

Medium-Voltage Switchgear Positioning - JSA - B

en-US · Technical failure review · v1.0 · 2026-10-13 · 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 Prepare route and base							
HP-2 Inspect lift arrangement							
HP-3 Land and secure							
HP-4 Transfer installation							

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. Prepare route and base	1. Transport overturn 2. Pedestrian strike 3. Foundation distortion	1. Uneven route accepted 2. Shared access uncontrolled 3. Base level unverified	1. Accept full transport route 2. Separate people and movement 3. Verify foundation geometry	1. Wheel path and clearances 2. Exclusion and signals 3. Foundation and anchors				
2. Inspect lift arrangement	1. Cabinet roof damage 2. Load rotation 3. Dropped loose parts	1. Unapproved point used 2. Balance unreviewed 3. Doors unsecured	1. Use designated provisions 2. Control shipping balance 3. Secure movable parts	1. Point and model match 2. Planned lift geometry 3. Doors and loose items				
3. Trial lift and move	1. Cabinet tilt 2. Crush at obstruction 3. Uncontrolled travel	1. Center of gravity wrong 2. Clearance changes 3. Conflicting signals	1. Keep exclusion effective 2. Stop for route change 3. Use designated signaler	1. Route and overhead clearance 2. People outside crush zone 3. Signals and stop response				
4. Land and secure	1. Finger crush 2. Anchor failure 3. Premature sling release	1. Hands placed under base 2. Anchor detail wrong 3. Ground contact accepted alone	1. Verify full support 2. Complete required restraints 3. Authorize sling release	1. Anchor and temporary support 2. Stable released condition 3. Named release authority				
5. Join lineup	1. Pinch between groups 2. Lost electrical continuity 3. Bracket interference	1. Hands guide cabinet gap 2. Grounding status assumed 3. Wrong removal sequence	1. Keep hands clear of gaps 2. Record grounding work status 3. Follow model bracket sequence	1. Specified fastening record 2. Grounding handover status 3. Braces and bracket status				
6. Hold and reposition	1. Unstable disconnected base 2. Adjacent circuit exposure 3. Unexpected load shift	1. Restraints removed early 2. Boundary changes 3. Lift points no longer valid	1. Reestablish lifting support 2. Review changed surroundings 3. Recheck handling arrangement	1. Current support condition 2. Revised electrical boundary 3. Accepted rework sequence				

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

4. Pre-work checklist

☐ Wheel path and clearances	☐ Point and model match	☐ Route and overhead clearance
☐ Anchor and temporary support	☐ Specified fastening record	☐ Current support condition
☐ Foundation and anchors	☐ Named release authority	☐ Accepted rework sequence