

TAQ05 V1.0.0 - Backend API Specification

1.Document Change Control

Project Code: TAQ05

Interface Type: File Transfer

Interface Name: sendTariffTransactionFile

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MDG Specification Version: V1.0.0

MDG Specification Status: **Draft**

1.1 Version Control

Version	Change	Updated by	Updated Date
V1.0	Initial Creation	Vish Murugesan	28.11.2018

2. Transfer Service Properties

Property	Value
Source System	ED-Tariff
Source System Type	Linux
MDG Interface Name	sendTariffTransactionFile
Interface Version	V1
Source Compression	None
Source Encoding	UTF-8
Source location	NA
Source Filename	NA - SOAP Call with content in the message payload
Source File Type	XML
Source File Frequency	Daily
Expected Source File Size	<i>to be confirmed by ED-Tariff team</i>
Destination System	DIT
Destination Location	DIT FTP Server Folder structure fromhmrc - MDG interface will transfer the file on to this location
Destination FileName	File name unchanged from source file name <i>ED-Tariff_<Start Date - YYYYMMDD>-<End Date - YYYYMMDD>-<Timestamp - YYYYMMDDTHHMMSS>.XML</i>
Destination File Type	XML
Destination Encoding	None

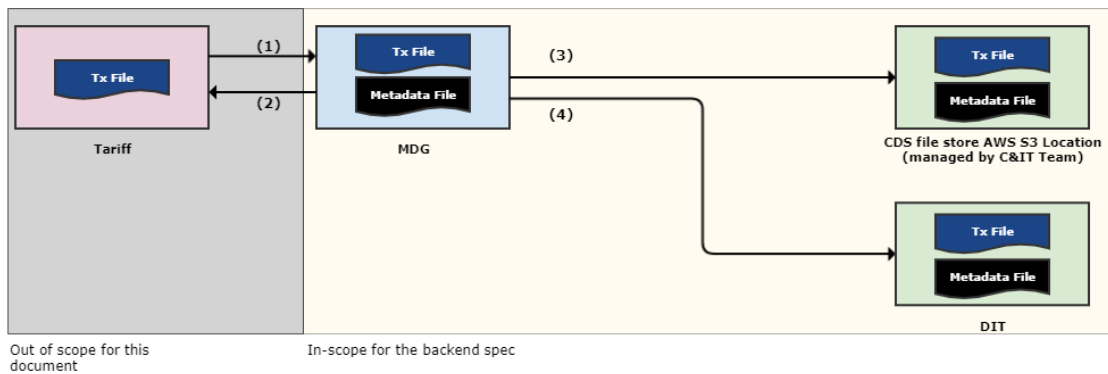
Destination Compression	None
Maximum agreed file size	<i>to be confirmed by ED-Tariff team</i> <i>tentative 100 MB</i>

3.Objective

The objective of this interface is to transfer the transaction file from ED-Tariff to DIT. Following are the high-level steps that the interface will perform:

1. ED-Tariff send the transaction log as a payload via a SOAP call to MDG
2. MDG responds with appropriate response (202 or 500)
3. MDG generates metadata file and places the transaction log and the metadata file on to CDS file store
4. MDG places the transaction log and the metadata file on to DIT FTPS server

The below block diagram depicts the steps at a high-level.



4. Metadata File Generation

MDG must generate a valid metadata file for every transaction log that it sends to DIT.

5. Naming Convention

Metadata File Name - ED-Tariff_<Start Date -YYYYMMDD>-<Timestamp - YYYYMMDDHHMMSS>_metadata.xml. Example: ED-Tariff_20181001-20180901212211-1234_metadata.xml

Destination File Name - ED-Tariff_<Start Date -YYYYMMDD>-<Timestamp - YYYYMMDDHHMMSS>.xml. Example: ED-Tariff_20181001-20180901212211-1234.xml

6.Scope

1. ED-Tariff transaction log file

7.Out Of Scope

1. Transaction file from Tariff
2. Email notification in error scenarios

8.Risks, Assumptions, Issues, Dependencies and Decisions

8.1 Risks

None identified.

8.2 Assumptions

1. ED-Tariff to conform to MDG request/response schema

8.3 Issues

None Identified

8.4 Dependencies

1. MDG are dependent on the programme to finalise an integration environment, until then the MDG module will be tested and retained in MDG test environments.

9. Validation Requirements

1. MDG will validate the ED-Tariff request
2. Transaction log will not be validated

10. Security Requirements

1. MDG will share public key with DIT for DIT's FTPS server access
2. MDG will perform a FTPS file transfer

11. Non-functional Requirements

1. Relevant firewalls requests must be raised to establish connectivity between DIT server and MDG environment.

12. Transaction file example

[Taric3TransactionsLog.xsd](#)

13. Sample Metadata file

```
<?xml version="1.0" encoding="UTF-8"?>
<mdg:BatchFileInterfaceMetadata
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:mdg="http://www.hmrc.gsi.gov.uk/mdg/batchFileInterfaceMetadataSchema"
xsi:schemaLocation="http://www.hmrc.gsi.gov.uk/mdg/batchFileInterfaceMetadataSchema
file:///C:/mdg-dev/mdg-workspace/BatchFileInterfaceMetadata/BatchFileInterfaceMetadata-1.0.2.xsd">
  <mdg:sourceSystem>TARIFF</mdg:sourceSystem>
  <mdg:interfaceName>TAQ05</mdg:interfaceName>
  <mdg:interfaceVersion>V1.0</mdg:interfaceVersion>
  <mdg:correlationID>8452f702-a7e0-40aa-8d2f-052073d9ca88</mdg:correlationID>
  <mdg:checksum>1107917721</mdg:checksum>
  <mdg:checksumAlgorithm>MD5</mdg:checksumAlgorithm>
  <mdg:fileSize>1000</mdg:fileSize>
  <mdg:compressed>false</mdg:compressed>
  <mdg:sourceLocation>Tariff</mdg:sourceLocation>
  <mdg:sourceFileName>20181001-20180901212211-1234.xml</mdg:sourceFileName>
</mdg:BatchFileInterfaceMetadata>
```