HumidityWSN-Text-CUSTOM-HTTP-NONE

**Abstract**

This document defines the Interface Design Description of a Humidity service.

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1. Interface Design Description Overview

This document must describe how to realize the service, pointing out the technologies and the Communication Profile to be used.

Table 1 Pointers to SD documents

|  |  |
| --- | --- |
| **Service description** | **Path** |
| HumidityWSN | - |

This section MUST contain pointers to CP documents.

Table 2 Pointers to CP documents

|  |  |
| --- | --- |
| **Communication Profile** | **Path** |
| HTTP-NONE | - |

This section MUST contain pointers to SP documents.

Table 3 Pointers to SP documnets

|  |  |
| --- | --- |
| **Semantic Profile** | **Path** |
| - | - |

1. Interfaces

Table 4 Function description

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Function | Method Path | Method | Input | Output |
| getHumidity | /{nodeID}/humidity | GET | -- | 200 OK, response |

In the method path, there is a nodeID path parameter. This parameter can be used to select the sensor source from the Wireless Sensor Network. Consumers of this service must have a-priori knowledge on what node ID-s are available and which will provide them with the requested information.

1. Information Model

# Response

The response is a simple string.

Example response: 200 OK, "40%"

1. Security

This Service is configured to work without any security (plain HTTP).

1. Revision history

# Amendments

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Date | Version | Subject of Amendments | Author |
| 1 | 22-11-2018 | 1.0 | Draft | Crisitna Paniagua |
| 2 | 25-11-2018 | 1.1 | Minor changes | Csaba Hegedűs |

# Quality Assurance

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Date | Version | Approved by |
| 1 |  |  |  |
| 2 |  |  |  |