



*Cortez Racing Association*

The best sailboat racing in San Diego

## ORR & ORR-Ez Rating System

# Who are We?

## Offshore Racing Association

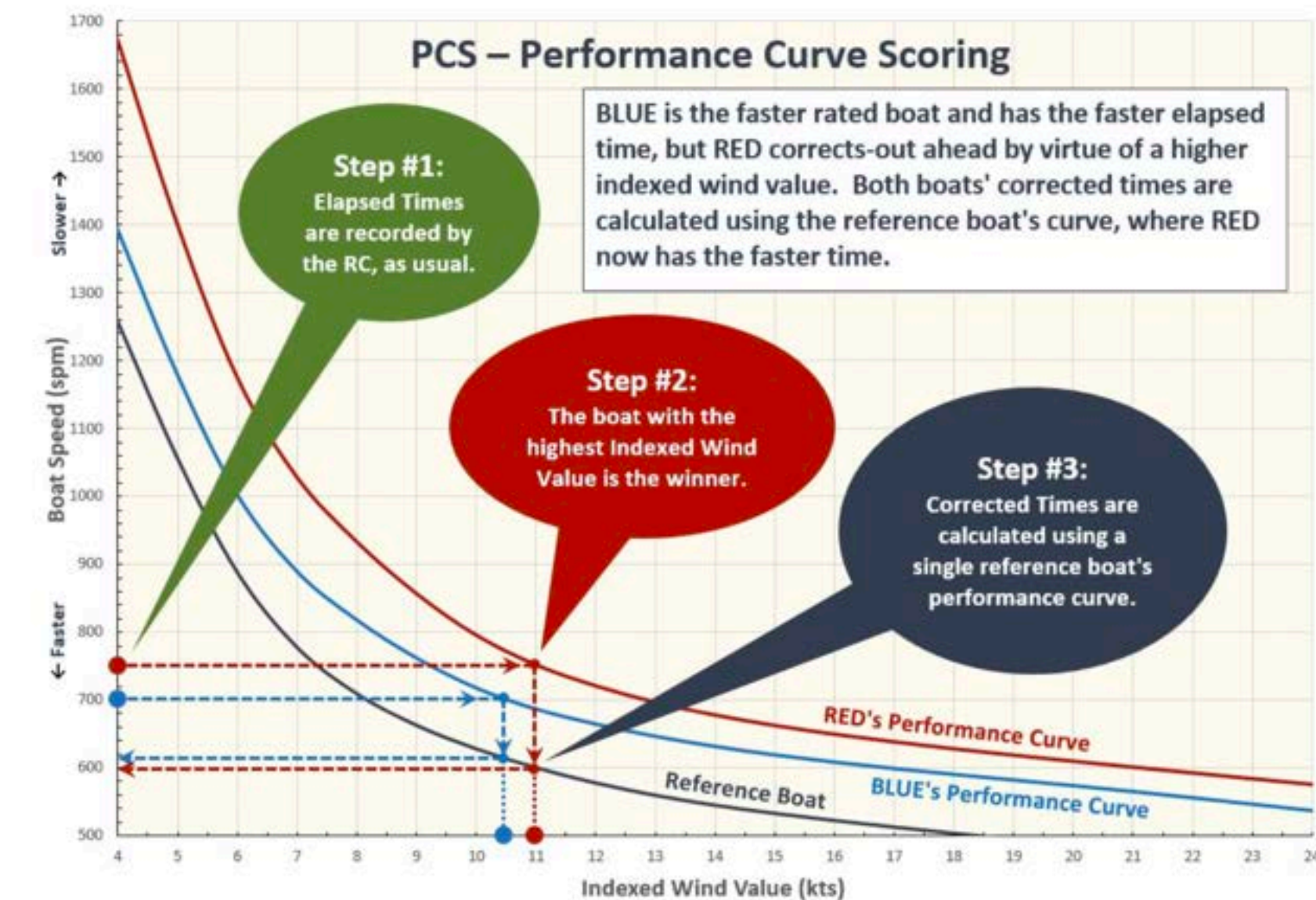


- We are the premier rating system that fairly handicaps all types and ages of boats.
- We are the owner of the ORR and ORRez Handicap Rules.
- We are a team of folks dedicated to the continuous development of VPP ratings for racing sailboats.

# Offerings

## New product offerings

- Ratings & Certificates
  - ORR & ORR-Ez
- Polar Performance packages
  - Expedition files (and others too)
  - Tape to the bulkhead charts - fewer Ez boats have onboard computers
- Traditional and PCS Scoring tools
  - New offering development for simplified PCS Scoring
  - Utilizing PCS to confirm wind ranges
- Development of Scoring Revolution!!!
  - Sailors want a single TCF prior to the start that takes into account the forecast and course



# Financial Stability



## ORA is a Not-for-Profit organization

- ORA reinvests all excess income in development of the VPP and certificate processing tools
- VPP development is a top priority - we want to improve the VPP every year in meaningful ways
- Customer tool development is completed through our partnership with Regatta Management System
- We are well funded and our income exceeds our expenses. All excess funds are invested in the VPP development.

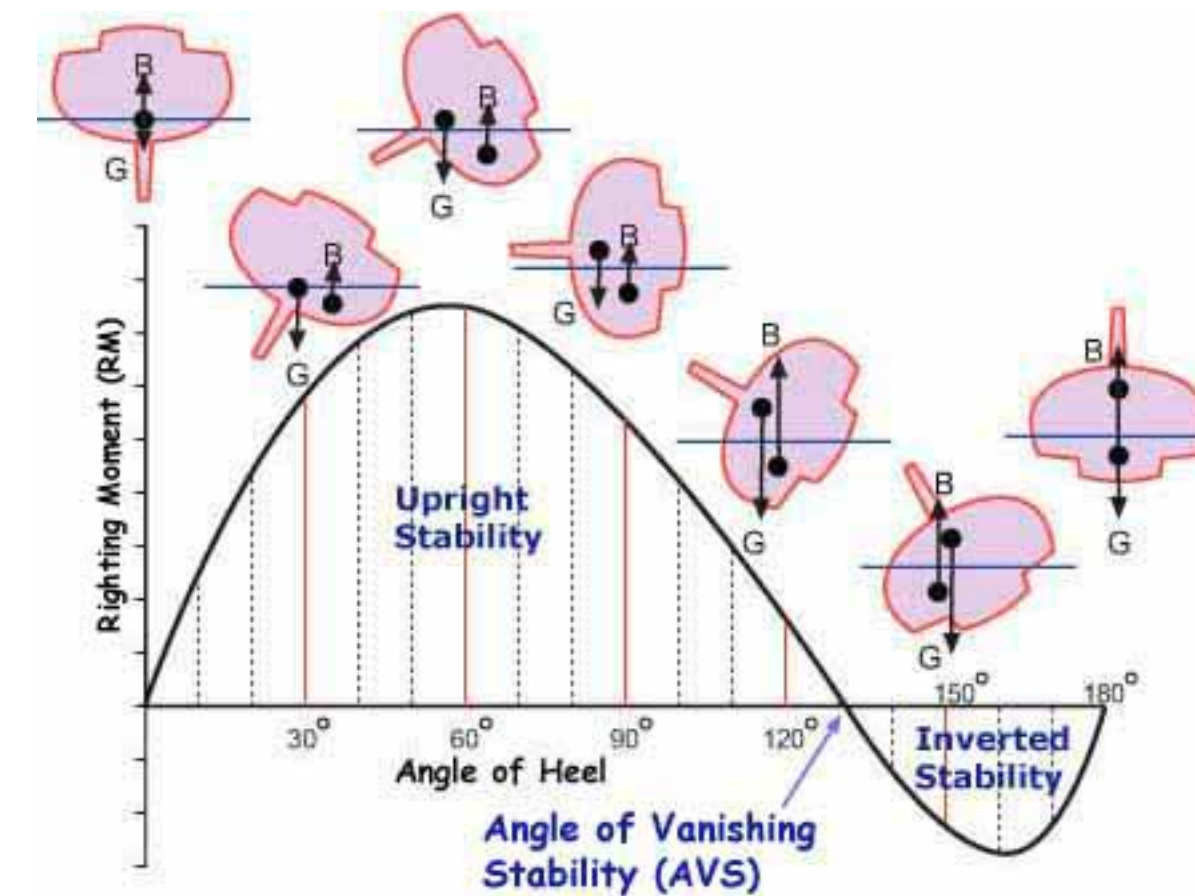


# Technical Stability



- ORA uses one stability number - only the real one - Actual Boat Stability

- Creating stability factors is a trick to avoid VPP crashes. This limits accurate future developments
- Critical for developing ratings in high wind speeds. Creates a stable VPP platform to produce fair ratings for all types of boats in all wind speeds.



- Sample VPP explorations for 2023

- Analyze wind shear impact on fleets, especially at lower wind speeds. Wind shear has greater impact on shorter rigged sport boats.
- Analyze rated water line length for boats as they heel over in both upwind and downwind performance.



# Which system is better for you?

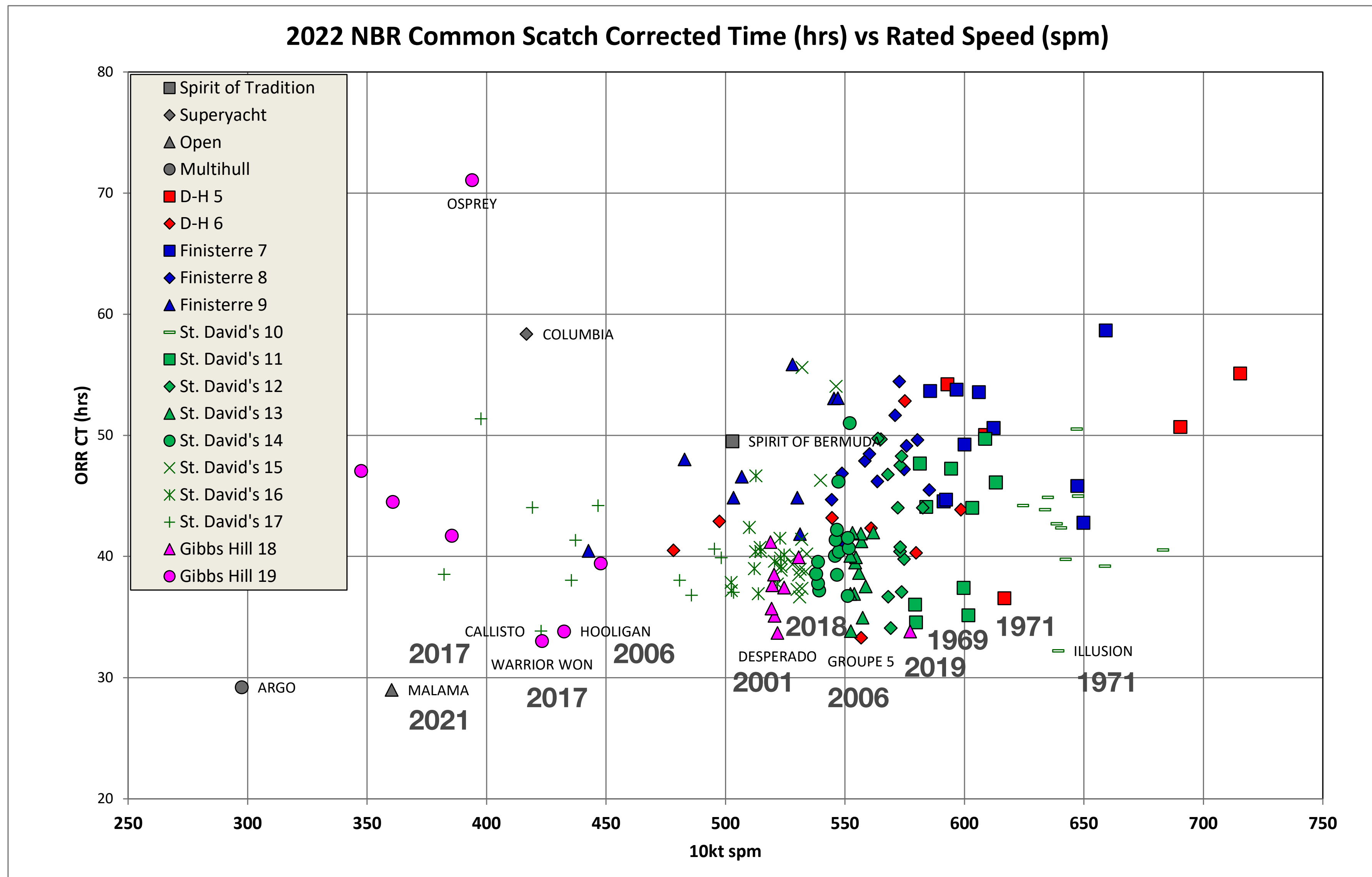


| TOPIC  | COMMENT  | ORR  | ORC |
|--|--|------|-----|
| <b>Win with Existing Boat</b>                            | Race with the boat you have and get a fair rating  | ★    |     |
| <b>Purchase new Boat to win</b>                          | Need to purchase a new boat to win   |      | ★   |
| <b>Website / Social Media</b>                            | ORC has a much better website  |      | ★   |
| <b>VPP modifications based on USA priorities</b>         | ORR actively gathers input from boats in our fleets in North America and modifies the VPP based on this input.             | 100% | 5%  |
| <b>PHRF input on ORR-Ez rating adjustments</b>           | The Ez Rule allows for minor adjustments for boats that don't rate well by a VPP. Local and National team review together. | ★    |     |
| <b># of People to process Certs</b>                      | ORR, ORC, ORC Club (US Sailing)  | 3    | 3   |
| <b>Additional # of People to process Ez / Club Certs</b> | ORR-EZ   | 8    | 0   |
| <b>Ratings &lt; 20 KTS</b>                               | Boats go FASTER with 24 kts than they do with 20 its of wind   | ★    |     |



[regattaman.com](http://regattaman.com)

# Results - Newport Bermuda Race 2022





# ORR Ez Statistics



- ORR Ez is designed for local fleet racing like Cortez
  - 914 boats in 2022 have ratings based on the ORR Ez VPP. Additionally we have hundreds of ORR fully measured boats.
  - There are hundreds of races run in 2022 and we have local events every week based on ORR Ez handicapping.
  - We manage fleet races and season series for many local fleets.
  - Spinnaker and non-spinnaker boats are racing together and can declare “spin” or “non-spin” at checkin on the water.
  - Each boat gets a PHRF handicap so races can still be run with a single TOD number, it is just generated by the VPP.
  - Local handicapper can provide input on performance variations for handicap adjustments to national team for review.
  - ORR EZ is not an after-thought. We do not encourage boats to get a fully measured rating unless desired by the owner.
  - ORR Ez and ORR rated boats can race together under the ORR Ez handicapping Rule.
  - All Fully Measured ORR boats get standard ORR Ez ratings for mixed fleets.
  - US Sailing Membership is encourage but not required to get an ORR Ez certificate.

# Questions?

Doug Ryan

