

Temporary electrical distribution and testing - 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 Isolate							
HP-2 Dead tests							
HP-3 Live tests							
HP-4 Handover							

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. Licence and supply review	1. Backfeed 2. Wrong protection 3. Unsafe energisation	1. Sources not mapped 2. LEW scope unsuitable 3. Licence duty overlooked	1. Identify all sources 2. Appoint appropriate-class LEW 3. Confirm installation licensing	1. Source and earthing design 2. LEW scope and licence status 3. Load and protection basis				
2. Isolation release	1. Electric shock 2. Stored charge 3. Automatic restart	1. Secondary feed missed 2. Tester unproved 3. Remote command active	1. Lock every source 2. Control stored energy 3. Verify dead at work position	1. Source and lock register 2. Before and after tester checks 3. All conductors and discharge				
3. Installation acceptance	1. Cable damage 2. Terminal overheating 3. Water ingress	1. Route unprotected 2. Torque guessed 3. Gland unsuitable	1. Inspect actual route 2. Use specified termination 3. Check enclosure and seals	1. Cable and route identity 2. Torque and tool record 3. PE and enclosure checks				
4. Dead-test acceptance	1. False pass 2. Equipment damage 3. Test-voltage contact	1. Reading copied 2. Sensitive load connected 3. Test boundary uncontrolled	1. Establish test configuration 2. Use compatible method 3. Record and discharge after test	1. Method and acceptance source 2. Instrument and actual readings 3. Defect correction and retest				
5. Energised test control	1. Arc exposure 2. Unexpected start 3. Protection failure	1. People inside boundary 2. Dead tests incomplete 3. Button used as full proof	1. Obtain LEW test release 2. Clear and control test area 3. Test specified protection	1. Dead-test review 2. Device settings and test mode 3. Trip results and restored covers				
6. Operational transfer	1. Unreviewed load increase 2. Repeated fault 3. Unsafe removal	1. Drawing outdated 2. Trip reset blindly 3. Live cable unidentified	1. Transfer circuit register 2. Assign fault and change process 3. Isolate before dismantling	1. As-built and protection settings 2. Receiver and inspection duties 3. Outstanding isolations and limits				

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

4. Pre-work checklist

☐ Source and earthing design	☐ Source and lock register	☐ Cable and route identity
☐ Method and acceptance source	☐ Dead-test review	☐ As-built and protection settings
☐ Load and protection basis	☐ Defect correction and retest	☐ Outstanding isolations and limits