

# FUNCTIONAL SPECIFICATION FOR INTEGRATION PROJECT

*DOCUMENT PREPARED BY INTEGRATION MANAGEMENT - HRDF*

## » Document Control

### DOCUMENT INFORMATION

<b>Service name</b>	OpenDataService
<b>Project</b>	OpenDataService Integration Project
<b>Document title</b>	Functional Specification for BI - OpenDataService Integration Project
<b>Template</b>	Integration Service Interfaces Template V1.0
<b>Author</b>	Integration team
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### VERSION DETAILS

Version	Date	By	Change description
v1	2023-05-17	Integration team	First draft



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## » Introduction

### + Document Scope

The current document's goal is to specify the OpenDataService service Integration from BI platform for interfaces requirements and integration service to be implemented.

### + Audience

The current document is primarily addressed to the following stakeholders:

- TAQAT Technical Team, to have a better understanding which integration points will be used and how it will be used.
- Integration responsible, to have the full knowledge of the proposed integrations between both systems.

### + Glossary

The table below describes definitions, terms and acronyms used within this document.

Term	Definition
SOA	Service Oriented Architecture
SOAP	Simple Object Access Protocol
REST	Representational State Transfer
HTTP	Hyper Text Transfer Protocol

Table 1 - Glossary (definitions, terms and acronyms)

## » Service

### + Scope

The following operations of OpenDataService service will be explained in this document:

- WusoolData

### + Interface

<b>Description Service</b>	This service will allow the consumer to get open data.
<b>Functional Domain</b>	On-line
<b>Service Classification</b>	Connectivity Service
<b>Service Owner</b>	Integration Management
<b>Version</b>	v1
<b>Last update</b>	2023-05-17
<b>Service Direction</b>	Inbound – outbound
<b>Message Exchange Pattern</b>	Request-response
<b>Communication Paradigm</b>	Synchronous
<b>Integration Platform / BUS</b>	OSB
<b>Service Protocol &amp; Transport</b>	REST
<b>Authentication</b>	Basic authentication

Table 2 – Definition of the service interface Citizen



## Operations

### ❖ WusoolData

Description: This operation will allow the consumer to get Wusool Data.

Method: POST

- Inputs:

Field	Is Optional	Type	Parent	Values	Note
startDate	False	string	-----	yy-MM-dd	max range is 3 months
endDate	False	string	-----	yy-MM-dd	max range is 3 months

- Request Sample:

```
{
  "startDate": "2023-04-20",
  "endDate": "2023-04-21"
}
```

- Output:

Field	Is Optional	Type	Parent	Values	Note
wusoolDataOutput	True	complex	-----		
status	True	string	wusoolDataOutput		
age	True	int	wusoolDataOutput		
eduDegree	True	string	wusoolDataOutput		
hasDisability	True	boolean	wusoolDataOutput		
cityF	True	string	wusoolDataOutput		
regionF	True	string	wusoolDataOutput		
firstTripDate	True	string	wusoolDataOutput		
lastTripDate	True	string	wusoolDataOutput		
registrationDate	True	string	wusoolDataOutput		
result	False	complex	-----		
succeeded	False	boolean	result		
error	True	complex	result		
common	False	complex	error		
code	False	string	common		

message	False	string	common		
detail	True	string	common		
source	True	string	common		
native	True	complex	error		
code	False	string	native		
message	False	string	native		
detail	True	string	native		
source	True	string	native		

- Response Sample:

```
{
  "wusoolDataOutput": [
    {
      "status": "مؤهلة",
      "age": 39,
      "hasDisability": false,
      "cityF": "العضيلية (الأحساء)",
      "regionF": "المنطقة الشرقية",
      "firstTripDate": "2018-10-21T19:36:59.000+03:00",
      "lastTripDate": "2018-12-09T17:40:23.000+03:00",
      "registrationDate": "2023-04-20T04:12:44.000+03:00"
    },
    {
      "status": "فعاآة (قامت بأآذ رحلة واحدة على الأقل في البرنامج)",
      "age": 23,
      "eduDegree": "دبلوم تقني أو ما يعادله",
      "hasDisability": false,
      "cityF": "مكة المكرمة",
      "regionF": "مكة المكرمة",
      "registrationDate": "2023-04-20T21:10:09.000+03:00"
    }
  ],
  "result": {"succeeded": true}
}
```