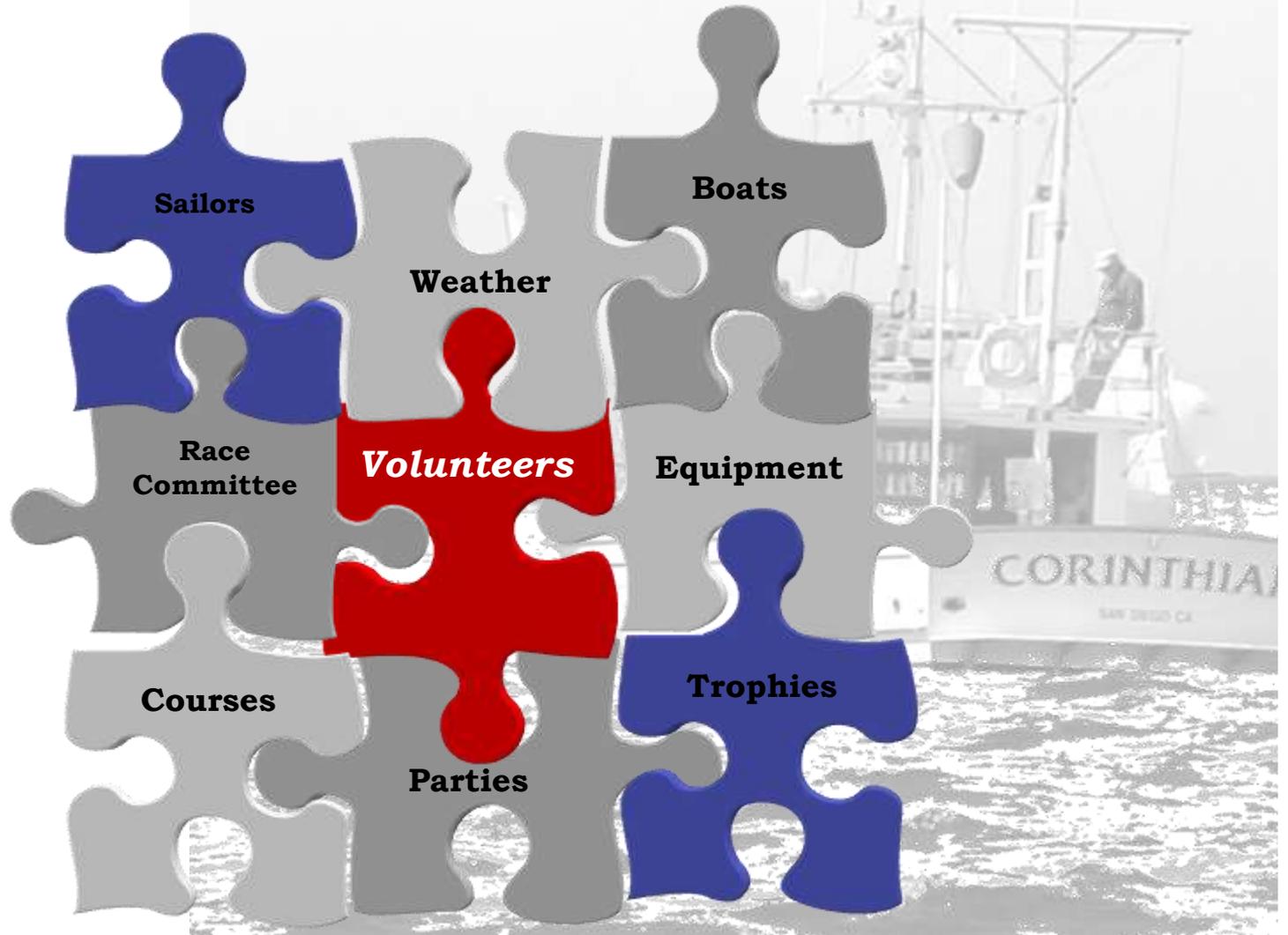




# Welcome to Race Committee Open House

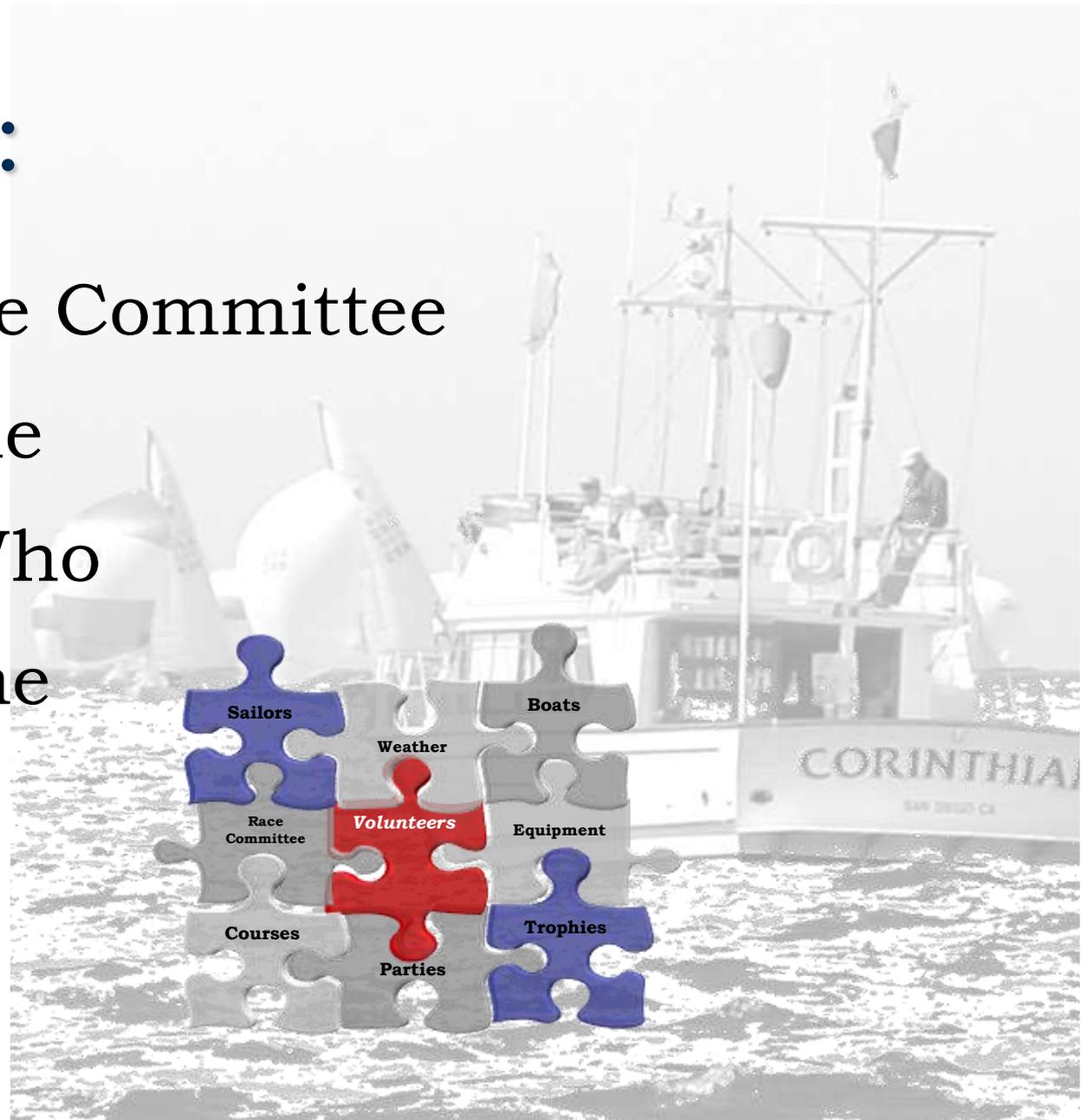


# The Big Picture....



# Agenda:

- ▶ The Race Committee
- ▶ The Game
- ▶ Who's Who
- ▶ Tool Time



# Questions...?

- WHO does Race Committee?
- WHAT does the Race Committee do?
- HOW is it done?
- WHEN would I be on a Race Committee?



# R/C is a *team* of...

- ▶ Volunteers
- ▶ Club Members
- ▶ Non-Members
- ▶ Sailors
- ▶ Non-sailors

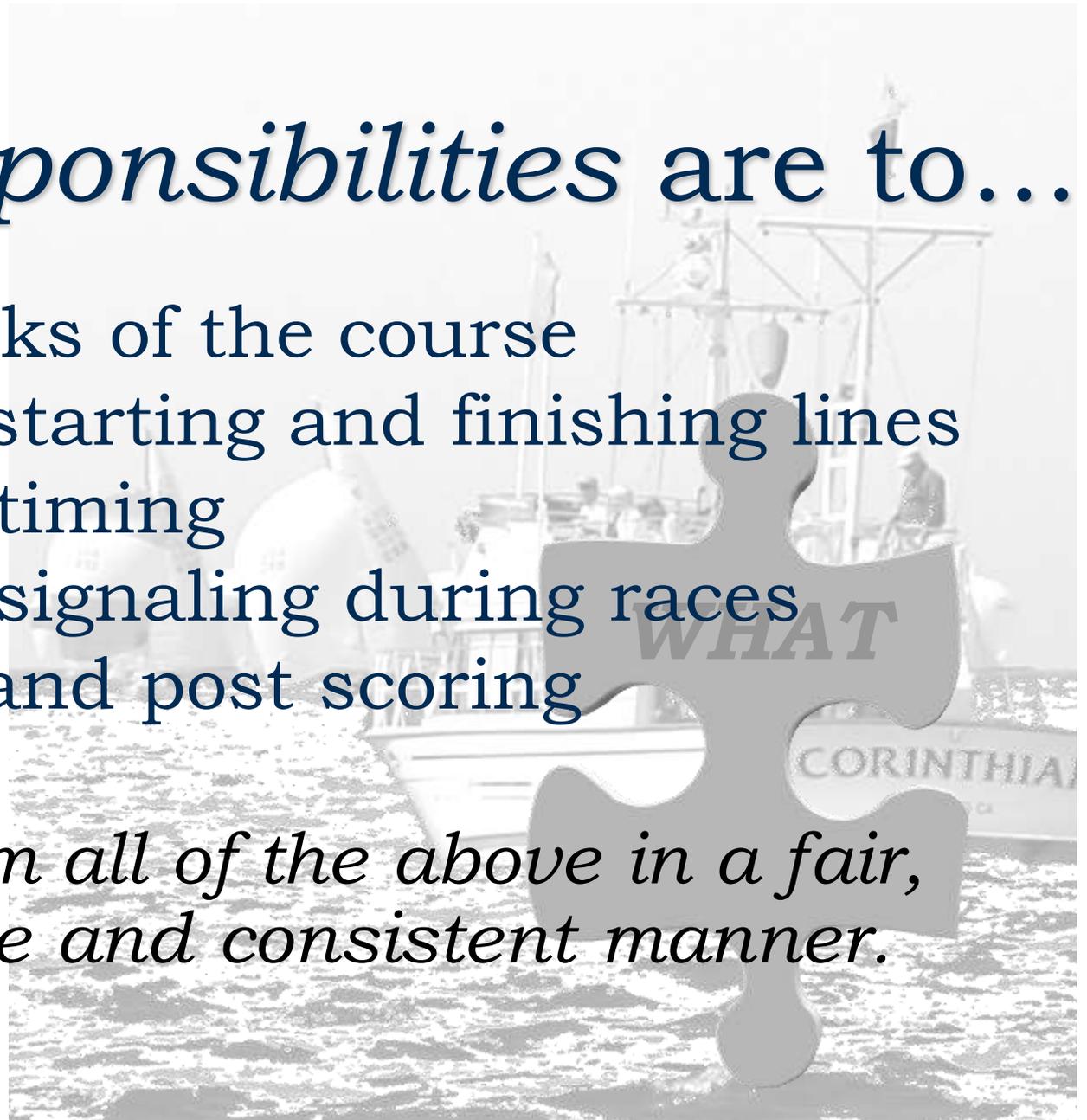
*WHO*



# R/C *responsibilities* are to...

- ▶ Lay marks of the course
- ▶ Set the starting and finishing lines
- ▶ Provide timing
- ▶ Provide signaling during races
- ▶ Record and post scoring

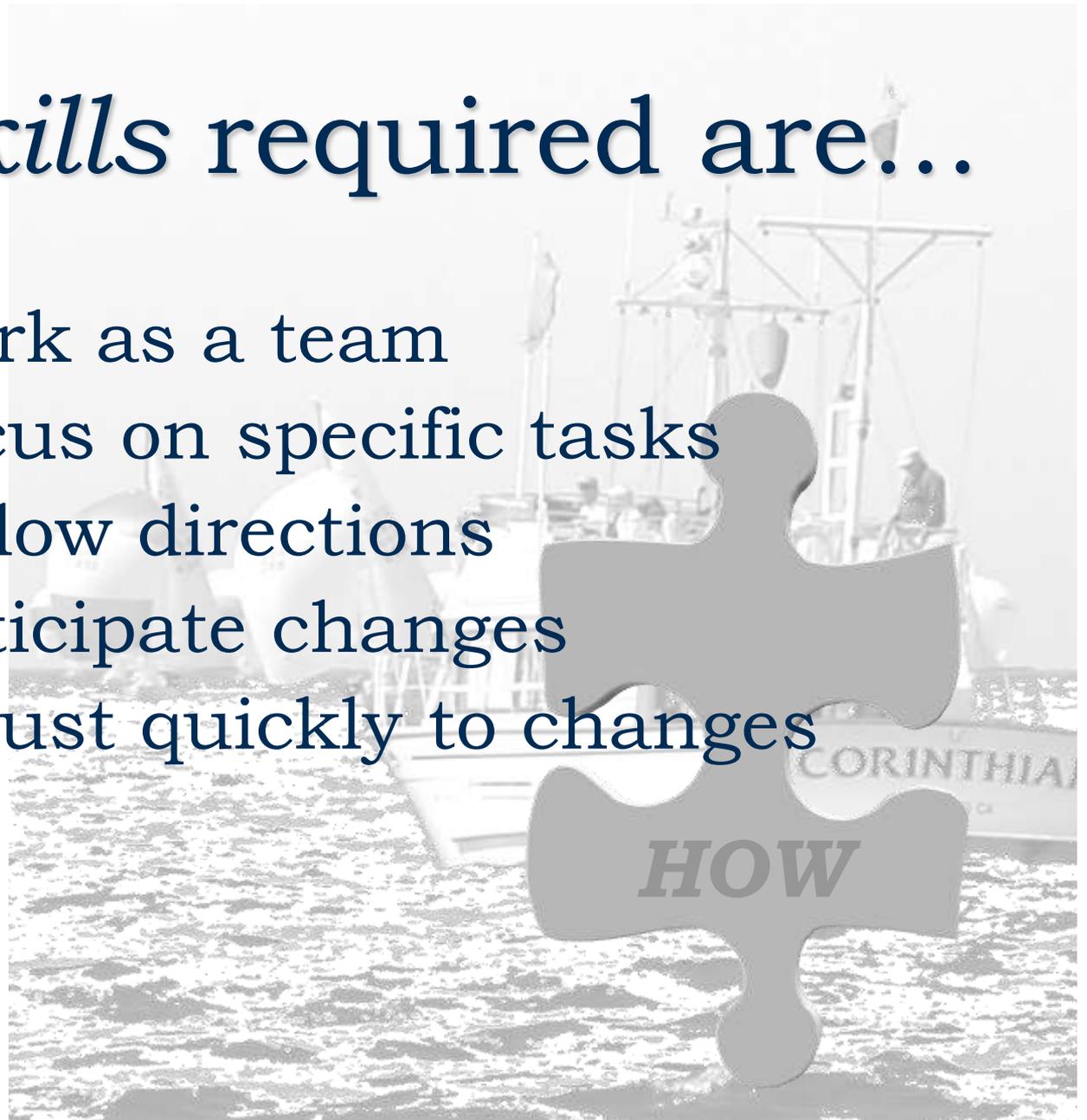
▶ *Perform all of the above in a fair, accurate and consistent manner.*



# R/C *skills* required are...

- Work as a team
- Focus on specific tasks
- Follow directions
- Anticipate changes
- Adjust quickly to changes

*HOW*



# Join R/C *as often as you like...*

- Sign up available on line
- Mark events you would like to work
- Click “Submit”
- Receive confirmation
- Show up





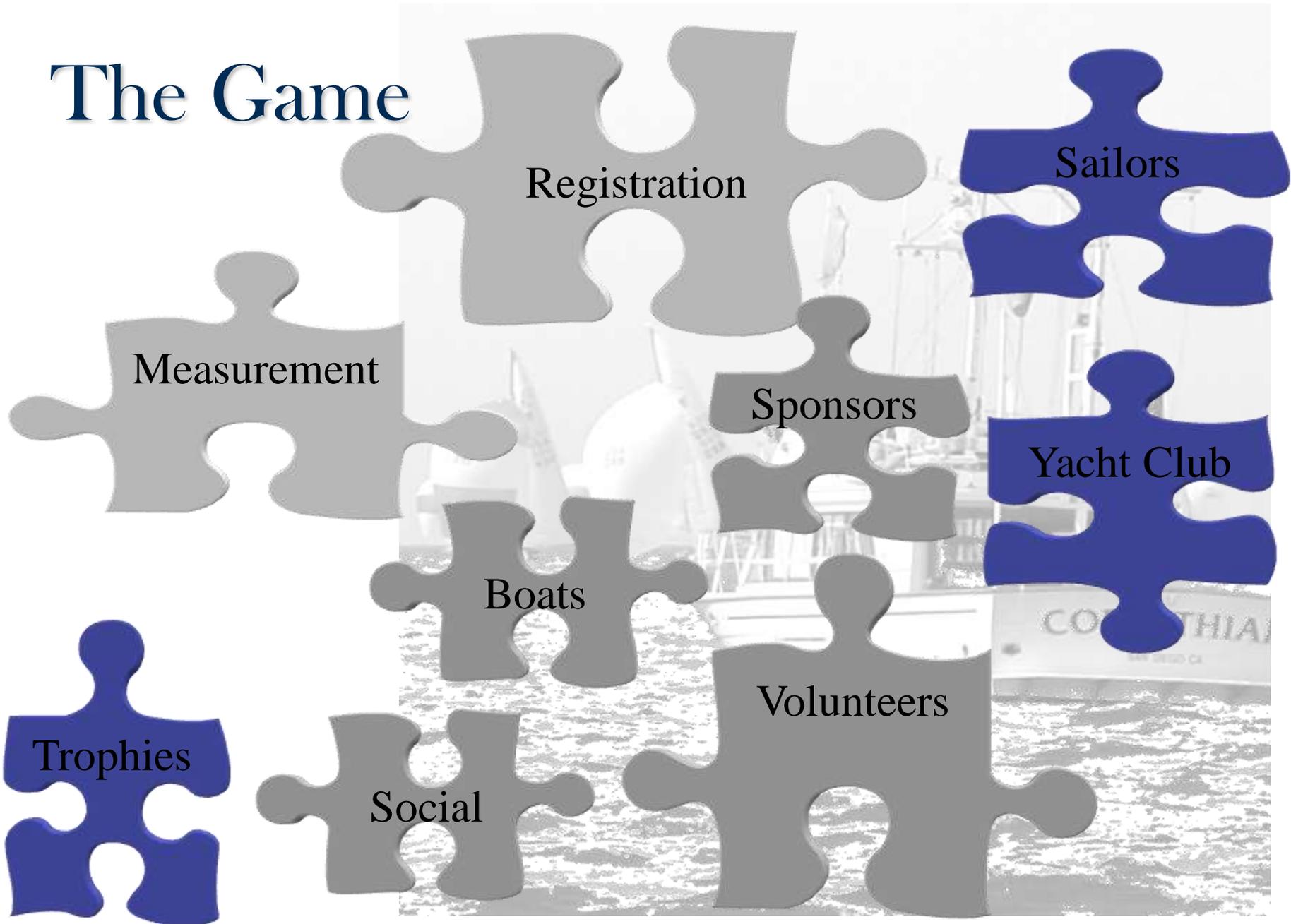
# '24 First Half \* Yearly Calendar

January	February	March	April	May	June
New Years Day Race	One Design	Open	Etchells Midwinters	Yachting Cup	SoCal 300
One Design Weekend	Islands Race	One Design	Open	Open	One Design
Open	Women's Invite J/22	Etchells PCCs + Beneteau WCC	Opening Day Race	One Design Weekend + Orca Bowl	US Match Race
Club Champs	PV Race	Spring Dinghy	One Design + Etchells PCC	Star Rollins Bowl	Open
CA Dreamin' Match Race		Men's Mayhem			US Open

# '24 Second Half \* Yearly Calendar

July`	August	September	October	November	December
July 4 <sup>th</sup> + Cold Rum	Cold Rum + Sears Cup	Labor Day + Star Pitcher	Match Race	Open	Hot Rum III
Open	One Design	Star Worlds	One Design + Kettenburg	Hot Rum I	One Design & Kris Kringle
One Design + Cold Rum	Open	Open	Finn Masters NA	One Design	Open
J/22 Regatta + Jr. Sabot Nationals	Open	Beneteau Cup + Finn PCC	Lipton Cup	Hot Rum II	Christmas
		One Design + Dekker 105 Regatta		Thanksgiving	Open

# The Game



Registration

Sailors

Measurement

Sponsors

Yacht Club

Boats

Volunteers

Trophies

Social

# The GAME ...

- A “*REGATTA*” is...  
*a race or series of races...*
- For each race, the  
“*RACE COMMITTEE*” *manages...*
  - the start
  - the course
  - the finish
  - the scoring



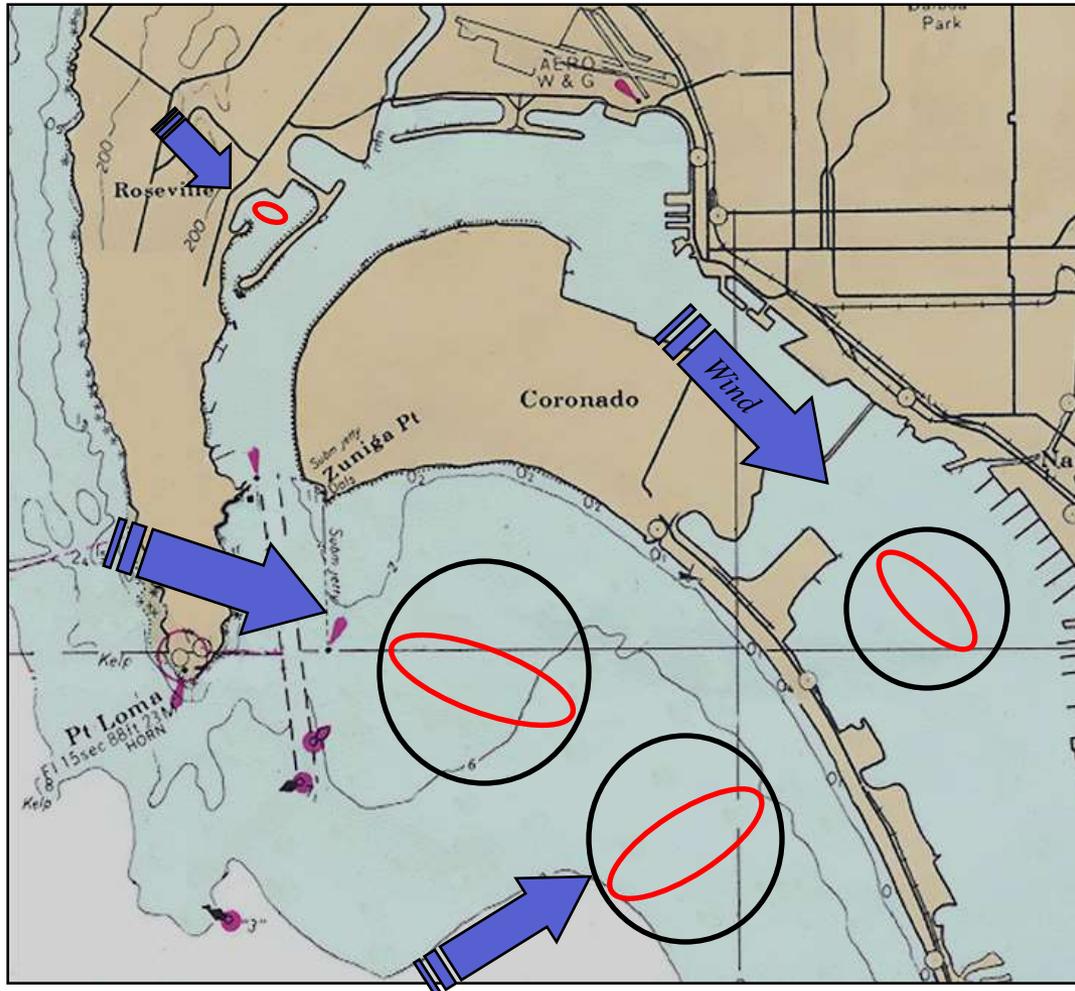
# ...at SDYC, Regattas feature...

- Fleet Racing with
  - One Design
  - Performance Handicap Rating Formula (PHRF)
  - Offshore Rating Rule (ORR)
  - Invitational (supplied boats)
- Match Racing
- Team Racing
- Youth



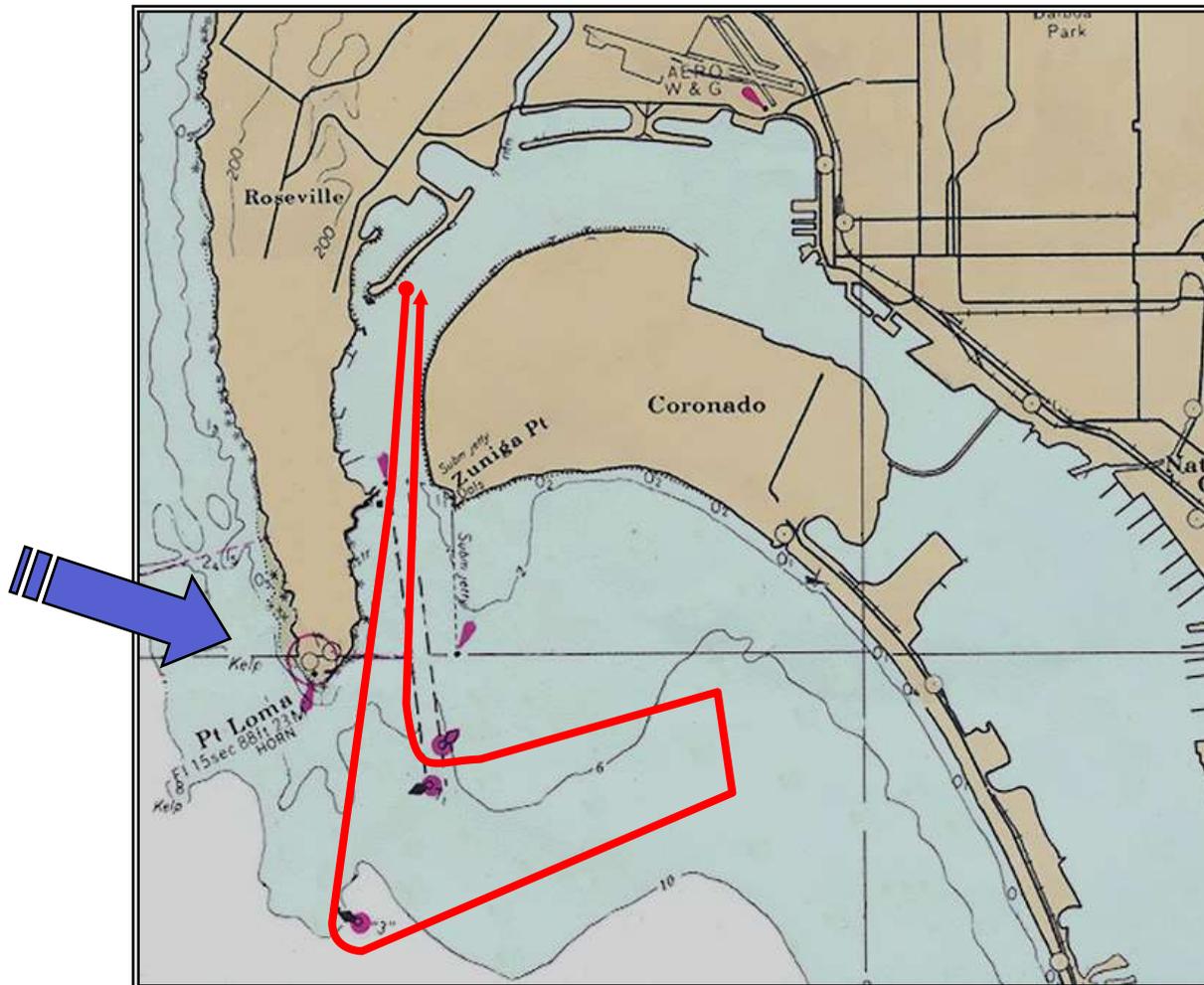
# ...Closed Course “Circles” ...

## Yachting Cup, One Design, La Playa



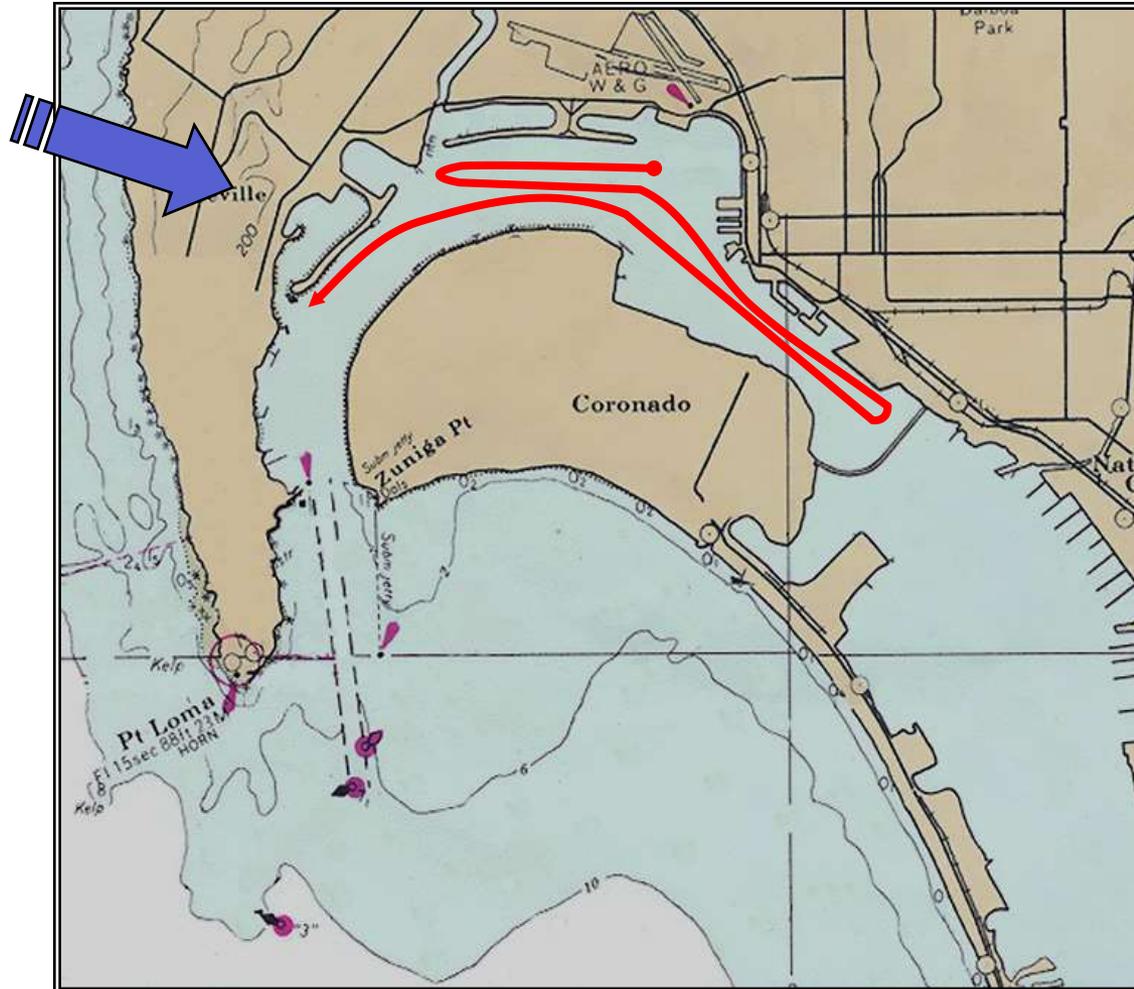
# ...Out and Back *COURSE*...

## Sinnhoffer Hot Rum Race



# ...Random Leg *COURSE*...

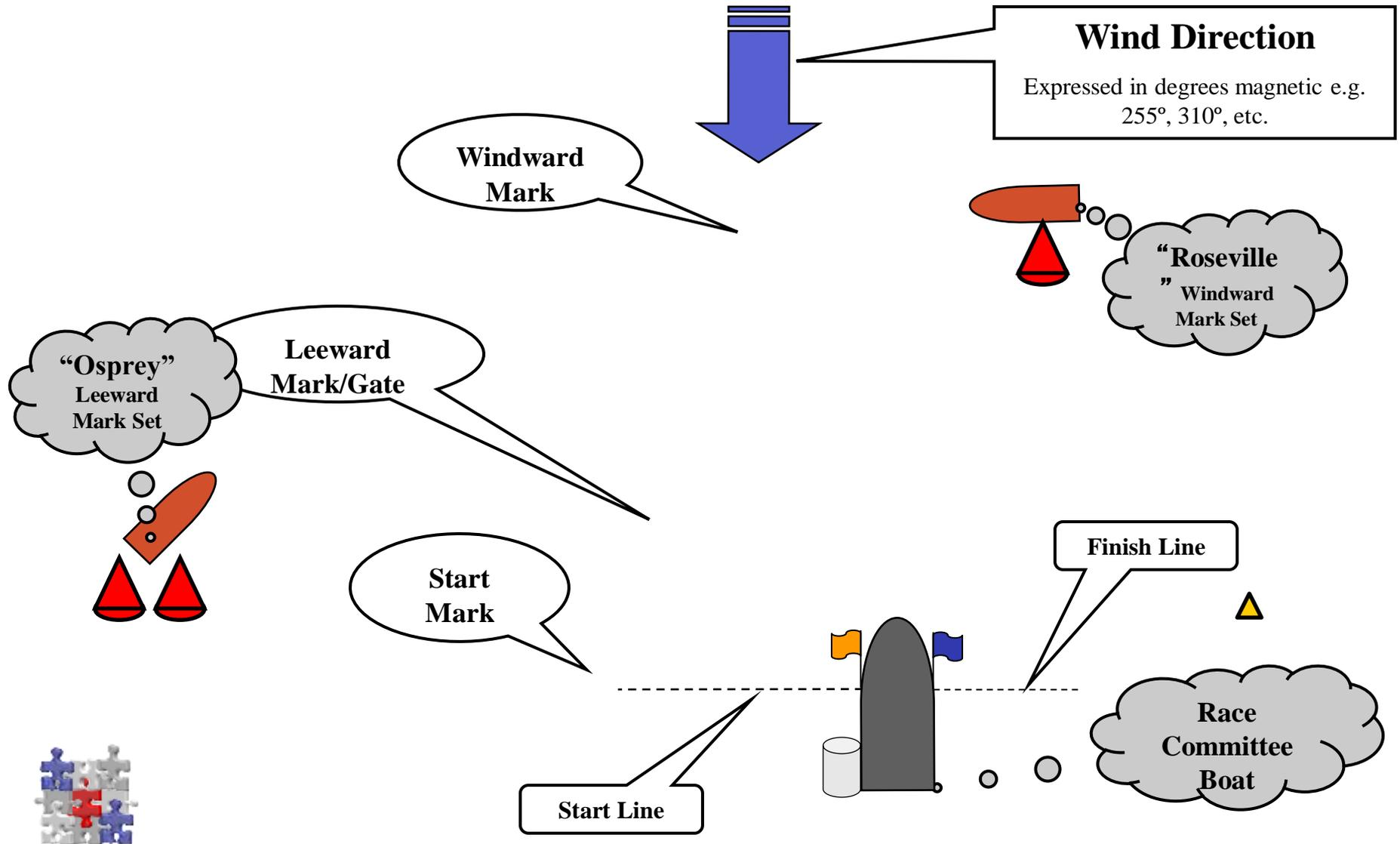
## New Year's Day Race



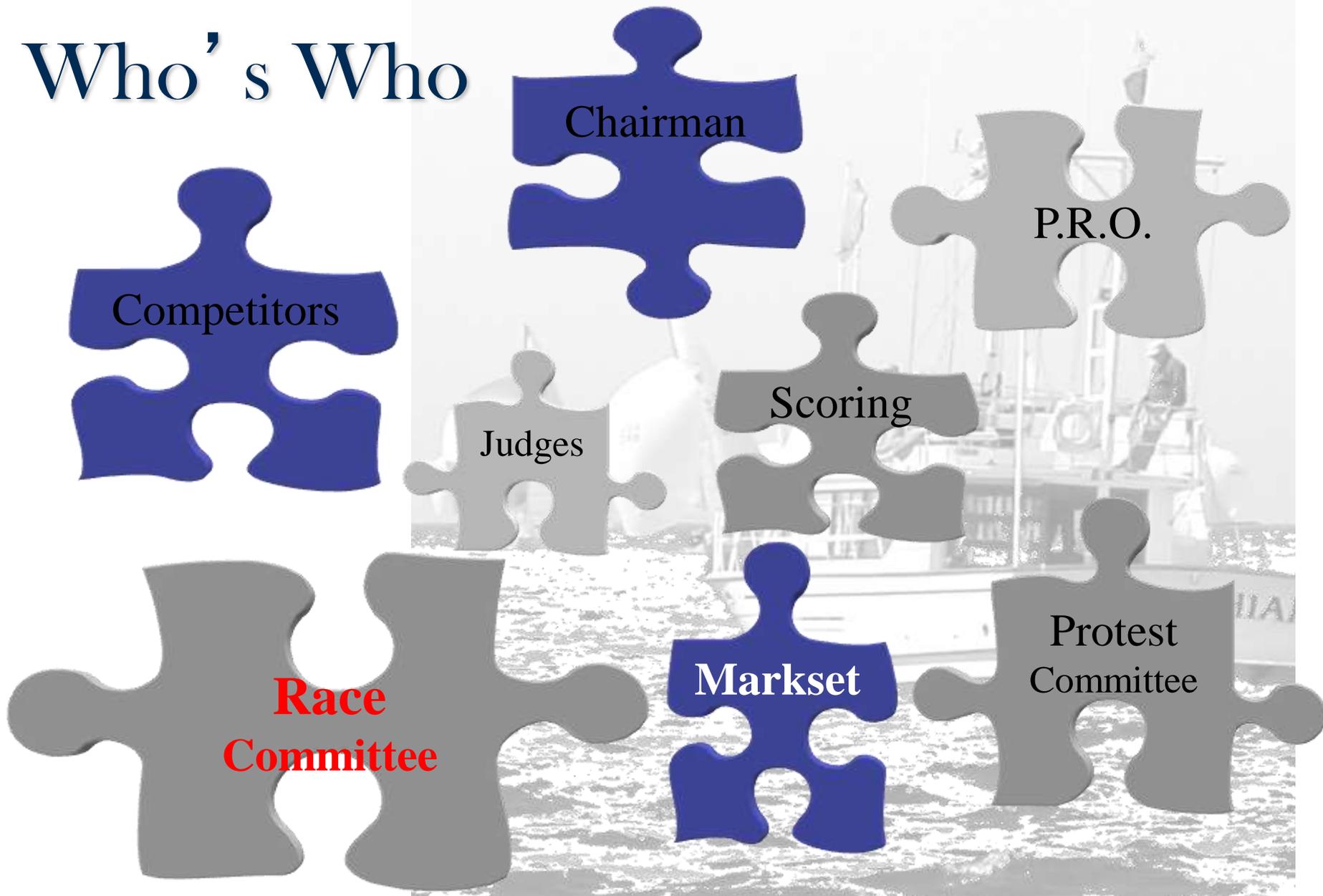
# ...Point to Point *COURSE*...



# ...Anatomy of a W/L Course...



# Who's Who



Chairman

P.R.O.

Competitors

Judges

Scoring

**Race  
Committee**

**Markset**

Protest  
Committee

# Race Committee Jobs

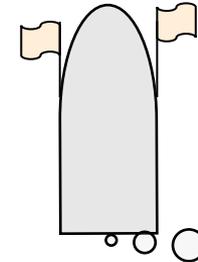


EVERYONE *should be*

- Safe
- Reliable
- Friendly
- Knowledgeable
- Fun



# Race Committee Crew



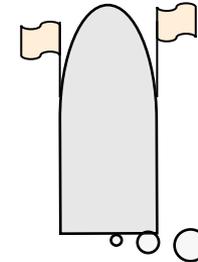
Race  
Committee  
Boat

🚩 **Principal Race Officer** –  
primarily responsible for the management of the race course and has final authority on all matters.

🚩 **Timer** -  
keeps the time before and after the start, and precisely calls out the starting sequence.



# Race Committee Crew

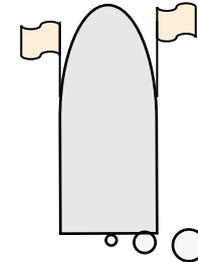


🚩 **Signaler** -  
is responsible for visual signals given by the R/C.

🚩 **Sounder** -  
is responsible for sound signals: gun, horn, or whistle.

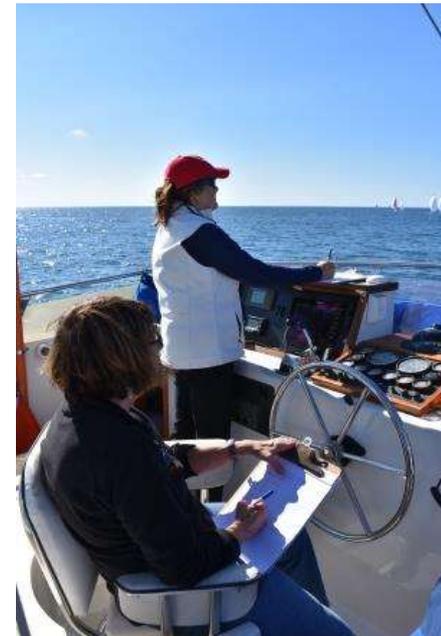
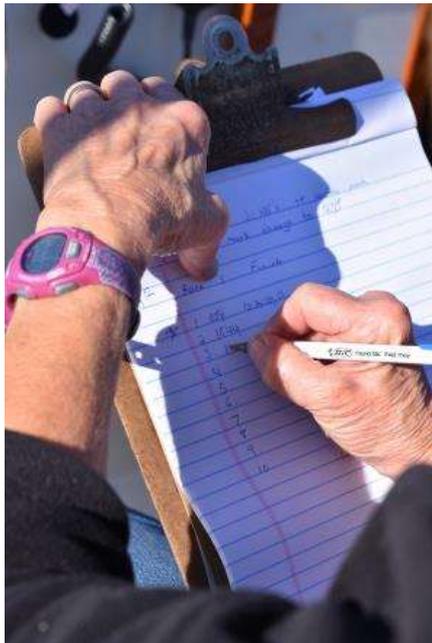


# Race Committee Crew

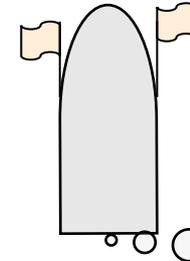


## 🚩 Spotter/recorder -

logs all boats starting and finishing, wind readings, bearings to marks, etc.



# Race Committee Crew



## Scorer —

primarily responsible for calculating the scores for each race and posting the results.

Welcome to **Regatta Scoring Solutions**  
Version 2.31

Regatta Title  
**April ODW  
for PC and Beneteau 36.7s**

Regatta Dates  
**April 1, 2006**

Number of Races **3**

**New Regatta - Step 1**  
**Enter Boats - Step 2**  
**Regatta Results**  
**Fleet Roster**  
**Exit Program**

April ODW  
for PC and Beneteau 36.7s

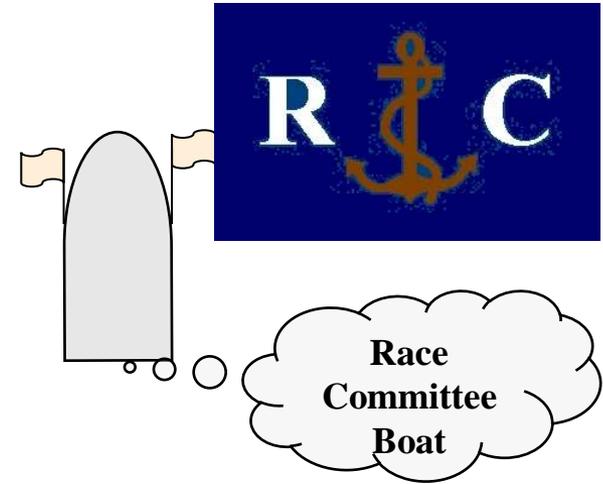
Page: 11

Place	#	Skipper	Boat Name	Class	CR	Start	Race 1	Race 2	Race 3	Total
1	7001	Chick and Alan Dyle	Kia	SBYC	199	Apr 30.7	1	1	1	3
2	58266	Andy and Cassie Ferkel	Tahiti	SBYC	199	Apr 30.7	2	2	2	6
3	36764	Evk Carlson	Akalis	ORA	199	Apr 30.7	4	3	3	10
4	12	Moosey/Geece	Tromas	MBYC	199	Apr 30.7	3	4	4	11
1	62	John Brighton	John's Wylie Meece	SBYC	199	Apr 30.7	3	1	1	4
2	18	Dorett Overmold	Mira	SBYC	199	Apr 30.7	1	3	3	7
3	14	Deane Lindley	La Comanche	SBYC	199	Apr 30.7	4	2	4	10
4	31	Tom Halbert	Daylak	SBYC	199	Apr 30.7	3	4	2	13
5	66	Don Lorenson	Emma 66	SBYC	199	Apr 30.7	5	5	5	15
6	9	Vance Gustafson	Sub	SBYC	199	Apr 30.7	7	4	6	17
7	21	Bob Collins	Golden Truck	SBYC	199	Apr 30.7	8	8	8	24

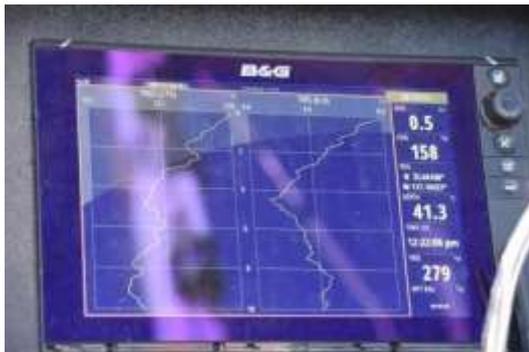
Key: Race 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



# Race Committee Crew

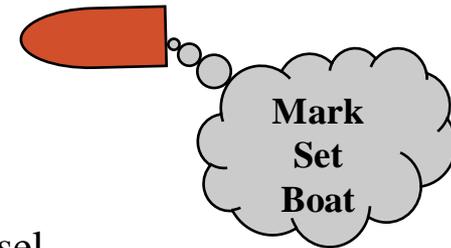


- 🚩 **Line Sighter** -  
on our committee, usually the PRO.
- 🚩 **Wind Reader** —  
on our committee, usually the recorder.
- 🚩 **Boat Operator** -  
responsible for equipment and operation of assigned R/C vessel.



# What it's all about...





## 🚩 Mark Boat Operator –

responsible for equipment and operation of assigned R/C vessel, drives the markset boat, navigates and communicates with other R/C boats.

## 🚩 Mark Setter –

inflates, hooks up, sets and retrieves course marks from the Markset boat.



# What it's all about...



# What do the Competitors Expect from the Race Committee?

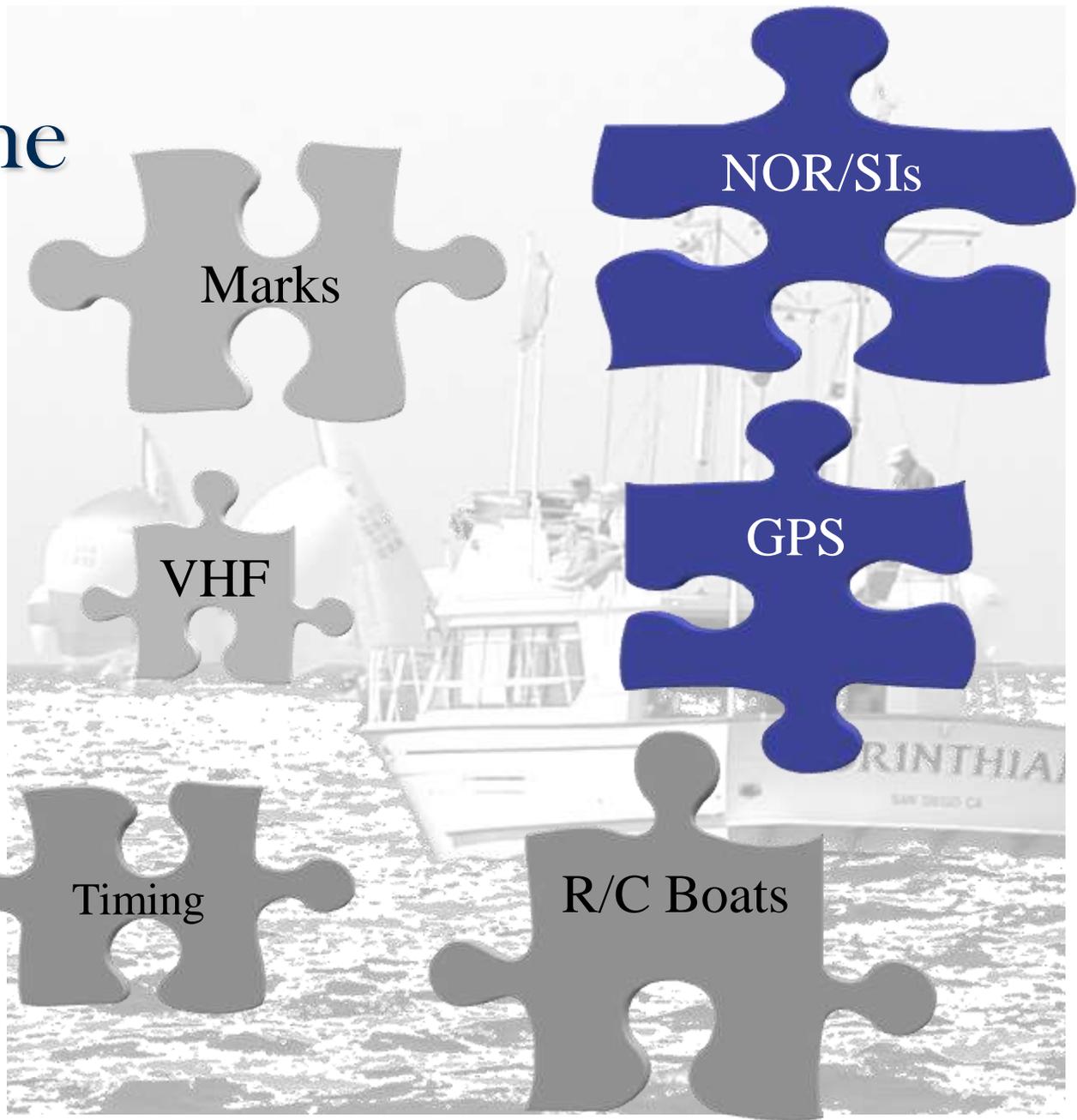
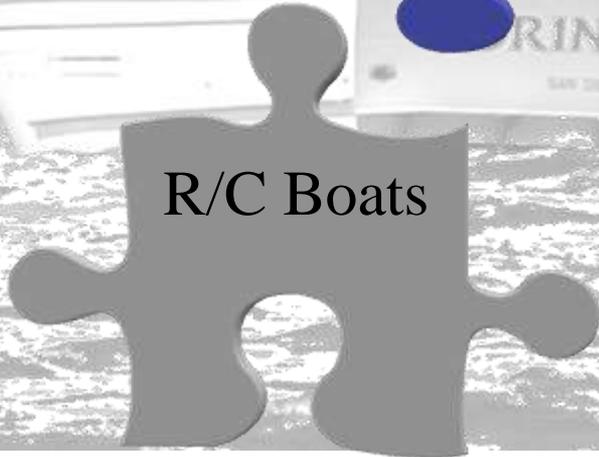


- **PERFECTION!**

🚩 *Our mistakes affect their racing...*



# Tool Time



# R/C Boats

## 🚩 Corinthian — 43' Trawler

- ✚ Primary Signal boat.
- ✚ Sturdy, well equipped, protected from weather

## 🚩 Steiger (Roseville / Bessemer) — 23' Cuddy-cabin

- ✚ Primary Mark boat
- ✚ Sturdy, well equipped, protected from weather

## 🚩 Intrepid (No Sails) — 28' Walk-around / Center Console

- ✚ Primary Pin end boat and Secondary Signal boat
- ✚ Fast, versatile, stable

## 🚩 RIB (Corner Office / Home Office) - 24' Inflatable Center Console

- ✚ Pin boat, Mark boat, VIP, Spectator, Judge, Photo boat

## 🚩 Volunteer — Anything

- ✚ Signal boat, Mark boat, VIP, Spectator, Judge, Photo boat



# “Corinthian” - Towboat



# “Corinthian” – Signal Boat



*Green Flash Brewery, Nonsallina 2015*

# “Pista” – Leeward Markset



# “Roseville” – Windward Markset



# “Bessemer” – Line /Check In



# “Corner Office” – Photo/Media



# 17' Whaler- Umpire



# “Home Office” - Support



# NOR / SIs

## 🚩 Notice of Race –

- ⚡ Time, Date and Location

- ⚡ Entry Information

- ⚡ Rules

- ⚡ Schedule of Events

## 🚩 Sailing Instructions -

- ⚡ Courses

- ⚡ Schedule of Races

- ⚡ Procedures



# VHF Radios

## 🚩 Etiquette –

- ✚ “Calling boat”...this is “boat calling”...(Pause)
- ✚ After speaking use “over” if difficulty hearing
- ✚ Be brief – its not a telephone– LOTS of listeners

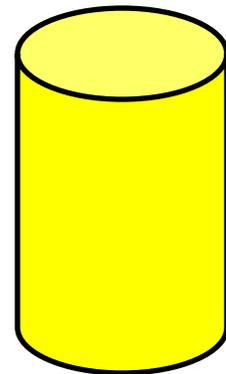
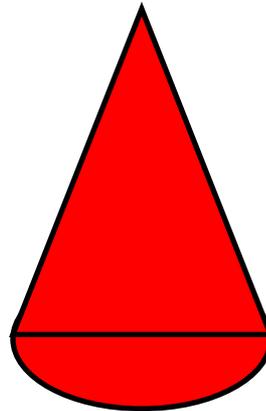
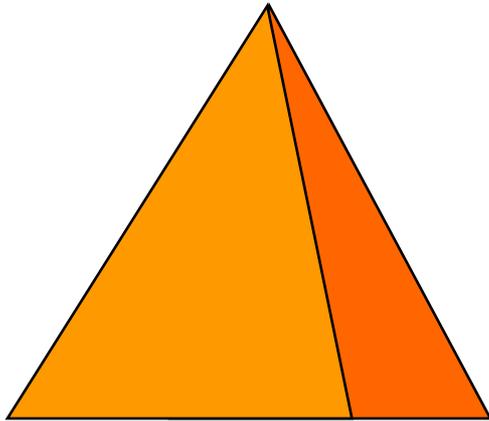
## 🚩 Appropriate Channels:

- ✚ 16 = main hailing channel
- ✚ 68, 69, 72 = common regular traffic channels
- ✚ 13 = also commercial traffic channel



# Marks

- Tets, Cones and Cylinders
- 8' or 5'
- Orange, red or yellow
- Used for start lines and turning marks, gates, finish lines, offsets, etc.



# GPS

🚩 Input -

⊕ Page Menus

⊕ Scrolling with Buttons

🚩 Output -

⊕  $xxx^{\circ} xx'xx'' =$

$1^{\circ} \quad 60 \text{ n.m.} \quad 1 \text{ n.m./6000}' \quad 600' \quad 60''$

⊕  $xxx^{\circ} xx'.xx =$

$1^{\circ} \quad 60 \text{ n.m.} \quad 1 \text{ n.m./6000}' \quad 600' / 100^{\text{ths}}$



# Compass

🚩 360°

🚩 North = 000° or 360°

🚩 South = 180°

🚩 West = 270°

🚩 East = 90°

🚩 Reciprocal math (heading - 200 + 20)

🚩 Perpendicular math (heading -/+ 100, +/-10 for lines)



# Timing

## 🚩 Countdown

🚩 Used for starts, automated if desired

## 🚩 Script

🚩 Used for starts, aids focus, minimizes mistakes

## 🚩 Running Clock

🚩 Used for calculating time around the course

## 🚩 Computer

🚩 Used for trapping finish times for each boat, import into score program

## 🚩 Printing Stopwatch

🚩 Used for recording finish times



# Recording and Posting

## 🚩 Number your sheet ahead of time

✚ Used for check in and finishes

## 🚩 Neatness counts

✚ Writing down numbers and/or times

## 🚩 Be aware of transpositions

✚ Scorer's worst enemy

## 🚩 'Approved' results posted on Notice Board

✚ Principal Race Officer or Race Administrator should check scores.

✚ Copies should be provided for R/C 'Bible', Race Office and competitors



# Sounds

🚩 **Air Horn** — Loud, directional, variable, small

✚ Expensive, directional, runs out

🚩 **Boat Horn** — Durable, convenient, loud

✚ Directional, cumbersome

🚩 **Whistle** — Durable, directional

✚ Not loud

🚩 **Gun** — Loud, sharp, visual,

✚ dirty, dangerous, expensive

🚩 **Voice** — Cheap, Handy, directional, variable

✚ Not loud



# Flag Communication

- Unique meanings.
- Timing starts a top of hoist.
- Should be hoisted quickly.
- Sound signals accompanying some flag signals.
- Secure when not up.
- Careful they don't blow away.

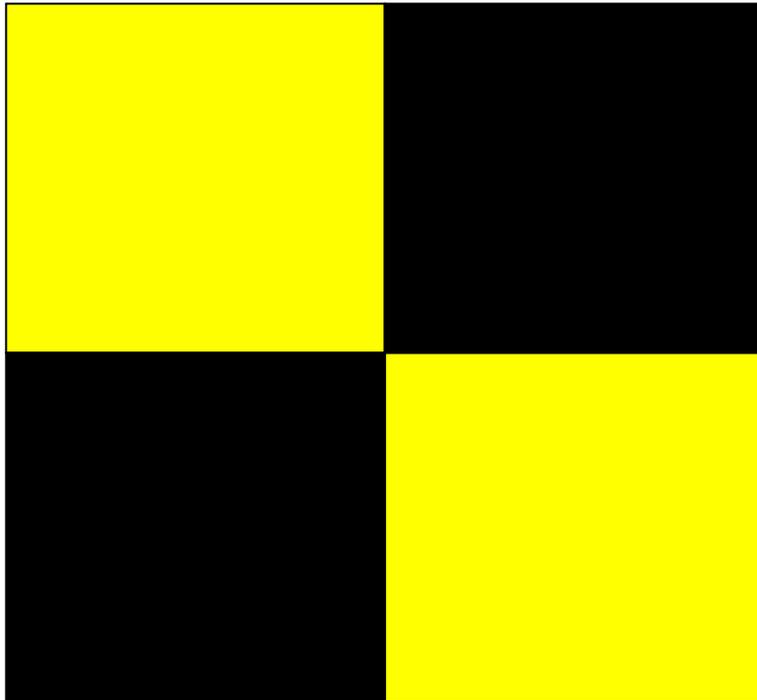


# “Orange” Flag



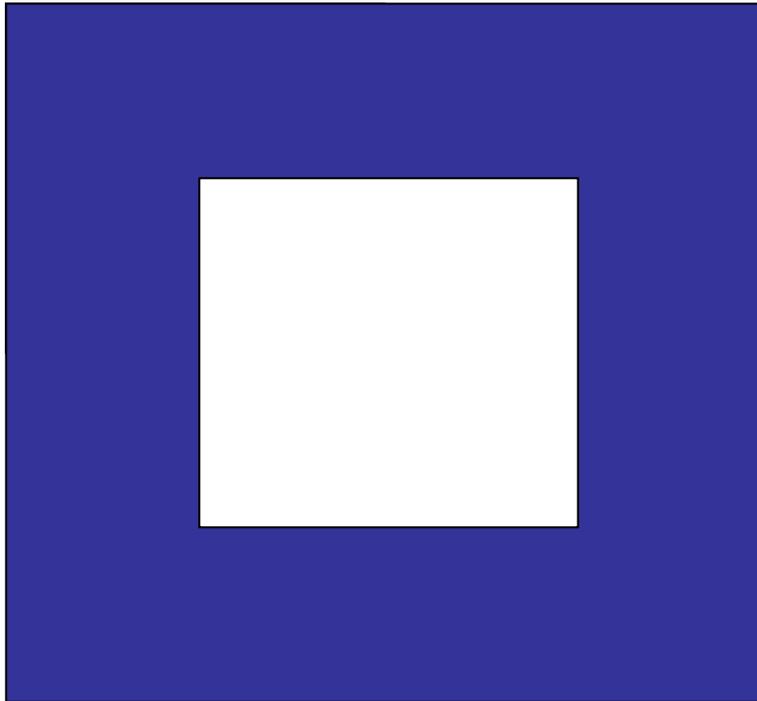
- “Orange” flag
- Start line
- Used to establish start line on R/C boat.
- Orange (not always a square).

# “L” Flag



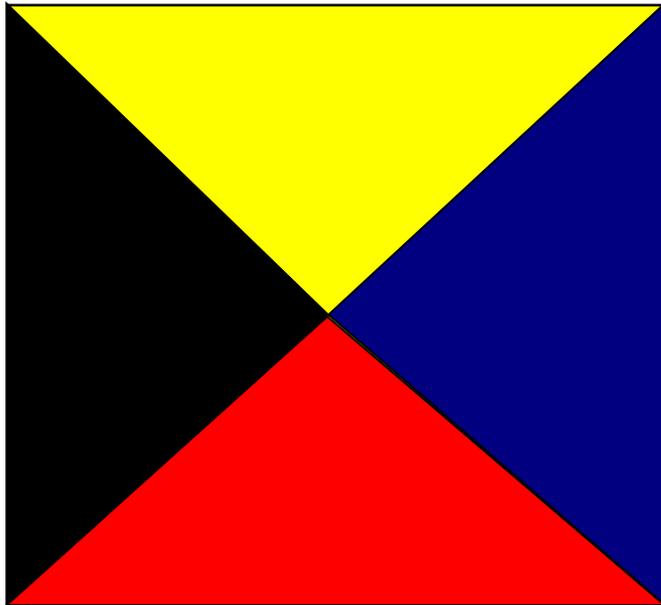
- “Lima” flag
- Come within hail
- Follow me
- Used for Check-in
- Used when moving R/C  
Signal boat to new start  
location.
- Yellow and black  
squares

# “P” Flag



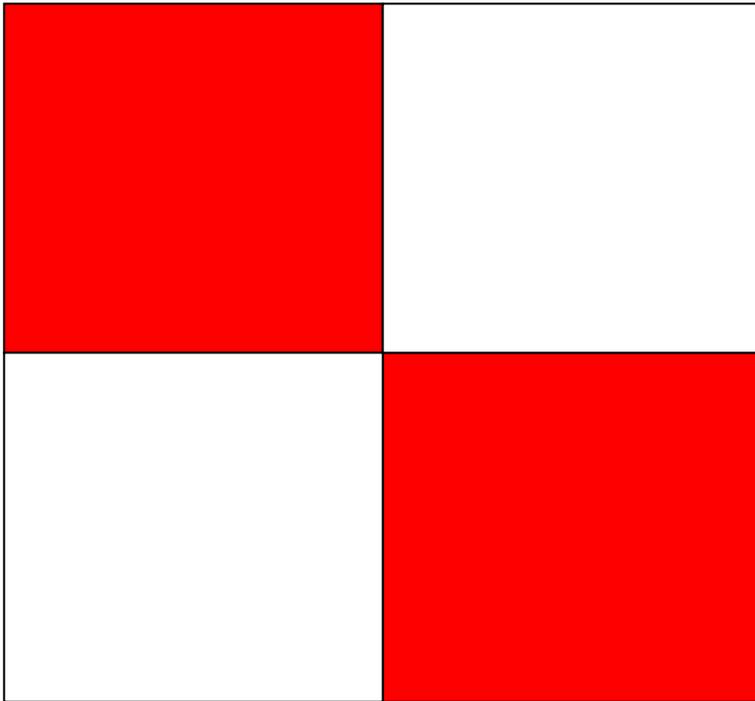
- “Papa” flag
- Preparatory Signal
- UP @ four minutes to start
- DOWN @ 1 minute to start
- Blue field with inner white square

# “Z” Flag



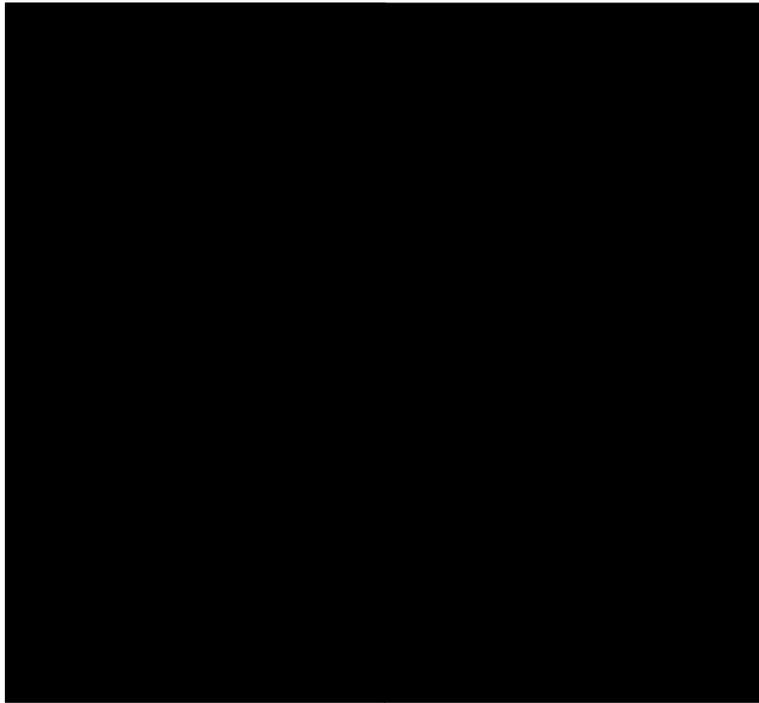
- “Zulu” flag
- 20% Starting Penalty
- Boats OCS (inside the triangle) must restart AND receive penalty # = 20% of entrants in fleet added to their finish place
- Yellow, black, blue and red triangles

# “U” Flag



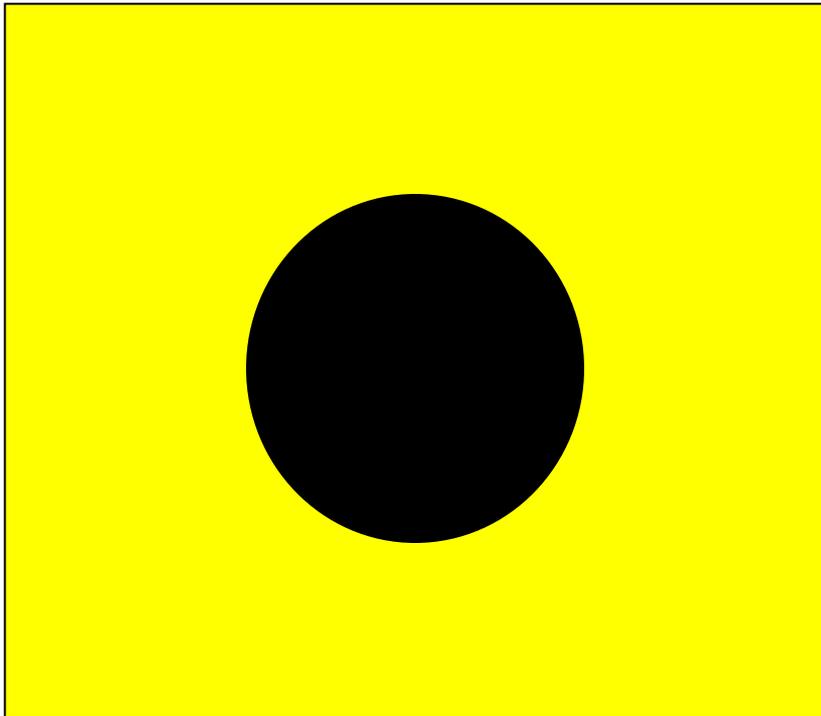
- “Uniform” flag
- Don't be over or else disqualified ...unless the race is restarted or resailed...
- Boats over the starting line (in the triangle) one minute prior to the start are disqualified.
- Red and white squares

# “Black” Flag



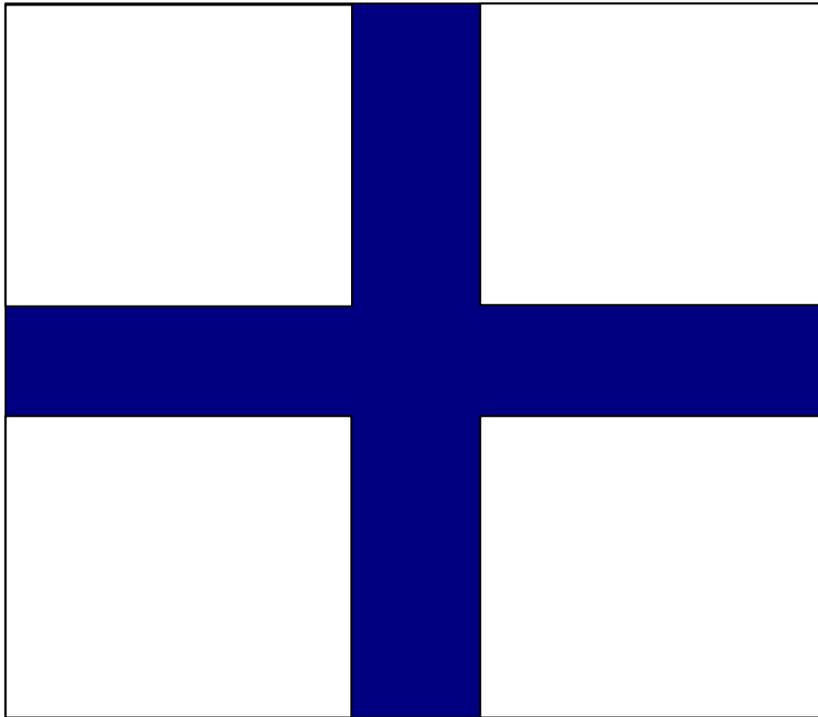
- “Black” flag
- Don’t be over or else disqualified even if race is restarted or resailed...
- Boats over the starting line (in the triangle) one minute prior to the start are disqualified.
- Used with very aggressive fleets
- Black square

# “I” Flag



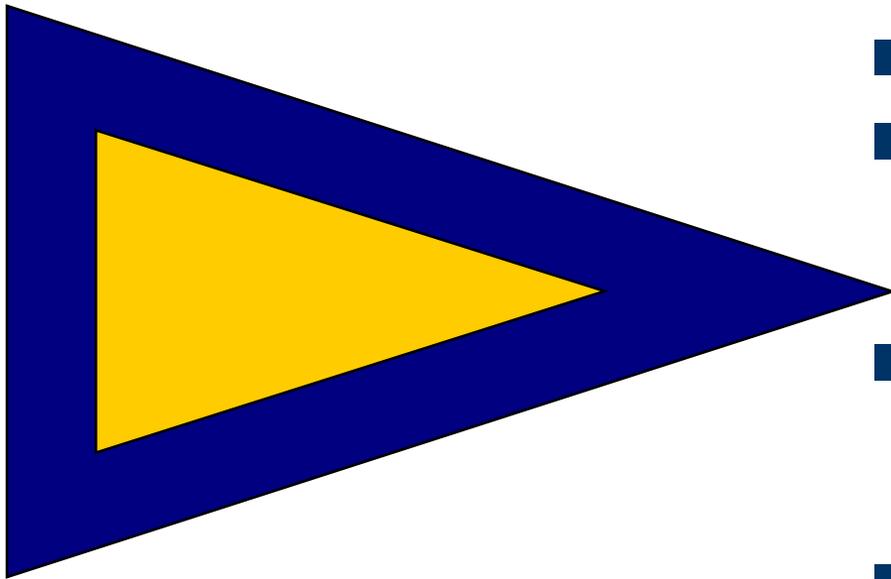
- “India” Flag
- a.k.a. “I” Flag Rule
- One Minute Rule
- ‘Around’ the ends Rule
- Used to dissuade boats from being over
- Used to identify and record boats over the line beginning one minute before the start.
- Black dot on yellow field

# “X” Flag



- “X-Ray” Flag
- Individual Recall
- Used to identify specific boats that were over the start line early.
- Blue “+” on white field

# 1<sup>st</sup> Substitute Flag



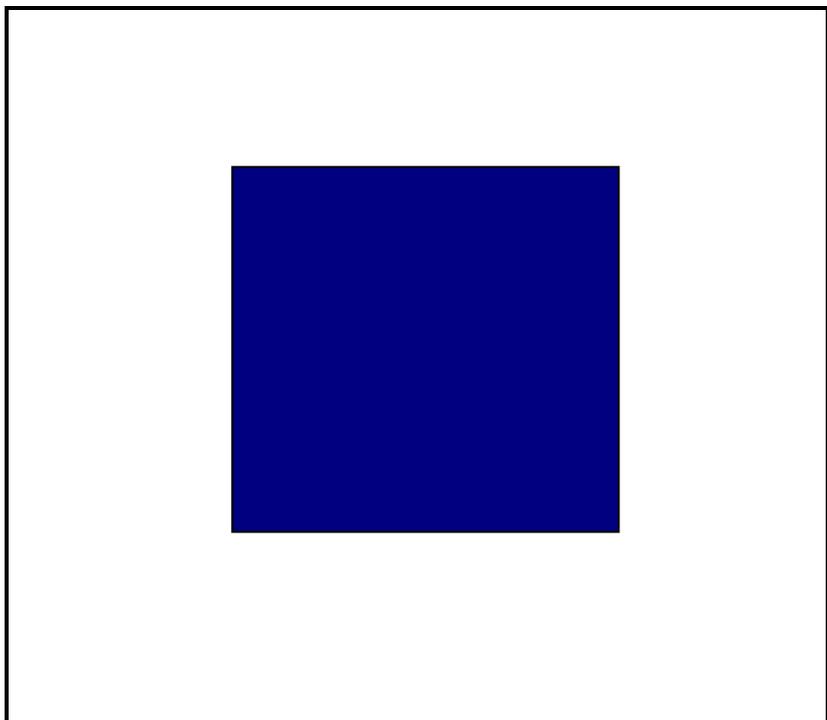
- “1<sup>st</sup> Sub” Flag
- General Recall
- Used when unidentified boats over early = unfair advantage.
- Recalls all boats back to the start line for another start.
-  Sound signals
- Yellow triangle, blue border

# “C” Flag



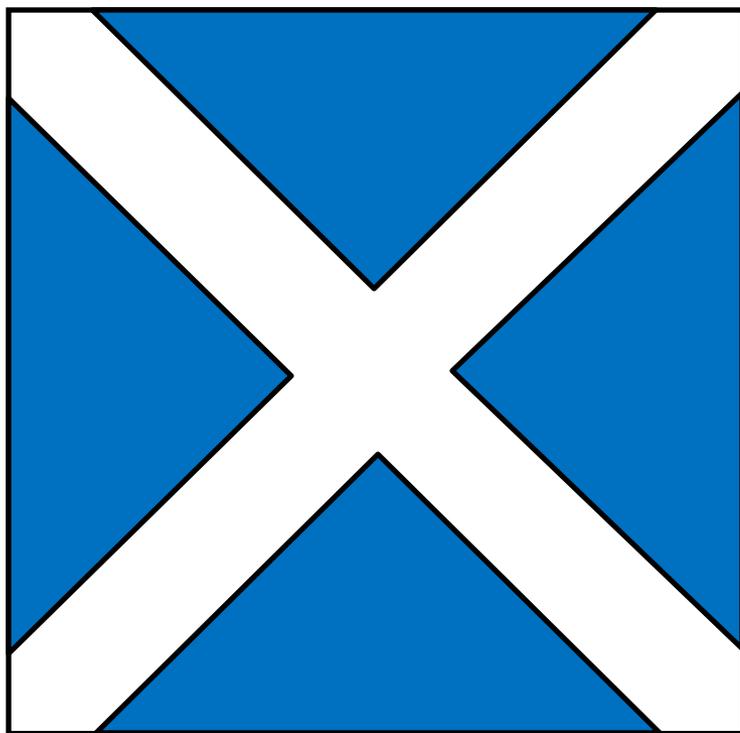
- “Charlie” flag
- Course Change
- Signals a new location for the next mark.
- 📢 📢 Sound signals
- Blue stripes outside, white and red stripes in the center.

# “S” Flag



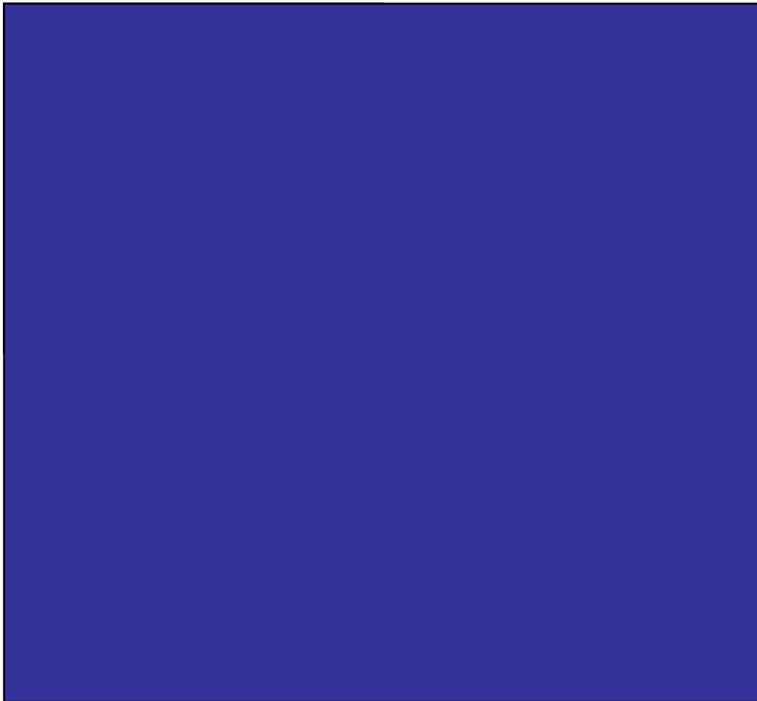
- “Sierra” flag
- Shorten Course
- Used to finish a race at a mark of the course before the prescribed finish
- Means finish between boat with “S” flag and nearby mark
-  Sound Signals
- Blue square on white field

# “M” Flag



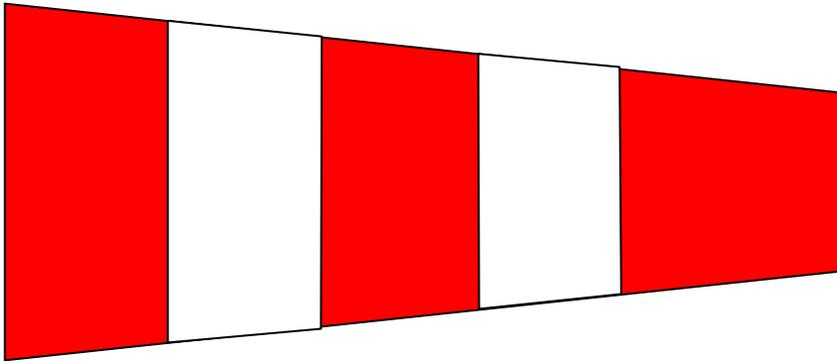
- “Mike” flag
- Missing Mark
- Used to replace a mark out of position or missing.
- Means boats should round this flag.
-  (repetative Sound Signals)
- White “X” on blue field

# “Blue” Flag



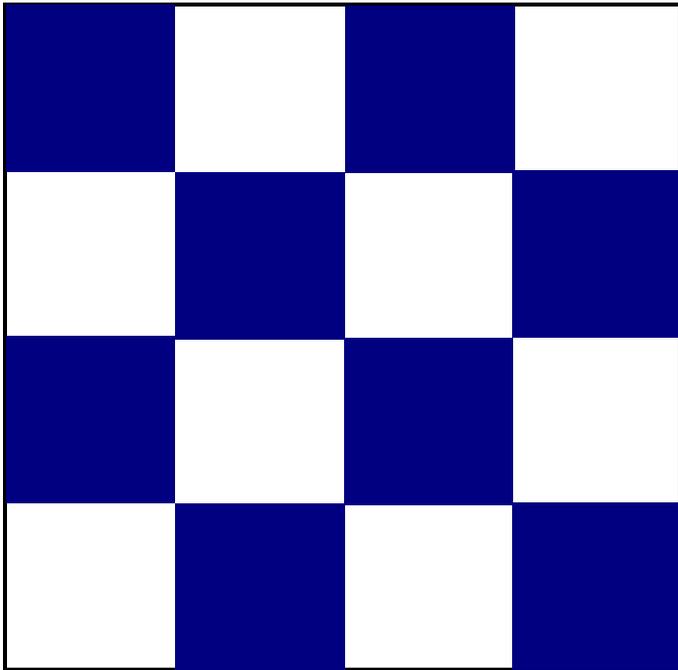
- “Blue” flag
- On Station
- Used to signal the boat is ready for finishes
- Courtesy, not required
- Blue shape

# “AP” Flag



- “Answering Pennant”
- Postponement
- Use to postpone all races not already started.
- May be combined with “A” [no more racing today] or “H” [further signals ashore]
-  Sound Signals
- Alternating red and white stripes

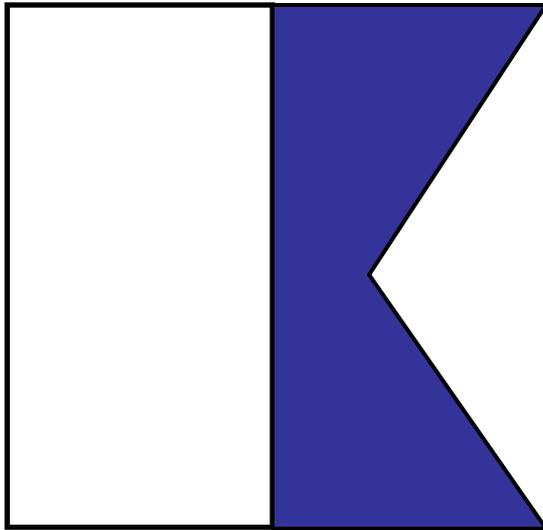
# “N” Flag



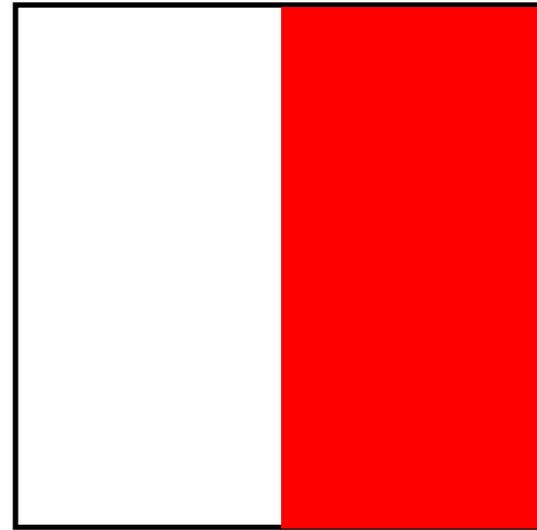
- “November” Flag
- Abandonment
- Use to abandon all races in progress. Return to the starting area. May be combined with class flags to be more specific.
- May be combined with “A” [no more racing today] or “H” [further signals ashore]
-  Sound Signals
- Blue and white checkered

# “A” Flag and “H” Flag

(used with “AP” and “N” flags)

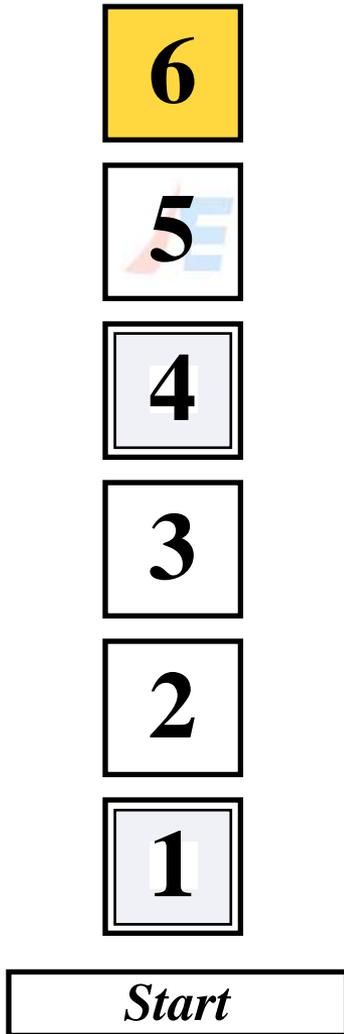


White and blue

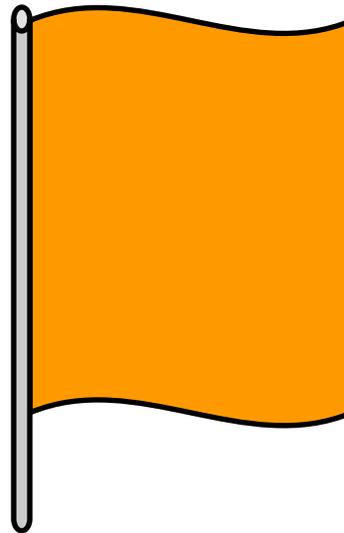


White and red

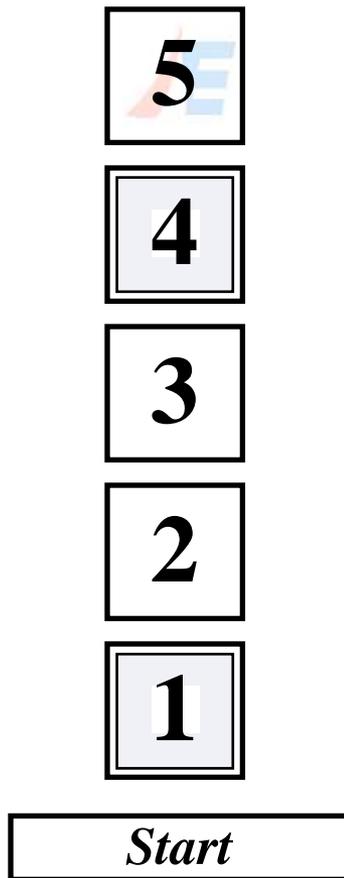
# Attention Signal – (courtesy)



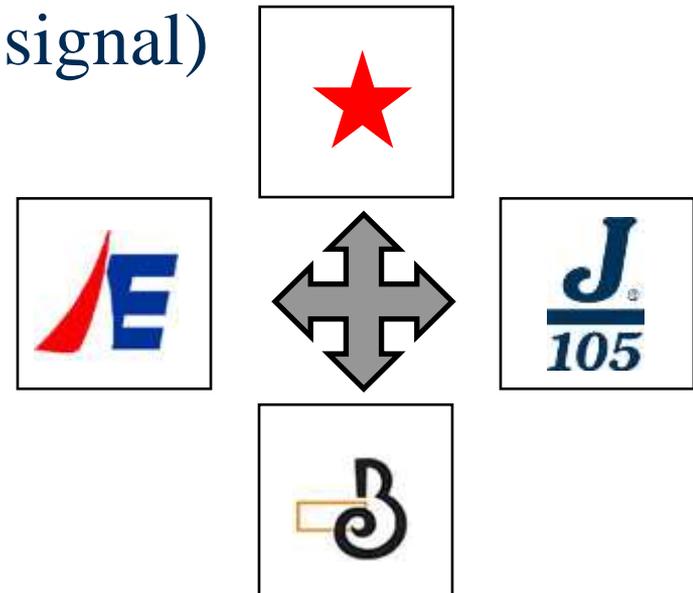
- Defined time prior to Warning  
*(usually 1 minute)*
- Line Flag (orange) up  
*(prior to or with)*
-  (5 short sound signals)



# Warning Signals - RRS 26

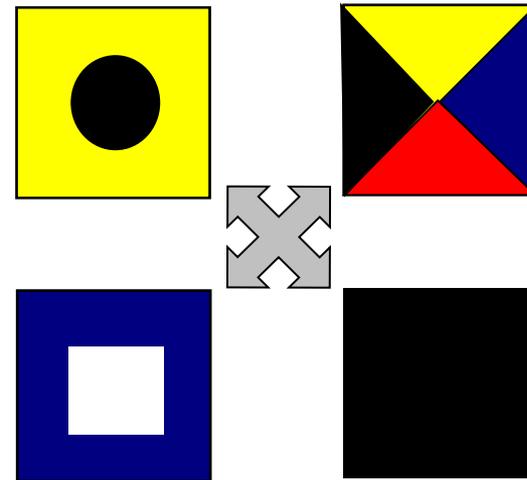
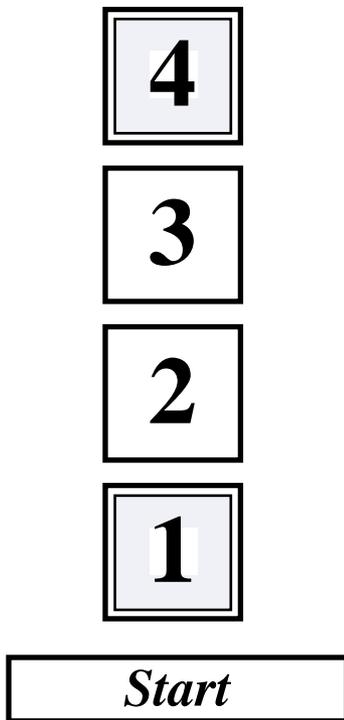


- 5 minutes to Start
- Starting Class Flag up
- Course & Wind posted  
*(prior to or with)*
-  (1 sound signal)



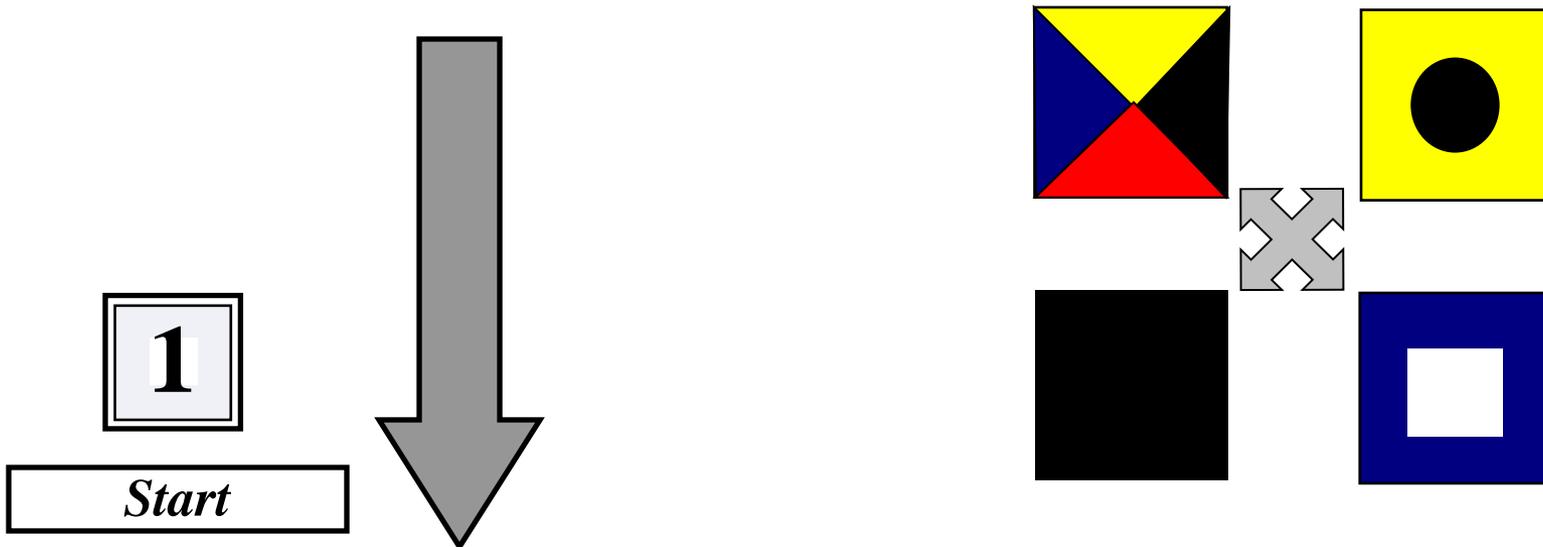
# Preparatory Signals -

- 4 minutes to Start
- “P” Flag or Starting Penalty
-  (1 sound signal)



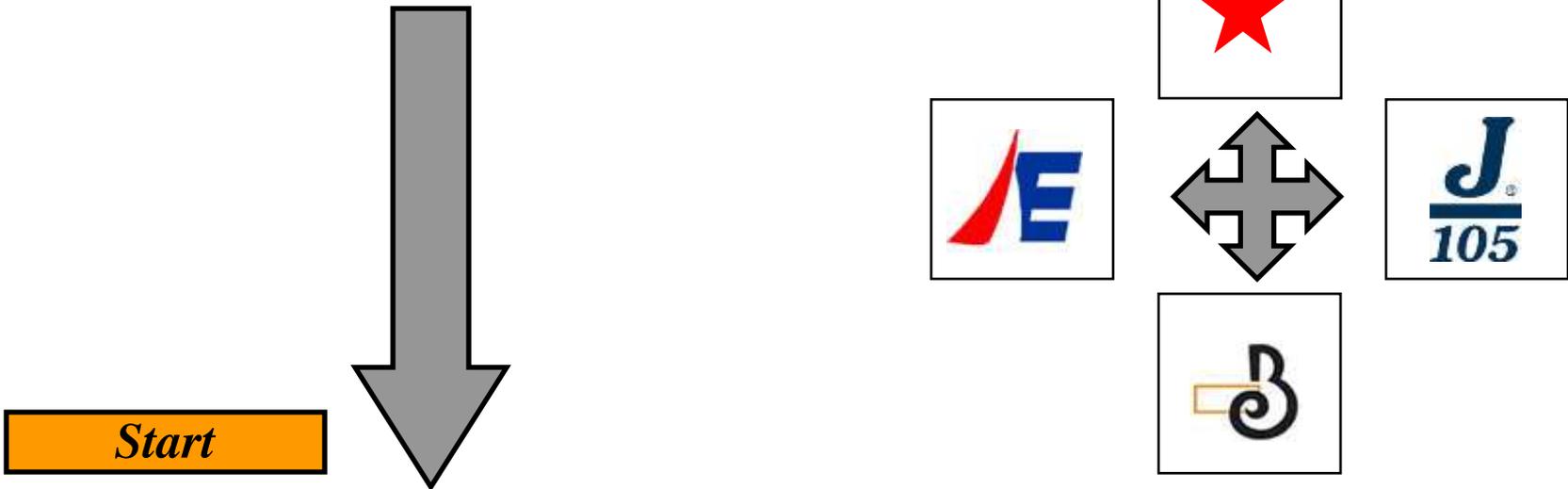
# One Minute to Start -

- 1 minute to Start
- “P” Flag or Starting Penalty flag down
- 📢 (1 LONG sound signal)



# Start Signals -

- 0 minutes to Start
- Class flag down
-  (1 sound signal)
- For multi-class starts, R/C will stipulate signal sequence in SIs.



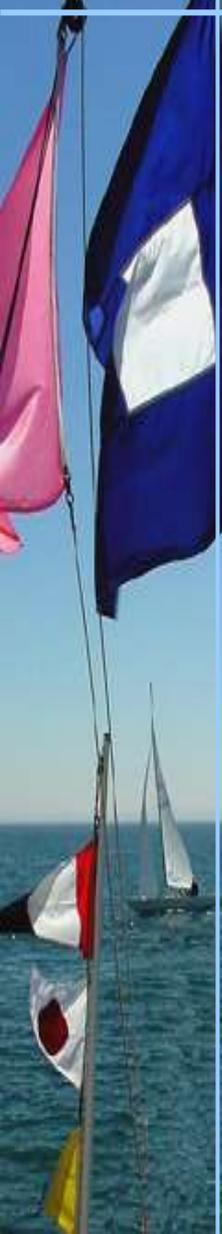
# Where to Get More Information

- Other training sessions
  - US SAILING Seminars
  - Club Seminars
- Articles, Magazines, electronic sources
  - Speed and Smarts, Sailing World
  - Scuttlebutt – Sailing Anarchy – etc.
  - [www.ussailing.org](http://www.ussailing.org)
  - [www.sailing.org](http://www.sailing.org)





# *Questions*



# Thank You!



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