


# System Interface Description SMI-CE

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Abstract	This document applies the SFC and Standard Maintenance interface (SMI) specifications to the Computing Environment to ensure the Computing Platform is configurable through SMI. It specifies deployment rules, basic identification data, and software-related configuration elements supporting installation, configuration management, and recovery processes. The objective is to ensure a standardized and interoperable deployment process across Computing Environment implementations.
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## 1 Overview

## 2 Process

## 3 Data

### 3.1 FSDR

**SPT2CE-3614** - FS Deployment Rules shall contain as a minimum the following information:

Configuration Item	Description
Firmware	To configure secure-boot and enrolled-keys
CPU Cores	Number of CPU Cores
CPU Model	Minimum CPU Model to guarantee required performance baseline
Memory	Amount of Memory Required
Hard Disk	Desired Size
Hard Disks	Desired Read/Write IOPS/Guarantees

Configuration Item	Description
Networking	Required Network Interfaces and their assignment to virtual networks/switches, Potentially Multicast Tunnels,...
Networking	Perfromance (Bandwidth, message delivery time) , Priority (best effort) and QoS (real-time)
Networking	Communication Protcols (TCP/IP, UDP)
TPM	Encryption
Watchdog	
Real-time Clock	Secure time, Safety functions

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### 3.2 BDI (Basic Data Identifier)

**SPT2CE-3616** - The Basic Data Identifier is a part of the configuration data and shall include as a minimum (unique instantiation for each FS Comp):

BDI Data	Description
BBid	ID for FS comp (bbID_Comp), unique technical identifier
FS Comp network address	FS Comp own network addresses - Maintenance and Data Management
SS network address SFC	Network addresses of the Shared Services Subsystem - Maintenance and Data Management
SS network address SFD	Network addresses of the Shared Services Subsystem - Diagnostic
SS Security network address	Network addresses of the Shared Services functions for security
Certificates	Common Names of all required Operator Certificates

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**SPT2CE-3615** - Basic Data Identifier requirements are defined in Eu.Doc.16.

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### **3.3 InSw (Initial Software)**

### **3.4 Dependency Tree**

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