

# Interface Design Description - get-data

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## 1 Interface Design Description Overview

The get-data service is used to allow for a system which bought a piece of data through the contract system to access it. To be able to get the data it is required that the data consumer and the data producer is in a contractual agreement. This is done by utilizing the contract system. The service get-data uses HTTP/SECURE/JSON.

Table 1 Pointers to SD documents.

Service description	Path
get-data	Service_Description_SD___get_data.pdf

Tabell 1: Showing the contract systems provided services.

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## 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:

```

1 {
2   "ident-hash": String
3 }
```

The ident-hash is the hash which allows the buyer to identify which piece of data it has bought and that it was this system which bought it.

### 2.2 Response structure

The response structure of a correctly formatted request to get-data looks like the following:

```

1 {
2   "data": String,
3   "status": String
4 }
```

The status will either be OK or ERROR. If the status is OK the data field will contain the requested data. If the status is ERROR the data field will contain the reason for the error.

If there was an issue with the request get-data will response with one of the two HTTP codes below:

- 400 Bad request if the request structure is incomplete/incorrect
- 401 Unauthorized if the standard arrowhead authorization protocol is not followed