Interface Design Description - accept-relay

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1 Interface Design Description Overview

The accept-relay service is used to allow the contract system to relay back to the system which made the contract offer that the contract has been accepted. This means that another system accepted the data in return for some amount of currency and the data is now available to the system which bought it through a specific interface. Accept-relay uses HTTP/SECURE/JSON.

Table 1 Pointers to SD documents.

Service description	Path
accept-relay	Service_Description__SD____accept_relay.pdf

2 Interfaces

2.1 Request structure

The service of acceptRelay is a REST API endpoint which is accessed by a POST request. The structure of the JSON object can be seen below:

```
{
  "ident-hash": String,
  "producer-name": String,
  "producer-address" : String,
  "producer-port": String,
  "service-uri": String
}
```

The `ident-hash` is the hash which allows the buyer of data to identify itself to the contract system and the seller of the data. The `producer-name` is the name of the system which has the data and accepted the contract. The `producer-address`, `producer-port` and `service-uri` describe how to contact the system to get the data which has been bought. The `producer-port` needs to be able to be parsed to an integer.

2.2 Response structure

The `accept-relay` service will response with a HTTP response of:

- `200 OK` if the message was correctly structured and accepted
- `400 Bad request` if the request structure is incomplete/incorrect
- `401 Unauthorized` if the standard arrowhead authorization protocol is not followed