

## Protection IED Cybersecurity FAT and SAT Checklist

Apply these controls according to consequence and the approved substation architecture. This checklist complements the organisation's security policy and project cybersecurity plan.

|                |  |              |  |
|----------------|--|--------------|--|
| Project / Site |  | Document No. |  |
| Panel / Bay    |  | Revision     |  |
| Prepared by    |  | Date         |  |
| Witnessed by   |  | Status       |  |

### Asset and trust baseline

| Status | Checklist item                                                                              | Evidence / comment |
|--------|---------------------------------------------------------------------------------------------|--------------------|
| [ ]    | Record manufacturer, exact model, serial number, order code, firmware and option licences.  |                    |
| [ ]    | List enabled services, listening ports, protocols, user roles and certificate dependencies. |                    |
| [ ]    | Confirm approved firmware source, integrity verification and rollback plan.                 |                    |

### Identity and access

| Status | Checklist item                                                                         | Evidence / comment |
|--------|----------------------------------------------------------------------------------------|--------------------|
| [ ]    | Remove or change default credentials before energisation.                              |                    |
| [ ]    | Use named roles where supported; separate engineering, operation and audit privileges. |                    |
| [ ]    | Control local front-port, USB, Bluetooth, Wi-Fi and maintenance access.                |                    |
| [ ]    | Document emergency access and credential recovery without a permanent bypass.          |                    |

### Network and protocol controls

| Status | Checklist item                                                                          | Evidence / comment |
|--------|-----------------------------------------------------------------------------------------|--------------------|
| [ ]    | Disable unused services and legacy protocols.                                           |                    |
| [ ]    | Verify segmentation, engineering-station routes, firewall rules and remote-access path. |                    |
| [ ]    | Check IEC 62351 capabilities against the project's interoperable profile.               |                    |

| Status                   | Checklist item                                                                  | Evidence / comment |
|--------------------------|---------------------------------------------------------------------------------|--------------------|
| <input type="checkbox"/> | Test loss, delay and restoration without compromising protection dependability. |                    |

## Logging and monitoring

| Status                   | Checklist item                                                                | Evidence / comment |
|--------------------------|-------------------------------------------------------------------------------|--------------------|
| <input type="checkbox"/> | Synchronise time and verify event timestamps.                                 |                    |
| <input type="checkbox"/> | Record authentication, configuration and firmware events.                     |                    |
| <input type="checkbox"/> | Confirm log extraction, retention, capacity and behaviour when storage fills. |                    |

## Handover evidence

| Status                   | Checklist item                                                                     | Evidence / comment |
|--------------------------|------------------------------------------------------------------------------------|--------------------|
| <input type="checkbox"/> | Deliver the authorised configuration and firmware hash.                            |                    |
| <input type="checkbox"/> | Deliver the user/role list and certificates with expiry dates.                     |                    |
| <input type="checkbox"/> | Record open vulnerabilities and the approved network diagram.                      |                    |
| <input type="checkbox"/> | Provide backup/restore evidence and name the owner for future security advisories. |                    |

|                       |                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Overall result</b> | <input type="checkbox"/> Accepted <input type="checkbox"/> Accepted with comments <input type="checkbox"/> Rejected |
| <b>Open actions</b>   |                                                                                                                     |
| <b>Final approval</b> | Name / signature: _____ Date: _____                                                                                 |

Use project-specific standards, approved drawings, settings and manufacturer instructions. This resource does not replace competent engineering judgement or contractual acceptance requirements.