ReceiveEvent Service SD

1. ReceiveEvent Overview

This document describes an Arrowhead service, including its interfaces, functions and information model. The proof of concept Subscriber Application System can subscribe to event types at the Event Handler, and offer an interface to receive new events (with the correct type) from the Event Handler.

1. Abstract Interface

# receiveEvent

The Application System receives Event objects on this interface, and sends back an acknowledgement (HTTP OK) without response payload.

1. Abstract Information Model

The Event object contains the following information, as presented in Table 1.

Table 1 Event object description

|  |  |
| --- | --- |
| **Field** | **Description** |
| Type: String | The type of the event. |
| Payload: String | The main information of the event. |
| Timestamp: LocalDateTime | Date and time of the event. |
| EventMetadata: Map<String, String> | Optional additional information about the event presented in key-value pairs. |

1. Non-functional Requirements
2. Revision history

# Amendments

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Date | Version | Subject of Amendments | Author |
| 1 | 2017-10-02 | 1.0 | Initial | Csaba Hegedűs |
| 2 | 2018-02-15 | M3 | Updated document to M3 | Csaba Hegedűs |
| 3 | 2018-05-23 | G4.0 | Updated to G4.0 | Zoltán Umlauf |

# Quality Assurance

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