

## Minor Events – Corrective Actions

When the island encounters a minor event:

- The fieldbus and service ports remain activated.
- Only the System avatar is activated.
- All power modules and I/O modules are in the device Fallback state.
- To exit a minor event state that is not automatically recovered, a system reset, restart, or control power cycle is required. A system reset command can be issued manually from the TeSys™ island DTM, the OMT, or the PLC.

The following scenarios cause the island to encounter a minor event:

### Minor Events and Corrective Actions

Minor Event	Diagnosis	Corrective Action
Topology mismatch	The island configuration in the active context file does not match the actual discovered topology of the island	Determine the proper configuration and align the configuration with the physical hardware  The OMT and the DTM have a compare function in the diagnostics views to compare the topology.  Perform one of the following: <ul style="list-style-type: none"> <li>• System Reset</li> <li>• System Restart</li> <li>• Control power cycle</li> </ul>
Switch off island command	Island received Switch Off Island command	N/A
Too many modules	The number of physical modules detected in the island is beyond the maximum allowed limit of 21	<ol style="list-style-type: none"> <li>1. Power down</li> <li>2. Remove modules to meet the 21 maximum requirement</li> <li>3. Power on</li> </ol>
No modules on island	There are no physical modules installed on the island	Complete the installation of the modules on the island
Control voltage 120%	The voltage was over 120% for longer than the allowed duration	Verify that the power supply voltage is within range
Firmware update unsuccessful	Firmware download to the device was unsuccessful after three consecutive tries	<ul style="list-style-type: none"> <li>• Check for the latest version of firmware available</li> <li>• Contact support</li> </ul>
Summary file integrity check	Configuration file corruption detected	<ul style="list-style-type: none"> <li>• Download a new configuration file to the island</li> <li>• Verify that the micro SD card is functioning properly</li> </ul>
Context file integrity check	Configuration file corruption detected	<ul style="list-style-type: none"> <li>• Download a new configuration file to the island</li> <li>• Verify that the micro SD card is functioning properly</li> </ul>
Avatar settings file integrity check	Configuration file corruption detected	<ul style="list-style-type: none"> <li>• Download a new configuration file to the island</li> <li>• Verify that the micro SD card is functioning properly</li> </ul>
Avatar settings file malformed	Configuration file corruption detected	<ul style="list-style-type: none"> <li>• Download a new configuration file to the island</li> <li>• Verify that the micro SD card is functioning properly</li> </ul>
No active project file	Bus Coupler is not configured with an active project file	Configure Bus Coupler using engineering tools
Range of voltage supply	Confirm the sufficient voltage supply	In order to run the TeSys island, the voltage supply must be higher than 20.7 V.