Semantic Profile (SP) Template

19 mars 2016

Innehåll

Document title		Document type
SysDD Temaplate - White box design		Template
Date		Version
19 mars 2016		1.2
Author		Status
Fredrik Blomstedt		Proposed
Contact		Page
fredrik.blomstedt@bnearit.se		2(3)

1   Overview

In this section a complete description of technologies and specifications that build the Semantic Profile must be provided. A Semantic Profile Identifier must be the outcome of the present document. The semantic profile document should contain information about how a specific measurement (e.g., a temperature value or a pressure value) is coded. The measurement can be coded in e.g., on XML or in SenML. So the Semantic profile identifier should be in case of a temperature is going to be Temperature-XML or Temperature -SenML.

An example of how this document can be elaborated can be found in SVN repository . . . \Meetings\Multi WP Workshops\2013-11-05 Porto\Documenting\Examples\IDD\ SP\Arrowhead SP Temperature-XML.

2   Data Format

Describe the data format used by the Semantic Profile, with a meaning associated to each field of each message type. and, iIf possible, provide an example of a message, e.g. an XML description of the servicea message.

A link to a formal document describing the format encoding must be provided. For example, this section can report the location on the repository of an XML Schema. For example, it can include:

Table 1 List of XML Schemas

Schema	Location
Flex-offer	..\Common Design Repository\01. Working Proposal\04. Design\05. WP5 Application Systems\02. System-Components\Messages Schemas\flex-offer.xsd

3   Standards and Demarcations

Present a list of specifications used by the Semantic Profile, in the following format (Table 1).

Table 2 List of specifications

Specification	Type	Version

Specification: The name of the specification e.g, eXtensible Markup Language (XML).

Type: The type of the specification e.g., W3C Specification.

Version: The version of the specification e.g., 1.0.

All possible demarcations should be presented here. Any issues regarding incompatibilities must be placed here. The use of a table is proposed (Table 2).

Table 3 Demarcation List

Specification	Type	Version

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Specification: The Name of the specification e.g, eXtensible Markup Language (XML).

  Type: The type of the specification e.g., W3C Specification.

  Version: The version of the specification e.g., 1.0.

4 References

Any references must be placed here.

5 Revision history

5.1 Amendments

No.	Date	Version	Subject of Amendments	Author
1	2013-12-19	0.3	Text Revisions	Christos Chrysoulas
2	2014-01-10	0.4	Quickparts and dotx	Ove Jansson
3	2015-02-20	1.0	Revision of text	Michele Albano / Luis Ferreira
4	2015-09-3018	1.1	Refinement of the textof the structure	Michele Albano / Luis Ferreira
5	2016-03-19	1.2	Transfer to Latex	Jerker Delsing

5.2 Quality Assurance

No.	Date	Version	Approved by
1			
2			