



- [] Review PROFINET cable Q-values.
- [] Identify cables showing degradation.
- [] Verify monitoring systems (INspektor®, PROmesh) are active.
- [] Check topology documentation accuracy.
- [] Order replacement components if needed.
- [] Schedule maintenance team availability.

- [] Replace degraded PROFINET or Ethernet cables.
- [] Run network topology scan (PROscan® Active V2).
- [] Update network documentation.
- [] Apply firmware updates to switches and diagnostic tools.
- [] Back up device configurations.
- [] Review port load/utilization data.

- [] Power up network before production restart.
- [] Verify all devices reconnect properly.
- [] Recheck Q-values after power-up.
- [] Confirm alarms and thresholds are active.
- [] Brief operations/maintenance teams.

[illegible]

Common PROFINET Device Checks

- [] Switches: Firmware version, port load, error counters, cable diagnostics.
- [] Field Devices: IP consistency, alarms, GSD match, stable link.
- [] Monitoring Tools: Threshold settings, event logs, trend data.
- [] Cables/Connectors: Mechanical stress, EMC exposure, Q-value degradation.

Common Issues to Watch For

- High jitter or unstable cycle times.
- Ports exceeding 70% utilization.
- Intermittent device drops after restart.
- Incorrect or outdated topology documentation.
- Aging or EMC-exposed cables.

Recommended InduSol Tools

- PROmesh Switches — cable diagnostics + port load.
- PROscan® Active — topology verification.
- PROFINET-INspektor® NT — permanent monitoring.
- EMCheck® / EMC tools — interference detection.

Emergency Contact

InduSol America, LLC
980 Birmingham Rd. Ste 721
Alpharetta, GA 30004

+1 (678) 880-6910
support@indusolamerica.com
indusolamerica.com