



How to use the techpack v1.0

This document gives an overview of the artefacts published in this techpack.

NB: This techpack presumes knowledge of XML and XML based protocols; it is beyond the scope of this techpack to explain these technologies. However here are some links that you may find useful if you are unfamiliar with XML and SOAP:

W3C XML specification: <http://www.w3.org/TR/REC-xml/>

W3C XML tutorial: <http://www.w3schools.com/xml/default.asp>

W3C XML Schema page: <http://www.w3.org/XML/Schema>

W3C XML Schema tutorial: <http://www.w3schools.com/Schema/default.asp>

W3C SOAP page: <http://www.w3.org/TR/soap/>

W3C SOAP tutorial: <http://www.w3schools.com/soap/default.asp>

W3C WSDL page: <http://www.w3.org/TR/wsdl>

W3C WSDL tutorial: <http://www.w3schools.com/WSDL/default.asp>

The artefacts in this techpack are split into three categories:

Generic – artefacts that pertain to every ESPS transaction

LTS (Local Test Service): The LTS is the testing solution for EMCS, there is no online test service so any testing you wish to do must go through the LTS, there is an installation guide bundled with the LTS, we recommend that you read this in full once you have downloaded the LTS archive.

Guide to EMCS Web Services.doc: A document that provides an overview of the web services that make up the EMCS service, and how to use them. It is recommended that you read this document before any other.

EMCS-TFE-specDoc-v1-0.pdf: This is the “spec doc”. It details every data item that may be used in all of the EMCS transactions, including all restrictions and rules attached to those data items. More information on how to read this document is contained within it.

SOAP-v1-2.xsd: All transactions performed in EMCS use the SOAP protocol, thus all messages sent must use the SOAP envelope, and this schema defines the SOAP envelope.

HMRC-wsHeader-v1-0.xsd: This schema defines what must be included in the <Header> of all transactions in EMCS (this does not include the security policy, which is detailed in another document)

Incoming – artefacts relevant to messages sent from the trader to HMRC

HMRCmark Guide.doc: The HMRC Mark must be sent with both the ie818 and the ie837, this document outlines the basic function of the HMRC Mark and where it sits in the message header, there is also a link to the generic IRmark techpack, in which you will find a step by step guide to producing a HMRC / IR Mark and other useful documents and code samples.

ie818-v1-0.xsd: This schema defines the structure of the accept or reject report of receipt transaction

ie818-v1-0.sch: The schematron for the accept or reject report of receipt, the schematron is essentially a machine readable business rules document. A parser that understands schematron would be needed to use this document. All the rules implemented by the schematron are listed in **EMCS-TFE-specDoc-v1-0.pdf**, it is possible to code our business rules into your software without use of the schematron.

ie818-v1-0.xslt: This document performs the same function as the schematron, except that it is in the format of a validating stylesheet and so can be used with a stylesheet processor, negating the need for a schematron compliant parser.

ie837-v1-0.xsd: Schema for the Explanation for Delay on Delivery transaction

ie837-v1-0.sch: Schematron for the Explanation for Delay on Delivery transaction

ie837-v1-0.xslt: Validating Stylesheet for the Explanation for Delay on Delivery transaction

tcl-v1-0.xsd, tms-v1-0.xsd, types-v1-0.xsd, doc-v1-0.xsd: You do not need to use these schemas directly, however the other schemas depend on them so they must be in the same folder as **ie818-v1-0.xsd** and **ie837-v1-0.xsd** when these schemas are being used.

SubmitReportofReceipt.wsdl: The Web Services Description Language file for the report of receipt transaction.

SubmitExplainDelayToDelivery.wsdl: The Web Services Description Language file for the explain delay to delivery transaction

Outgoing – artefacts relevant to requests from traders for messages from HMRC

acknowledgeMessagesReceipt-v1-0.xsd: Defines the structure of the data required for an acknowledgement of message receipt

GetAllEventMessagesForMovement-v1-0.xsd: Schema for the Get All Event Messages transaction

GetNewEventMessages-v1-0.xsd: Schema for the Get New Event Messages transaction

AcknowledgeMessagesReceipt.wsdl: The Web Services Description Language file for the acknowledge message receipt transaction

GetMovementForTrader.wsdl: The Web Services Description Language file for the get movement for trader transaction

GetNewMessages.wsdl: The Web Services Description Language file for the get new messages transaction