charts						
6.1	Definition of charts	189-191	O 10a	Demonstrate finding your position from coordinates and find the position of five aids to navigation on a chart.		
6.2	Orientation and dividers	200		Use dividers to determine distances on a nautical chart		
6.3	Chart symbols	191	O 10a	Using a nautical chart, describe the identifiable landmarks along a course		
6.4	Speed, distance, time	198		Use $60D = S X T$ to find ETA, speed for specified ETA, and distance traveled		
Section 7 : Safe Boating						
7.1	Operations	127-129	Ap 7a, O 7a	Describe parts of all boats, unique parts of a sailboat, and six types of sailboats		
7.2	Principles of sailing	133-137		Describe points of sail, tacking, jibing, and running		
7.3	Powerboat operations	139-145		Describe five types of small power boats, how steering is affected by the propeller direction of rotation and location.		
Section 8 : Operation of a Boat						
8.1a	Safety checklist	79	Or 5a	Develop and use customized vessel safety checklist		
8.1b	Emergency procedures	84-91	O 5d	Describe and practice man overboard, fire, and abandon ship drills		
8.1c	Handling lines	142	Ab 7b	Explain name and function of dock lines and demonstrate their use		
8.1d	Correct anchoring	168-170	O 8d; Q 8a,c	Teach Ordinary and Able anchoring requirements and direct a correct anchor setting and weighing		
8.1e	Use a chart to lay out a course	198-201	Ab10b	Layout a course of three legs and execute the course		
8.1f	Operate and dock a boat in a correct manner	141	Ab 7b	Execute docking commands used for handling the lines		

Codings : SSM = Sea Scout Manual

Ap = Apprentice, Ab= Able

O = Ordinary Q = Quartermaster