

Overhead-crane load transfer - JSA - C

en-SG · Supervision, records, handover · 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. Lift basis	1. Overload 2. Lifting-point failure 3. Wrong crane selected	1. Total mass unknown 2. Point rating assumed 3. Configuration mismatched	1. Verify load and attachments 2. Confirm points and rigging 3. Match crane capacity	1. Weight and centre basis 2. Point hitch and angle data 3. Crane and load identity				
2. Equipment acceptance	1. Load drops 2. Safety device fails 3. Defective sling reused	1. Examination outdated 2. Pre-use check skipped 3. Gear record mismatched	1. Verify current statutory records 2. Inspect actual crane and gear 3. Complete prescribed checks	1. AE and gear records 2. Controller brake and limits 3. Defect and use disposition				
3. Team and route release	1. Person struck 2. Structure collision 3. Wrong motion	1. Controller orientation confused 2. Route obstructed 3. Signals conflict	1. Brief equipment directions 2. Secure full travel exclusion 3. Assign clear communication	1. Operator and team roles 2. Route and adjacent work 3. Landing and signal plan				
4. Initial lift review	1. Load tilts 2. Sling slips 3. Uncontrolled descent	1. Centre wrong 2. Hitch not seated 3. Brake response abnormal	1. Keep people clear 2. Check controlled initial lift 3. Stop abnormal response	1. Balance and sling seating 2. Brake and clearance findings 3. Correction before travel				
5. Landing acceptance	1. Support overturns 2. Hand crush 3. Trapped sling releases	1. Contact mistaken for support 2. Hands enter beneath 3. Sling pulled under load	1. Verify stable full support 2. Keep hands out of crush zones 3. Remove only slack free gear	1. Support contact and stability 2. Sling tension state 3. Safe removal path				
6. Fault and transfer	1. Suspended load abandoned 2. Unauthorised restart 3. Defective crane reused	1. Recovery unplanned 2. Signal loss ignored 3. Fault not marked	1. Maintain controlled exclusion 2. Plan safe recovery 3. Secure and transfer restrictions	1. Load and crane position 2. Recovery and correction record 3. Controller and receiving owner				

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

4. Pre-work checklist

☐ Weight and centre basis	☐ AE and gear records	☐ Operator and team roles
☐ Balance and sling seating	☐ Support contact and stability	☐ Load and crane position
☐ Crane and load identity	☐ Correction before travel	☐ Controller and receiving owner