

# Technical Documentation Workflow for EN18031-1

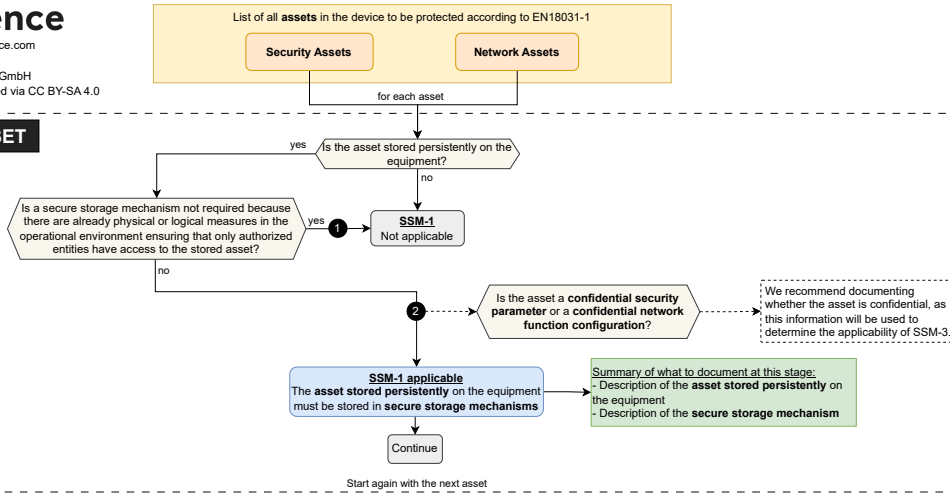
## Secure Storage Mechanism - SSM

v1 - 03/12/2024



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### For each ASSET

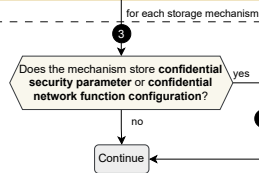


You should now have the worksheet **SSM-1.SecAsset** and **SSM-1.NetAsset** completed. Next, you will report the relevant information from these worksheets into **SSM-2.SSM** and **SSM-3.SSM** worksheets to prepare for the documentation of SSM-2 and SSM-3 as follows.

Go through the secure storage mechanisms you documented in [E.Info.SSM-1.SecurityAsset.SSM] and [E.Info.SSM-1.NetworkAsset.SSM], and assemble a list of the unique storage mechanisms. These are the **secure storage mechanism required per SSM-1**.

**Secure storage mechanisms required per SSM-1**

### Intermediary step



You should now have the worksheet **SSM-2.SSM** and **SSM-3.SSM** partly completed, containing a description of the secure storage mechanisms and their respective assets stored.

- The worksheet **SSM-2.SSM** contains the **secure storage mechanisms required per SSM-1**.
- The worksheet **SSM-3.SSM** contains a subset of the aforementioned storage mechanisms which **store confidential assets**.

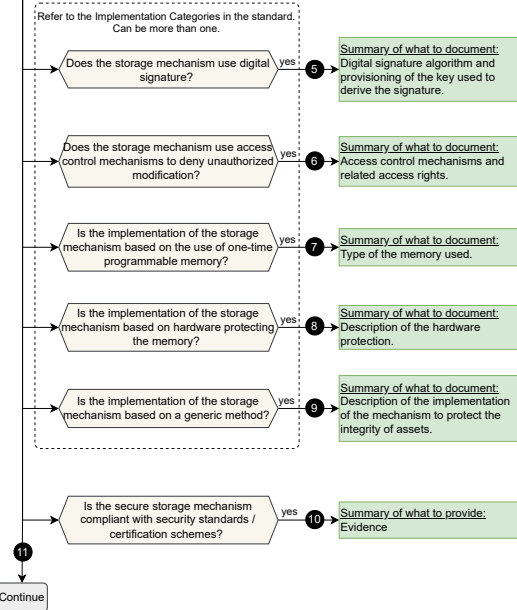
Next, you will complete these two worksheets as follows. For each storage mechanism listed in **SSM-2.SSM**, go through the workflow on the left. Then, for each storage mechanism listed in **SSM-3.SSM**, go through the workflow on the right.

**Secure storage mechanisms required per SSM-1**  
(listed in SSM-2.SSM)

**Secure storage mechanisms storing confidential assets**  
(listed in SSM-3.SSM)

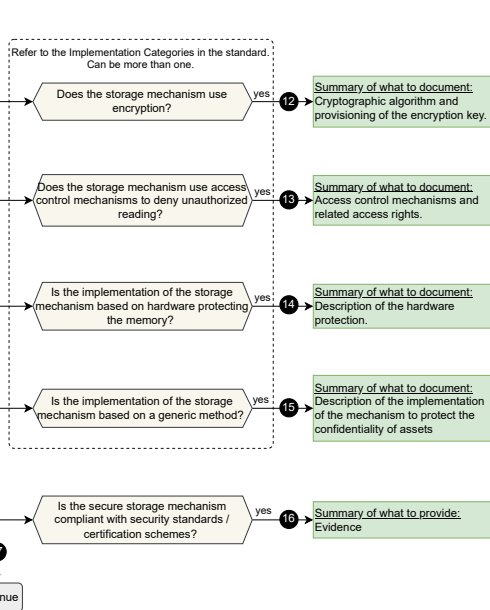
### For each SECURE STORAGE MECHANISM in scope of SSM-2

**SSM-2 applicable**  
The secure storage mechanism must protect the **integrity** of the assets stored



### For each SECURE STORAGE MECHANISM in scope of SSM-3

**SSM-3 applicable**  
The secure storage mechanism must protect the **confidentiality** of the confidential assets stored



Each number corresponds to a step in the workflow (depicted on the left) that requires documentation. Going through this workflow will enable you to assemble the Required Information for the mechanism SSM, necessary to complete your Technical Documentation and demonstrate conformance to the standard EN18031-1.

We recommend using our template (see Zealience GitHub repo). For each number, refer to the indicated worksheet in the template and fill in the cells in the designated columns. For example, in Number 1 below, if you are going through the workflow with a security asset, open the worksheet **"SSM-1.SecAsset"** and fill in the cell under **Description of security assets persistently stored on the device** and **[E.Info.SSM-1.SecurityAsset.Environment]**.

**1** If security asset:  
**Worksheet: SSM-1.SecAsset:**  
- Description: Provide a description of the asset  
- [E.Info.SSM-1.SecurityAsset.Environment]  
- DT.SSM-1.DN-1: Yes  
- [E.Just.DT.SSM-1]  
- Verdict: NA

If network asset:  
**Worksheet: SSM-1.NetAsset:**  
- Description: Provide a description of the asset  
- [E.Info.SSM-1.NetworkAsset.Environment]  
- DT.SSM-1.DN-1: Yes  
- [E.Just.DT.SSM-1]  
- Verdict: NA

**2** If security asset:  
**Worksheet: SSM-1.SecAsset:**  
- Description: Provide a description of the asset  
- [E.Info.SSM-1.SecurityAsset.SSM]  
- DT.SSM-1.DN-1: No  
- DT.SSM-1.DN-2 & Verdict  
- [E.Just.DT.SSM-1]

If network asset:  
**Worksheet: SSM-1.NetAsset:**  
- Description: Provide a description of the asset  
- [E.Info.SSM-1.NetworkAsset.SSM]  
- DT.SSM-1.DN-1: No  
- DT.SSM-1.DN-2 & Verdict  
- [E.Just.DT.SSM-1]

**3** **Worksheet: SSM-2.SSM:**  
- Description: Provide a description of the secure storage mechanism  
- [E.Info.SSM-2.SSM.Asset]: List all the assets stored on this storage mechanism you documented in [E.Info.SSM-1.SecurityAsset] and [E.Info.SSM-1.NetworkAsset]

**4** If the storage mechanism stores confidential assets:  
**Worksheet: SSM-3.SSM:**  
- Description: Provide a description of the secure storage mechanism  
- [E.Info.SSM-3.SSM.Asset]: List all the confidential assets stored on this storage mechanism you documented in [E.Info.SSM-1.SecurityAsset] and [E.Info.SSM-1.NetworkAsset]

**5** **Worksheet: SSM-2.SSM:**  
- [E.Info.SSM-2.SSM.DigitalSignature]

**6** **Worksheet: SSM-2.SSM:**  
- [E.Info.SSM-2.SSM.AccessControl]

**7** **Worksheet: SSM-2.SSM:**  
- [E.Info.SSM-2.SSM.OTPProgrammable]

**8** **Worksheet: SSM-2.SSM:**  
- [E.Info.SSM-2.SSM.HardwareProtection]

**9** **Worksheet: SSM-2.SSM:**  
- [E.Info.SSM-2.SSM.Generic]

**10** **Worksheet: SSM-2.SSM:**  
- [E.Info.SSM-2.SSM.ComplianceEvidence]

**11** **Worksheet: SSM-2.SSM:**  
- DT.SSM-2.DN-1  
- [E.Just.DT.SSM-2]  
- Verdict

**12** **Worksheet: SSM-3.SSM:**  
- [E.Info.SSM-3.SSM.Encryption]

**13** **Worksheet: SSM-3.SSM:**  
- [E.Info.SSM-3.SSM.AccessControl]

**14** **Worksheet: SSM-3.SSM:**  
- [E.Info.SSM-3.SSM.HardwareProtection]

**15** **Worksheet: SSM-3.SSM:**  
- [E.Info.SSM-3.SSM.Generic]

**16** **Worksheet: SSM-3.SSM:**  
- [E.Info.SSM-3.SSM.ComplianceEvidence]

**17** **Worksheet: SSM-3.SSM:**  
- DT.SSM-3.DN-1  
- [E.Just.DT.SSM-3]  
- Verdict