

# TAQ02 V1.0.0 - Backend API Specification

## 1.Document Change Control

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**Project Code:** TAQ02

**Interface Type:** File Transfer

**Interface Name:** SendTransactionFile

**Author:** Vish Murugesan

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**MDG Specification Version:** V1.0.0

**MDG Specification Status:** **Draft**

### 1.1 Version Control

Version	Change	Updated by	Updated Date
V0.1	Initial Creation	Vish Murugesan	28.04.2018
V1.0.0	Added SOAP call to Quota Allocation Module and updated all sections  Added BatchFileInterfaceMetadata schema version 1.0.7	Vish Murugesan	02.09.2018

## 2. Transfer Service Properties

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Property	Value
Source System	QAM
Source System Type	Linux
MDG Interface Name	SendTransactionFile
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 QAM team</i>
Destination System	DIT
Destination Location	<b>DIT FTP Server Folder structure</b>  fromhmrc - MDG interface will transfer the file on to this location
Destination FileName	File name unchanged from source file name  QAM_<Start Date - YYYYMMDD>-<End Date - YYYYMMDD>-<Timestamp - YYYYMMDDTHHMMSS>.XML

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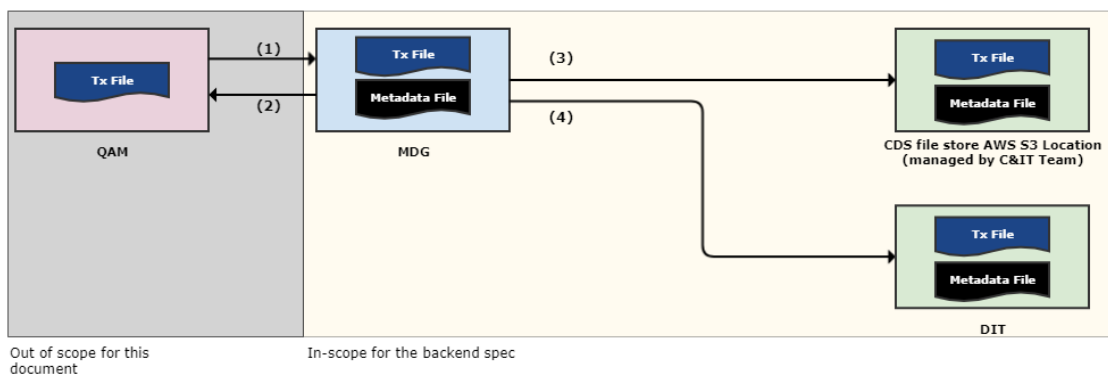
Destination File Type	XML
Destination Encoding	None
Destination Compression	None
Maximum agreed file size	<i>to be confirmed by QAM team</i> <i>tentative 100 MB</i>

### 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. QAM 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

1. MDG must generate a valid metadata file for every transaction log that it sends to DIT.
2. Metadata file will conform to the metadata schema version 1.0.7 - [BatchFileInterfaceMetadata-1.0.7.xsd](#)

### 5. Naming Convention

**Metadata File Name** - QAM\_<Start Date -YYYYMMDD>-<Timestamp - YYYYMMDDHHMMSS>\_metadata.xml. Example: QAM\_20181001-20180901212211-1234\_metadata.xml

**Destination File Name** - QAM\_<Start Date -YYYYMMDD>-<Timestamp - YYYYMMDDHHMMSS>.xml. Example: QAM\_20181001-20180901212211-1234.xml

### 6.Scope

1. QAM transaction log file

## 7.Out Of Scope

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

## 8.Risks, Assumptions, Issues, Dependencies and Decisions

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### 8.1 Risks

None identified.

### 8.2 Assumptions

1. QAM 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

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1. MDG will validate the QAM request
2. Transaction log will not be validated

## 10. Security Requirements

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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

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

## 12. Transaction file example

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[Taric3TransactionsLog.xsd](#)

## 13. Sample Metadata file

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```
<?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>QAM</mdg:sourceSystem>
  <mdg:interfaceName>TAQ02</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>
```