



TCC Risk Assessment

Event: _____

Location: _____

Dates: _____

TCC General Emergency Response Plan



Event Location: _____ Date: _____

Site Address: _____

GPS Coordinate (to nearest entrance): Lat. _____ Long. _____

Nearest Access Route (e.g. University Road to Maile Way, etc.)

TCC Head Judge: _____ TCC Head Technician: _____

Emergency Response Assignments

Emergency Communications: _____

Emergency Services Phone #: _____

Emergency Meeting Point: _____

On-Site EMT?: _____ Radio #: _____

Nearest Hospital Phone #: _____

Type of Access (e.g. 4WD): _____

Site Safety Officer Phone #: _____

Nearest Landline Telephone #: _____

Helicopter Landing Site: _____

Additional Site Hazards (power lines, tripping hazards, access obstructions)

Alternative Weather Plan

TCC Committee Use Only

TCC Head Judge Signature: _____ Date: _____

TCC Head Technician Signature: _____ Date: _____

TCC/Ops Chair Signature: _____ Date: _____

TCC Generic Site Assessment

Y/N/NA	Code	Barriers
	A1	Barriers erected around stations and high risk areas
	A2	Exclusion zone sufficient size
	A3	Barriers easily removable in case of emergency

Public Paths and Access

	B1	Pathways wide enough to allow easy access and to avoid bottlenecks
	B2	Level, stable ground
	B3	Free from obstacles and trip hazards
	B4	Access from main road open and of sufficient width to allow entrance of emergency services
	B5	Pathways leading to closed off areas closed and barriered
	B6	Access for emergency vehicles sign-posted at entrance of venue

Trade Stands, Admin, and Catering Areas

	C1	Fire extinguishers (where applicable)
	C2	Electrical installations protected and insulated against water and accidental shock
	C3	Structures stable and secure (no change of collapse due to strong wind)
	C4	Appropriate First Aid kit present in admin area (or designated central area)
	C5	Means of communication between administration and rest of the site (comp stations)
	C6	Adequate amount of drinking water kept in admin area
	C7	Marked meeting point (in case of emergency or lost children)

Vehicles

	D1	Vehicles on site kept to minimum
	D2	Necessary vehicles to be parked so as not to block emergency access, paths or walkways
	D3	On-site vehicles safe and in good working order (not leaking oil or petrol that could lead to fire risk)

Comments:

Risk Assessment Completed By:

Head Judge Signature:

Head Tech Signature:

Date:

TCC/Ops Chair Signature:



TCC Tree Risk Assessment Form

Date _____ Time _____

Event _____

Assessor(s) _____

Tree Species _____

Target Assessment

Target Number	Target Description	Target Zone				Occupancy rate 1 - rate 2 - occasional 3 - frequent 4 - constant	Practical to move target?	Restriction Practical?
		Target within Drip line	Target Within 1 x Ht.	Target within 1.5 x Ht.				
1								
2								

Tree Defects and Conditions Affecting the Likelihood of Failure

--Crown and Branches --

Unbalanced crown LCR _____ %
 Dead twigs/branches _____ % overall Max. dia. _____
 Broken/Hangers Number _____ Max. dia. _____
 Over-extended branches

Pruning history
 Crown cleaned Thinned Raised
 Reduced Topped Lion-tailed
 Flush cuts Other _____

Cracks _____ Lightning damage
 Codominant _____ Included Bark
 Weak attachments _____ Cavity/Nest hole _____ % circ.
 Previous branch failures _____ Similar branches present
 Dead/Missing bark Cankers/Galls/Burls Sapwood damage/decay
 Conks Heartwood Decay _____
 Response Growth _____

Main concern(s) _____

Load on defect N/A Minor Moderate Significant
Likelihood of failure Improbable Possible Probable Imminent

-- Trunk --

Dead/Missing Bark Abnormal Bark Texture/Color
 Codominant Stems Included Bark Cracks
 Sapwood Damage/Decay Cankers/Galls/Burls Sap Ooze
 Lightning Damage Heartwood Decay Conks/Mushrooms
 Cavity/Nest Hole _____ % circ. Depth _____ Poor Taper
 Lean _____ ° Corrected? _____
 Response Growth _____
 Main Concern(s) _____

Load on defect N/A Minor Moderate Significant
Likelihood of failure Improbable Possible Probable Imminent

-- Roots and Root Collar --

Collar Buried/Not Visible Depth _____ Stem Girdling
 Dead Decay Conks/Mushrooms
 Ooze Cavity _____ % circ.
 Cracks Cut/Damaged Roots Distance From Trunk _____
 Root Plate Lifting Soil Weakness

Response Growth _____
 Main Concern(s) _____

Load on defect N/A Minor Moderate Significant
Likelihood of failure Improbable Possible Probable Imminent

Risk Categorization

Condition Number	Tree Part	Conditions of Concern	Part Size	Fall Distance	Target Number	Target Protection	Likelihood												Risk rating of part (from Matrix 2)				
							Failure				Impact				Failure & Impact (from Matrix 1)					Consequences			
							Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very Likely		Negligible	Minor	Significant	Severe
1																							
2																							

Matrix 1

Likelihood of Failure	Likelihood of Impacting Target			
	Very Low	Low	Medium	High
Imminent	Unlikely	Somewhat likely	Likely	Very Likely
Probable	Unlikely	Unlikely	Somewhat likely	Likely
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely
Improbable	Unlikely	Unlikely	Unlikely	Unlikely

Matrix 2

Likelihood of Failure & Impact	Consequences of Failure			
	Negligible	Minor	Significant	Severe
Very Likely	Low	Moderate	High	Extreme
Likely	Low	Moderate	High	High
Somewhat Likely	Low	Low	Moderate	Moderate
Unlikely	Low	Low	Low	Low

Mitigation Suggested	[please provide your mitigation recommendations for the Event Head Judge here]
-----------------------------	--

Overall Risk Rating (before mitigation) Low Moderate High Extreme
Overall Residual Risk Low Moderate High Extreme
Inspection Limitations None Visibility Access Vines Other

Event Risk Assessment Checklist

Y/N/NA	Code	
	E1	Trees prepared and pruned to reduce risk of falling debris and injury to climbers
	E2	Station free of trip hazards and obstacles. Ground as level as possible
	E3	Rescue plan formulated, practices and communicated to all judges and technicians

Comments:

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TCC Head Judge Signature:

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TCC Tree Risk Assessment Form

Date _____ Time _____

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 Cracks Cut/Damaged Roots Distance From Trunk _____
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Response Growth _____
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Matrix 2

Likelihood of Failure & Impact	Consequences of Failure			
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Main concern(s) _____

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Likelihood of failure Improbable Possible Probable Imminent

-- Trunk --

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-- Roots and Root Collar --

Collar Buried/Not Visible Depth _____ Stem Girdling
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 Root Plate Lifting Soil Weakness

Response Growth _____
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Risk Categorization

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Matrix 2

Likelihood of Failure & Impact	Consequences of Failure			
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TCC Tree Risk Assessment Form

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-- Trunk --

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Matrix 2

Likelihood of Failure & Impact	Consequences of Failure			
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Mitigation Suggested	[please provide your mitigation recommendations for the Event Head Judge here]
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Date:

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TCC Tree Risk Assessment Form

Date _____ Time _____

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 Response Growth _____

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-- Trunk --

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-- Roots and Root Collar --

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Matrix 2

Likelihood of Failure & Impact	Consequences of Failure			
	Negligible	Minor	Significant	Severe
Very Likely	Low	Moderate	High	Extreme
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Mitigation Suggested	[please provide your mitigation recommendations for the Event Head Judge here]
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Mitigation Suggested	[please provide your mitigation recommendations for the Event Head Judge here]
-----------------------------	--

Overall Risk Rating (before mitigation) Low Moderate High Extreme
Overall Residual Risk Low Moderate High Extreme
Inspection Limitations None Visibility Access Vines Other

Event Risk Assessment Checklist

Y/N/NA	Code	
	E1	Trees prepared and pruned to reduce risk of falling debris and injury to climbers
	E2	Station free of trip hazards and obstacles. Ground as level as possible
	E3	Rescue plan formulated, practices and communicated to all judges and technicians

Comments:

Risk Assessment Completed By:

TCC Head Judge Signature:

Date:

TCC Head Tech Signature:

TCC/Ops Chair Signature:



TCC Tree Risk Assessment Form

Date _____ Time _____

Event _____ Assessor(s) _____

Tree Species _____

Target Assessment

Target Number	Target Description	Target Zone				Occupancy rate 1 - rate 2 - occasional 3 - frequent 4 - constant	Practical to move target?	Restriction Practical?
		Target within Drip line	Target Within 1 x Ht.	Target within 1.5 x Ht.				
1								
2								

Tree Defects and Conditions Affecting the Likelihood of Failure

--Crown and Branches --

Unbalanced crown LCR _____ %
 Dead twigs/branches _____ % overall Max. dia. _____
 Broken/Hangers Number _____ Max. dia. _____
 Over-extended branches

Pruning history
 Crown cleaned Thinned Raised
 Reduced Topped Lion-tailed
 Flush cuts Other _____

Cracks _____ Lightning damage
 Codominant _____ Included Bark
 Weak attachments _____ Cavity/Nest hole _____ % circ.
 Previous branch failures _____ Similar branches present
 Dead/Missing bark Cankers/Galls/Burls Sapwood damage/decay
 Conks Heartwood Decay _____
 Response Growth _____

Main concern(s) _____

Load on defect N/A Minor Moderate Significant
Likelihood of failure Improbable Possible Probable Imminent

-- Trunk --

Dead/Missing Bark Abnormal Bark Texture/Color
 Codominant Stems Included Bark Cracks
 Sapwood Damage/Decay Cankers/Galls/Burls Sap Ooze
 Lightning Damage Heartwood Decay Conks/Mushrooms
 Cavity/Nest Hole _____ % circ. Depth _____ Poor Taper
 Lean _____ ° Corrected? _____
 Response Growth _____
 Main Concern(s) _____

Load on defect N/A Minor Moderate Significant
Likelihood of failure Improbable Possible Probable Imminent

-- Roots and Root Collar --

Collar Buried/Not Visible Depth _____ Stem Girdling
 Dead Decay Conks/Mushrooms
 Ooze Cavity _____ % circ.
 Cracks Cut/Damaged Roots Distance From Trunk _____
 Root Plate Lifting Soil Weakness

Response Growth _____
 Main Concern(s) _____

Load on defect N/A Minor Moderate Significant
Likelihood of failure Improbable Possible Probable Imminent

Risk Categorization

Condition Number	Tree Part	Conditions of Concern	Part Size	Fall Distance	Target Number	Target Protection	Likelihood												Risk rating of part (from Matrix 2)				
							Failure				Impact				Failure & Impact (from Matrix 1)					Consequences			
							Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very Likely		Negligible	Minor	Significant	Severe
1																							
2																							

Matrix 1

Likelihood of Failure	Likelihood of Impacting Target			
	Very Low	Low	Medium	High
Imminent	Unlikely	Somewhat likely	Likely	Very Likely
Probable	Unlikely	Unlikely	Somewhat likely	Likely
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely
Improbable	Unlikely	Unlikely	Unlikely	Unlikely

Matrix 2

Likelihood of Failure & Impact	Consequences of Failure			
	Negligible	Minor	Significant	Severe
Very Likely	Low	Moderate	High	Extreme
Likely	Low	Moderate	High	High
Somewhat Likely	Low	Low	Moderate	Moderate
Unlikely	Low	Low	Low	Low

Mitigation Suggested	[please provide your mitigation recommendations for the Event Head Judge here]
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