T7: Embedded Access Control

Main Functionality

- Secure Identifier is the root to NAC
- Detection and authentication of devices while connecting to the automation network
- Initial assessment of device integrity
- Final authorization or isolation in a remediation segment
- Monitor devices stay secure
- Detection of unintentional mis-configuration
- Detection of intentional but malicious modifications on devices

Main Advantages

- Cryptographically secure identification of things (no impersonation)
- Establishment of an agile trusted automation network zone supporting Plug & Work of devices being shielded from malicious actions
- Assurance that things comply to defined factory policies or security policies
- Prompt detection of integrity violations (unintentional or intentional)
- Intelligent reactions on security violations by CEP analysis possible

Demo Use

- Monitored devices stay secure
- Detection of unintentional misconfiguration
- Detection of intentional but malicious modifications on devices

<table>
<thead>
<tr>
<th>Device ID</th>
<th>Device Origin</th>
<th>Integrity State</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robot</td>
<td></td>
<td>✅</td>
<td>12.04.2013, 10:14</td>
</tr>
<tr>
<td>EMU</td>
<td></td>
<td>✅</td>
<td>12.04.2013, 10:14</td>
</tr>
<tr>
<td>Smoke Sensor</td>
<td></td>
<td>✅</td>
<td>12.04.2013, 10:14</td>
</tr>
<tr>
<td>eb20C PN10</td>
<td></td>
<td>✅</td>
<td>12.04.2013, 10:14</td>
</tr>
</tbody>
</table>