### **HAZARD ID & RISK ASSESSMENT**



You may use these forms as required without obtaining prior consent from PACI.

The quality of risk assessment records may influence the outcome of Court proceedings. Incomplete and/or inaccurate documentation makes the job of the Plaintiff's (the person suing you) lawyer easier. Quality documentation constitute the first line of defense in any legal proceedings – so do your homework and assess hazards and determine risk levels!

#### Informative:

The content and layout of this risk assessment form is based on the Queensland model. Although each Australian State/Territory has its own OHS legislation and implementation guidelines, the fundamentals of identifying hazards and assessing risk remain the same.

Visit these sites to download publications and codes on various approaches to risk management:

Note: Links correct as at April 2009
[] NSW – http://www.workcover.nsw.gov.au
[] VIC - http://www.workcover.vic.gov.au
[] NT - http://www.worksafe.nt.gov.au
[] WA - http://www.commerce.wa.gov.au/WorkSafe
[] SA - http://www.safework.sa.gov.au
[ ] QLD - http://www.deir.qld.gov.au/workplace
[] TAS - <a href="http://www.workcover.tas.gov.au">http://www.workcover.tas.gov.au</a>
[ ] ACT - http://www.ors.act.gov.au/workcover/index.html

NOTE: Records should be maintained in a filing system for a period of at least 6 years for liability disclaimer forms and 30 years for training/assessment records

## RISK ASSESSMENT SHEET

VER No	D			
Site = _				
Task =				

TASK / STEP	HAZARDS	RISKS	CONTROL MEASURES	LIKELIHOOD	CONSEQUENCES	SCORE
(In sequential order)	(associated with each step)	(There may be more than one risk associated with each hazard)	(what you intend to do about the risks)	(chance of it happening)	(how severe – if it happens!)	
1.	1a.			[ ] Almost certain [ ] Likely [ ] Possible [ ] Unlikely	[] Insignificant [] Minor [] Moderate [] Major	
				[] Rare [] Almost certain	[ ] Catastrophic [ ] Insignificant	
				[ ] Likely [ ] Possible [ ] Unlikely	[] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely	[ ] Catastrophic [ ] Insignificant [ ] Minor	
				[ ] Possible [ ] Unlikely [ ] Rare	[ ] Moderate [ ] Major [ ] Catastrophic	
	1b.			[] Almost certain [] Likely	[] Insignificant [] Minor	
				[ ] Possible [ ] Unlikely [ ] Rare	[] Moderate [] Major [] Catastrophic	
				[ ] Almost certain [ ] Likely [ ] Possible	[ ] Insignificant [ ] Minor [ ] Moderate	
				[ ] Unlikely [ ] Rare	[] Major [] Catastrophic	
				[ ] Almost certain [ ] Likely [ ] Possible	[ ] Insignificant [ ] Minor [ ] Moderate	
	10			[ ] Unlikely [ ] Rare [ ] Almost certain	[] Major [] Catastrophic	
	1c.			[ ] Aimost certain [ ] Likely [ ] Possible [ ] Unlikely	[] Insignificant [] Minor [] Moderate [] Major	
				[] Rare	[ ] Catastrophic [ ] Insignificant	
				[ ] Likely [ ] Possible [ ] Unlikely	[] Minor [] Moderate [] Major	
				[ ] Rare [ ] Almost certain [ ] Likely	[ ] Catastrophic [ ] Insignificant [ ] Minor	
				[ ] Possible [ ] Unlikely [ ] Rare	[] Moderate [] Major [] Catastrophic	
	1d.			[ ] Almost certain [ ] Likely [ ] Possible	[ ] Insignificant [ ] Minor [ ] Moderate	
				[ ] Unlikely [ ] Rare [ ] Almost certain	[ ] Major [ ] Catastrophic [ ] Insignificant	
				[ ] Likely [ ] Possible [ ] Unlikely	[] Minor [] Moderate [] Major	
				[] Rare [] Almost certain	[ ] Catastrophic [ ] Insignificant	
				[ ] Likely [ ] Possible [ ] Unlikely	[] Minor [] Moderate [] Major	
				[] Rare	[] Catastrophic	

TASK / STEP (In sequential order)	HAZARDS (associated with each step)	RISKS (There may be more than one risk associated with each hazard)	CONTROL MEASURES (what you intend to do about the risks)	LIKELIHOOD (chance of it happening)	CONSEQUENCES (how severe – if it happens!)	SCORE
1.	1a.	Cacif Hazara)		[] Almost certain [] Likely [] Possible [] Unlikely [] Rare	[] Insignificant [] Minor [] Moderate [] Major [] Catastrophic	
				[] Almost certain [] Likely [] Possible [] Unlikely	[] Insignificant [] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[] Catastrophic [] Insignificant [] Minor [] Moderate [] Major	
	1b.			[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[ ] Catastrophic [ ] Insignificant [ ] Minor [ ] Moderate [ ] Major	
				[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[] Catastrophic [] Insignificant [] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[] Catastrophic [] Insignificant [] Minor [] Moderate [] Major	
	1c.			[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[ ] Catastrophic [ ] Insignificant [ ] Minor [ ] Moderate [ ] Major	
				[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[ ] Catastrophic [ ] Insignificant [ ] Minor [ ] Moderate [ ] Major	
				[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[ ] Catastrophic [ ] Insignificant [ ] Minor [ ] Moderate [ ] Major	
	1d.			[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[ ] Catastrophic [ ] Insignificant [ ] Minor [ ] Moderate [ ] Major	
				[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[ ] Catastrophic [ ] Insignificant [ ] Minor [ ] Moderate [ ] Major	
				[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[ ] Catastrophic   [ ] Insignificant   [ ] Minor   [ ] Moderate   [ ] Major	
	1e.			[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[] Catastrophic [] Insignificant [] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[] Catastrophic [] Insignificant [] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible	[ ] Catastrophic [ ] Insignificant [ ] Minor [ ] Moderate	
				[] Unlikely [] Rare	[] Major [] Catastrophic	

TASK / STEP (In sequential order)	HAZARDS (associated with each step)	RISKS (There may be more than one risk associated with each hazard)	CONTROL MEASURES (what you intend to do about the risks)	LIKELIHOOD (chance of it happening)	CONSEQUENCES (how severe – if it happens!)	SCORE
2.	2a.			[] Almost certain [] Likely [] Possible [] Unlikely [] Rare	[] Insignificant [] Minor [] Moderate [] Major [] Catastrophic	
				[] Almost certain [] Likely [] Possible [] Unlikely	[] Insignificant [] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[] Catastrophic [] Insignificant [] Minor [] Moderate [] Major	
	2b.			[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[] Catastrophic [] Insignificant [] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[] Catastrophic [] Insignificant [] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[] Catastrophic [] Insignificant [] Minor [] Moderate [] Major	
	2c.			[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[] Catastrophic [] Insignificant [] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible	[ ] Catastrophic [ ] Insignificant [ ] Minor [ ] Moderate	
				[ ] Unlikely [ ] Rare [ ] Almost certain [ ] Likely [ ] Possible [ ] Unlikely	[] Major [] Catastrophic [] Insignificant [] Minor [] Moderate [] Major	
	2d.			[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[] Catastrophic [] Insignificant [] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible	[] Catastrophic [] Insignificant [] Minor [] Moderate	
				[ ] Unlikely [ ] Rare [ ] Almost certain [ ] Likely [ ] Possible	[] Major [] Catastrophic [] Insignificant [] Minor [] Moderate	
	<b>2</b> e.			[ ] Unlikely [ ] Rare [ ] Almost certain [ ] Likely [ ] Possible	[] Major [] Catastrophic [] Insignificant [] Minor [] Moderate	
				[ ] Unlikely [ ] Rare [ ] Almost certain [ ] Likely	[ ] Major [ ] Catastrophic [ ] Insignificant [ ] Minor	
				[] Possible [] Unlikely [] Rare [] Almost certain [] Likely	[] Moderate [] Major [] Catastrophic [] Insignificant [] Minor	
				[] Possible [] Unlikely [] Rare	[] Moderate [] Major [] Catastrophic	

TASK / STEP (In sequential order)	HAZARDS (associated with each step)	RISKS (There may be more than one risk associated with each hazard)	CONTROL MEASURES (what you intend to do about the risks)	LIKELIHOOD (chance of it happening)	CONSEQUENCES (how severe – if it happens!)	SCORE
3.	3a.	Cacif Hazara)		[] Almost certain [] Likely [] Possible [] Unlikely [] Rare	[] Insignificant [] Minor [] Moderate [] Major [] Catastrophic	
				[ ] Almost certain [ ] Likely [ ] Possible [ ] Unlikely	[] Insignificant [] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[] Catastrophic [] Insignificant [] Minor [] Moderate [] Major	
	3b.			[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[] Catastrophic [] Insignificant [] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible	[] Catastrophic [] Insignificant [] Minor [] Moderate	
				[ ] Unlikely [ ] Rare [ ] Almost certain [ ] Likely [ ] Possible [ ] Unlikely	[ ] Major [ ] Catastrophic [ ] Insignificant [ ] Minor [ ] Moderate [ ] Major	
	3c.			[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[] Catastrophic [] Insignificant [] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[] Catastrophic [] Insignificant [] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[] Catastrophic [] Insignificant [] Minor [] Moderate [] Major	
	3d.			[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[ ] Catastrophic [ ] Insignificant [ ] Minor [ ] Moderate [ ] Major	
				[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[ ] Catastrophic [ ] Insignificant [ ] Minor [ ] Moderate [ ] Major	
				[] Rare [] Almost certain [] Likely [] Possible	[] Catastrophic [] Insignificant [] Minor [] Moderate	
	3e.			[ ] Unlikely [ ] Rare [ ] Almost certain [ ] Likely [ ] Possible	[ ] Major [ ] Catastrophic [ ] Insignificant [ ] Minor [ ] Moderate	
				[ ] Unlikely [ ] Rare [ ] Almost certain [ ] Likely [ ] Possible	[ ] Major [ ] Catastrophic [ ] Insignificant [ ] Minor [ ] Moderate	
				[ ] Unlikely [ ] Rare [ ] Almost certain [ ] Likely	[ ] Major [ ] Catastrophic [ ] Insignificant [ ] Minor	
				[] Possible [] Unlikely [] Rare	[] Moderate [] Major [] Catastrophic	

TASK / STEP (In sequential order)	HAZARDS (associated with each step)	RISKS (There may be more than one risk associated with each hazard)	CONTROL MEASURES (what you intend to do about the risks)	LIKELIHOOD (chance of it happening)	CONSEQUENCES (how severe – if it happens!)	
4.	4a.	custi nazara)		[ ] Almost certain [ ] Likely [ ] Possible [ ] Unlikely	[] Insignificant [] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible	[ ] Catastrophic [ ] Insignificant [ ] Minor [ ] Moderate	
				[ ] Unlikely [ ] Rare [ ] Almost certain [ ] Likely	[ ] Major [ ] Catastrophic [ ] Insignificant [ ] Minor	
	4b.			[ ] Possible [ ] Unlikely [ ] Rare [ ] Almost certain	[] Moderate [] Major [] Catastrophic [] Insignificant	
				[] Likely [] Possible [] Unlikely [] Rare	[] Minor [] Moderate [] Major [] Catastrophic	
				[ ] Almost certain [ ] Likely [ ] Possible [ ] Unlikely	[] Insignificant [] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible	[] Catastrophic [] Insignificant [] Minor [] Moderate	
	4c.			[ ] Unlikely [ ] Rare [ ] Almost certain [ ] Likely	[ ] Major [ ] Catastrophic [ ] Insignificant [ ] Minor	
				[ ] Possible [ ] Unlikely [ ] Rare [ ] Almost certain	[] Moderate [] Major [] Catastrophic [] Insignificant	
				[ ] Likely [ ] Possible [ ] Unlikely [ ] Rare	[] Minor [] Moderate [] Major [] Catastrophic	
				[ ] Almost certain [ ] Likely [ ] Possible [ ] Unlikely [ ] Rare	[] Insignificant [] Minor [] Moderate [] Major [] Catastrophic	
	4d.			[] Almost certain [] Likely [] Possible [] Unlikely	[] Insignificant [] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible	[ ] Catastrophic [ ] Insignificant [ ] Minor [ ] Moderate	
				[ ] Unlikely [ ] Rare [ ] Almost certain [ ] Likely	[ ] Major [ ] Catastrophic [ ] Insignificant [ ] Minor	
	4e.			[ ] Possible [ ] Unlikely [ ] Rare [ ] Almost certain	[] Moderate [] Major [] Catastrophic [] Insignificant	
				[] Likely [] Possible [] Unlikely [] Rare	[] Minor [] Moderate [] Major [] Catastrophic	
				[] Almost certain [] Likely [] Possible [] Unlikely	[] Insignificant [] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible	[ ] Catastrophic [ ] Insignificant [ ] Minor [ ] Moderate	
				[ ] Unlikely [ ] Rare	[ ] Major [ ] Catastrophic	

TASK / STEP (In sequential order)	HAZARDS (associated with each step)	RISKS (There may be more than one risk associated with	CONTROL MEASURES (what you intend to do about the risks)	LIKELIHOOD (chance of it happening)	CONSEQUENCES (how severe – if it happens!)	SCORE
5.	5a.	each hazard)		[] Almost certain	[] Insignificant	
				[ ] Possible [ ] Unlikely [ ] Rare	[] Moderate [] Major [] Catastrophic	
				[ ] Almost certain [ ] Likely	[ ] Insignificant [ ] Minor	
				[ ] Possible [ ] Unlikely [ ] Rare	[ ] Moderate [ ] Major [ ] Catastrophic	
				[] Almost certain [] Likely [] Possible [] Unlikely	[] Insignificant [] Minor [] Moderate [] Major	
	5b.			[] Rare [] Almost certain [] Likely [] Possible	[] Catastrophic [] Insignificant [] Minor [] Moderate	
				[ ] Unlikely [ ] Rare [ ] Almost certain	[ ] Major [ ] Catastrophic	
				[ ] Likely [ ] Possible [ ] Unlikely	[] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible	[] Catastrophic [] Insignificant [] Minor [] Moderate	
	5c.			[ ] Unlikely [ ] Rare [ ] Almost certain	[ ] Major [ ] Catastrophic [ ] Insignificant	
				[ ] Likely [ ] Possible [ ] Unlikely	[] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible [] Unlikely	[ ] Catastrophic [ ] Insignificant [ ] Minor [ ] Moderate [ ] Major	
				[] Rare [] Almost certain [] Likely [] Possible	[] Catastrophic [] Insignificant [] Minor [] Moderate	
	5d.			[ ] Unlikely [ ] Rare	[ ] Major [ ] Catastrophic	
	Su.			[] Almost certain [] Likely [] Possible [] Unlikely	[] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible	[] Catastrophic [] Insignificant [] Minor [] Moderate	
				[ ] Unlikely [ ] Rare [ ] Almost certain	[ ] Major [ ] Catastrophic [ ] Insignificant [ ] Minor	
				[] Likely [] Possible [] Unlikely [] Rare	[] Moderate [] Major [] Catastrophic	
	5e.			[] Almost certain [] Likely [] Possible [] Unlikely	[] Insignificant [] Minor [] Moderate [] Major	
				[] Rare [] Almost certain [] Likely [] Possible	[ ] Catastrophic [ ] Insignificant [ ] Minor [ ] Moderate	
				[ ] Unlikely [ ] Rare [ ] Almost certain	[ ] Major [ ] Catastrophic	
				[ ] Likely [ ] Possible [ ] Unlikely	[] Minor [] Moderate [] Major	
				[] Unlikely [] Rare	[] Major [] Catastrophic	

Add additional pages as required...

#### **RISK PRIORITY CHART**

LIKELIHOOD		CONSEQUENCES							
	Insignificant (no injuries)	Minor (1 <sup>st</sup> aid treatment only)	Moderate (medical treatment	Major (exensive injuries)	Catastrophic (death)				
Almost certain	3	3	4	4	4				
	Н	Н	Α	Α	Α				
Likely	2	3	3	4	4				
	M	Н	Н	Α	A				
Possible	1	2	3	4	4				
	L	M	н	Α	A				
Unlikely	1	1	2	3	4				
	L	L	М	Н	Α				
Rare	1	1	2	3	3				
	L	L	М	н	Н				

# Risk score descriptors:

SCORE & STATEMENT	ACTION
4	ACT NOW! – Urgent – Do something about the risks immediately.
A = Accute	Requires immediate attention or intervention.
3	Highest management decision is required urgently
H = High	
2	Follow management instructions
M = Moderate	
1	OK for now Record and review if any equipment/people/materials/work
L = Low	methods or procedures change

Careful consideration of the problem and corrective action should be taken according to the hierarchy of control.

The hierarchy of control always states that wherever practicable, the source of the hazard should be dealt with in the following order of priority:

- 1) Eliminate the hazard
- 2) Substitute
- 3) Re-design or engineering controls
- 4) Isolate
- 5) Administrative controls
- 6) PPE

Prepared by	-
Signature	
Date:	

#### USE OF THE WORK METHOD STATEMENT AND RISK ASSESSMENT SHEET

Always conduct a risk assessment before working at height. It doesn't matter if the nature of work is recreational or industrial. Both forms of work involve the risk of falls from height.

Start by analyzing your sequence of work (ie step by step) and identifying all the possible hazards associated with each step. Remember, a hazard is the *source* of the harm. Once you have identified each of the hazards, transfer those hazards to your risk assessment sheet. There may be more than one risk associated with each hazard hazard.

With each risk, determine the *likelihood* of its occurrence and then the *consequences* if it occurs.

Lastly, work out the best measures to *control* the identified risks. It is best to use a participative approach and involve all workers who may come into contact with the identified hazards. Ideas can be brainstormed.

Your control measures are the most critical aspect of the whole process. This is what you intend to do to manage those risks you identified.

#### OPTIONS FOR TREATING RISKS

When treating risks, there are a number of options that can be implemented to control the risks. These options are known as the *hierarchy of control*:

**Elimination of the hazard** - Not always possible at a job site (ie roof work usually involves the potential for a fall). If this option is not possible then;

**Substitution** – Try replacing the hazard with one that presents a lower (and more manageable) risk.

**Engineering controls (redesign)** - Try making changes to the workplace or to equipment to reduce the risk of injury or harm. For example, installing guard railing and/or barricades to prevent falls from height. If this is not possible then;

**Isolation** – Try isolating or separating the hazard from the person, or the person from the hazard. For example, installing screens or barriers around hazardous areas, enclosing or guarding dangerous equipment.

**Administrative controls** - Try making changes to the way work is organised to reduce the risk of injury or harm. For example, try rostering more experienced staff with less experienced or younger workers. If this is not possible then;

**Personal protective equipment** (PPE) - PPE should not be used in place of more permanent controls. It is the least effective way of dealing with hazards. Unfortunately, in many cases, PPE is usually the only way to minimise risks eg wearing of helmets and using gloves.

