



Open industrial PKI (OiPKI)

Common Definition

Document History

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This document will be reviewed every year or in the event of an important ad-hoc change request. Each new version will be approved by the OiPKI Board.

Document Status

This document has been classified as “Unrestricted”.

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1 Scope and Applicability

This document defines the common definition within the Open Industrial PKI and will provide an overview about the documentation framework.

2 Introduction

The Open Industrial PKI Policy Framework describes the circumstances and specifications under which the infrastructure is operated. To provide a better understanding this document provides common definition within the OiPKI and an overview of the documentation framework.

3 Definition

3.1 Abbreviations

The following abbreviations and names are used in the following:

Abbreviations	Description
OiPKI-xxxxx-vv	This Abbrev. is been used to show the overall context followed by a dashline with the detail name xxxxx, followed by the version number vv.
OiPKI-root-CA-vv	Root CA Name with the actual Version number xx
OiPKI-int-CA-vv	Intermediate CA with version number
OiPKI-sub-CA-xxx-vv	Issuing CA with a specific name xxxx and version number vv

3.2 OID Definition

Because the OiPKI is operated under his own Certificate Policy the OID is defined as followed:

1.3.6.1.4.1.60345.x.y.z

With the following definition:

Number	Description
1.3.6.1.4.1	IANA Standard prefix
60345	Open industrial PKI PEN (IANA private enterprise number)
X	Service area: 1: Open industrial PKI main Service 2: Open industrial PKI playground
y	Application Area 1: central Infrastructure 2: infrastructure DeviceID 3: infrastructure OPC-UA
z	Type of Application 1: rootCertificate

	2: intermediate Certificates 3: issuingCertificate 4: DeviceIDCertificate 5: OPC-UACertificate
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3.3 Interface configuration

The following Interface configuration are operated within the OiPKI Service.

3.3.1 CMP Interface

Per default all CMP Interfaces are disable. The following table shows the configuration of the Interfaces.

Protocol	Resource Default URL	status	Role	Member(s)

3.3.2 REST Interface

Per default all REST Interfaces are disable. The following table shows the configuration of the Interfaces.

Protocol	Resource Default URL	status	Role	Member(s)

4 Overview Document Framework

The following graphics provides an overview of the actual Document framework and its dependencies:

