

RISK ASSESSMENT FORM

STRTRA-05

Dept. Name:	Engineering Workshop	RA no*:		Rev No.*		Date:	
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Work / Activity Details: . Lifting Operations

Sect.1. Risk Assessment Table

Sub Task/Activity	Hazards Identified	RA Criteria (People/Environment/Property/Process)	Consequences	Existing Control Measures	Severity** Rating (A) of consequences with existing controls	Likelihood** Rating (B) (Refer Table in Sect.2)	Risk Level**	Additional Controls (if any)	Person Responsible	Agreed time	New Severity Rating(A1)	New Likelihood Rating(B1)	Residual Risk (A1/B1)	Decision to
Lifting of heavy items using chain blocks and gantry	Defective lifting equipment	People	Injury	PPE to be worn. Ensure staff are aware of proper lifting procedures.	3	2	6						6	Y
		People & Property	Injury Damage to property	Ensure slings & shackles are free from defects.	3	2	6						6	Y
		People Property	Injury Damage to property	Ensure gantry is free from defects.	3	2	6						6	Y
	Improper slinging	People & Property	Injury Damage to property	Ensure the load being lifted is properly rigged.	3	2	6						6	Y
	Lifting equipment being overloaded	People & Property	Injury Damage to property	Ensure lifting equipment is of adequate SWL for load being lifted	3	2	6						6	Y
				Lift load several inches to ensure load is not slipping or unevenly rigged.	3	2	6						6	Y
	Unauthorised personnel in the work area	People	Injury	Unauthorized persons to be excluded from work area. Safety barrier to be erected sound work area as required.	3	2	6						6	Y

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- *Numbering guidance: a. New RA No. if it is a fresh case. b. Old RA No. with new date if no change is hazards. c. Old RA No. inserting Rev. No & new date if there are additional Hazards
- ** Refer RA Matrix (Sect.2 Table 1,2,3, of this Form for Hazards / Consequences Evaluation (Likelihood/Severity) to People, Environment and/or Property / Commercial aspects as applicable to arrive at ratings of (A) & (B).
- *** Refer Risk Level table (Sect.2 Table 4 of this form)). .If results are either in yellow or red consider additional measures to mitigate the risk.
- ‘Contingency Plans’ to limit the impact of unplanned occurrences/ failure of control measures to be discussed and recorded in the section below.
- During review of the RA process, if scope for improvement of the documented HSE procedure for the operation/activity is identified, same should be recorded in the comments section below.

Contingency Plans :

Comments :

All lifting operations must be planned and the weights of loads established before lifting Where specialist equipment is used -slings/FLT's etc only approved volunteers can operate the equipment to be used – all such equipment is subject to statutory testing at the prescribed intervals

Signed:

_____ _____
Date

Reviewer's Comments:

Signed:

_____ _____
Name / Position / Signature Date

SECT 2: Risk Ranking Matrices & Risk Level Tables

TABLE 1 : - PEOPLE			(Severity of)Consequence-A				
			FAC: First Aid Case	LTI: Lost Time Incident	Hospital: Injury requiring Hospitalization or LTI >24hours	Perm Disability: Injury resulting in permanent disability	Fatality: Injury resulting in death
Likelihood of	Happened several times per annum in a location/ship (Very likely)	Rating	1	2	3	4	5
		5	5	10	15	20	25

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Happened several times per annum within the company (Likely)	4	4	8	12	16	20
Happened within our company at least once (Unlikely)	3	3	6	9	12	15
Heard Within the industry (Highly unlikely)	2	2	4	6	8	10
Never heard within the industry (Almost NIL chances)	1	1	2	3	4	5

TABLE 2: <u>PROPERTY / COMMERCIAL</u>			(Severity of)Consequence-A				
			GBP 10. Damage to property/equipment	GBP 50. Damage to property/equipment	GBP 100. Damage to property/equipment	GBP 500. Damage to property/equipment	GBP 1000 Damage to property/equipment
Likelihood Of Consequence-B	Rating	1	2	3	4	5	
	Happened several times per annum in a location/ship (Very likely)	5	10	15	20	25	
	Happened several times per annum within the company (Likely)	4	8	12	16	20	
	Happened within our company at least once (Unlikely)	3	6	9	12	15	
	Heard Within the industry (Highly unlikely)	2	4	6	8	10	
	Never heard within the industry (Almost NIL chances)	1	2	3	4	5	

TABLE 3 :			(Severity of) Consequence (To be defined)\#* - A				
<u>RA - MATRIX FOR MOC</u>			Negligible	Minor	Moderate	Major	Catastrophic
Likelihood Of Consequences-B	Rating	1	2	3	4	5	
	Very likely	5	10	15	20	25	
	Likely	4	8	12	16	20	
	Unlikely	3	6	9	12	15	
	Highly unlikely	2	4	6	8	10	
	Almost NIL chances	1	2	3	4	5	

Table 4: Risk Levels	Meaning	Action
1 - 7	Tolerable	Risk is acceptable and job can be undertaken. Consideration may be given for further reduction of risk if reasonably possible. However, in case value is above 4, continuous monitoring is required to ensure existing controls are maintained.
8 - 11	Moderate	Efforts are to be made to reduce the risk by placing additional controls with an aim to bring down Risk Level to Green zone.

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12 - 25	Substantial	Efforts are to be made to reduce the risk to green/yellow rating by placing additional controls and taking appropriate action as defined above. However, If the final risk level is in the red zone then no job shall be undertaken. Until the final risk level is reduced so that it is no longer in the red zone the job shall not be undertaken."
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