System Description (SysD)

**Abstract**

This document provides the main template for the System Description of Arrowhead compliant Systems. It should be used to define the main services and interfaces of a system, without describing its internal implementation.

All Arrowhead systems should be specified using this template and stored on a common repository (available on the SVN server), in order to document and formalize the pilot demonstrators and the common Arrowhead framework.

1. System Description Overview

En bild som visar text, skärmbild, diagram, Teckensnitt

Automatiskt genererad beskrivning

1. Application services

This section contains the Produced and Consumed services, which are described on a technology dependent Interface Design Description (IDD) document.

# Produced Services

Table 2 Pointers to IDD documents

|  |  |
| --- | --- |
| Service | IDD |
| electricity-generation | electricity-generation.docx |
| electricity-generation-start | electricity-generation-start.docx |
| electricity-generation-stop | electricity-generation-stop.docx |
| post-electricity-grid | post-electricity-grid.docx |
| put-electricity-house | put-electricity-house.docx |

# Consumed Services

Table 3 Pointers to IDD documents

|  |  |
| --- | --- |
| Service | IDD Document Reference |
| electricity-generation | electricity-generation.docx |
| electricity-generation-start | electricity-generation-start.docx |
| electricity-generation-stop | electricity-generation-stop.docx |
| post-electricity-grid | post-electricity-grid.docx |
| put-electricity-house | put-electricity-house.docx |

The services electricity-generation, electricity-generation-start and electricity-generation-stop are consumed by the application system energy house to control production and receive electricity.

The service post-electricity-grid is consumed by the application system energy house to sell and buy electricity.

The service put-electricity-house is consumed by the application system energy consumer to update the house with current electricity consumption.