# **CHECKLIST For Publishing QT Documents**

This checklist identifies every task that must be accomplished when publishing one or more of the following documents that are under development — in whole or in part — by the W3C’s XML Query Working Group (including the “main” QT documents *XQuery: An XML Query Language*, *XML Path Language (XPath)*, *XML Syntax for XQuery (XQueryX)*, *XQuery and XPath Data Model (XDM)*, *XQuery and XPath Functions and Operators*, and *XSLT and XQuery Serialization*, as well as the “add-on” QT documents *XQuery and XPath Full Text*, *XQuery Update Facility*, and *XQuery Scripting Extension*, plus the various Requirements and Use Cases documents). The checklist currently applies to publishing version 3.0 of those documents, but will be modified as required for publication of all versions 3.*x*.

* Each document to be published must be built by the document publisher *after* performing a **full CVS Update** of the document publisher’s local “.../qtspecs/” file system (to ensure that all local files are fully up to date).
* The **Status Section entities** declared in the internal subset DTD of each document being published must be updated, as described in the document entitled “*CHECKLIST -* *Updating the Status Sections of QT Documents*”.
* Normative references (for W3C documents, typically taken from …/qtspecs/etc/xsl-query-bibl.xml, …/qtspecs/etc/tr.xml, and/or …/qtspecs/etc/specs.xml) must be updated as needed (especially for the documents to be published).
* If the document or documents to be published are transitioning from one stage (*e.g.*, initial development to First Public Working Draft), then a **Transition Request** must be prepared and submitted. For some transitions (*e.g.*, from Last Call Working Draft to Candidate Recommendation, or from Candidate Recommendation to Proposed Recommendation), a Transition Call may be required at which the document publisher — and, if there are any known anomalies, the document editor — should be present.
* If the document or documents to be published are transitioning from initial development to First Public Working Draft), then a **Request for a Shortname** must be prepared and submitted. Under most conditions, such requests are quickly approved; however, the W3C Team many sometimes recommend a different shortname. Negotiation is normally possible.
* Publication of a specification document produces several files in the “.../qtspecs/specifications/*shortname*/html/” directory (where “*shortname*” is the shortname of the document, such as “xpath-datamodel-30”). This checklist will refer to that directory as the “HTML-Directory”.
  + For almost all of the documents, two such files are named **Overview.html** and **Overview-diff.html**; however, for XQuery and XPath, there are two pairs of such files created, named **xquery-*nn*.html** and **xquery-*nn*-diff.html**, and **xpath-*nn*.html** and **xpath-*nn*-diff.html**, respectively, where *nn* is the 2-digit language version code (*e.g.*, “30” for XQuery 3.0). The files whose names include “-diff” are “difference documents”; it is not required that difference documents pass PubRules.
  + Another such file is named ***shortname*.xml**, where *shortname* is the document’s approved short name, including the 2-digit language version code (*e.g.*, xslt-xquery-serialization-30).
  + For documents that define a namespace (*e.g.*, XQuery defines a namespace for “local” functions), a **namespace document** is created. Namespace documents are normally produced in two forms: an XHTML document and an RDF document.
  + For documents that incorporate one or more images, the **image files** are copied from the directory where they are located into the HTML-Directory. Some documents collect all of the image files into a subdirectory (always named “images”) of the HTML-Directory; in such cases, the images are copied from the directory where they are located into the HTML-Directory’s “images” subdirectory.
  + Some documents may be associated with additional files (*e.g.*, XQuery incorporates an XML schema file and an XSLT stylesheet file). Those files should appear in the HTML-Directory; if they do not, then they must be copied there from the source directory (*e.g.*, …/shortname/src/).
* If one or more of the namespace documents are to be published along with their corresponding documents, the namespace document XML sources must be carefully edited to ensure that all **dates and URIs have been updated** appropriately to correspond with the dates of the corresponding documents.
* When publishing a Requirements document, the document **must satisfy the PubRules**, which requires that the document pass the PubRules Checker, including the Link Checker, CSS Validation Service, Namespaces Checker, and HTML Validity Service.
* When publishing a Use Cases document or a combined Requirements/Use Cases document, the document must satisfy the PubRules, which requires that the document pass the PubRules Checker, including the Link Checker, CSS Validation Service, Namespaces Checker, and HTML Validity Service. In addition, production of Use Cases documents should include generation of **a separate text or XML file containing each of the use cases themselves**.
* When publishing a specification document, the document must satisfy the PubRules, which requires that the document pass the PubRules Checker, including the Link Checker, CSS Validation Service, Namespaces Checker, and HTML Validity Service. In addition, production of specification documents generates “**anchor documents**” in the “.../qtspecs/etc/” directory in the document publisher’s local archives.
* Once all of the documents to be published have been compiled, they must be ***staged*** for convenient access by the W3C Publication Team. The steps required for staging a document are:
  + A **new directory is created** in the W3C CVS “.../qtspecs/document\_staging/” directory. The name of that directory should be identical to the filename (excluding filename extension) of the document as it will appear in “date space” (*e.g.*, WD-xquery-30-20110614). This checklist will refer to this directory as the “Staging-Directory”.
    - **Copy** the file named Overview.html from the HTML-Directory to the Staging-Directory. (Note: For XQuery and XPath, the file to be copied will be named xquery-*nn*.html or xpath-*nn*.html.)
    - **Copy** the file named Overview-diff.html from the HTML-Directory to the Staging-Directory, renaming it to “*shortname*-diff.html”. (Note: For XQuery and XPath, the file to be copied will be named xquery-*nn*-diff.html or xpath-*nn*-diff.html.)
    - **Copy** the file named *shortname*.xml from the HTML-Directory to the Staging-Directory.
    - For documents that incorporate one or more images, the image files are copied from the HTML-Directory into the Staging-Directory. Some documents collect all of the image files into a subdirectory (always named “images”) of the HTML-Directory; for such cases, the “images” subdirectory itself should be copied into the Staging-Directory.
  + For documents that define one or more namespaces, **a new directory is created for each such namespace** in the W3C CVS “.../qtspecs/document\_staging/” directory. The name of that directory should be identical to the filename (excluding filename extension) of the source file of the namespace document, with the document publication date appended following a hyphen (*e.g.*, “ns-local-20110614”). This checklist will refer to this directory as the “Namespace-Directory” and the portion of the directory’s name preceding the final hyphen as the “filename”.
    - **Copy** the file named *filename*.rdf from the HTML-Directory into the Namespace-Directory, renaming it to Overview.rdf.
    - **Copy** the file named *filename*.xhtml from the HTML-Directory into the Namespace-Directory, renaming it to Overview.html.
  + For documents that define **one or more XML Schema documents and/or one or more XSLT stylesheets**, those files should be placed at *some appropriate place*[[1]](#footnote-1) in the W3C CVS “.../qtspecs/document\_staging/” directory structure; if a new directory is created, the name of that new directory should be mnemonic to the document and/or namespace with which they are associated (e.g., “xpath-full-text-30-xqueryx-2011-11-11”) and the files copied from the HTML-Directory (or other appropriate location) into the selected location in the W3C CVS “.../qtspecs/document\_staging/” directory structure. An appropriate — and simple — choice would be to place such files into the same directory as the Overview.html and *shortname*-diff.html files.
* If the document publication includes either XPath or XQuery, the parsing and XQueryX-generation **applets** must be produced and staged. The W3C web page from which those applets are linked must be updated to reflect the new applets. If necessary, the public and member XML Query WG “home pages” must be updated.
* A **publication request** must be generated that instructs the W3C Publications Team, for each document being published, how to publish that document, as described in the document entitled “*CHECKLIST –* *Preparing a Publication Request for QT Documents*”.
* Once the documents have been published on the TR page (and in “date space”), the **publication should be announced** on relevant fora (*e.g.*, to the XML-dev mailing list). Before making such an announcement, however, it *must be confirmed* that the documents have actually been made available on the TR page!

# Example Task List for A Particular Publishing Cycle

The following list illustrates the many tasks required to publish a set of documents. It may not, in fact, be comprehensive. In addition, a number of the tasks are actually complex, multi-step tasks themselves. All tasks are the responsibility of the document publisher except where otherwise noted.

|  |  |  |
| --- | --- | --- |
| Full CVS Update of all of qtspecs | **XPath** | **FT** |
| Create Staging Directories | Update status section | Update status section |
| CVS Update .../etc/xsl-query-bibl.xml | Update references | Update references |
| CVS Update .../etc/status-entities.dtd (if required) | Build | Create XQueryX-for-FT namespace document, incl. references |
| **XDM** | Pubrules checker | Build |
| Update status section (for example: date.day, date.DD, date.month, date.monthnum, date.year, doc.stage, doc.w3c-doctype, doc.w3c- doctype-full, doc.LC-pubdate, doc.LC-comments-due, doc.pubdate, changes-para, implementation-report, document-stage, doc-stability, features-at-risk, customized-paragraph) | Link checker | Pubrules checker |
| Update references | HTML validity checker | Link checker |
| Build | CSS validity checker | HTML validity checker |
| Pubrules checker (including fixes, rebuilding, until correct) | Stage | CSS validity checker |
| Link checker (including fixes, rebuilding, until correct) | **XQuery** | Stage |
| HTML validity checker (including fixes, rebuilding, until correct) | Update status section | **Update** |
| CSS validity checker (including fixes, rebuilding, until correct) | Update references | Update status section |
| Stage (copy all files to be published into the appropriate staging directory or directories) | Update features namespace document, incl. references | Update references |
| **F&O** | Update local namespace document, incl. references | Update XQueryX-for-Update namespace document, incl. refs |
| Update status section | Build | Build |
| Update references | Pubrules checker | Pubrules checker |
| Update Codepoint collation namespace document, incl. references | Link checker | Link checker |
| Update errors namespace document, incl. references | HTML validity checker | HTML validity checker |
| Update functions namespace document, incl. references | CSS validity checker | CSS validity checker |
| Update math functions namespace document, incl. references | Stage | Stage |
| Build | **XQueryX** | **General** |
| Pubrules checker | Update status section | Stage all schemas and stylesheets and example files |
| Link checker | Update references | Ensure that all applets are ready to go (mdyck) |
| HTML validity checker | Update XQueryX namespace document, incl. references | Publish applets at appropriate URI(s) (mdyck + Liam) |
| CSS validity checker | Build | Update applet "master page" (Liam) |
| Stage | Pubrules checker | Transition requests as needed |
| **Serialization** | Link checker | Pub requests for all documents |
| Update status section | HTML validity checker | Publication announcement (Liam) |
| Update references | CSS validity checker |  |
| Update serialization namespace document, incl. references | Stage |  |
| Build |  |  |
| Pubrules checker |  |  |
| Link checker |  |  |
| HTML validity checker |  |  |
| CSS validity checker |  |  |
| Stage |  |  |

1. The phrase “*some appropriate place*” implies difficulty in precisely formulating a rule. The document publisher may have some reason for selecting a directory name that is not directly mnemonic to the document and/or namespace with which the files are associated, but a mnemonic directory name is preferred for obvious reasons. [↑](#footnote-ref-1)