

Ex equipment and cable gland installation - JSA - B

en-SG · Technical failure review · 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 Match approval      |      |                 |                        |                  |          |               |                      |
| HP-2 Isolate and support |      |                 |                        |                  |          |               |                      |
| HP-3 Fit cable entry     |      |                 |                        |                  |          |               |                      |
| HP-4 Inspect and close   |      |                 |                        |                  |          |               |                      |

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 work area   | 1. Electric shock<br>2. Mixed components<br>3. Surface damage       | 1. External feed missed<br>2. Sizes mixed<br>3. Poor storage                    | 1. Identify all feeds<br>2. Keep parts identified<br>3. Protect critical surfaces              | 1. Supply boundaries<br>2. Gland and seal IDs<br>3. Storage condition             |   |   |   |   |
| 2. Match approval      | 1. Wrong gas group<br>2. Hot surface<br>3. Unapproved substitute    | 1. Substance mismatch<br>2. Temperature unchecked<br>3. Conditions unread       | 1. Match actual substance<br>2. Review temperature rating<br>3. Resolve special conditions     | 1. Substance and group<br>2. Temperature and ambient<br>3. Special-use conditions |   |   |   |   |
| 3. Isolate and support | 1. Atmosphere ignition<br>2. Equipment drop<br>3. Flamepath damage  | 1. Unsafe atmosphere<br>2. Poor support<br>3. Surface machined                  | 1. Maintain area controls<br>2. Use specified support<br>3. Preserve critical faces            | 1. Atmosphere status<br>2. Support and fasteners<br>3. Surface inspection         |   |   |   |   |
| 4. Fit cable entry     | 1. Cable pullout<br>2. Protection lost<br>3. Bonding break          | 1. Wrong thread or seal<br>2. Armour mishandled<br>3. Open spare entry          | 1. Use approved components<br>2. Verify armour and grip<br>3. Fit approved blanks              | 1. Entry and seal match<br>2. Cable restraint<br>3. Blanking and bonding          |   |   |   |   |
| 5. Inspect and close   | 1. Loose closure<br>2. Water ingress<br>3. Defect concealed         | 1. Wrong assembly force<br>2. Inspection skipped<br>3. Repair history lost      | 1. Follow specified fastening<br>2. Check complete entry<br>3. Record limitations              | 1. Bolts and closure<br>2. Entry inspection<br>3. Defect and release              |   |   |   |   |
| 6. Hold mismatch       | 1. Damaged protection<br>2. Premature power<br>3. Repeated mismatch | 1. Flamepath altered<br>2. Replacement uninspected<br>3. Combination unrecorded | 1. Identify damaged parts<br>2. Review permitted combination<br>3. Verify specified inspection | 1. Surface and seal damage<br>2. Replacement combination<br>3. Restart evidence   |   |   |   |   |

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

4. Pre-work checklist

|                                               |                                               |                                                  |
|-----------------------------------------------|-----------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> Supply boundaries    | <input type="checkbox"/> Substance and group  | <input type="checkbox"/> Atmosphere status       |
| <input type="checkbox"/> Entry and seal match | <input type="checkbox"/> Bolts and closure    | <input type="checkbox"/> Surface and seal damage |
| <input type="checkbox"/> Storage condition    | <input type="checkbox"/> Blanking and bonding | <input type="checkbox"/> Restart evidence        |