

Charges for Product Registration and Certification

Related to
How to get a certificate for a PROFIBUS device
How to get a certificate for a PROFINET device

Guideline for PROFIBUS and PROFINET

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In this specification the following key words (in bold text) will be used:

may: indicates flexibility of choice with no implied preference.

should: indicates flexibility of choice with a strongly preferred implementation.

shall: indicates a mandatory requirement. Designers shall implement such mandatory requirements to ensure interoperability and to claim conformance with this specification.

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Revision Log

Identification	Version	Originator	Date	Change Note / History / Reason
---	0.2	Wenzel	06.09.2016	Initial Version
---	0.5	Wenzel	15.12.2016	Comments of A. van Eckendonk and X. Schmidt
---	0.9	Wenzel	03.01.2017	Comments of K. Götz, A. van Eckendonk, and A. Uhl
---	0.99	Wenzel	04.01.2017	Revised version for final review
---	1.0	Wenzel/Board of Directors	26.01.2017	Released Version
---	1.01	AvE	16.08.2021	New phone number published
	d1.1, d1.2	Wenzel	20./24.03.2023	Updates of referenced documents Additional section: charges for GSD Signing Services
	1.2	Wenzel	24.03.2023	Released Version
	1.3	Biwer	09.01.2024	Update of 3.5 - Charges for GSD Signing Services

1 Management Summary - Scope of this Document

This guideline documents the charges that are to be paid by the companies that apply for a Vendor ID as well as product related IDs or certificates.

2 Related documents and references

2.1 Related documents

Documents

- "Framework for Testing and Certification of PROFIBUS and PROFINET Products"
- "How to get a certificate for a PROFIBUS device"
- "How to get a certificate for a PROFINET device"
- "PROFINET Field Devices, Recommendations for Design and Implementation"

in their current versions.

2.2 References

None

3 Type of Charges

1. Vendor Registration: Vendor ID
2. Product Registration: Device ID (ID Number / Ident Number), only relevant to PROFIBUS with the exception of pure PA Profile Devices
3. MAC address range reservation: 4k MAC address range, only relevant to PROFINET (optional)
4. Product Certification, which is recommended for PROFIBUS, PROFIBUS PA Profile as well as, PROFIdrive and which is mandatory for PROFINET, PROFInergy and PROFIsafe
5. GSD Signing: In Class 1 of the PROFINET Security, a concept for signing GSD files for PROFINET was specified. The service is offered by the PI certification body.

3.1 Charges for Vendor ID

A Vendor ID is needed for any PROFIBUS and PROFINET device.

A Vendor ID is free of charge to members and non-members.

3.2 Charges for PROFIBUS Device ID (Ident Number)

As specified in the PROFIBUS guidelines, an Ident Number (ID number) is required for all PROFIBUS devices using PROFIBUS DP communication (except pure Master Class 2 devices). The ID number allows devices connected to the bus to be identified with a minimum amount of protocol overhead. In addition, the ID number is used to archive files which contain information on device features and configuration (so-called GSD files).

Table 1: Product registration charges

Technology	Device ID (Ident Number)	
	Member	Non-Member
PROFIBUS	80 €	310 €
PROFINET	n.a.	n.a.

Remark: The Device Identification for PROFINET consists of the Vendor ID and a manufacturer-specific key (Device ID). The Vendor ID is assigned uniquely to a company. The Device ID is defined by the manufacturer specifically for the device.

3.3 Charges for PROFINET 4k MAC address range

Each PROFINET device is addressed using its globally unique MAC address. This MAC address consists of a company code (bits 24 ... 47) as an OUI (Organizationally Unique Identifier) and a consecutive number (bits 0 ... 23), which allows to identify up to 16,777,214 products. The OUI is assigned by the IEEE Standards Department to any company. PI has been granted the OUI 00-0E-CF. PI provides all device manufacturers, which do not want to apply for their own OUI, 4k-ranges of PI's OUI. This service allows companies to acquire MAC addresses directly from the PI Support Center.

Table 2: MAC address reservation charges

Technology	4k MAC address range	
	Member	Non-Member
PROFIBUS	n.a.	n.a.
PROFINET	80 €	310 €

3.4 Charges for Product Certificates

Prerequisite for granting a certificate from the PI Certification Office is a positive Test Report issued from one of the accredited PI Test Labs.

Table 3: Product certification charges

Technology	Certificate					
	Member			Non-Member		
	Initial certification	Prolongation with re-test	Prolongation without test	Initial certification	Prolongation with re-test	Prolongation without test
PROFIBUS	0 €	0 €	0 €*)	6.000 €	3.000 €	0 €*)
PROFINET V2.2 (and older)	not relevant	not relevant	0 €*)	not relevant	not relevant	0 €*)
PROFINET V2.3, V2.4, or higher	1.800 € (for a bundle of up to 3 certificates based on one test report and one application procedure)	900 € (for a bundle of up to 3 certificates based on one test report and one application procedure)	0 €*)	6.000 €	3.000 €	0 €*)
Profiles: PROFIsafe, PROFIdrive, Encoder, PROFIenergy, PA Profile	0 €	0 €	0 €*)	6.000 €	3.000 €	0 €*)

Remark: The profile certificates require a PROFIBUS and/or PROFINET certificate. Details can be found in the documents "How to get a Certificate for a PROFIBUS device" or "How to get a Certificate for a PROFINET device"

The Certificates for unchanged products are valid for a period of 3 years. The certificate holders have to reapply for certification within 3 months after the validity expired. *) For certificate prolongations without test that are requested later than 3 months after expiry date, a Recovery Issue Fee of 300 € is due.

Remark: The certification charges/fees do not cover the costs for the test services of the accredited PI Test Labs.

3.5 Charges for GSD Signing Services

Class 1 security includes the signing of GSD files for PROFINET. The prerequisite for implementation is the extension of the GSDML specification to include an XML notation for describing the properties of a device. A signed GSD file ensures both its authenticity and its integrity.

A process has been defined for implementing the signing of GSD files of PROFINET products, for which the PI Certification Office is responsible. This enables all manufacturers of PROFINET devices to deliver the associated GSD file in signed form as a GSDX file.

The signing service is available in two variants:

1. **Manufacturer-specific certificate:**
The PI Certification Office creates a manufacturer-specific certificate with a validity of 3 years which is delivered to the vendor. Based on this certificate, the vendor can sign GSD-Files himself using the tool provided.
2. **GSD signing service:**
the PI Certification Office creates a manufacturer-specific certificate with a validity of three years, which remains in the PI Certification Office and is kept there securely. Via the GSD Signing Portal the manufacturer can place signing orders for individual GSD-Files.

Table 4: GSD signing charges

Use Case	Member		Non-Member	
	Initial Certificate	Prolongation	Initial Certificate	Prolongation
Manufacturer Specific Certificate (incl. Smart card & tooling license) Validity 3 years	900€ basic fee	800€ basic fee	3.600€ basic fee	3.200€ basic fee

Use Case	Member		Non-Member	
	Initial Certificate	Prolongation	Initial Certificate	Prolongation
GSD Signing Service Validity 3 years	900€ basic fee	800€ basic fee	3.600€ basic fee	3.200€ basic fee
	190€ per signing process	190€ per signing process	760€ per signing process	760€ per signing process

The Certificates are valid for a period of 3 years. After expiration of the validity, the certificates must be renewed. This must be done by the manufacturer by placing a new order in the GSD Signing Portal.

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