



**Enterprise Message Transmission System
AS2 User Guide**

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1 Overview

1.1 Purpose

This document will provide information for a Trading Partner (TP) to send and receive files to and from the Enterprise Message Transmission System (EMTS) using AS2.

It is the trading partner's responsibility to acquire/install Drummond-certified AS2 software on your system. The client software used must also support client-side validation. If your system is connected to a firewall, you are required to allow EMTS access through the firewall.

The EMTS technical specialists will do their utmost to assist you with any issues surrounding your connectivity, but please be aware that if the issue is with software setup or operation, your vendor is responsible for providing support.

1.2 Requirements

The requirements assume that the Trading Partner has the necessary software to create and send files over the Internet. In order to exchange files, you will need following:

- Access to Internet
- Drummond-certified AS2 software
- A static IP address and dedicated firewall port(s)

1.3 EMTS AS2

EMTS has implemented AS2 with the following details:

- EMTS Support will share AS2 ID(s), URL, Port, and certificate information through email.
- EMTS AS2 endpoint is configured as HTTP supporting TLS1-TLS1.2
- Supports certificate-based authentication

MDN Type	Synchronous
Message Format Type	Signed and Encrypted
Encryption Algorithm	DES3 168
Signing Algorithm	SHA2 256

1.4 Trading Partner AS2 Requirement

The trading partner should provide the following details to setup AS2:

- AS2 URL and port (preferred port 80)
- AS2 identifier(s)
- Message / Payload Format Type
- MDN Delivery Type
- Encryption Algorithm
- Signing Algorithm
- Exchange Certificate
- Signing Certificate

2 AS2 Identifiers

EMTS exchanges different data types (i.e. EDI-X12, Non-EDI, CHASE and STARS). Each AS2 profile and identifier is limited to one endpoint. For routing different types of files, a corresponding AS2 ID is required for the file transfer.

Below is a table with a list of AS2 ID's related to each data type:

AS2 Identifier	File Type	File Name Pattern
EMTSPROD_LOOPTEST_AS2	Text file	No specific filename pattern
EMTSPROD EDI_AS2	EDI (Except OBT, STARS and CHASE)	No specific filename pattern
EMTSPROD_CHASE_AS2	CHASE ASN/ASC (EDI 856)	No specific filename pattern
EMTSPROD_STARS_AS2	STARS (EDI 214)	No specific filename pattern
EMTSPROD_EFID_AS2	EFID/CFD XML Invoice	No specific filename pattern
EMTSPROD_NONEDI_AS2	Non-EDI/Modular Suppliers	<PRODUCERID>_<CONSUMERID>_<MESSAGETYPE>_<OriginalFileName> or <MS2nnnnn>_<MS1nnnnn>_MSEDIX12_<OriginalFileName>
EMTSPROD_OBT_AS2	Outbound Transportation (OBT)	No specific filename pattern
EMTSPROD_2V3R_AS2	OBT 2V/3R In/Out Gate files	No specific filename pattern
EMTSPROD_CCPACK_AS2	Carte Porte	<PRODUCERID>_LEEN1040ACK_CCP_<OriginalFileName>
EMTSPROD_CCPRESP_AS2	Carte Porte	<PRODUCERID>_LEEN1040RESP_CCP_<OriginalFileName>

EMTS requires:

- See Appendix A for EDI Transaction to AS2 Identifier Cross Reference
- The AS2 identifier LOOPTEST is for connectivity testing only! The text file will be returned to the sending system
- AS2 identifier-based routing for EDI, CHASE and STARS transaction types
- For Modular Suppliers, a filename must be used in the MIME-header, with the format:
<MS2nnnnn>_<MS1nnnnn>_MSEDIX12_<OriginalFileName>
- For Non-EDI, a filename must be used in the MIME-header, with the format:
<PRODUCERID>_<CONSUMERID>_<MESSAGETYPE>_<OriginalFileName>

Note: <PRODUCERID>, <CONSUMERID> and <MESSAGETYPE> will be provided by EMTS Support.

3 Trading Partner submitting files via AS2

3.1 System Access

In general, the Trading Partner will connect using a standard AS2 client and “push” the file to the EMTS system using AS2 configurations.

3.2 File Naming Convention

EMTS supports multiple transmission flows between trading partners and internal applications. Partners need to create and transmit the filename in the MIME-header as per the specifications mentioned below for EMTS to route it accordingly.

EDI

EDI files are routed based on the content of the file with the EDI, CHASE ASN/ASC, STARS 214 file types having separate AS2 IDs setup for each file transfer. Hence, there is no specific filename pattern that needs to be followed for these EDI file types.

Non-EDI/Modular Supplier (MS)

For Non-EDI, a filename must be used in the MIME-header, with the format:

`<PRODUCERID>_<CONSUMERID>_<MESSAGETYPE>_<OriginalFileName>`

Parameters	Description	Examples
<code><PRODUCERID></code>	Sending Trading Partner Code	<ul style="list-style-type: none"> • 62384B • EMTSPRODUCER • MS234567
<code><CONSUMERID></code>	EMTS Receiving Application Code	<ul style="list-style-type: none"> • CALC421 • VRMK82 • MS198765
<code><MESSAGETYPE></code>	Document Type	<ul style="list-style-type: none"> • PARTSLIST • DLRCAMPGN • MSEDIX12
<code><OriginalFileName></code>	Some applications may require a specific format, in this case the format is provided at onboarding.	

Note: EMTS routes inbound Non-EDI files based on these three parameters in the filename. It is important to follow the specified naming convention for Non-EDI transactions for successful delivery of the file to internal applications.

4 Trading Partner receiving files via AS2

4.1 System Access

In general, EMTS will “push” the file to the Trading Partner’s AS2 server. The Trading Partner profile will be configured with the agreed parameters mentioned in section 1.4.

4.2 Receiving Filenames

For Trading Partners that require a filename for routing; EMTS will provide the filename, (see section 4.3 for file name convention) in the MIME Header/Content Disposition attribute filename.

Below are examples of MIME Envelopes showing the most common filename attribute.

EDI

```
AS2-To: SupplierAS2_ID
AS2-From: EMTSPROD_ED1_AS2
Date: Thu, 23 Apr 2020 16:26:20 GMT
Subject: Integrator Message
Message-ID: <MOKOsi965655171a7da3e50node1EMTSPROD0ED10AS2@shi015emtd03>
AS2-Version: 1.2
EDIINT-Features: multiple-attachments, AS2-Reliability
Disposition-Notification-To: EMTSPROD_ED1_AS2
Disposition-Notification-Options: signed-receipt-protocol=optional,pkcs7-signature;signed-
receipt-micalg=optional,sha256
content-type: multipart/signed; protocol="application/pkcs7-signature"; micalg=SHA256;
    boundary="_=30464011020304227Sterling30464011020304227MOKO"

--_=30464011020304227Sterling30464011020304227MOKO
Content-type: Application/EDI-X12
content-disposition: attachment; filename=EDI_862KAN_47277_DCXKNV3_201802131524142414_76234561
content-id: <MOKOsi435654171a7da3e50node1EMTSPROD0ED10AS2@shi015emtd03>
```

OBT (Outbound Transportation)

```
AS2-To: SupplierAS2_ID
AS2-From: EMTSPROD_OBT_AS2
Date: Thu, 23 Apr 2020 16:26:20 GMT
Subject: Integrator Message
Message-ID: <MOKOsi965655171a7da3e50node1EMTSPROD0OBT0AS2@shi015emtd03>
AS2-Version: 1.2
EDIINT-Features: multiple-attachments, AS2-Reliability
Disposition-Notification-To: EMTSPROD_OBT_AS2
Disposition-Notification-Options: signed-receipt-protocol=optional,pkcs7-signature;signed-
receipt-micalg=optional,sha256
content-type: multipart/signed; protocol="application/pkcs7-signature"; micalg=SHA256;
    boundary="_=30464011020304227Sterling30464011020304227MOKO"

--_=30464011020304227Sterling30464011020304227MOKO
Content-type: Application/EDI-X12
content-disposition: attachment; filename=OBT_4700777_660_36901A
content-id: <MOKOsi435654171a7da3e50node1EMTSPROD0OBT0AS2@shi015emtd03>
```

Proprietary files (Non-EDI)

AS2-To: SupplierAS2_ID
AS2-From: EMTSPROD_NONEDI_AS2
Date: Thu, 23 Apr 2020 16:26:20 GMT
Subject: Integrator Message
Message-ID: <MOKOsi965655171a7da3e50node1EMTSPROD0NONEDI0AS2@shi015emtd03>
AS2-Version: 1.2
EDIINT-Features: multiple-attachments, AS2-Reliability
Disposition-Notification-To: EMTSPROD_NONEDI_AS2
Disposition-Notification-Options: signed-receipt-protocol=optional,pkcs7-signature;signed-receipt-micalg=optional,sha256
content-type: multipart/signed; protocol="application/pkcs7-signature"; micalg=SHA256;
 boundary="=_30464011020304227Sterling30464011020304227MOKO"

--_30464011020304227Sterling30464011020304227MOKO
Content-type: Application/EDI-X12
content-disposition: attachment; **filename=P_ASFU550Z_EMDSDATA_AIOBCPYTOLS_20191014140043760**
content-id: <MOKOsi435654171a7da3e50node1EMTSPROD0NONEDI0AS2@shi015emtd03>

4.3 File Naming Convention

Default Filename format for Proprietary/Non-EDI Files

Note: For the exact naming of proprietary files, EMTS Support will provide filename format during the on-boarding process.

Format 1: <SourceFileName>_<YYYYMMDDHHmmSSsss>

Where:

SourceFileName – Filename that the source system uses when depositing the file to EMTS.

YYYYMMDDHHmmSSsss – System Generated timestamp

Example: *testfile.txt* will be sent as ***testfile.txt_20170901142111920***

Format 2: P_<ApplicationJobName>_EMTSDATA_<EMTSMessAgeType>_< YYYYMMDDHHmmSSsss>

Where:

ApplicationJobName – An internal EMTS name used in tracking message delivery (Internal Use Only)

EMTSDATA – Eye Catcher

EMTSMessAgeType – This describes the content of the data

YYYYMMDDHHmmSSsss – System Generated timestamp

Example: P_ASFU550Z_EMTSDATA_AIOBCPYTOLS_20191014140043760

Default Filename format for EDI Files

Format: EDI_<Translation Map>_<SupplierCode>_<Doctype>_<YYYYMMDDHHmmSSsss>_<Process ID#>

Where:

EDI – File prefix to denote EDI file type (Constant).

Translation Map - Internal Information (Internal Use Only)

SupplierCode – FCA US Assigned Supplier Code

Doctype – EBMX Doctype

YYYYMMDDHHmmSSsss – System Generated timestamp

Process ID# - EMTS Business Process number, used for troubleshooting.

Example 1: EDI_850DIA_12345_DCXAAC_20170918100311311_67893024

Example 2: EDI_862KAN_47277_DCXKNV3_201802131524142414_76234561

Example 3: EDI_997_12345_20170918100311311

Default Filename format for Outbound Transportation (OBT) Files

Format: OBT_<nnnnnnn>_<ST Transaction>_<ICS Receiver>

Where:

nnnnnnn – sequence number

ST Transaction – ANSI X12 Document Type

ICS Receiver – FCA US Assigned Carrier Code

Example 1: OBT_4700776_610_53812

Example 2: OBT_4700777_660_36901A

Filename format for outbound Modular Supplier (MS) EDI filenames:

<MS1>_<MS2>_MSEDIX12_<datetimestamp or filename>

Example: MS199999_MS212345A_MSEDIX12_2019073010530000

Appendix A – EDI Transaction to AS2 Identifier Cross Reference

Transaction	AS2 Identifier
214	EMTSPROD_STARS_AS2
856	EMTSPROD_CHASE_AS2
210	EMTSPROD_EDI_AS2
410	EMTSPROD_EDI_AS2
417	EMTSPROD_EDI_AS2
810	EMTSPROD_EDI_AS2
820	EMTSPROD_EDI_AS2
822	EMTSPROD_EDI_AS2
824	EMTSPROD_EDI_AS2
830	EMTSPROD_EDI_AS2
846	EMTSPROD_EDI_AS2
850	EMTSPROD_EDI_AS2
855	EMTSPROD_EDI_AS2
858	EMTSPROD_EDI_AS2
860	EMTSPROD_EDI_AS2
861	EMTSPROD_EDI_AS2
862	EMTSPROD_EDI_AS2
863	EMTSPROD_EDI_AS2
864	EMTSPROD_EDI_AS2
870	EMTSPROD_EDI_AS2
928	EMTSPROD_EDI_AS2
996	EMTSPROD_EDI_AS2
997	Do not Send
127	EMTSPROD_OBT_AS2
510	EMTSPROD_OBT_AS2
520	EMTSPROD_OBT_AS2
530	EMTSPROD_OBT_AS2
540	EMTSPROD_OBT_AS2
550	EMTSPROD_OBT_AS2
838	EMTSPROD_OBT_AS2
853	EMTSPROD_OBT_AS2
980	EMTSPROD_OBT_AS2
RA2VE	EMTSPROD_2V3R_AS2
RA2VR	EMTSPROD_2V3R_AS2

Appendix B – Documentation Version Control

Current Date	Author	Change from Previous Version
03/29/2023	EMTS	Updated Logo to Stellantis, removed references to FCA
05/20/2022	EMTS	Added EDI Transaction to AS2 Identifier Cross Reference Table
10/01/2020	EMTS	Removed MS AS2 Identifier, combined with NONEDI.
06/15/2020	EMTS	Removed AMI AS2 Identifier
04/28/2020	EMTS	Included MIME Filename attribute information
03/13/2020	EMTS	Updated Filename Standards
02/05/2020	EMTS	Reformatted AS2 Identifier Table
08/07/2019	EMTS	Added LOOPTEST details.
8/15/2018	EMTS	1 st version for EMTS AS2 user guide