

Medium-Voltage Switchgear Positioning - JSA - C

en-US · Supervision, records, handover · v1.0 · 2026-10-13 · Sources: article section 9

Site: | Item ID: | Work area:

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. Shipping configuration | 1. Wrong lifting assumption<br>2. Cabinet overturn<br>3. Component damage                 | 1. Drawing revision unclear<br>2. Internal contents changed<br>3. Unapproved group split             | 1. Freeze transported configuration<br>2. Confirm actual balance<br>3. Resolve manufacturer method | 1. Shipping group and revision<br>2. Mass and retained components<br>3. Approved lifting arrangement |   |   |   |   |
| 2. Route acceptance       | 1. Cover collapse<br>2. Transport collision<br>3. Uncontrolled reroute                    | 1. Wheel reactions omitted<br>2. Clearances not measured<br>3. Field detour unreviewed               | 1. Review complete load path<br>2. Confirm transport envelope<br>3. Require route-change hold      | 1. Wheel and support reactions<br>2. Cover bearing and structure<br>3. Accepted route drawing        |   |   |   |   |
| 3. Electrical interface   | 1. Contact with live gear<br>2. Unexpected auxiliary supply<br>3. Wrong handover boundary | 1. Nearby work uncoordinated<br>2. Heater supply overlooked<br>3. Isolation owner unclear            | 1. Define electrical boundaries<br>2. Coordinate source custody<br>3. Assign electrical handover   | 1. Adjacent equipment status<br>2. Auxiliary supply controls<br>3. Responsible qualified person      |   |   |   |   |
| 4. Landing release        | 1. Unstable cabinet release<br>2. Anchor damage<br>3. Foundation distortion               | 1. Touchdown equals acceptance<br>2. Required restraint incomplete<br>3. Level correction improvised | 1. Gate sling release<br>2. Verify support and fastening<br>3. Resolve foundation geometry         | 1. Base seating and level<br>2. Anchor and restraint status<br>3. Release record                     |   |   |   |   |
| 5. Lineup sequence        | 1. Distorted enclosure<br>2. Bracket interference<br>3. Shipping restraint retained       | 1. Bolts used to force fit<br>2. Model sequence generalized<br>3. Removal record absent              | 1. Review joining sequence<br>2. Use model-specific removal<br>3. Inspect damage and completeness  | 1. Joint and alignment record<br>2. Bracket and brace status<br>3. Handling damage resolution        |   |   |   |   |
| 6. Electrical transfer    | 1. Premature energization<br>2. Unfinished grounding<br>3. Open-pit exposure              | 1. Mechanical scope overstated<br>2. Work status left verbal<br>3. Access restoration omitted        | 1. Define accepted next stage<br>2. Transfer electrical holds<br>3. Confirm area restoration       | 1. Installation acceptance<br>2. Grounding and test status<br>3. Receiving owner and limits          |   |   |   |   |

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

4. Pre-work checklist

|                                                       |                                                      |                                                     |
|-------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------|
| <input type="checkbox"/> Shipping group and revision  | <input type="checkbox"/> Wheel and support reactions | <input type="checkbox"/> Adjacent equipment status  |
| <input type="checkbox"/> Base seating and level       | <input type="checkbox"/> Joint and alignment record  | <input type="checkbox"/> Installation acceptance    |
| <input type="checkbox"/> Approved lifting arrangement | <input type="checkbox"/> Release record              | <input type="checkbox"/> Receiving owner and limits |