



Pre-Race Risk Assessment Checklist OC Meeting Report

Event: _____ Date & Time: _____

In attendance

Race Officer: _____ Safety Officer (if not RO): _____

Club Captain: _____ Senior Staff Member: _____

Class Rep: _____ Other: _____

Current weather forecast & observations

(any doubt, please call the BOM on 9669 4981 or 9669 4965)

BOM Warnings: _____

BOM Forecast:

Temperature	Rain/Fog/Clouds/Sun	Wind Speed	Wind Direction	Wave Height

Current observations on-sight:

Temperature	Sun/Rain/Fog/ Clouds/Lightning	Wind Speed	Wind Direction	Sea State	Tide

Other: _____

Safety

Are the conditions suitable to race? _____

If marginal, which additional safety measures will be taken? _____

Which boat class is sailing and what is the skill level? _____

How many Patrol Boats are on course? _____

Are 2 persons available per Patrol Boat? _____

Does Emergency Procedure need adjustments? _____

Other: _____



If crossing the channel,

- was an AEA handed in? _____
- has the RO updated the Harbour Master at least 1 hour prior to the Race about changes and enquired about commercial traffic during race time? _____
- who is the RC Member responsible for monitoring Channel 12? _____

Course Selection

Course Description: _____

How many Races? _____

Racing Area: _____

Any Safety issues related to Racing Area? _____

Prepared for Shorten Course or Change of Course? _____

Which Radio Channel will be used? _____

Other Races in the area today? _____

Role of Tower (e.g. Safety or Box Start/Finish)? _____

Other: _____

Are all key decision makers capable of good decision making and agreeing to the approach?

Wind speed descriptions

(Derived from the Beaufort Wind Scale.) Wind speeds are given as the equivalent speed, averaged over 10 minutes at a standard height of 10 metres above open flat ground or sea. Wind speed is given in km/h in land areas and knots in marine areas.

	Units in km/h	Units in knots	Description on Land	Description at Sea
Calm	0	0	Smoke rises vertically	Sea like a mirror.
Light winds	19 km/h or less	10 knots or less	Wind felt on face; leaves rustle; ordinary vanes moved by wind	Small wavelets, ripples formed but do not break: A glassy appearance maintained
Moderate winds	20 - 29 km/h	11-16 knots	Raises dust and loose paper; small branches are moved.	Small waves - becoming longer; fairly frequent white horses.
Fresh winds	30 - 39 km/h	17-21 knots	Small trees in leaf begin to sway; crested wavelets form on inland water	Moderate waves, taking a more pronounced long form; many white horses are formed - a chance of some spray
Strong winds	40 - 50 km/h	22-27 knots	Large branches in motion; whistling heard in telephone wires; umbrellas used with difficulty	Large waves begin to form; the white foam crests are more extensive with probably some spray
	51 - 62 km/h	28-33 knots	Whole trees in motion; inconvenience felt when walking against wind.	Sea heaps up and white foam from breaking waves begins to be blown in streaks along direction of wind.
Gale	63 - 75 km/h	34-40 knots	Twigs break off trees; progress generally impeded.	Moderately high waves of greater length; edges of crests begin to break into spindrift; foam is blown in well marked streaks along the direction of the wind.
	76 - 87 km/h	41-47 knots	Slight structural damage occurs - roofing dislodged; larger branches break off.	High waves; dense streaks of foam; crests of waves begin to topple, tumble and roll over; spray may affect visibility.
Storm	88 - 102 km/h	48-55 knots	Seldom experienced inland; trees uprooted; considerable structural damage.	Very high waves with long overhanging crests; the resulting foam in great patches is blown in dense white streaks; the surface of the sea takes on a white appearance; the tumbling of the sea becomes heavy with visibility affected.
	103-117 km/h	56-63 knots	Very rarely experienced - widespread damage	Exceptionally high waves; small and medium sized ships occasionally lost from view behind waves; the sea is completely covered with long white patches of foam; the edges of wave crests are blown into froth.

April - September: Maximum daytime temperature

Descriptive term	South of 33° S plus ranges	North of 33° S except ranges and tropics	Tropics
Warm	more than 20 °C	more than 25 °C	-
Mild	16-20 °C	20-24 °C	-
Cool	13-15 °C	15-19 °C	20-25 °C
Cold	10-12 °C	10-14 °C	less than 20 °C
Very cold	less than 10 °C	less than 10 °C	-

October - March: Maximum daytime temperature

Descriptive term	Inland plains	Coast and ranges south of tropics	Coastal tropics
Very hot	more than 40 °C	more than 37 °C	-
Hot	35-39 °C	32-37 °C	35-39 °C
Warm	30-34 °C	27-31 °C	Not used
Mild	25-29 °C	22-26 °C	-
Cool	20-24 °C	16-21 °C	-
Cold	less than 20 °C	less than 16 °C	-

Strong wind warning	Winds averaging from 26 knots and up to 33 knots.
Gale warning	Winds averaging from 34 knots and up to 47 knots.
Storm force wind warning	Winds averaging from 48 knots and up to 63 knots.
Hurricane force wind warning	Winds averaging 64 knots or more.

Wave explanations

Description	Height (metres)	Effect	WMO Sea State code
Calm (glassy)	0	No waves breaking on beach	0
Calm (rippled)	0 - 0.1	No waves breaking on beach	1
Smooth	0.1 - 0.5	Slight waves breaking on beach	2
Slight	0.5 - 1.25	Waves rock buoys and small craft	3
Moderate	1.25 - 2.5	Sea becoming furrowed	4
Rough	2.5 - 4	Sea deeply furrowed	5
Very rough	4-6	Sea much disturbed with rollers having steep fronts	6
High	6-9	Sea much disturbed with rollers having steep fronts (damage to foreshore)	7
Very high	9-14	Towering seas	8
Phenomenal	over 14	Precipitous seas (experienced only in cyclones)	9