

How to use the techpack

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.

Generic – artefacts that pertain to every CT transaction

The Gateway Document Submission Protocol: Describes the protocol for communicating with the Government Gateway. Any application wishing to submit eXtensible Markup Language (XML) to HMRC must comply with this protocol.

How to use the test service: General information on how to register for and use the test services that HMRC makes available.

Non Form Validation Rules: Validation that can not be applied using the schema or schematron (e.g. state validation & IRmark), may also contain general hints and tips for your service.

Generic IRmark Techpack: leads to the IRmark techpack which contains information on how to create a valid IRmark for your submissions. For information, presently IRmark for CT is mandatory in TPVS, optional in LTS and Live. It will become mandatory for Live submissions from April 2011.

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

CT-2009-v1-0.xsd is the schema which defines the structure for the XML instances you will be sending to HMRC, the rules and structures it lays out **MUST** be adhered to in order for your submission to be accepted.

CT-2009-v1-0.sch is the schematron for incoming submissions and 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 **CT-specDoc-v1-0.pdf**, it is possible to code our business rules into your software without use of the schematron.

CT-2009-v1-0.xslt performs the same function as the schematron and the rules contained within it are exactly the same. It is essentially an executable version of the schematron in the format of a validating stylesheet and so can be used with a stylesheet processor, negating the need for a schematron compliant parser.

XBRL Taxonomy is the collection of schemas and link bases used to create a valid XBRL attachment for accounts and computations.