

Catamaran Endorsement – Practical Competence Assessment Rubrics

Instructions for the Assessing Instructor

This set of rubrics serves both Sailing Catamaran and Power Catamaran Endorsements. A power cat assessment may be performed on a sailing cat, but a sailing cat assessment cannot be performed on a power cat. If you are doing a power cat assessment only, then leave out the associated sailing skill sets (obviously). If the student is awarded a Sailing Catamaran Endorsement then the student is also automatically awarded a Power Catamaran Endorsement.

The NauticEd software will issue the Catamaran Competence Endorsement once these conditions below are met:

- satisfactorily passed the attached assessment rubrics for Catamaran Practical Competence on a 38 ft (11.5m) catamaran
- successfully passed the appropriate NauticEd Catamaran Confidence course (Sail or Power) online
- is Level III with logged experience (50 days including 25 as master and 25 on any sailing vessel greater than 28 ft (8.3m))

You may pass the student on the Catamaran Practical Competence assessment rubrics after you deem that, considering the skills required for a catamaran of at least 38 feet (11.5m) and the student's ability to perform them, you believe they could competently and safely lead a crew on a multiday recreational sailing venture on a catamaran of such size or greater with their friends and family. **It is up to your professional discretion as to the issuance of Catamaran Skippering Competence or Catamaran Crewing Grade given the evidence you have created from each of the rubrics.** The "Litmus Test" for issuing Catamaran Skippering Competence grade is; if this student had an accident on a sailing venture, would you feel afterward that you should have not issued that grade? If you find critical areas that need to be addressed, do not issue a passing grade for Catamaran Skippering Competence; instead consider a Catamaran Crewing Grade or a Fail and a follow up remediation plan for additional instruction and reassessment.

If the student gains a Catamaran Skippering Competence pass:

- Check the appropriate "Pass" boxes below and make recommendations as to further training in areas you see weakness
- ASK YOUR STUDENT FOR THEIR SECRET LOGBOOK CODE (not their password) AND THEIR SIGNIN EMAIL ADDRESS. Their logbook code is self assigned and is in their "myprofile" section. They must have this filled in before you can gain access
- When you sign-in to NauticEd under your instructor profile, in the search box, enter the student's email address and logbook code. Then check the Add Practical Competence Endorsements checkbox.
- In the dropdown, check the appropriate Catamaran Endorsement box. Make additional notes about the student's competency in the appropriate fields. If using the Rubrics Assessment App, upload their Rubric results into their logbook
- Their Sailing Certificate and Sailing Resume will then be instantly updated with your name as the Verified Practical Competency Instructor along with your School next to the Catamaran Endorsement.
- Your student will then be given the opportunity to rate their experience with you. Results of this are sent to you, the school principle and NauticEd Admin and posted online alongside your NauticEd Instructor profile.

Catamaran Endorsement – Practical Competence Assessment Rubrics

Instructions for the Student

The Catamaran Endorsement assessment is not a training day. This is an assessment to ensure and report on your competence to manage and handle a large catamaran as the skipper.

The practical assessment rubrics contained within this document are to be treated seriously. Your competence is paramount in order to receive an endorsement. It is likely that you will need some training or previous catamaran experience to pass this assessment.

Thus, there is a real possibility that you may not pass the assessment to the Catamaran Skippering Competence Grade. Instead you may be assigned a Crew Catamaran Competence grade. Don't be disappointed, the assessor cares about your competence and will give you a remediation plan if the assessor feels you are not ready. If you feel in anyway rusty, you should inform your assessor of your potential weakness areas and arrange a preparatory instruction day prior to the assessment day. The assessment will take approximately 4-5 hours.

You will need to give to your Assessor your NauticEd sign-in email address and your secret logbook code (not your password). Your logbook code is listed under your profile. You make it up and enter it. Your Assessor will need this to sign you off should you pass.

To gain a Catamaran Endorsement you must complete the following:

- Pass the NauticEd Catamaran Sailing Confidence course online (\$39) for the Sailing and Power Catamaran Endorsement; or the Power Catamaran course (to come) for the Power Catamaran Endorsement
- Pass the attached Catamaran Assessment Rubrics
- Be at least Level III in your online logbook (this means 50 days of experience including 25 as master and 25 days on a vessel greater than 28 ft (8.3m) (sailboat for Sailing Endorsement and power vessel for Power Endorsement)
- Follow up with your assessor to make sure they have digitally signed you off online

As soon as all the items above are complete, your Endorsement is instantly issued online and will appear on your resume and certificate.

On assessment day, show up prepared in appropriate clothing for the weather, food, and drink. Good luck on your assessment and enjoy your coming sailing vacations. "Oh and hey – be safe out there".

Sincerely,

Grant Headifen

Global Director of Education

P.S. Do a little dreaming now, visit www.nauticed.org/sailing-vacations and see our global database of available charter yachts.

Catamaran Sailing and Power Vessel - Practical Competency Assessment Rubrics

Instructor name:

KEY

- NA:** Not Assessed/ Not Applicable for the vessel
Fail: The student did not have enough ability to complete this skill
Qual Crew: The student could complete the skill in a satisfactory manner as useful crew member on a Catamaran
CAT The student could complete the skill in a satisfactory manner so as to demonstrate skipping competence and confidence in handling a catamaran
Excl: The student has excelled in the demonstration of this skill in handling a catamaran as the skipper in charge

Student Name	Signin Email	Logbook Code
<i>Sig</i> _____ Date / /		
<input type="checkbox"/> Passed <input type="checkbox"/> Qualified Crew CAT <input type="checkbox"/> Not passed <input type="checkbox"/> CAT Endorsement Sailing + Power <input type="checkbox"/> <input type="checkbox"/> Cat Endorsement Power only	Performance and improvements notes and remediation plan if necessary:	

Student Name	Signin Email	Logbook Code
<i>Sig</i> _____ Date / /		
<input type="checkbox"/> Passed <input type="checkbox"/> Qualified Crew CAT <input type="checkbox"/> Not passed <input type="checkbox"/> CAT Endorsement Sailing + Power <input type="checkbox"/> <input type="checkbox"/> Cat Endorsement Power only	Performance and improvements notes and remediation plan if necessary:	

Student Name	Signin Email	Logbook Code
<i>Sig</i> _____ Date / /		
<input type="checkbox"/> Passed <input type="checkbox"/> Qualified Crew CAT <input type="checkbox"/> Not passed <input type="checkbox"/> CAT Endorsement Sailing + Power <input type="checkbox"/> <input type="checkbox"/> Cat Endorsement Power only	Performance and improvements notes and remediation plan if necessary:	

This Practical Competency Assessment Rubrics complies with the standards required by worldwide yacht charter companies for catamaran operation and meets the NauticEd requirements for issuance of the Catamaran Sailing and Power Vessel Handling Competence Endorsement

Catamaran - Practical Competency Assessment Rubrics

Student 1					Student 2					Student 3				
Name														
Skill Set 1. Systems and Layout														
1.1 Layout - Can show and describe: <ul style="list-style-type: none"> • Difference between Full Bridge Deck (Flybridge) and Partial Bridge Deck (Sport bridge). Can identify the forward crossbeam. • Hull escape hatches and operation. Describe Hazards with open deck hatches. • Dinghy davit use. • Emergency tiller, setup and use. • Life raft and describe deployment. 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
1.2 Systems Engine - Can show and describe: <ul style="list-style-type: none"> • Engine compartments, show and describe oil level checking, fill, and search for oil leaks. • Raw water pump and describe impeller replacement. Show and describe the cooling water pipes and hazards. Identify sea strainer. • Appropriate belt tension. • Fuel filters and fuel priming procedure. Show and describe fuel level gauges, tank switch over procedure and valves. 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
1.3 Systems Electrical - Can show and describe: <ul style="list-style-type: none"> • Battery charging options, alternators/generator vs. shore power, house vs. engine. • 110v vs. 220v - dangers and appropriateness of connecting various devices. • Generator start up and shut down procedure. • Electronic fly by wire systems in some modern cats. Describe how to test voltage. Discuss daily battery voltage level management. 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
1.4 Fresh Water <ul style="list-style-type: none"> • Show tanks, fill ports, tank switch over valves. Electric panel water pump switch/breaker. • Describe water conservation, showering, dishes 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
1.5 Waste Water and Pollution <ul style="list-style-type: none"> • Discuss waste water management. Where to/not to dump. "Y" valve operation. Paper management discussion to crew - "Potty Talk". • Discuss plastic and where appropriate to dispose. 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
1.6 Fire <ul style="list-style-type: none"> • Identify extinguishers locations. Discuss fire extinguishment and fire extinguisher and blanket use. • Engine compartment fire port locations and use. 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
1.7 Helm <ul style="list-style-type: none"> • Identify and discuss all helm station controls, switches, gear levers, and instruments. 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl

Catamaran - Practical Competency Assessment Rubrics

Student 1					Student 2					Student 3				
Name														
Skill Set 2. Preparation and Departure														
2.1 Preparation														
● Demonstrates stowing appropriate gear and general boat readiness. Effectively does or describes bringing aboard a gangplank.														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
2.2 Rudder Position														
● Can clearly describe how the boat maneuvers differently when the rudders are in front of the propellers vs. when the rudders are behind the propellers.														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
2.3 Maneuvering With Gear Levers														
● Can confidently describe how to spin the boat clockwise and counter-clockwise using the gear levers. Can include rudder position in the discussion.														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
2.4 Spring Line Configuration														
● Can draw and describe spring line configuration and fender configuration for all directions of current and wind for along-side docking scenarios for dock departure and dock arrival.														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
2.5 Communication														
● Develops and communicates to the crew a sound departure plan and establishes clear hand signal protocols.														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
2.6 Setup														
● Uses a spring line configuration and fender configuration according to existing dock and wind conditions including dock line and fender set ups.														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
2.7 Engine Start														
● Uses proper engine start procedure.														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
2.8 Successful Departure														
● Checks for traffic. Departs without close encounters to the dock or other objects or vessels.														
● Issued clear instructions and hand signals to the crew to release lines and other appropriate actions.														
● Used appropriate engine revs.														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
2.9 Clears the Marina														
● Clears out of the marina in a safe manner at a safe speed while maintaining control.														
● Acts appropriately with a simulated large vessel approaching.														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl

Catamaran - Practical Competency Assessment Rubrics

Student 1					Student 2					Student 3				
<i>Name</i>														
Skill Set 3. Maneuvering														
3.1 Maneuvering Forward														
<ul style="list-style-type: none"> • Demonstrate making way and maneuvering upwind, downwind, and crosswind in forward while describing effects of windage in each direction. • Uses appropriate engine revs 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
3.2 Maneuvering Reverse														
<ul style="list-style-type: none"> • Demonstrate making way and maneuvering upwind, downwind, and crosswind in reverse while describing effects of windage in each direction. • Uses appropriate engine revs 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
3.3 Maneuvering Spinning and Figure 8's														
<ul style="list-style-type: none"> • Demonstrate spinning the boat clockwise and counterclockwise while keeping the boat inside its own diameter. • Demonstrate figure 8 maneuvers around buoys or floats while maintaining control of the vessel. • Uses appropriate engine revs. 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
3.4 Maneuvering Ferrying														
<ul style="list-style-type: none"> • Demonstrate ferrying: With the wind coming from directly ahead, crack the boat off the wind approximately 30 degrees and maneuver the boat directly sideways towards a dock or object without making windward or leeward way. 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
3.5 Maneuvering Precision														
<ul style="list-style-type: none"> • Maneuver the boat forwards to stop next to a float or a buoy exactly amidships. Back the boat to a float upwind, side wind, and downwind to stop exactly 6 ft. from the stern of the boat. • Uses appropriate engine revs. 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
3.6 Mediterranean Mooring														
<ul style="list-style-type: none"> • Properly communicates the plan and assignment of tasks to the crew • Can successfully complete a Mediterranean mooring up to a bulkhead or a simulated bulkhead with various wind directions if appropriate. • Throughout the maneuver, the crew is directed as appropriate • Maneuvers the boat to the directed spot within an acceptable distance tolerance • Stops the boat appropriately without starting forward movement after the stop 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl

Catamaran - Practical Competency Assessment Rubrics

Student 1					Student 2					Student 3				
Name														
Skill Set 4. Preparing to Sail														
4.1 Set up														
<ul style="list-style-type: none"> • Aligned the boat to the appropriate wind angle • Prepared vessel including appropriate hatches closed • Prepared lines as appropriate • Clear communication of the hoist plan to the crew including any safety hazards 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
4.2 Hoisting/Unfurling - for both sails														
<ul style="list-style-type: none"> • Maintains lookout for traffic and jammed lines while hoisting/unfurling • Ensures reefing lines run free and the mainsail battens clear the lazy jacks • Uses caution and proper technique on control lines taking into account possible extreme tension and over-running • Effectively utilizes crew and helm hand signals • Effectively monitors the headsail furling drum for over-runs and jams 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
4.3 Sail Trim														
<ul style="list-style-type: none"> • Properly sets the halyard and outhaul tensions • Makes an appropriate sail trim for the first sailing angle 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl

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Student 1					Student 2					Student 3				
Name														
Skill Set 5. Sailing Competence														
5.1 Sailing a straight line														
<ul style="list-style-type: none"> • Can sail a straight line on all points of sail • Makes appropriate sail trim for each point of sail 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
5.2 Safe Winch Handling														
<ul style="list-style-type: none"> • Can demonstrate safe winch handling techniques considering highly loaded sheets • Can demonstrate and describe effective use of the traveler, boomvang, and mainsheet to capture and appropriately spill wind 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
5.3 Tacking														
<ul style="list-style-type: none"> • Properly tacks the boat, including crew set up, line set up, traffic consideration, and appropriate backwinding of the headsail to push the bow through the tack • Ends the tack on a close haul/reach • Uses caution and proper technique on control lines taking into account possible extreme tension and over-running • Effectively communicates to the crew through out • Effectively monitors winches for over-runs and jams 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
5.4 Gybing														
<ul style="list-style-type: none"> • Makes a proper call as to whether a gybe is appropriate for the conditions • Properly gybes the boat, including crew set up, line set up, traffic consideration, and boom management • Ends the gybe on a broad reach • Uses caution and proper technique on control lines taking into account possible extreme tension and over-running • Effectively communicates to the crew through out • Effectively monitors winches for over-runs and jams 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
5.5 Reefing														
<ul style="list-style-type: none"> • Made a proper call early on as to whether to reef for the conditions • Can discuss reefing as particular difference between a monohull and a catamaran • Can demonstrate reefing as appropriate for the vessel (reef-down or furling) • Uses caution and proper technique on control lines taking into account possible extreme tension and over-running • Effectively communicates to the crew through out • Effectively monitors winches for over-runs and jams 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
5.6 Heave To														
<ul style="list-style-type: none"> • Can effectively communicate the heave-to plan • Maintains traffic watch • Executes the heave-to plan while communicating to the crew • Can sail out of the heave to 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
5.7 Crew Overboard - to be performed under sail and under power														
<ul style="list-style-type: none"> • Issues appropriate orders to the crew • Maintains crew focus • Executes the rescue while communicating to the crew • If under power, check for lines in the water before starting the engine. 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl

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Student 1					Student 2					Student 3				
<i>Name</i>														
Skill Set 6. Dousing Sails														
6.1 Set up														
<ul style="list-style-type: none"> • Aligned the boat to the appropriate wind angle for first sail douse • Prepared vessel • Prepared lines as appropriate • Clear communication of the douse plan to the crew including any safety hazards 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
6.2 Douse - for both sails														
<ul style="list-style-type: none"> • Maintains lookout for traffic and jammed lines while dousing • Uses caution and proper technique on control lines taking into account possible extreme tension and over-running • Effectively utilizes crew and helm hand signals • Effectively monitors the headsail furling drum for over-runs and jams • Aligned the boat to the appropriate wind angle for second sail douse • Properly stows lines and sails as appropriate 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl

Catamaran - Practical Competency Assessment Rubrics

Student 1					Student 2					Student 3				
<i>Name</i>														
Skill Set 7. Anchoring														
7.1 Set up														
<ul style="list-style-type: none"> Communicated to the crew the anchoring plan Selected an appropriate anchor spot Approached from appropriate wind direction Directed the crew in deployment of the anchor using appropriate hand signals Set the anchor and demonstrated deployment of the bridle Used appropriate scope based on conditions and rode Used effective communication with the crew throughout 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
7.2 Mooring														
<ul style="list-style-type: none"> Communicated to the crew the mooring plan Approached from appropriate wind direction Directed the crew in picking up and securing the boat to a mooring from the bow OR the stern using appropriate hand signals Set up a dual dockline bridle to the mooring ball Used effective communication techniques with the crew 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl

Catamaran - Practical Competency Assessment Rubrics

Student 1					Student 2					Student 3				
<i>Name</i>														
Skill Set 8. Returning to the Dock														
8.1 Set up														
<ul style="list-style-type: none"> • Can effectively describe various spring on scenarios for different wind and dock conditions • Communicated to the crew an appropriate return plan including fender and dockline placement and crew assignments • Prepares the boat for return 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
8.2 Docking														
<ul style="list-style-type: none"> • Can effectively dock the boat with helm station dockside and helm station not dockside • Directed the crew using appropriate hand signals • Demonstrates springing on to the dock with an off the dock wind and with an on the dock wind • Safely docked the boat • Checked for properly placed and secured docklines 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl
8.3 Depart														
<ul style="list-style-type: none"> • Proper shut down of engines, instruments and electrical systems • Proper shut down of remaining systems, tidying of boat, clean up of lines and closure of the vessel. 														
NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl	NA	Fail	Crew	CAT Skip	Excl