

26/02/2015

# Risk Assessment

AAA BB 100a Job Specific Risk Assessment



Vladislav Melnicov, IRATA Level 3/14XXX/T  
SAFEWORK4YOU LTD

# Rope Access Risk Assessment Safework4you Ltd

Assessor Name				Vladislav Melnicov		Date		26/02/2015		IRATA No.		3/14XXX/T			
Location				Alpha/Gama, Offshore installation, Moon				Structure/Natural Feature				Offshore Installation			
Detail of Working Environment				Offshore Environment								Height		10-30 m	
Weather Issues		Good – high wind				Duration				28 Days		Personnel Requirement		1 x Rope Access Safety Supervisor IRATA Level 3 2 x Rope Access Technician IRATA Level 1	
Operation / Work Task				Installation of suspended scaffolding under decks and overboard. Grinding/Painting, Lifting & Rigging. Installation of cables and tray covers.											

ACTIVITY/HAZARD Use procedure as a guide	HAZARD EFFECT Type of injury / damage / environmental impact	PEOPLE AT RISK	RISK VALUE Refer to procedure	CONTROL MEASURES Existing and proposed	RESIDUAL RISK
Here is where you enter the type of hazard that might be encountered while carrying out the task, e.g. Manual handling	How people at risk might be harmed - this is where you list the actual harm which could result whilst carrying out the task, e.g. Injury or back pain from lifting awkward items or	Who might be harmed, e.g. A: Rope access worker; B: the public; C: other trades	This means the likelihood of harm and the potential severity of the harm occurring.	Once the risks have been assessed, precautions are required to be put in place in order to avoid 'people at risk' being harmed and this is where you would list such precautions, e.g. • Staff to attend mandatory manual handling training session • Use 'safe lifting' manual handling techniques at all times	See Tables A.1 and A.2
<b>General Safety</b>	Fatality, serious injury	A and C	3 x 5 = 15 high	Offshore installation safety induction prior to commencement of work. Rope access safety supervisor IRATA Level 3 to emphasize and point out hazards daily before start tasks, and during work.	1 x 5 = 5 low
<b>Rope Access Work, Potential fall from height</b>	Fatality, serious injury	A and C	3 x 5 = 15 high	Work task will carry out follow: - IRATA International Code of Practice for Industrial Rope Access - Safework4you AAA BB 100a Job Specific Risk Assessment - Safework4you AAA BB 101a Safety Plan, Method Statement and Rescue Plan - Safework4you AAA BB 102a Rope Access Operations Procedures Use structural and/or tested anchor points, select correct rope protection follow Hierarchy for protection of anchor lines. Use of suitable equipment in good working condition. Avoid high fall factors. Rope access safety supervisor IRATA Level 3 must be present at working area at all time.	1 x 5 = 5 low
<b>Rescue and evacuation</b>	Fatality, serious injury	A and C	3 x 5 = 15 high	Competent rescue Standby must be present on site during work periods; this is normally IRATA Level 3 Rope Access Safety Supervisor. If two people using same descender, extra friction must be used. Rescue plan on toolbox talk for each task. Use pre-installed lowering system and rig for rescue. First Aid Kit must be at working area. IRATA Level 3 Rope Access Safety Supervisor must hold valid First Aid Card.	1 x 5 = 5 low

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Fire	Fatality, serious injury	A and C	3 x 5 = 15 high	No hot, work without hot permit to work from PTW office. Location of fire extinguishers to be pointed out. Evacuation procedure and assembly point out. Evacuation procedure and muster point to be communicated at site induction.	1 x 3 = 3 low
Persons not involved in work process	Serious injury	C	3 x 3 = 9 medium	Other contractors , should stay behind exclusion zone. Signage indicating danger men working overhead, or men work below, to be displayed at the areas were other contractors have access.	1 x 5 = 5 low
Slips, Trips	Fatality, serious injury	A and C	3 x 5 = 15 high	Good housekeeping, eliminating trip hazards. Supervisor emphasize the need to not allow rope access equipment to trail creating a trip hazard. If ropes rigged though grid on walkways, cover slings with scaffold board at top, to prevent other contractor's trips.	1 x 3 = 3 low
Suspension Trauma	Serious injury	A and C	3 x 3 = 9 medium	Provision for rescue immediately available, including task specific rescue plan, rescue equipment and rescue standby personnel, Rope Access Safety Supervisors IRATA Level 3. Use of work seat for work in suspension. In the unlikely event of the onset of pre-syncope, instruct casualty, shall be told to pump legs in the foot lube. After rescue, they must be placed in the recovery position.	1 x 3 = 3 low
High wind speed, collision with structure	Serious injury	A and C	3 x 4 = 12 medium	Rope Access work shall stop with wind speed over 25 knots. Keep monitoring wind speed during the day. Regularly contact radio room using two way radio, to confirm current wind speed.	1 x 3 = 3 low
Lifting & Rigging	Fatality, serious injury	A	3 x 5 = 15 high	Toolbox talk with clear lifting plan prior any task, Use only tested lifting equipment, Select only solid points for connection of lifting & rigging equipment strong to hold load. Rope Access Technicians should always stay above load, and keep ropes above load or in the rope bags, connected to RAT's Descender connector.	1 x 3 = 3 low

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<b>Use of Petzl Stop and Bach-up Shunt</b>	Fatality, serious injury	A	3 x 5 = 15 high	Acceptance and understanding these devices are not foolproof. Strict adherence to procedure of testing the stop before descent without holding the cord of the Shunt. Hold Shunt cord in correct manner; Avoid use Shunt in rescue with two persons. Do not use excessively long cows tails. Use of long cord keeps the Shunt higher in descent mode. Newer put knots in the Shunt cord, that we use it is enough to grip. Newer warp Shunt cord around fingers. Keep Shunt as high as possible at all times. Test Shunt be pulling on the cow's tail. Hold the Shunt cord under left thumb against side plate of Stop descender or in mouth. IRATA Level 3 Supervisor should demonstrate the fact that if the Shunt cord is not released when in descent mode Shunt cannot function correct.	1 x 3 = 3 low
<b>Grinding/Painting</b>	Fatality, serious injury	A	3 x 5 = 15 high	Use only tested grinding equipment in the safe manner, Use proper PPE equipment, full face shield, dust face mask, safety glasses/goggles. Read MSDS before start painting.	1 x 3 = 3 low
<b>Overboard Work</b>	Fatality, serious injury, Man Overboard	A	3 x 5 = 15 high	No work to be performed during bad weather conditions. Life jacket must be worn at all times. Full body harness must be worn with at all time. Life buoy must put on standby at work location. Stand by boat must be near work area. Experienced personnel & rope access safety supervisor L-3 must be at work area all time. Safety watcher, Proper fully charged Radio (VHF Radio-channel: 71) to communicate Stand by boat. Stopper knots at the end of the ropes. Stop working if wind over 25 knots, and waves (swell height) over 1.8 meter. Do not descend close to water; clearance distance shall be at least same as wave's height.	1 x 3 = 3 low

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<b>Manual Handling</b>	Manual handling, muscular-skeletal injuries	A and C	3 x 3 = 9 medium	Clear instructions to be given at tool box talks, planned lifts, Personnel to perform warm-up exercises before undertaking any strenuous activity. Appropriate techniques to be used to lift, haul and lower loads. Use mechanical aids if necessary. Follow basic safety rules for manual handling. Care to be taken when handling material.	3 x 2 = 6 low
<b>Working at height/dropped objects</b>	Impact injuries, damage to equipment	A and C	3 x 5 = 15 high	Work in accordance with the written procedure, tools and equipment secured by lanyard, secured haul sacs to be used, heavy items over 8 kg., to be independently secured on the extra rope. All workers on site (platform) to wear appropriate helmets. Do not stand directly under any lifting or rope access operations. Third parties to be kept clear using exclusion zone.	1 x 3 = 3 low
<b>Installation/Modification, or Dismantle of scaffolding/dropped material</b>	Fatality, serious injury, Impact injuries	A and C	3 x 5 = 15 high	Use only qualified / trained rope access scaffolders to erect or dismantle suspended scaffold. Scaffolding equipment to be checked prior starting work. Scaffolding to be inspected by trained and competent person. Tag system to be in place when scaffolding platform has been completed. Daily visual check with weekly inspection / recertification. Scaffolding platform to be checked again by a competent person after any alterations or bad weather. Scaffold platform design and load bearing must fit for purpose. Construct on sound footage or anchorage. Face ladder and have both hands free for climbing. Never hand-carry tool while climbing. Ensure proper access to scaffold platform. Whatever practical, area around scaffolding erection/dismantling work to be cautioned with barriers and warning signs. Secure all tools and equipment used on scaffold. Toe boards to be in place at working platform. Tools and equipment have to be in a tidy condition during working operations.	1 x 3 = 3 low

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<b>Performing work during Heat Stress season in Moon Offshore - April 01 to September 01</b>	Heat Stress related illnesses, Dehydration	A	5 x 3 = 15 high	Heat Stress Measures that are mandatory to be in place: Provide well stocked supplies of cool drinking water and container at the work station. Ice to be in boxes minimum 3 x per day, Workers to carry water flask/pouch at all times. Workers to drink plenty of water and/or electrolyte solutions and follow Heat Index guidelines. No water No work enforced by SUPERVISORS. Temperature Monitoring & Heat Indicator Flags system to remind workers of temperatures and heat index guidelines to follow. Shade must be provided for workers in direct sun for Heat Index above 38C. A/C cooled rest areas for workers on Drill and Production deck. Air cooled or ice pack type vests to be worn by personnel exposed to work in extreme temperatures. Heat Stress Training Mandatory for ALL personnel Buddy system. No work alone over 32 C. Direct Supervisors responsible for monitoring compliance for their work zones. SUPERVISORS responsible for managing worker rotations according to index chart.	1 x 3 = 3 low