

Overhead-crane load transfer - JSA - A

en-SG · Basic task controls · v1.0 · 2026-10-14 · Sources: article section 9

Site: | Item ID: | Work area:

Approval	Work supervisor	Technical reviewer	Release / handover authority

1. Job details and team signatures

Date / time		Location / area		Assessor		Supervisor	
Team signatures							

2. Conditions and hold points

Stage	Time	Location / area	Environment / readings	Item / condition	Controls	Plant / tools	Approval / signature
HP-0 Start							
HP-1 Inspect crane and rigging							
HP-2 Rig and clear zone							
HP-3 Verify initial lift							
HP-4 Land and unrig							

Complete after actual checks. Recheck after changes, defects or shift handover.

3. JSA risk assessment

Job stage	Hazards and effects	Failure factors	Technical and procedural controls	Site verification	P	S	R	A
1. Plan load and landing	1. Overload 2. Lifting-point failure 3. Structure collision	1. Rigging weight omitted 2. Center unknown 3. Route unreviewed	1. Verify total load and centre 2. Confirm lifting points 3. Plan route/exclusion	1. Material/weight basis 2. Point and rigging design 3. Route/adjacent work				
2. Inspect crane and rigging	1. Load drops 2. Wrong crane moves 3. Brake fault	1. Sling damaged/unmarked 2. Controller confused 3. Checks omitted	1. Inspect ratings/condition 2. Match controller/directions 3. Complete required checks	1. Crane/sling IDs 2. Hook and sling condition 3. Controller/brake checks				
3. Rig and clear zone	1. Sling slips 2. Finger crush 3. Edge cuts sling	1. Hitch/angle wrong 2. Hands in tension zone 3. Edge unprotected	1. Use planned rated rigging 2. Center hook vertically 3. Protect edges	1. Hitch/angle/points 2. Hook/load centre 3. Edge protection				
4. Verify initial lift	1. Load tilts 2. Sling moves 3. Brake allows descent	1. Tension unchecked 2. Hands correct balance 3. Brake test omitted	1. Stand clear of load 2. Check secure low lift 3. Test brakes as required	1. Balance and rigging 2. Brake response 3. Support separation				
5. Travel and traverse	1. Load swings 2. Structure impact 3. Person crushed	1. Sudden motion 2. Clearance changes 3. People in path	1. Move smoothly 2. Watch whole route 3. Keep load clear of people	1. Load/structure clearance 2. Route access 3. Adjacent crane position				
6. Land and unrig	1. Support overturns 2. Hand crush 3. Rigging snaps free	1. Dunnage unstable 2. Hands below load 3. Tension remains	1. Land on prepared support 2. Keep hands clear 3. Confirm slack rigging	1. Final load stability 2. Support contact 3. Sling tension				

P/S/R/A: Complete only after actual site assessment using the site risk method.

4. Pre-work checklist

☐ Material/weight basis	☐ Crane/sling IDs	☐ Hitch/angle/points
☐ Balance and rigging	☐ Load/structure clearance	☐ Final load stability
☐ Route/adjacent work	☐ Support separation	☐ Sling tension