

RISK ASSESSMENT FORM

STRTRA-04

Dept. Name:	Engineering Workshop	RA no*:		Rev No.*		Date:	
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Work / Activity Details: . Use of Inspection Pit

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** (A x B)	Additional Controls (if any)	Person Responsible	Agreed time frame	New Severity	New Likelihood Rating (B1)	Residual Risk (A1 x B1)	Decision to
Working in the Inspection Pit	Trip	People	Injury	Ensure adequate lighting is on in the pit prior to work commencing.	3	3	9				3	2	6	Y
				Ensure the pit is clear of any trip hazards.	3	2	6							Y
	Low headroom of overhead track	People	Injury	Ensure proper PPE is worn at all times	3	2	6							Y
	Falling into the pit	People	Injury	Ensure the safety chain/tape is fitted to the stanchions round the pit.	3	3	9				3	2	6	Y
Working on stock from track level	Falling into the pit	People	Injury	Ensure adequate supply of pit boards are fitted between pit sides and track for access to stock.	3	3	9				3	2	6	Y
				Ensure pit boards are free from defects and fit for use.	3	2	6							Y
Working on stock from track level	Falling tools from track level into the pit.	People	Injury	Ensure there are no staff working below areas where overhead work is being carried out unless necessary.	3	2	6							Y

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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** (A, Y, R)	Additional Controls (if any)	Person Responsible	Agreed time frame	New Severity	New Likelihood Rating(B1)	Residual Risk (B1)	Decision to

- *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 :

The inspection pits in Shed 1 (Engineering Workshop) & Shed 2 must be fenced off at all times to limit accidental access If an inspection pit is in use only the part required to access it by an item of rolling stock should be unfenced and only during the rolling stock movement Pit boards must be installed where access to a rolling stock item from the pits is required Where installed pit lighting should be maintained – pit should be regularly cleaned and tidies up to ensure that there is no accumulation of material which would pose a fire hazard or trip hazard

Signed:

Date

Reviewer’s Comments:

Signed:

Name / Position / Signature

Date

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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 Consequence)- B	Rating		1	2	3	4	5
	Happened several times per annum in a location/ship (Very likely)	5	5	10	15	20	25
	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: PROPERTY / COMMERCIAL			(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	5	10	15	20	25
	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 3 : RA - MATRIX FOR MOC			(Severity of) Consequence (To be defined)\#* - A				
			Negligible	Minor	Moderate	Major	Catastrophic
Likelihood Of Consequences-B	Rating		1	2	3	4	5
	Very likely	5	5	10	15	20	25
	Likely	4	4	8	12	16	20
	Unlikely	3	3	6	9	12	15
	Highly unlikely	2	2	4	6	8	10

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Almost NIL chances	1	1	2	3	4	5
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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.
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."