

# Wind Management Plan

The purpose of this document is to assist event organizers with developing a detailed wind management plan. Some sections may not be applicable to your event. Please note that every event is unique, and your wind management plan may require additional information not included here.

## 1. Event Information

### 1.1. Event Name

### 1.2. Event Location

### 1.3. Key Contacts

Populate the following table with the names, responsibilities, and contact details of the key people involved in your wind management plan. This should include the individuals who are responsible for monitoring wind speeds, taking actions to mitigate risks, communicating warnings, and making decisions with respect to wind management.

Name	Role / Responsibilities	Phone Number	Email Address

## 2. Temporary Demountable Structures

Create a detailed list of all temporary demountable structures you plan to have on your event site. Include the name of the supplier or contractor for each structure, as well as the wind rating. Attach any relevant documentation, including designs, engineering drawings, certifications and specifications.

Structure	Supplier / Contractor	Supplier Phone	Supplier E-mail Address	Wind Rating

### 3. Wind Management Plans

Document the risks that would be present at the wind speeds indicated below, and provide the appropriate action that should be taken to prevent any injuries or equipment failures. These tables use the Beaufort scale ([Appendix A](#)) to set thresholds for wind speed, but feel free to use your own system.

#### 3.1. Wind Management Plan – Build / Construction Phase

Wind Speed		Risk / Concern	Mitigation / Action
Beaufort Rating	Km per Hour		
1	1 - 5		
2	6 - 11		
3	12 - 19		
4	20 - 28		
5	29 - 38		
6	39 - 49		
7	50 - 61		
8	62 - 74		
9	75 - 88		
10	89 - 102		

#### 3.2. Wind Management Plan – Operational Phase

Wind Speed		Risk / Concern	Mitigation / Action
Beaufort Rating	Km per Hour		
1	1 - 5		
2	6 - 11		
3	12 - 19		
4	20 - 28		
5	29 - 38		
6	39 - 49		
7	50 - 61		
8	62 - 74		
9	75 - 88		
10	89 - 102		

### 3.3. Wind Management Plan - Teardown / Deconstruction Phase

Wind Speed		Risk / Concern	Mitigation / Action
Beaufort Rating	Km per Hour		
1	1 - 5		
2	6 - 11		
3	12 - 19		
4	20 - 28		
5	29 - 38		
6	39 - 49		
7	50 - 61		
8	62 - 74		
9	75 - 88		
10	89 - 102		

#### 4. Wind Monitoring Plan

Document how you plan to monitor wind speeds throughout each phase of your event. Include details for monitoring wind speeds on site using anemometers, as well as a plan for monitoring weather forecasts. Assign responsibility for monitoring wind to one or more of the key contacts listed in [1.3. Key Contacts](#).

## 5. Appendix A – Beaufort Scale

Force (Beaufort Scale)	Wind Speed (km/h)	Description	Effects on Land
0	Less than 1	Calm	Smoke rises vertically
1	1 – 5	Light air	Direction of wind shown by smoke drift, but not wind vanes.
2	6 – 11	Light breeze	Wind felt on face. Leaves rustle. Ordinary vane moved by wind.
3	12 – 19	Gentle breeze	Leaves and small twigs in constant motion. Wind extends light flag.
4	20 – 28	Moderate breeze	Raises dust and loose paper. Small branches are moved.
5	29 – 38	Fresh breeze	Small trees with leaves begin to sway. Crested wavelets form on inland waters.
6	39 – 49	Strong breeze	Large branches in motion. Whistling heard in telephone wires. Umbrellas used with difficulty.
7	50 – 61	Near gale	Whole trees in motion. Inconvenience felt in walking against wind.
8	62 – 74	Gale	Breaks twigs off trees. Generally impedes progress. Walking into wind almost impossible.
9	75 – 88	Strong gale	Slight structural damage occurs, e.g. roofing shingles may become loose or blow off.
10	89 – 102	Storm	Trees uprooted. Considerable structural damage occurs.
11	103 – 117	Violent storm	Widespread damage.
12	118 – 133	Hurricane	Rare. Severe widespread damage to vegetation and significant structural damage possible.