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Specification document for the PID CPR service

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Version history

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1. Purpose and target group

This document is a part of the NemID Service Provider Package.

The document will provide you with the best opportunities of testing the PID-CPR service. The document describes how the service provider can implement an application that performs lookups in Nets DanID's test systems.

The document is aimed at the people at the service provider who are responsible for the implementation of NemID.

2. Introduction to the PID CPR service

All OCES personal certificates issued by Nets DanID contain a Personal ID (PID). A PID number is a kind of customer number that refers to a specific user and his CPR number. The number is inserted so that the user's CPR number is not written directly in the certificate.

This means that when contacting Nets DanID, your application can get a CPR number on the basis of a PID. The application that is requesting a PID must be "set up" in advance at Nets DanID, and your organisation must have concluded an agreement for using the service.

NB: only public organisations are allowed to conclude agreements to obtain CPR numbers (called "look up"). If you are developing an application for a private company, your application can ask Nets DanID whether a given PID belongs with a given CPR number (called "match"). In this instance, the application contacts the PID CPR service with both a PID and a CPR number and asks whether they match. For this kind of matching lookup your organisation must also have concluded an agreement with Nets DanID on the use of the PID CPR service, and the application must be registered with Nets DanID.

It is the Danish National IT and Telecom Agency who owns th PID CPR service, but it is Nets DanID who administers the service for the Danish National IT and Telecom Agency.

As a service provider you can get access to the PID CPR service in the *test environment* without having concluded an agreement for using the service. To get access to the service in *production*, it is however necessary to conclude an agreement with the Danish National IT and Telecom Agency.

3. Preconditions for being able to test

In order to be able to make test calls to the PID CPR service, you must have a test company certificate (test-VOCES) from Nets DanID.

As a service provider you can get access to the test system without having concluded an agreement for using the service.

4. Interfaces for the PID CPR service

There are three interfaces for PID CPR service:

- a SOAP-based web service that is directly compatible with OCES I's PID CPR service.
- a SOAP-based web service that complies with the OIOXML standard.
- a service that uses XML over http(s) POST. This service is compatible with the corresponding OCES I service.

All three interfaces generate the same data and support both lookup and verification.

If your application platform supports SOAP web service clients (e.g. if you code in Java or .NET), it will normally be easiest to use one of the SOAP-based services.

If you have an existing integration with OCES I PID CPR service, you can use the same client code if you call the OCES I-compatible SOAP service. If you are developing a client from scratch, issues such as support from programming tools will probably be better if you call the OIOXML interface.

4.1 Technical specifications

The OOAPI includes complete .NET- and Java clients, which only have to be configured with your organisation's certificate and the unique Service Provider ID (called a "SPID") that your organisation is assigned when it concludes an agreement on the use of the service with Nets DanID. For use in the test system you will alsp be assigned a SPID, which is to be used when contacting the service.

These clients can be used in the production code, so when you have tested that they work correctly with Nets DanID's test systems you can change the configuration so that your application is compatible with the production.