



Department of Marine & Ports Services  
(Note: all sheets form part of the RFP)

ANNEX C

**Two 500-Passenger Fast Ferry Specifications**

The detailed technical evaluation will examine the technical specification of the items offered and determine whether this meets the minimum specification. Proponents must complete this form, or the bid will be rejected. Proponents are required to include technical literature [where appropriate] to support the details provided.

ITEM	Descriptions/compliance with specifications offered	Y	N	Deviation from specification Comments
1	<u>General Arrangements for 2 - 500 Passenger Ferries</u> 1) Design should accommodate the fastest possible passenger flow when embarking, forward stairway(s) to upper tier 2 to be exterior from the interior from the main cabin. Upper stairway should have remote gateway to prevent passengers from using when docking vessel. 2) Sufficient public restrooms (at least one wheelchair assessable) on tier 1 deck. Show areas for electric size wheelchairs in the main cabin. 3) Access door STBD/Port for crew line/fenders handing between amidships and forward shoulders on tier 1 deck. 4) Refueling and water stations are to be located on the foredeck. 5) Luggage storage rack(s) forward tier 1 6) Small food service kiosk in the main cabin 7) Racks for approx. 6 Motorcycles storage forward deck 8) Provide optional cost for air curtains and main cabin doors			
2	<u>General Dimensions</u> 1) All aluminum constructed Catamaran hull (third tier if required) 2) Estimated waterline length 36m 3) Maximum beam (including rub rails/fenders) 9.7m 4) Estimated draft 1.8m			
3	<u>General Main Drivetrain</u> 1) Option A - Engines 2x Cat 3512c 2) Option B - Engines 2x MTU 4000 series 3) Gearboxes 2x ZF 4) Fixed Propellers (shaft with skeg preferred) 5) Norscot dripless shaft seals 6) Engine room ventilation to be forced supplied and naturally exhausted, solenoids to operate fire flaps Delta T round dampers or similar. 7) Minimum service speed 28kts 8) Provide optional cost for the installation of a bow thruster. 9) Exhaust water-cooled			
4	<u>Generators/Electrical</u> 1) Option A - 2x Cat - full vessel service with one unit 2) Option B - 2x Northern Lights - full vessel service with one unit 3) AC voltage - 120/208V 60Hz, shore-power 208V 3 phase 100amp 4) DC voltage 27.5/24V, 2 wires insulated from earth			

5	<u>Safety Provisions</u> <ol style="list-style-type: none"> <li>1. Minimum 506 adult personal flotation devices (PFD)</li> <li>2. Minimum 10 infant personal flotation devices (PFD)</li> <li>3. Minimum 40 child personal flotation devices (PFD)</li> <li>4. No PFD's stored under external seating.</li> <li>5. Maximize internal PFD storage.</li> <li>6. Four (4) 100 person Viking inflatable rafts</li> <li>7. Two (2) 19/22 hard shell life rafts</li> <li>8. Jason's cradle (MOB) to be deployed from the foredeck</li> </ol>			
6	<u>Fire Suppression</u> <ol style="list-style-type: none"> <li>1. Bilge manifold system with an electric pump that pumps the bilges and feeds the fire system. The system should be able to cross over between pontoons.</li> <li>2. Fire suppression FM200 (currently in use in the current fleet)</li> <li>3. Consideration for the new release stat-x (Class approved aerosol system) - optional</li> </ol>			
7	<u>Passenger Seating</u> <ol style="list-style-type: none"> <li>1. Minimum 500 seats all seated.</li> <li>2. BEURTEAUX preferred.</li> <li>3. Exterior seating The CAFÉ (Non-powder coated)</li> <li>4. Interior seating TOURIST CTC (low back with armrest)</li> </ol>			
8	<u>Superstructure and draft marks</u> <ol style="list-style-type: none"> <li>1. Aluminum resilient mounted (reduce noise and vibration)</li> <li>2. Draft marks in meters</li> </ol>			
9	<u>Vessel Paintwork</u> <ol style="list-style-type: none"> <li>1. international paint</li> <li>2. Minimum exterior paint only in areas visible to the outside</li> <li>3. Clean aluminum surfaces such as deck-heads, topside/bulkheads under bulwarks and exterior decks</li> <li>4. Etched exterior decks such as sandblasted or other (open to recommendations)</li> </ol>			
10	<u>Window</u> <ol style="list-style-type: none"> <li>1. Bonded with options for clamp ring framed (tinted)</li> <li>2. Sliding windows wheelhouse wing stations</li> </ol>			
11	<u>Doors/Hatches</u> <ol style="list-style-type: none"> <li>1. Freeman Marine</li> <li>2. Engine hatches over mains/generators for engine removal to be external and not in main cabin.</li> <li>3. Standing headroom in engine room preferred</li> </ol>			
12	<u>Interior</u> <ol style="list-style-type: none"> <li>1. Dampa ceiling tiles or similar to be sourced from the USA.</li> <li>2. Walkways AMTICO vinyl or similar in aisles</li> <li>3. Carpet under seats</li> </ol>			
13	<u>Wheelhouse</u> <ol style="list-style-type: none"> <li>1. Crew restroom and small food prep area (microwave, under counter fridge and dish sink) to be fixed near the wheelhouse.</li> <li>2. Helm seat center lined NORSAP 1500 Series</li> <li>3. Helm seat second offset from center line NORSAP</li> <li>4. Throttle Controls Wing STBD/Port</li> <li>5. Captain must have a clear view from the helm seat (centerline) of at least 1m of bow deck.</li> <li>6. Internal crew communications</li> <li>7. Loud Hailer horn two-way (forward, aft, upper decks) Binoculars</li> <li>8. Windshield wipers</li> </ol>			
14	<u>Navigation</u> <ol style="list-style-type: none"> <li>1) Simrad Radar/GPS chart Network</li> <li>2) Compass,</li> </ol>			

	<ul style="list-style-type: none"> <li>3) 2 VHF radios</li> <li>4) A Class AIS</li> <li>5) Search light remote</li> </ul>			
15	<u>Embarkation/Disembarkation</u> <ul style="list-style-type: none"> <li>1) Bow loading (main use)</li> <li>2) Side loading</li> </ul>			
16	<u>Ferry Landing</u> <ul style="list-style-type: none"> <li>1) 7.8m bow fit</li> <li>2) 2.3m landing dock freeboard</li> <li>3) 2.75m forward gate opening minimum</li> </ul>			
17	<u>Air Conditioning</u> <ul style="list-style-type: none"> <li>1) Cabin spaces split system Air to Air</li> <li>2) Systems and parts that can be sourced from the USA</li> </ul>			
18	<u>Heating</u> <ul style="list-style-type: none"> <li>1) Front defroster for wheelhouse windows</li> </ul>			
19	<u>Anchoring</u> <ul style="list-style-type: none"> <li>1) Fortress anchor (mounted on forward rail)</li> <li>2) Lewmar vertical winless</li> </ul>			
20	<u>Lighting</u> <ul style="list-style-type: none"> <li>1) 100% LEDs</li> <li>2) Docking Lights mounted on the forward railing.</li> <li>3) Floodlights at boarding areas</li> </ul>			
21	<u>Certifications</u> <ul style="list-style-type: none"> <li>1) 100A1 SSC Passenger, Catamaran, HSC, G2, Bermuda Coastal Service</li> <li>2) USCG 46 CFR, Subchapter K, SFP requirements where allowed as/or equivalent to Lloyd's and Bermuda Flag requirements.</li> <li>3) Intact stability requirements per USCG, 46 CFR, as applicable to sub-chapter K vessels.</li> </ul>			
22	<u>Liquid storage tanks</u> <ul style="list-style-type: none"> <li>1) Fuel tank separate aluminum</li> <li>2) Water tank storage PVC or similar</li> <li>3) Sewage tank PVC or similar</li> </ul>			
23	<u>Video Surveillance/Entertainment</u> <ul style="list-style-type: none"> <li>1. CCTV system 8HD low light IR weatherproof cameras, 2 terra byte NVR video recorder camera switcher</li> <li>2. NVR in a locked enclosure, data access password protected.</li> <li>3. 17-inch camera monitor</li> <li>4. Internet access capabilities</li> <li>5. 1 x Camera located in the port engine room.</li> <li>6. 1 x Camera located in STBD engine room.</li> <li>7. 1 x Camera located in the wheelhouse.</li> <li>8. 1 x Camera located under the pilot house looking forward.</li> <li>9. 1 x Camera located in main deck cabin looking aft.</li> <li>10. 1 x Camera located in main deck cabin looking forward.</li> <li>11. 1 x Camera located aft deck looking aft (mirror image)</li> <li>12. 1 x Camera located aft wheelhouse bulkhead looking at upper passenger deck.</li> <li>13. Video recorder availability</li> <li>14. Commercial grade monitors, integrated into the audio system, audio/visual media player, Bluetooth capable.</li> </ul>			

**END OF TECHNICAL SPECIFICATION SHEET**