

Defqon1 2015 – Camping Risk Register V3 14.04.15

Risk ID	Hazard or Risk Source	Risks – What can go wrong?	Factors which could contribute to an incident occurring.	Likelihood A to E	Degree of Harm 1- 5	Risk Level (Inherent)	State of Knowledge – What information is available or can be obtained on this risk?	Risk Controls - What can reasonably be done?	Risk Level Residual	Risk Owners
01	Patron - Swimming	<ul style="list-style-type: none"> Entanglement with weeds Serious Injury Drowning 	<ul style="list-style-type: none"> Lack of patron supervision Poor Lighting/Visibility At risk behavior by patron Lack of swimming experience Patron affected by drugs/alcohol Submerged objects 	E Rare	5 Death	E5 High Risk	<ul style="list-style-type: none"> Incidents from previous or similar events Consultation with Royal Life Saving National Drowning Report 2014 Information on water from SIRC 	<ul style="list-style-type: none"> Campers to complete liability release form (LRF) Patron swimming area identified in lake Swimming area inspected for underwater hazards Swimming times published on web Warning signs located at waters edge Life Saver deployed at swimming area Floating pontoon used to define swimming area Response procedures in place for aquatic rescue 	E4 Medium Risk	Q Dance Patrons Life Savers Security
02	Patron – Consumption of illicit drugs	<ul style="list-style-type: none"> Heatstroke Water toxicity Overdose Serious Illness Death 	<ul style="list-style-type: none"> At risk behavior by patron Peer Pressure/Games Criminal activity/dealing Toxic reaction to drugs Poor response procedures 	E Rare	5 Death	E5 High Risk	<ul style="list-style-type: none"> Incidents rates from previous events Consultation with Medical experts Consultation with Police WA Guidelines for Major Events DanceSafe 	<ul style="list-style-type: none"> Patrons consulted about drug taking/behaviour Patrons advised of conditions of entry Drug awareness program initiated Security engaged to conduct bag searches/pat downs Camping crowd monitored for drug activity Response Procedure established 	E4 Medium Risk	Patrons Medical Security
03	Patron- Excessive Consumption of alcohol	<ul style="list-style-type: none"> Nausea/sickness Alcohol Poisoning Behavioral issues Death 	<ul style="list-style-type: none"> At risk behavior by patron Pre-loading & smuggling Peer Pressure/Games Poor RSA practices Lack of food/water 	C Possible	4 Serious Illness	C4 High Risk	<ul style="list-style-type: none"> Incident rates from previous events Consultation with Medical experts Consultation with Police/Licensing OLGR Liquor Facts and Resources 	<ul style="list-style-type: none"> Security search of camping equipment/bags Alcohol management plan implemented Strict RSA practices applied Bar staff briefing on ID verification, RSA practices Substantial food provided at all times Water stations provided 	C2 Medium Risk	Patrons QDA Security
04	Patron – Assaulted/Fight	<ul style="list-style-type: none"> Serious Injury Death 	<ul style="list-style-type: none"> Patron affected by drugs/alcohol Lack of security presence Gang rivalry Smuggled in weapons 	C Possible	4 Serious Injury	C4 High Risk	<ul style="list-style-type: none"> Incident rates from previous events Consultation with Police & Security 	<ul style="list-style-type: none"> Security deployed to monitor crowds Early intervention strategy applied Eviction procedure established 	C2 Medium Risk	Patrons QDA Security
05	Extreme Weather (Wind) and its impact on Tents	<ul style="list-style-type: none"> Displacement Collapse of tent Serious Injury Death 	<ul style="list-style-type: none"> Person hit by displaced tent Poorly erected or inadequate tent Tent collapse Displacement of décor/theming 	E Rare	4 Serious Injury	E4 Medium Risk	<ul style="list-style-type: none"> Bureau of Meteorology (BOM) Engineering certificates Anemometer at camp site Ubi-met meteorologist report 	<ul style="list-style-type: none"> Weather watch person identified/tasked Anemometer installed at camp site Ubi – met weather reports (7 day, 24 hr) Evacuation procedures developed 	E3 Medium Risk	QDA Security
06	Access Barge to Campsite	<ul style="list-style-type: none"> Person falls into water Serious Injury Drowning 	<ul style="list-style-type: none"> At risk behavior by patron Diminished lighting Poor Security Management Poor Lifeguarding/patrols Lack of life buoy Movement of barge 	E Rare	5 Death	E5 High Risk	<ul style="list-style-type: none"> Consultation with Wollongong First Aid Consultation with Barges Australia National Drowning Report 2014 Consultation with SIRC 	<ul style="list-style-type: none"> Light barges for patron movement Deploy security to barge Deploy life saver in watercraft Install Life Buoy every 10m Install warning signs at barge entry 	E3 Medium Risk	QDA Lifesavers Security
07	Critical Incident – Fire (General)	<ul style="list-style-type: none"> Fire in food or bar area Fire in tent or tent area Burns to workers/patrons Fire spread to grass/trees Serious Injury Death 	<ul style="list-style-type: none"> Lack of FFE in camping area Lack of staff trained in FFE use Poor waste management At risk behavior by patron Poor response procedures Lack of fire truck/water supply 	E Rare	4 Serious Injury	E4 Medium Risk	<ul style="list-style-type: none"> Consultation with Rural Fire Service Consultation with SIRC WA Guidelines for Concerts & Events EMA Safe and Healthy Mass Gatherings COP Managing the Work Environment AS 3745:2010 	<ul style="list-style-type: none"> Incorporate fire response procedures in EMP Deploy dedicated fire truck to campsite (RFS) Locate FFE at all power and ignition sources Create FFE map and provide to event control Establish fire wardens and brief on EMP Clear all food/bar areas of waste/combustibles 	E4 Medium Risk	QDA RFS Security
08	Critical Incident – Medical (General)	<ul style="list-style-type: none"> Injury or Illness to Patron Injury to Illness to Worker Drug Overdose Acute Intoxication 	<ul style="list-style-type: none"> Lack of Medical Staff Lack of Medical Equipment Inexperienced medical team Poor response procedures Delays in treatment 	E Rare	5 Death	E5 High Risk	<ul style="list-style-type: none"> Consultation with Medical Team Consultation with SIRC WA Guidelines for Concerts & Events EMA Safe and Healthy Mass Gatherings AS 3745:2010 	<ul style="list-style-type: none"> Medical Plan developed and implemented Dedicated medical centre established in camp area Medical staff engaged for 24 hr coverage Response procedures established 	E4 Medium Risk	QDA Medical Team Security

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09	Patron – smuggling of alcohol and illicit drugs, burying drugs	<ul style="list-style-type: none"> • Serious illness • Drug Overdose • Acute alcohol intoxication 	<ul style="list-style-type: none"> • At risk behaviour of patron • Lack of Security protocols • Lack of pre-event searches • Drugs buried or hidden at camp site 	C Possible	4 Serious Illness	C4 High Risk	<ul style="list-style-type: none"> • Consultation with Police & Security • Consultation with SIRC • Monitoring social media 	<ul style="list-style-type: none"> • All camping bags searched by Security • Pre event Police canine sweep of camp site (TBC) • Patron activity monitored by security 	C3 Medium Risk	QDA Police Security
10	Contractor Management	<ul style="list-style-type: none"> • Slip and Trip on terrain • First Aid • Serious Injury • Death 	<ul style="list-style-type: none"> • Inadequate systems of work • Inadequate safety systems • Inadequate review of WHS docs. • Lack of supervision • At risk behaviour by worker 	D Unlikely	4 Serious Injury	D4 Medium Risk	<ul style="list-style-type: none"> • AS 4801, 4804 • COP – Construction Work • COP – Managing risks in the workplace 	<ul style="list-style-type: none"> • Contractor compliance system applied • All contractors WHS documents reviewed • All works to be supervised at all times • Contractor compliance with WHS docs monitored • Induction system applied for all workers 	D3 Medium Risk	QDA Contractors Safety
11	Critical Incident – Evacuation	<ul style="list-style-type: none"> • Panic • Slip and Trip on terrain • Injury 	<ul style="list-style-type: none"> • Poor evacuation procedures • Poor communication protocols • Delay in coordinating an evacuation • Insufficient lighting/way finding • Inadequate weather monitoring • Poor communication between security 	D Unlikely	3 Moderate Injury	D3 Medium Risk	<ul style="list-style-type: none"> • Consultation with SIRC • WA Guidelines for Concerts & Events • EMA Safe and Healthy Mass Gatherings • Managing Major Events (Vic) • AS 3745:2010 	<ul style="list-style-type: none"> • Emergency Plan developed and implemented • Assembly Areas noted in plan and signposted • Key security and area wardens briefed • Assembly areas to have temporary lighting towers • Pathways to assembly areas cleared/slashed 	D2 Low Risk	QDA SIRC Security
12	Security Management (Failures)	<ul style="list-style-type: none"> • Theft • Tampering with equipment • Intimidation/Bullying • Vandalism 	<ul style="list-style-type: none"> • Lack of security planning • Insufficient security guard ratio • Poor security checks at bridge • Patron – intentional act 	C Possible	2 Minor Injury	C2 Medium Risk	<ul style="list-style-type: none"> • Consultation with Police and Security • WA Guidelines for Concerts & Events • EMA Safe and Healthy Mass Gatherings • Managing Major Events (Vic) 	<ul style="list-style-type: none"> • Security Plan developed and implemented • Security guards deployed in accordance with plan • Security office established at campsite • Security response procedures established 	C2 Medium Risk	QDA Security
13	Emergency Management (Failures)	<ul style="list-style-type: none"> • Panic • Slip and Trip on terrain • Fire • Injury • Death 	<ul style="list-style-type: none"> • Poor emergency procedures • Poor communication protocols • Delay in coordinating an emergency • Insufficient lighting/way finding • Confusion over responsibilities 	D Unlikely	3 Moderate Injury	D3 Medium Risk	<ul style="list-style-type: none"> • WA Guidelines for Concerts & Events • EMA Safe and Healthy Mass Gatherings • Managing Major Events (VIC) • AS 3745:2010 	<ul style="list-style-type: none"> • Emergency Plan developed and implemented • ECO established in EMP • ECO to attend formal instruction/scenario session • Assembly areas and pathways inspected • Lighting/Signage to assembly areas installed 	D3 Medium Risk	QDA Security
14	General Working Environment for Workers	<ul style="list-style-type: none"> • Snake/Insect bite • Sunburn/Heatstroke • Slip and Trip on terrain • Dehydration • Injury 	<ul style="list-style-type: none"> • Snakes and insects • Insufficient clearing of work areas • Insufficient lighting • Exposure to elements • Lack of water • Lack of first aid staff/equipment 	E Rare	3 Moderate Injury or Illness	E3 Medium Risk	<ul style="list-style-type: none"> • COP – Managing the Work Environment • WHS Regulation 2011 • Office of Environment & Heritage • Consultation with SIRC 	<ul style="list-style-type: none"> • Entry/Exit to campsite work areas defined • Work areas slashed and kept clear • Temporary lighting installed at work areas • Workers advised of weather conditions at all times • Fresh drinking water provided • Worker toilets provided and kept clean • First aid kit and trained staff present 	E2 Low Risk	QDA SIRC Security
15	Campsite Perimeter Breach	<ul style="list-style-type: none"> • Unauthorized access • Fence jumper/s • Passing of drugs/alcohol 	<ul style="list-style-type: none"> • Inadequate northern perimeter fence • Insufficient security patrols • Insufficient lighting at fence line • Intentional act by person/teens 	D Unlikely	2 Minor Injury	D2 Low Risk	<ul style="list-style-type: none"> • Consultation with Security • Consultation with SIRC • WA Guidelines for Concerts & Events • EMA Safe and Healthy Mass Gatherings 	<ul style="list-style-type: none"> • Perimeter fencing lit by temporary lights • Security engaged to monitor perimeter • Patrons restricted from unauthorized access 	D2 Low Risk	QDA SIRC Security
16	Structures/Marquees	<ul style="list-style-type: none"> • Structural Collapse • Injury to Patron/Worker • Death 	<ul style="list-style-type: none"> • Severe localized storm • Inadequate ballast or tie-down • Excessive winds for structure • Patron – intentional act 	E Rare	5 Death	E5 High Risk	<ul style="list-style-type: none"> • COP – Safe Design of Structures • WHS Regulation 2011 • Local Wind Assessment (Bom) • Engineering Specification • AS/NZS 1170.2:2002 – Wind Actions 	<ul style="list-style-type: none"> • Site survey conducted and locations suitable • Structures built on even ground • All structures/stages engineered (design certificate) • Engineering inspection done upon completion • Ballast and strict tie-down methods applied 	E4 Medium Risk	QDA Supplier Engineer
17	Electrical Equipment	<ul style="list-style-type: none"> • Fire • Burn • Electric shock • Electrocution 	<ul style="list-style-type: none"> • Overloading of power distribution • Faulty equipment (un-tested) • Unauthorized access to power • Unauthorized repairs to equipment • Inadequate water proofing • Inadequate cable protection 	E Rare	5 Death	E5 High Risk	<ul style="list-style-type: none"> • COP – Managing Electrical Risks • WHS Regulation 2011 • AS/NZS 3760 	<ul style="list-style-type: none"> • Campsite electrician engaged • Power distribution map developed & loads calculated • Cabling protected with cable trays • Generators/distro isolated from general public • All equipment must have current test/tag • All power supplies must have operable RCD • Staging/scaffolding structure to be earthed • Inspection of electrical system prior to use 	E4 Medium Risk	QDA Supplier Electrician

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18	Temporary Food Stalls	<ul style="list-style-type: none"> • Fire • Food Poisoning • Serious Illness 	<ul style="list-style-type: none"> • Overloading of power distribution • Faulty equipment (un-tested) • Stockpiling of rubbish/combustibles • Lack of fire fighting equipment (FFE) • Lack of FFE trained staff • Service of raw or uncooked food • Cross contamination 	D Unlikely	3 Moderate Illness	D3 Medium Risk	<ul style="list-style-type: none"> • Food Authority – Temp Events • Food Act 2003 • Penrith City Council (Health Dept) 	<ul style="list-style-type: none"> • Food Vending in accordance with Food Authority • Power distribution map developed & loads calculated • All electrical equipment inspected & test/tagged • All equipment sanitized and clean • Food Safety Supervisor present at all times • All foods stored/served at correct temperatures • Portable fire extinguisher and blanket in place • Foods labeled correctly (meat, vegetarian etc) 	D2 Low Risk	QDA Food Vendor
19	Temporary Bar (Alcohol Sale/Supply)	<ul style="list-style-type: none"> • Theft • Acute Intoxication • Serious Illness • Behavioral issues 	<ul style="list-style-type: none"> • Inadequate security of stock • Inadequate alcohol management plan • Inadequate lighting at bar • Staff intentional violation of RSA • Patron – at risk behaviour 	C Possible	3 Moderate Illness	C3 High Risk* Priority	<ul style="list-style-type: none"> • Liquor Act 2007 • OLGR Resources & Facts • OLGR – Prevention of Intoxication • Consultation with Security • Incident Rates and reports 2014 	<ul style="list-style-type: none"> • All liquor sales in accordance with Liquor Act • Alcohol Management Plan written and applied • Strict RSA and security monitoring at bar • Power distribution map developed & loads calculated • All electrical equipment inspected & test/tagged • All stock secured in lockable cool rooms/chillers • Food service at all times liquor is sold • No shots, shooters or doubles to be sold • Lighting installed at bar and BOH areas 	D3 Medium Risk	QDA Licensee Security
20	Resource Management (Failures)	<ul style="list-style-type: none"> • Environmental damage • Serious Illness 	<ul style="list-style-type: none"> • Inadequate waste management plan • Inadequate bins/collection • Inadequate cleaners • Inadequate procedures 	D Unlikely	3 Moderate Harm	D3 Medium Risk	<ul style="list-style-type: none"> • EPA – Waste Wise Event Guide • Consultation with SIRC 	<ul style="list-style-type: none"> • Waste Management Plan implemented • Bins and Skips placed in key locations • Removal of waste scheduled • Cleaners engaged and deployed • Procedures developed for bio-hazards 	D3 Medium Risk	QDA Cleaners Waste Co.
21	Snakes/Spiders	<ul style="list-style-type: none"> • Snake/spider bite • Serious injury • Death 	<ul style="list-style-type: none"> • Snake/spider natural habitat • Patron proximity to long grass • Snake disturbed by light/noise • Patron attempts to handle snake 	E Rare	3 Moderate Injury	E3 Medium Risk	<ul style="list-style-type: none"> • Consultation with SIRC • NSW Health – Snake Bite Mgmt. 	<ul style="list-style-type: none"> • Campsite land parcel slashed • Vegetation carefully minimized • Staff & security instructed in snake reporting protocol • SIRC response procedure developed for bite • Camp area inspected regularly 	E2 Low Risk	QDA SIRC
22	Rough Terrain	<ul style="list-style-type: none"> • Slip and Trip • Injury 	<ul style="list-style-type: none"> • Diminished lighting • Patron – at risk behaviour • Patron affected by drugs/alcohol • Un-observed hole in ground 	E Rare	2 Minor Injury	E2 Low Risk	<ul style="list-style-type: none"> • Consultation with SIRC 	<ul style="list-style-type: none"> • Inspection conducted after clearing/slashing • Hazards isolated with CCB or signage • Lighting installed at central locations 	E2 Low Risk	QDA SIRC
23	Amenities (Lack of)	<ul style="list-style-type: none"> • Serious Illness • Spread of disease 	<ul style="list-style-type: none"> • Inadequate toilets/ratio to campers • Inadequate toiletries • Inadequate cleaning regime • Inadequate hand cleaning station 	C Possible	3 Moderate Illness	C3 High Risk	<ul style="list-style-type: none"> • WA Guidelines for Concerts & Events • EMA Safe and Healthy Mass Gatherings • Managing Major Events (Vic) 	<ul style="list-style-type: none"> • Toilet and shower ratio in accordance with EMA • Toilet and showers cleaned regularly • Hand cleaning stations installed at each amenity • Toiletry supplies kept on standby and kept in order • Security engaged to monitor toilet and shower area 	C2 Medium Risk	QDA Cleaners Security
24	Site Lighting	<ul style="list-style-type: none"> • Slip and Trip on terrain • Injury 	<ul style="list-style-type: none"> • Inadequate site lighting • Poor placement of lights • Malfunction of lights • Poor inspection of terrain • Lack of isolation of hazards 	C Possible	2 Minor Injury	C2 Medium Risk	<ul style="list-style-type: none"> • WA Guidelines for Concerts & Events • EMA Safe and Healthy Mass Gatherings • Managing Major Events (Vic) 	<ul style="list-style-type: none"> • Site lighting map created • Lighting installed as per EMA guidelines • Lighting of campsite tested and focused prior to use • Inspection of ground conducted after clearing/slashing • Ground hazards repaired or isolated • Lighting installed at central locations to light vegetation • Lighting installed at barge entry/exit points • Lighting installed at all common areas & amenities 	D2 Low Risk	QDA Site Mngr. Lighting Co.

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25	General Construction	<ul style="list-style-type: none"> Minor Injury Fall from Height Serious Injury Death 	<ul style="list-style-type: none"> Inadequate safety systems Poor leadership and supervision At risk behaviour of worker Intentional violation of site rules Non compliance with build plans Non compliance with relevant codes 	D Unlikely	4 Serious Injury	D4 Medium Risk	<ul style="list-style-type: none"> COP – Construction Work COP – Safe Design of Structures COP – Managing the work environment COP – Managing Electrical Risks COP – Prevention of Falls WHS Regulation 2011 AS/NZS 3760 	<ul style="list-style-type: none"> Site Manager appointed and briefed by QDA Safety Officer appointed and briefed by QDA Contractor WHS Compliance system applied Contractors to provide experienced supervisors Contractors to work to approved build plans only SWMS submitted to QDA and applied in each area Site Safety Induction system applied All work areas isolated from non-essential staff/visitors All work monitored by site manager/safety officer 	D3 Medium Risk	QDA Site Mngr Safety Contractors
26	Vehicle Truck (Bogged)	<ul style="list-style-type: none"> Damage to Environment Vehicle stuck and further extraction required 	<ul style="list-style-type: none"> Heavy Rain and Storms Oversized vehicle At risk behaviour of worker Intentional violation of site rules 	D Unlikely	3 Moderate Harm	D3 Medium Risk	<ul style="list-style-type: none"> Consultation with SIRC Anemometer at camp site Ubi-met meteorologist report 	<ul style="list-style-type: none"> Master Delivery Schedule developed and approved by site manager/prod manager All vehicle movement in accordance with MDS Vehicle corridors to camp area identified Vehicle corridors slashed back hard Bamboo or ply corridor created as required Vehicle size and weights restricted 	D2 Low Risk	QDA Site Mngr. Contractors
27	Special Effects (Campfire)	<ul style="list-style-type: none"> Burns to workers/patrons Fire spread to grass/trees Serious Injury Death 	<ul style="list-style-type: none"> Inadequate isolation Operation malfunction At risk behaviour of patron 	E Rare	4 Serious Injury	E4 Medium Risk	<ul style="list-style-type: none"> Safety Data Sheet on LPG Consultation with SIRC Consultation with Rural Fire Service Consultation with SFX provider Monitoring of RFS Fire Bans 	<ul style="list-style-type: none"> Experienced SFX provider engaged JSA/Risk Assessment supplied by operator Operators licensed for pyrotechnics/SFX All gas fittings checked/signed off by licensed gas fitter LPG stored and handled in accordance with SDS LPG camp fires located in central locations LPG camp fires isolated using CCB RFS Fire Truck deployed to camp area 	E3 Medium Risk	QDA SFX RFS
28	Noise	<ul style="list-style-type: none"> Noise complaints Disturbance of fauna Temporary hearing loss Noise induced hearing loss 	<ul style="list-style-type: none"> Poor communication with residents Lack of control of PA/audio system Poor focus/direction of PA system 	D Unlikely	2 Minor Harm	D2 Low Risk	<ul style="list-style-type: none"> POEO Act EPA Noise Guide for Local Government 	<ul style="list-style-type: none"> Noise Management Plan implemented Acoustic contour map developed for PA system PA system directed in accordance with contour map Residents advised of event (local advertisement) Immediate residents notified by mail Noise monitored/measured at any sensitive areas 	D2 Low Risk	QDA PA Supplier