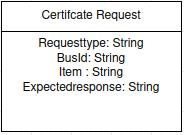
Service Description (SD) Certificate Provider

Text Box 7

## Service Description Overview

The certificate provider system is used to respond to a CoPx certificate request and trigger an event. This allows the systems and devices to have their authorization information updated via code rather than manually by the provider or consumer.

The certificate request and response look as follows:



## Abstract Interfaces

## Demo-car-provider-with-publishing

## Function

This service ONLY receives requests and sends responses, it does not update the auth information itself, rather it uses event handler to trigger events to be used by the Certificate Authority.

This serves the purpose of automating the creation and writing on certificates to databases by a simple CoPx request.

## Sequence Diagrams

## Abstract Information Model

**Table 1 Data type description**

|  |  |
| --- | --- |
| **Field** | **Description** |
| Requesttype | What type of request is being made |
| BusId | Who request the certificate and who is going to use such device |
| ItemId | Carries the information of the device that will be registered |
| Expectedresponse | What response is expected in most cases will be null |

BusId and ItemId are carried to the database and serve as Id for every item in the CA.

## 2 References

Any references must be placed here

## Revision history

## Amendments

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Date | Version | Subject of Amendments | Author |
| 1 | 2020-05-27 | 4.1 | Major update | Jerker Delsing |
| 2 | 2020-08-17 | 4.2 | Major update | Jerker Delsing |
| 3 | 2020-0914 | 4.2.1 | Minor cleaning | jens Eliasson |
| 4 |  |  |  |  |

## Quality Assurance

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Date | Version | Approved by |
| 1 | 2020-09-15 | 4.2.1 | Jerker Delsing |
| 2 |  |  |  |