

# Service Description (SD) Arrowhead Z-wave System Demonstrator – Wall Plug-State- service

## Abstract

This document provides the Service Description of Arrowhead compliant Interfaces of Zwave Wall Plug Services that includes **GetState, SetState**.

## 1. Service Description Overview

This service provides the interfaces to get plug state, set the plug state of the wall plug with requested deviceID.

The encrypted JSON object contains the following fields:

Example: SetState

Request:

```
{  
  "deviceID": "24",  
  "State": "0",  
}
```

Response:

The Plug is switched OFF with resource successfully updated with response of 200=OK

## 2. Abstract Interfaces

This Service provides the following five functionalities.

### 2.1. GetState:

This is used to Get the Plug state "0" for OFF and "255" for ON for the given deviceID using GET API.

### 2.2. SetState:

Set the Plug state "0" for OFF and "255" for ON for the given deviceID using PUT API.

## 3. Data Model

Object Field	Value Type	Description
" deviceID"	String	Unique ID of the device from 2 to N assigned by the zwave Hat
" state"	String	Plug state "0" for OFF and "255" for ON

## 4. Non-functional Requirements

The service has none non-functional requirements.

## 5. Revision history

### 5.1. Amendments

No.	Date	Version	Subject of Amendments	Author
1	2021-01-6	0.1	First draft	Salman Javed
2	2021-03-18	0.2	Second draft	Salman Javed

### 5.2. Quality Assurance

No.	Date	Version	Approved by
1			