### Validation Rule List

**Approved Algos Table**
- All Approved Algos Used in SFI Table

**Approved Service Table**
- Approved Service Table not Empty
- Approved Services Access Type Field Enum Test
- Name entries of Approved Services are unique
- Roles in Approved Service List are in Roles List
- SFIs in Approved Service List are in SFI List or None
- SSPs in Approved Service List are in SSP List

**Auth Methods Table**
- If Overall > 1, All Auth Methods Used in Role Table
- If Overall > 1, Auth Method Table not Empty
- Name entries of Authentication Methods are unique

**CavpImplAlgo Table**
- CanonicalAlgorithmId number correctly matches up with AlgoDisplayName in ImplAlgo Table

**CavpOeAlgo Table**
- AlgoDisplayName entries of cavpOeAlgoList are valid
- CanonicalAlgorithmId number correctly matches up with AlgoDisplayName in OeAlgo Table

**Cond Self-Test Table**
- Cond Test Type Enum Test
- Conditional Self-Test Table not Empty

**EFP/EFT Table**
- Efp/Eft Field Enum Test
- If Hardware and > Level 3, EFP/EFT Table not Empty

**Entropy Source Table**
- Entropy Source Type Field Enum Test
- Name entries of Entropy Sources are unique

**Error State Table**
- Error State Table not Empty
- State Name entries of Error States are unique

**Hardness Temp Table**
- Hardness Temp Enum Test
- If Hardware and > Level 3, Hardness Temp Table not Empty

**Mode of Ops Table**
- Mode Of Op List Type Field Enum Test
<table>
<thead>
<tr>
<th>Table Name</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modes of Operation Table</td>
<td>Not Empty</td>
</tr>
<tr>
<td>Name entries of Modes of Operation are unique</td>
<td></td>
</tr>
<tr>
<td>Non-Approved Mode Consistency Check</td>
<td></td>
</tr>
<tr>
<td>Module Count</td>
<td>Module Count Equals Number of Rows</td>
</tr>
<tr>
<td>Module Info</td>
<td></td>
</tr>
<tr>
<td>Embodiment Enum Test</td>
<td></td>
</tr>
<tr>
<td>Module Type Enum Test</td>
<td></td>
</tr>
<tr>
<td>Operational Environment Type Enum Test</td>
<td></td>
</tr>
<tr>
<td>Non-Approved Algos Table</td>
<td>All Non Approved Algos Used in Non-Approved Services Table</td>
</tr>
<tr>
<td>Non-Approved Service Table</td>
<td>If Non-Approved Mode, Algos from Non Approved Services List are in Non Approved Algo List</td>
</tr>
<tr>
<td>Name entries of Non-Approved Services are unique</td>
<td></td>
</tr>
<tr>
<td>OpEnvSwFwHyTested Table</td>
<td></td>
</tr>
<tr>
<td>Paa/Pai Field Enum Test</td>
<td></td>
</tr>
<tr>
<td>PhySec Mechanisms Table</td>
<td>If Hardware, Physical Security Table not Empty</td>
</tr>
<tr>
<td>Port/Interface Table</td>
<td>All Required Logical Interfaces Used in Ports/Interface Table</td>
</tr>
<tr>
<td>Interface Field Enum Test</td>
<td></td>
</tr>
<tr>
<td>Port Interface Table not Empty</td>
<td></td>
</tr>
<tr>
<td>PreOp Self-Test Table</td>
<td>PreOp Self-Test Table not Empty</td>
</tr>
<tr>
<td>PreOp Test Type Enum Test</td>
<td>PreOp Test Type Enum Test</td>
</tr>
<tr>
<td>Roles Table</td>
<td>Auth Methods in Roles List are in Auth Methods List or None</td>
</tr>
<tr>
<td>Name entries of Roles are unique</td>
<td></td>
</tr>
<tr>
<td>Role Table not Empty</td>
<td></td>
</tr>
<tr>
<td>Role Type Field Enum Test</td>
<td></td>
</tr>
<tr>
<td>Security Levels Table</td>
<td>All security levels present in Table</td>
</tr>
<tr>
<td>Overall security level = min of all the levels</td>
<td></td>
</tr>
<tr>
<td>Section entries of Security Levels are unique</td>
<td></td>
</tr>
<tr>
<td>Security Level for Sections 1-2-3-4-9-10-11 can't be N/A (0)</td>
<td></td>
</tr>
<tr>
<td>SFI Table</td>
<td>All SFIs Used in Approved Services Table</td>
</tr>
</tbody>
</table>
### Name entries of Security Function Implementations are unique

### SFI Table not Empty

#### SSP Input/Output Table

- All SSPs Input-Output Methods Used in SSPs Table
- Name entries of SSP I/O Methods are unique
- Related SFIs/Algos in SSP Input-Output Methods List are in Algos or SFIs

- SSP I/O Distribution Type Enum Test
- SSP I/O Entry Type Enum Test
- SSP I/O Format Type Enum Test

#### SSP Table

- All SSPs Used in Approved Services Table
- Established By in SSPs are in Algos or SFI List
- GeneratedBy in SSPs are in Algos or SFI List
- Inputs/Outputs in SSP List are in SSP Input-Output Methods List
- Name entries of SSPs are unique
- SSP Category Type Enum Test
- SSP Storage Format Enum Test

- SSP Table not Empty
- Storage Area Name in SSP List are in Storage Areas List
- Used By in SSPs are in Algos or SFI List
- Zeroization Method Name in SSP List are in Zeroization Method List

#### SSP Zeroization Table

- Method entries of SSP Zeroization Methods are unique

- SSP Zeroization Table not Empty

#### Storage Areas Table

- Name entries of Storage Areas are unique
- Storage Area Persistence Type Enum Test

#### Supplemental Settings Table

- Name entries of Supplemental Settings are unique

#### Tested Hardware Table

- If Hardware, Tested Hardware Table not Empty
- Model/Partnum entries of Tested Hardware are unique

#### Tested Hybrid Hw Table

- If Hybrid, Disjoint Hybrid Table not Empty

#### Tested OE Table

- If Sw/Fw/Hy, OE Table not Empty

#### Tested Sw/Fw/Hy Table
If Sw/Fw/Hy, Tested Sw/Fw/Hy Table not Empty

Package/filename entries of Tested Software are unique