# ``14 Class FPT: Protection of the TSF

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## 14.4 TSF initialization (FPT\_INI)

### 14.4.1 Family behaviour

This family describes the functional requirements for the initialization of the TSF by a dedicated function of the TOE that ensures the initialization in a correct and secure operational state.

### 14.4.2 Components leveling and description

Figure 65 shows the component leveling for this family.

Figure 65 — FPT\_INI: Component leveling

This family consists of only one component, Component FPT\_INI.1. This component requires the TOE to provide a TSF initialization function that brings the TSF into a secure operational state at power-on.

### 14.4.3 Management of FPT\_INI.1

The following actions could be considered for the management functions in FMT:

1. There are no management activities foreseen.

### 14.4.4 Audit of FPT\_INI.1

The following actions should be auditable if FAU\_GEN Security audit data generation is included in the PP/ST:

1. There are no auditable events foreseen.

### 14.4.5 FPT\_INI.1 TSF initialization

#### 14.4.5.1 Component relationships

Hierarchical to: No other components.

Dependencies: No dependencies.

#### 14.4.5.2 FPT\_INI.1.1

**The TOE shall provide an initialization function which is self-protected with regard to the following properties [selection: *integrity, authenticity, unicity*, [assignment: *list of properties or none*]].**

#### 14.4.5.3 FPT\_INI.1.2

**The TOE initialization function shall verify the [selection: *authenticity, integrity*] of [assignment: *list of TSF firmware, software, or data*] prior to establishing the TSF in a secure initial state.**

#### 14.4.5.4 FPT\_INI.1.3

**The TOE initialization function shall detect and respond to errors and failures during initialization such that the TOE either successfully completes initialization or is halted.**

#### 14.4.5.5 FPT\_INI.1.4

**The TOE initialization function shall not be able to arbitrarily interact with the TSF after TOE initialization completes.**

Annex F  
(normative)  
  
Class FDP: User data protection- application notes

F.1 General information

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F.8 TSF Initialization (FDP\_INI)

F.8.1 User notes

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F.8.2 FDP\_INI.1 Simple security attributes

F.8.2.1 User application notes

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F.8.2.2 Operations

F.8.2.2.1 Assignment

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