SEA STATE

The sea state will be assessed against NATO STANAG 4149 Table F-1.

TABLE F-1 - NATO SEA STATE NUMERAL TABLE FOR THE OPEN OCEAN NORTH ATLANTIC

	Significant	Wave	Sustained		Percentage	Modal Wave	Period (sec)
Sea State	Height (Speed (K	nots)*	Probability	Range**	Most
Number	Range	Mean	Range	Meen	of Sea State	Hange-*	Probable**
0-1	0-0.1	0.05	0-6	0.5	0	-	-
2	0.1 - 0.5	0.3	7 - 10	3.5	7.2	3.3 - 12.8	6.5
3	0.5 - 1.25	0.88	11 - 16	8.5	22.4	5.0 - 14.8	7.5
	1.25 - 2.5	1.88	17 - 21	19	28.7	6.1 - 15.2	8.8
5	2.5 - 4	3.25	22 - 27	24.5	15.5	8.3 - 15.5	9.7
6	4-6	5	28 - 47	37.5	18.7	9.8 - 16.2	12.4
7	6-9	7.5	48 - 55	51.5	6.1	11.8 - 18.5	15.0
8	9-14	11.5	56 - 63	59.5	1.2	14.2 - 18.6	16.4
>8	>14	>14	>63	>63	<0.05	15.7 - 23.7	20.0

*Ambient wind sustained at 19.5 m above surface to generate fully-developed sees. To convert to another altitude, H₂, apply V₂ = V₁ (H₂/19.5)^{1/7}

**Minimum is 5 percentile and maximum is 95 percentile for periods given wave height range.

***Based on periods associated with central frequencies included in Hindcast Climatology.

BRd6600 - Royal Marines Landing Craft & Small Boat Operations Table 4-3, usefully adds descriptive terms to the sea state figures.

Table 4-3.	Maritime	Forecast	Sea	State Code
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STATE OF SEA CODE	DESCRIPTIVE TERMS	METRES	HEIGHT* FEET (APPROX)	
0 1 2 3 4 5 5 6 6 7 8 9	CALM (GLASSY) CALM (RIPPLED) SMOOTH (WAVELETS) SLIGHT MODERATE ROUGH VERY ROUGH HIGH VERY HIGH PHENOMENAL	0 0-0.1 0.1-0.5 0.5-1.25 1.25-2.5 2.564 4-6 6-9 9-14 OVER 14	0 0-1/3 1/3-12/3 12/3-4 4-8 8-13 13-20 20-30 30-45 OVER 45	* The average wave height as obtained from the larger well formed wave of the wave system being observed. Note. The exact bounding height is to be assigned to the lower code figure e.g a height of 4 metres is coded as 5.

HARBOUR ACCEPTANCE TRIAL

HARBOUR ACCEP	TANCE TRIAL	
The craft Harbour Ac	cceptance Trial must be conducted iaw the craft's BR p g lists highlights relevant areas to check.	re-sailing
Hull.	Visual inspection. Check for any sign of damage.	Yes 🗆 / No 🗆
Collar.	Visual inspection. Check the collar is not damaged and secure to the hull. For RIB floatation collars check it is evenly inflated.	Yes 🗆 / No 🗆
Deck.	Visual inspection. Check for damage. Ensure deck is clear and miscellaneous items are stowed away.	Yes 🗆 / No 🗆
Lifting points.	Visual inspection. Check for damage.	Yes 🗆 / No 🗆
Consoles.	Visual inspection. Check console secure to deck and free from damage.	Yes 🗆 / No 🗆
Seating.	Visual inspection. Check seats are securely fixed to the deck. Check condition of foot straps where fitted.	Yes 🗆 / No 🗆
Hatches.	Visual and functional inspection. Check they are functional and are secure.	Yes 🗆 / No 🗆
Fire Fighting.	Visual inspection. Check fire alarm system is undamaged and operational. Check fixed and portable fire extinguishers are in date and undamaged.	Yes 🗆 / No 🗆
Bilges.	Visual inspection. Confirm areas clean and free from debris and liquid.	Yes 🗆 / No 🗆
Bilge System.	Visual and functional checks iaw BR.	Yes 🗆 / No 🗆
Fuel and oil systems.	Visual inspection and functional checks iaw BR. Confirm hose fittings and pipework secure. Check for contamination in tanks and filters. Confirm fuel volume carried meets requirement for the trial.	Yes 🗆 / No 🗆
Engines & Gearbox.	Visual inspection and functional checks iaw BR. Confirm in good condition, equipment is secure, and oils topped up as required.	Yes 🗆 / No 🗆
Engine controls and instrumentation.	Visual inspection and functional checks iaw BR. Confirm correct operation of the controls.	Yes 🗆 / No 🗆
Steering.	Visual inspection and functional checks iaw BR. Check that the steering is unobstructed and free to move from hard over port to hard over starboard.	Yes 🗆 / No 🗆
Electrical System.	Visual inspection. Ensure all cabling correctly secured and terminated.	Yes 🗆 / No 🗆
Batteries.	Visual inspection. Check for any signs of damage and lose terminals. Confirm batteries are securely tied down.	Yes 🗆 / No 🗆
Navigation lights.	Visual and function inspection. Check for damage and confirm all functioning correctly.	Yes 🗆 / No 🗆
Compass.	Confirm compass swings completed, deviation card provided.	Yes 🗆 / No 🗆
Navigation system.	Visual inspection and functional checks. Confirm latest charts loaded on chart plotters.	Yes 🗆 / No 🗆

Communications - External	Visual inspection and functional checks of fixed and portable communication equipment. Confirm operating channels and power settings for intended transmission range.	Yes 🗆 / No 🗆
Communications - Internal.	Visual inspection and functional checks of internal communication system.	Yes 🗆 / No 🗆
Mast and antennas.	Visual inspection. Check for damage to mast and antennas. Confirm all antennas secured.	Yes 🗆 / No 🗆

MISCELLANEOUS EQUIPMENT

The craft iaw its relevant BR must carry emergency and repair equipment. The following list highlights the equipment that should be carried. Confirmation of the full list must be made with reference to the craft BR.

Fire extinguishers x2.	Yes 🗆 / No 🗆
Paddles.	Yes 🗆 / No 🗆
Inflation bellows.	Yes 🗆 / No 🗆
Sea anchor and warp.	Yes 🗆 / No 🗆
Hand-held searchlight/signalling lantern.	Yes 🗆 / No 🗆
Compass.	Yes 🗆 / No 🗆
Mooring warps.	Yes 🗆 / No 🗆
Collar repair kit.	Yes 🗆 / No 🗆
Bilge pump handle.	Yes 🗆 / No 🗆
Emergency steering tiller.	Yes 🗆 / No 🗆
Emergency inflation bladders (2 off).	Yes 🗆 / No 🗆
Rescue throwing lines (2 off).	Yes 🗆 / No 🗆
Lanyard for Deadman's Switch.	Yes 🗆 / No 🗖
Radar reflector.	Yes 🗆 / No 🗆
First aid kit in waterproof case (must reseal after use)	Yes 🗆 / No 🗆
Rescue flares	Yes 🗆 / No 🗆

LIFE JACKETS, PPE AND SAFETY	
Confirm the following:	
Life Jackets. (Confirm all PAX are supplied and wearing appropriate size, type and in-service dated maintained life jackets)	Yes 🗆 / No 🗆
PPE. (Confirm all PAX are aware of the environmental conditions of the trial and wearing appropriate PPE ie Eye protection, & clothing appropriate for weather conditions)	Yes 🗆 / No 🗆
Safety Brief. (Confirm all PAX are briefed on the trial conduct and personal safety (WBV) guidance.)	Yes 🗆 / No 🗆

PAX ON BOARD	on and details held at the trials has
A nominal of those on board the trials craft is to be take	en and details held at the thais hos
base.	
Role	Names
Coxswain:	
Second Coxswain/Crew:	
MOD/PDH representative:	
Contractor support representative / engineer:	
Visitors:	

SEA ACCEPTANCE TRIAL

,	Survey and Trial form 2A	S		· · · ·	Sp	eed Tria	al			V 1.0 16/10/	23
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-	Trials Lo	cation:									
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