Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CSPN Goods Cage Sheet: 1 of 15

Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
1. Crane Operational Safety Pre-Checks.	a) Unsafe use of Crane resulting in Cage, and/or items shifting & falling from height and striking Personnel and/or objects.	 Serious Risk to Personnel. Moderate Risk to Operator. 	 The Crane has been duly commissioned & all lifting apparatus appropriately marked in accordance with AS 1418. Pre-operational inspections (in accordance with AS 2550.1), to be carried out before each shift Crane taken out of service if any risks or malfunctions are found. These MUST be reported & recorded for assessment by a competent person. Operator to review logbook, be satisfied about presence of unauthorised personnel on the Crane & the safe working conditions of the Crane. Operator to ensure the rated working load of the Crane & any lifting apparatus is not exceeded. (continued on sheet 2 of 15). 	

Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CSPN Goods Cage Sheet: 2 of 15

Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
Crane Operational Safety Pre-Checks (Continued).	a) Unsafe use of Crane resulting in Cage, and/or items shifting & falling from height and striking Personnel and/or objects. (Continued)	 Serious Risk to Personnel. Moderate Risk to Operator. 	 Any stabilisers to be engaged prior to lifting. All Crane movements to be carried out under power. The operational areas to be assessed for hazards prior to and during work shifts. The Operator to be provided with all necessary information to ensure risks are eliminated or controlled. The Crane must to be left in safe condition after each shift. Inspections, maintenance and repairs to be carried out in accordance with the relative Crane Instruction Manuals and AS 2550.1. 	





Equipment Type & Description: Type CSPN Goods Cage Sheet: 3 of 15

Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control
Crane Operational Safety Pre-Checks (continued).	b) Electric Shock	 Serious Risk to Operator. Serious Risk to Personnel. 	 All Risk Control Measures outlined in 1(a) above are to be in place. The Power Supply is to be compatible with the Crane. Operator to keep clear of overhead obstructions and in particular MAINTAIN RELEVANT CLEARANCES of ELECTRICAL Conductors. A Spotter shall be used whenever operating near aerial conductors in accordance with AS 2550.1. Ensure an Electrical isolation procedure developed for the Crane is in place – Operator must know location of main isolation switch & fire fighting equipment. If more than 25 persons employed at workplace/site, a Certified First Aider to be at Workplace or on Site. 	In Place (Date)

Assessment carried out by:	Allan WALKER, East West Engineering	Date of Assessment:	10 th December 200

Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CSPN Goods Cage Sheet: 4 of 15

Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
2. Industrial Truck Operational Safety Pre-Checks.	a) Unsafe use of Industrial Truck – resulting in Cage and/or Items shifting & falling from height and striking Personnel and/or objects.	 Serious Risk to Operator. Serious Risk to Pedestrians. 	 Pre-operational inspections (in accordance with AS 2359.2), to be carried out before each shift – Industrial Truck taken out of service if any risks or malfunctions are found. These MUST be reported & recorded for assessment by a competent person. Inspections, maintenance and repairs to be carried out in accordance with the relative Industrial Truck Operating Manuals and AS 2359.2. The Industrial Truck & attachments supporting the Cage to comply with AS 2359.1. The rated capacity of the Industrial Truck to handle the load must not be exceeded. (continued on sheet 5 of 15). 	

Assessment carried out by: <u>Allan WALKER, East West Engineering</u> Date of Assessment: <u>10th December 2007</u>

Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CSPN Goods Cage Sheet: 5 of 15

Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
2. Industrial Truck Operational Safety Pre-Checks (continued).	a) Unsafe use of Industrial Truck – resulting in Cage and/or Items shifting & falling from height and striking Personnel and/or objects (continued).	 Serious Risk to Operator. Serious Risk to Personnel. 	 The operational areas to be assessed for hazards prior to and during work shifts. The Industrial Truck to be used on a hard level surface. The Industrial Truck to be left in a safe condition after each shift. The Operator to be provided with all necessary information to ensure risks are eliminated or controlled If more than 25 persons employed at workplace/site, a Certified First Aider to be at Workplace or on Site when the Industrial Truck is being used. 	

Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CSPN Goods Cage Sheet: 6 of 15

Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
3. Goods Cage Operational Safety Pre-Checks.	a) Unsafe use of Cage resulting in Cage and/or Load shifting & falling from height and striking personnel and/or objects.	 Serious Risk to Personnel. Moderate Risk to Operator. 	 Inspections, maintenance and repairs to be carried out in accordance with Instruction Manual. All Pre-Checks listed in the Instruction Manual are to be carried out before each shift. The Cage is to be fitted securely to the lifting apparatus according to the Instruction Manual. All instructions for the use of the Cage as laid out in the Instruction manual are to be followed. The Operator to lift the Cage to required height to confirm all systems are functioning correctly. (continued on sheet 7 of 15) 	

The booksment carried out of the booksment.	Assessment carried out by:	Allan WALKER, East West Engineering	Date of Assessment:	10 th December 200
---	----------------------------	-------------------------------------	---------------------	-------------------------------

Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CSPN Goods Cage Sheet: 7 of 15

	Operation	Hazards Identified		Risk Assessment		Risk Control Measures in Place	Risk Control In Place (Date)
3.	Goods Cage Operational Safety Pre-Checks (continued).	a) Unsafe use of Cage resulting in Cage and/or Load shifting & falling from height and striking personnel and/or objects. (continued).	•	Serious Risk to Personnel. Moderate Risk to Operator.	-	The Operator to ensure there has been no unauthorised interference or alteration to the equipment that may cause risk. The hoist used to lift the Cage is not to be twisted or tangled before lifting. If any equipment becomes unsafe, stop all usage until risk has been eliminated or controlled. The use of the attachment is limited to those situations for which it is specifically designed and/or in accordance with AS 2550.1.	In Truce (Dute)

The booksment carried out of the booksment.	Assessment carried out by:	Allan WALKER, East West Engineering	Date of Assessment:	10 th December 200
---	----------------------------	-------------------------------------	---------------------	-------------------------------





Equipment Type & Description: Type CSPN Goods Cage Sheet: 8 of 15

Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
4. Lifting, Lowering, transporting or manoeuvring Cage/Load with Crane or Industrial Truck.	a) Unsafe/Incompetent Operator.	 Serious Risk to Operator. Serious Risk to Personnel. 	 Only Certified & fully Trained Operators are to use the Crane or Industrial Truck. Operators must not work the Crane or Industrial Truck unless they are physically & mentally capable. 	
	b) Items Falling from Height.	 Serious Risk to Personnel. Moderate Risk to Operator. 	 All Risk Control Measures outlined above are to be in place. Operator to ensure the Cage is fitted securely to the lifting apparatus. Operator to ensure Cage Gate is secured in the closed position at all times. Barriers/warning Signs in areas subject to passing traffic to be installed. NO PERSONNEL are to ride on or in Cage at any time. The Cage to be raised no higher than necessary. (continued on sheet 9 of 15) 	

Assessment carried out by:	Allan WALKER, East West Engineering	Date of Assessment:	10 th December 200'

Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CSPN Goods Cage Sheet: 9 of 15

Operation	Hazards Identified	F	Risk Assessment		Risk Control Measures in Place	Risk Control In Place (Date)
4. Lifting, Lowering, transporting or manoeuvring Cage/Load with Crane or Industrial Truck (continued).	b) Items falling from height (continued).	• N	Serious Risk to Personnel. Moderate Risk to Operator.	-	The Industrial Truck mast, if adjustable, to be back tilted Transport the Cage as low as practicable. Operator to hoist Cage vertically in a smooth manner slowly with minimum acceleration & deceleration.	
	c) Cage and/or load uncontrolled and/or having unexpected movements.	• N	Serious Risk to Personnel Moderate Risk to Operator.		All Risk Control Measures outlined in 4(b) above are to be in place. Operator to gain assurance from a responsible person that the Cage and any load may be handled safely. The Operator to check the Load is secured inside the Cage & the Cage prevented from swinging. Use a 'tagline' if necessary Operator to avoid sudden stops, jerky movements. The Operator is to stay with controls at all times whilst in operation. (continued on sheet 10 of 15)	

	Assessment carried out by:	Allan WALKER, East West Engineering	Date of Assessment:	10 th December 200°
--	----------------------------	-------------------------------------	---------------------	--------------------------------

Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CSPN Goods Cage Sheet: 10 of 15

	Operation	Hazards Identified		Risk Assessment		Risk Control Measures in Place	Risk Control In Place (Date)
4.	Lifting, Lowering, transporting or manoeuvring Cage/Load with Crane or Industrial Truck (continued).	c) Cage and/or Load uncontrolled and/or having unexpected movements (continued).	•	Serious Risk to Personnel. Moderate Risk to Operator.	-	The Cage is NOT to be dragged along the ground. Cage not to be moved unless the safety of persons in the vicinity of the Crane/Industrial Truck is assured. Operator to follow directions & signals given by an authorised person unless a dangerous situation occurs in which case all Cage movements to cease. Cage/hook not to be moved when out of sight unless directed to by an authorised person. When landing the Cage by Crane, rope slack must be avoided.	
		d) Operator exposed to fixed/moving components.	•	Serious Risk to Operator.	-	The Operator is to stay with controls at all times whilst in operation. The Operator is to keep hands/feet wholly within Crane/Industrial Truck Cab whilst in operation.	

Assessment carried out by. Analy walker, East west Engineering Date of Assessment. To December	Assessment carried out by:	Allan WALKER, East West Engineering	Date of Assessment:	10 th December 200
--	----------------------------	-------------------------------------	---------------------	-------------------------------

Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CSPN Goods Cage Sheet: 11 of 15

Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
4. Lifting, Lowering, transporting or manoeuvring Cage/Load with Crane or Industrial Truck (continued).	e) Cage and/or load too heavy and/or unbalanced (e.g. Industrial Truck overturning).	 Serious Risk to Operator. Serious Risk to Personnel. 	 All Risk Control Measures outlined in 4(b) and 4(c) above are to be in place. The Operator to be aware of the weight of Cage & load. The rated working load of the Crane is NOT to be exceeded. The rating capacity of the Industrial Truck to handle the load is NOT to be exceeded. The Operator is to be trained in the use of lifting booms, slings & chains for lifting loads. When transporting using an Industrial Truck, it is to be used on a hard surface, the area assessed before usage. The attachment is to be raised unladen to working height to confirm all systems are functioning. 	





Equipment Type & Description: Type CSPN Goods Cage Sheet: 12 of 15

Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
4. Lifting, Lowering, transporting or manoeuvring Cage/Load with Crane or Industrial Truck (continued).	f) Cage/Load and/or Industrial Truck striking Personnel.	Serious Risk to Personnel.	 All Risk Control Measures outlined in 4(c) and 4(e) above are to be in place. A suitable clear space between barriers is to be left to safely use the Cage. The Crane/Cage is NOT to be moved unless the safety of Personnel is assured. Cage MUST be visible to Personnel controlling the Crane movements at all times whilst suspended. All safety equipment on the Crane/Industrial Truck MUST be functioning before use, (ie Reversing Beepers). Convex mirrors are to be placed at Aisle corners used by Industrial Trucks. (continued on sheet 13 of 15) 	





Equipment Type & Description: Type CSPN Goods Cage Sheet: 13 of 15

	Operation	Hazards Identified		Risk Assessment		Risk Control Measures in Place	Risk Control In Place (Date)
4.	Lifting, Lowering, transporting or manoeuvring Cage/Load with Crane or Industrial Truck (continued).	f) Cage/Load and/or Industrial Truck striking Personnel (continued).	•	Serious Risk to Personnel.	-	A system is to be developed for handling the Cage/loads about the Workplace/Site. Manoeuvre slowly & cautiously when the Cage/load is elevated.	
		g) Cage/Load striking objects, Industrial Truck and/or Mast striking Objects.	•	Serious Risk to Operator. Serious Risk to Personnel.	-	All Risk Control Measures outlined in 4(b), 4(c) and 4(f) above are to be in place. Lifting & lowering areas to be assessed & the Crane Operator and/or Controller made aware of any objects within the path of normal Crane movements. Cage/hook to be raised sufficiently to avoid collision during horizontal movements. The Crane or Industrial Truck Mast to keep clear of any overhead obstructions, and in particular ELECTRICAL conductors. (continued on sheet 14 of 15)	

Assessment carried out by	: Allan WALKER, East West Engineering	Date of Assessment:	10 th December 200°

Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CSPN Goods Cage Sheet: 14 of 15

Operation	Hazards	Risk Assessment	Risk Control	Risk Control
Operation	Identified	Risk Assessificit	Measures in Place	In Place (Date)
4. Lifting, Lowering, transporting or manoeuvring Cage/Load with Crane or Industrial Truck (Continued)	g) Cage/Load striking objects, Industrial Truck and/or Mast striking Objects (continued).	 Serious Risk to Operator. Serious Risk to Personnel. 	- Work areas to be assessed to ensure NO overhead fittings can be contacted by Industrial Truck mast, Cage and/or load.	III Flace (Date)
	h) Crane or Industrial Truck falling from raised areas.	 Serious Risk to Operator. Serious Risk to Personnel. 	 All Risk Control Measures outlined above are to be in place. All safety railings are to be placed in raised areas such as Ramps, Loading Docks etc. 	
	i) Entanglement with lifting ropes, chains, slings, beams, fallropes & taglines.	Serious Risk to Personnel.	 All Risk Control Measures outlined above are to be in place. Spotters, Dogmen, Riggers are to be well clear of any lifting apparatus before any Crane movements take place. All lifting ropes, chains, slings and/or lifting beams are to be prevented from swinging and/or become slack. 	

Assessment carried out by	: Allan WALKER, East West Engineering	Date of Assessment:	10 th December 200°





Equipment Type & Description: Type CSPN Goods Cage Sheet: 15 of 15

Operation	Hazards	Risk Assessment	Risk Control	Risk Control
5. Storage of Goods Cage	Identified a) Cage becoming damaged.	 Serious Risk to Personnel. Moderate Risk to Operator. 	Measures in Place Regular Maintenance, inspection and testing according to the Instruction Manual to be carried out. Cage to be stored in dry areas and away from any corrosive chemicals.	In Place (Date)
	b) Cage in the way of normal Workplace/Site Operations.	Moderate Risk to Pedestrians.	- Cage to be stored in areas which will not interfere with the normal running of the Workplace/Site.	

Assessment carried out by	7: Allan WALKER, East West Engineering	Date of Assessment:	10 th December 200