# 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

Modes of Operation Table not Empty

Name entries of Modes of Operation are unique

Non-Approved Mode Consistency Check

## Module Count

Module Count Equals Number of Rows

## Module Info

Embodiment Enum Test

Module Type Enum Test

Operational Environment Type Enum Test

## Non-Approved Algos Table

All Non Approved Algos Used in Non-Approved Services Table

## Non-Approved Service Table

If Non-Approved Mode, Algos from Non Approved Services List are in Non Approved Algo List

Name entries of Non-Approved Services are unique

## OpEnvSwFwHyTested Table

Paa/Pai Field Enum Test

## PhySec Mechanisms Table

If Hardware, Physical Security Table not Empty

## Port/Interface Table

All Required Logical Interfaces Used in Ports/Interface Table

Interface Field Enum Test

Port Interface Table not Empty

## PreOp Self-Test Table

PreOp Self-Test Table not Empty

PreOp Test Type Enum Test

## Roles Table

Auth Methods in Roles List are in Auth Methods List or None

Name entries of Roles are unique

Role Table not Empty

Role Type Field Enum Test

## Security Levels Table

All security levels present in Table

Overall security level = min of all the levels

Section entries of Security Levels are unique

Security Level for Sections 1-2-3-4-9-10-11 can't be N/A (0)

## SFI Table

All SFIs Used in Approved Services 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