

CORDER RACE OFFICIAL EQUIPMENT LIST

SIGNAL / MARKSET BOAT

Quest 187 18ft center console powerboat with Johnson 150hp outboard & EZ Loader trailer
 Raymarine depth, speed and water temp
 OEM 100ft anchor with holding force rating signal flags
 many 1 5lb Burdon anchor with 100ft 3/8 line
 1 5lb mushroom kettle weight with line/hackle to keep centerboards from snagging anchor
 1 Extra 90ft 3/8 anchor with thimble
 1 10lb coated Danforth anchor with 100ft 3/8 line
 2 telescoping boat hooks

RACE MARKS

6 3ft tall x 2 ft diameter orange ETP cylinders with 4ft anti-chafe wrapped counter weight chains
 2 3ft tall x 2 ft diameter yellow ETP cylinder with 4ft anti-chafe wrapped counter weight chain
 2 22in diameter Taylor Made red round tender style marks
 2 22in diameter white with 4ft anti-chafe wrapped counter weight chains
 1 22in blue buoyant float with 4ft anti-chafe wrapped counter weight chain
 5ft diameter 2ft tall orange APS pumpkin marks
 1 Lithium powered handheld inflator with multiple nozzles, 2 batteries & charger in Pelican case
 2 12v cigarette outlet wired inflators with multiple nozzles

ANCHORS

6 10lb river anchors with 32in of 3/8in chain
 3 10lb mushroom anchors with 32in of 3/8in chain
 2 5lb mushroom anchors with small chains and galvanized clip shackles

GROUND TACKLE

10 100ft x 2 1/4 inch reflective orange anchor lines with threaded shackles on adjustable line keepers
 4 35ft x 3/16 inch white anchor lines on small line keepers
 2 60ft 1/4in lines with shackles at the end
 2 75ft 3/8 in lines
 3 25ft 3/8 in lines for shallow water or towing dinghy sailboats

SIGNAL BOARDS

1 single digital course number board
 1 3-digit course direction board
 1 3-digit course distance board
 2 Charlie "change" boards
 1 Penn Race Number signal board with 10 different sail color squares
 1 Custom Team race Number signal board
 1 white board with markers

SIGNAL FLAGS

FLAG	PURGE	12x16	12x24	18x24	22x22	24x24	24x26	35x35
RC blue	Mark Set Boat	5ft pole						no pole
RC yellow	Mark Set Boat		4ft pole					
orange	start line			no pole	5ft pole	10ft pole		
orange	start line pin end					10ft pole		
P (Papa)	prep					7ft pole	10ft pole	
I (India)	starts						7ft pole	
Z (Zulu)	starts						5ft pole	no pole
U (Uniform)	starts						7ft pole	10ft pole
BLACK	starts						no pole	
X (X-ray)	image recall						5ft pole	no pole
1st/15ft	den recall	6ft pole						
X & 1st SUB	double-ended			7ft pole	10ft pole			
C (Charlie)	change course						7ft pole	
C (Charlie)	change course						4ft pole	
S (Sierra)	start course					7ft pole		7ft pole
A (Alpha)	postpone						5ft pole	10ft pole
N (November)	abandon						5ft pole	10ft pole
H (Hotel)	N + signals ashore						5ft pole	10ft pole
A (Alfa)	N + end of day						7ft pole	
U (Uniform)	image recall						5ft pole	
M (Mike)	missing mark						8ft pole	
yellow	misc							
F (Foxtrot)	match racing						7ft pole	
V (Victor)	monitor radio							
L (Lima)	hail, follow-me							
Pennant 1							5ft pole	10ft pole
Pennant 2							5ft pole	
Pennant 3							5ft pole	
Pennant 4							5ft pole	
Offshore	Class flag						5ft pole	
Optimist	Class flag						5ft pole	
Butterfly	Class flag						5ft pole	
Radial IICA 6	Class flag						5ft pole	
Laser IICA 7	Class flag						5ft pole	
One 420	Class flag						5ft pole	
pink	Class flags (20)						5ft pole	
extra poles	long & short							

TEAM RACING SIGNAL BOARDS & FLAGS

1 Team Race starting signal board with 10 different sail color squares
 1 Custom Race Number signal board

MATCH RACING SIGNAL FLAGS & SIGNAL BOARDS

1	24x24 Foxtrot "F" flag on 7ft pole
1	24x24 Papa "P" flag on 7ft pole
2	16x24 solid blue on 6ft pole
2	16x24 solid yellow on 3ft pole
1	16x36 pennant 1 on 6ft pole
1	16x36 pennant 2 on 6ft pole
1	16x36 pennant 3 on 6ft pole
1	16x36 pennant 4 on 6ft pole
1	16x24 Charlie "C" flag with 16x24 green flag on 7ft pole
1	24x24 Charlie "C" flag with 16x24 green flag on 7ft pole
1	24x24 Charlie "C" flag with 16x24 white flag on 7ft pole
1	24x24 Charlie "C" flag with 16x24 red flag on 4ft pole
1	24x24 Charlie "C" flag with 16x24 green flag on 4ft pole
1	24x24 Charlie "C" flag with 16x24 white flag on 4ft pole
1	Custom Race Number signal board

ON THE WATER JUDGING FLAGS

2 sets Green/Red/Black Team Race Umpire flags
 yellow flags for RRS 42 Fleet Race judging/jumping

TECHNICAL EQUIPMENT, ETC.

1	permanently mounted VHF radio (on 18ft center console boat)
5	Handheld VHF radios with chargers, 2 with remote mics
7	two-way walkie-talkie radios
1	Garmin GPS with GPS mount mounting brackets
2	AOFAIR 6X waterproof anemometers
1	Windtronics 2 wind speed instrument w/ flex mount
2	Windse160 wind speed instruments w/ extension handles
1	Vaavud WeatherPro Bluetooth wind meter
1	Windex 360 handheld wind meter
1	Stopwatch
4	digital clock/countdown timers with seconds display
3	digital voice recorders on lanyards
1	Windex 360 direction indicator on carbon pole
many	many
1	7x50 binoculars with integrated compass
1	Nautos IRIS 50 hand bearing puck compass
2	handheld fluid compasses
1	iStart audio sound system with carbon rod holder mount & extra set of remote horns
4	battery powered hand air horns with extra batteries
4	handheld air horns - variety of nozzle sizes
many	cans of compressed air
1	70 db handheld electronic horn/whistle
1	Spaline 1000 electronic whistle
1	medium whistles on lanyards
1	pocket whistles
many	spare batteries for all the above
3	Clipboard with document compartments

SMARTPHONE APPS

iNavX	BUOY	BuoyWhale	RadarUS+
iSailGPS	RadarOmega	BuoyData	RadarPlus
MarkSetBot	RadarScope	WindAlert	NOAA Radar
Buoy Zone	SailFlow	Windy	iTacTic
Kwindos Tracker	PredictWind	StormRadar	Lightning Pro
Kwindos Race Committee	SailGuru	Wunderground	Windhub

REGATTA REGISTRATION & SCORING

*All packed in a rolling Pelican case
HP laptop computer with all relevant software
HP printer w/ event management
stamp pad, pencils, markers, dry-markers, etc
extension cord and power strip
pink ribbon for identifying Opti Green Fleet boats

REFERENCE, JUDGING & PROTEST HEARINGS

printed Racing Rules of Sailing	World Sailing Case Book
ISSA Procedural Rules	World Sailing Appeals Book
ISSA Dinghy Class Rules	US Sailing Judges Manual
ICSA Procedural Rules	Rule 14 Decision Tree
ICSA Dinghy Class Rules	Protest Hearing Procedures
Powerboat Class target time glossary	Preferred Standard Wording
Target Time Tables for numerous boat designs	Scriptures
Optimist Go / No-Go Table	Contact & Damage
full set of magnetic protest models	Facts & Conclusions
World Sailing Jury Policies & Discretionary Penalties	Validity Reference Page
blank	Protest Forms
blank	Protest Forms
blank	Validation Checklists
blank	Hearing Checklists
blank	Hearing Schedule Tables
blank	Hearing Results Tables

* most of the above also on smartphone and iPad Pro