



TCC Event Risk Assessment

Event:

TCC Event Emergency Response Plan



Event: _____ Date: _____

Site Address: _____

Nearest Landmark (building name, statue, road information):

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

GPS Coordinates of Event: Lat. _____ Long. _____

Event Head Judge: _____ Event Head Technician: _____

Emergency Response Assignments

Emergency Communications: _____

Aerial Rescue Support: _____

Aerial Rescue Support: _____

Casualty Assessment: _____

Ground Tech Support: _____

Ground Tech Support: _____

Access/Crowd Control: _____

Access/Crowd Control: _____

Aerial Rescue Demo Performed (Must be signed off by TCC/Ops Chair): _____

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

TCC Committee Use Only

TCC Head Judge Signature: _____ Date: _____

TCC Head Technician Signature: _____ Date: _____

TCC/Ops Chair Signature: _____ Date: _____



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 Applied	
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Overall Risk Rating (after 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	Trees and Terrain
	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

Equipment and Installation

	F1	All installed equipment meets standards and inspected by a competent person
	F2	Anchor point of sufficient size and strength to avoid failure, braced if necessary
	F3	Stations set up to reduce risk of uncontrolled swings into the stem
	F4	Rescue equipment at station and rescue climber
	F5	Adequate amount of drinking water at station
	F6	Whistle or means of getting climber's attention
	F7	Setup installed by competent person
	F8	Relevant PPE worn at all times
	F9	Signs and barriers erected, exclusion zone created
	F10	Competent person on belay (where applicable)
	F11	Clear line of sight for person on belay (where applicable)
	F12	Switch over communication defined for belay (where applicable)
	F13	Belay line clear of climbing line (where applicable)

Communication

	G1	Means of communication with admin and ES (mobile) & fast access to First Aid kit
	G2	Rescue plan formulated, practices and communicated to all judges and technicians
	G3	Copy of emergency procedures at each station
	G4	All electronic communication equipment tested before event

Comments:

Risk Assessment Completed By:

Event Head Judge Signature:

Date:

Event Head Tech Signature: