



QualityLogic®
Putting Technology to the Test



XPS SP1 and Open XPS Functional Test Suites

Quick, Economical XPS and OpenXPS Functionality Testing for Producers and Consumers

- ▶ **Supports Windows Vista SP1 environment**

- ▶ **Rapid, unattended test execution**

- ▶ **Minimum number of pages to print and compare**

- ▶ **Quick bug isolation**

For document imaging hardware or software vendors developing XPS and OpenXPS implementations or licensing them from a third party, the QualityLogic XPS FTS SP1 and OpenXPS FTS are quick, economical integration test tools.

XPS FTS SP1 and OpenXPS FTS files exercise the main features of the language against your printer, RIP, file format converter, or other XPS/OpenXPS compatible implementation. FTS tests are broad rather than deep, exercising the breadth of the language elements and associated attributes using fairly nominal characteristics.

These FTS products are specifically designed for:

- ▶ Rapid unattended test execution times for original and regression tests
- ▶ Absolute minimum number of pages to compare
- ▶ Quick bug isolation

The XPS FTS uses the XPS Viewer as a reference, while the OpenXPS FTS uses Zoran's IPS 2010.3 XPS Host Driver.

Each FTS container file incorporates the following design principles:

- ▶ Containers have single or multiple pages
- ▶ Each page has single or multiple test cases
- ▶ Test cases are bounded in a canvas with a clipping path
- ▶ Each test case is bracketed with start and end test banners
- ▶ Test cases have embedded comments from our developers
- ▶ XAML markup is indented, making it simple to follow the code

The XPS FTS SP1 and OpenXPS FTS are each split into two distinct sets:

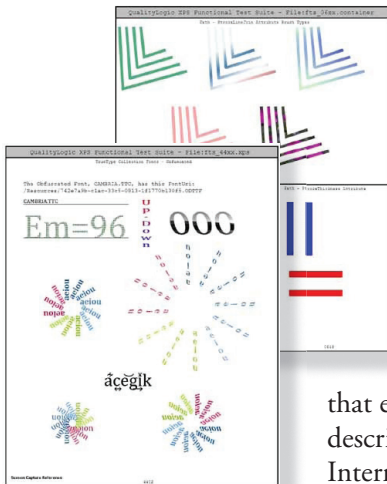
- ▶ **Markup Tests** focus on exercising the XAML markup contained within the bounds of a <FixedPage> element.
- ▶ **Package Tests** focus on the structure of XPS/OpenXPS Package and the associated markup.

The container files are organized in two convenient versions:

- ▶ **Multiple FTS test cases contained in a single file** - This version is used to produce the reference output, whether to paper, an XPS viewer or a file format converter. This format provides a method for quick comparison using the minimum number of pages.

The intent of the FTS is to test the breadth of the XPS or OpenXPS markup with typical usage scenarios. This suite helps you rapidly assess baseline conformance to requirements.

Each FTS contains files that QualityLogic has developed to exercise main features of the language. These tests verify that each element behaves in the manner described by the Microsoft or Ecma International specifications.



QualityLogic XPS and OpenXPS FTSs

- ▶ **Single FTS test case per file** - This version makes the debugging process much easier. This format provides a quick method for debugging any problems your implementation encounters using the FTS.

Automation Tools

Save time and labor costs in your testing process with QualityLogic's automation tools. This new generation of automated test tools provides time-saving and labor-saving solutions for your testing process.

TestJob Builder and TestJob Sender add a new layer of automation to help you get even more value from your investments in QualityLogic Test Suites for major PDLs, including XPS, PDF and GDI.

Specifications

Deliverables

- ▶ **Test Specification**
- ▶ **User's Guide** – The overall user's guide to the FTS delivery and its contents.
- ▶ **XPS (.xps) or OpenXPS (.oxps) FTS files** – This collection of files is the central component of the FTS product. These files were developed by QualityLogic to exercise the main features of the language. USLetter and A4 sized container files are included for both "grouped" and "individual" sets.
- ▶ **TestJob Sender** - QualityLogic's utility for submitting print-ready files to an attached printer is included in the DVD.
- ▶ **For OpenXPS FTS: Reference Images in .tiff format**

Options

- ▶ **XPS SP1 FTS Reference Hardcopy Output** produced by QualityLogic using the XPSViewer Windows Vista SP1 version, or native XPS printers.
- ▶ **OpenXPS Reference Hardcopy Output** generated from Zoran's IPS 2010.3 XPS Host Driver

System Requirements

In order to use the files that are included in this delivery, the following hardware and software configurations are recommended. Note that if you have access to a native XPS printer or RIP that can process XPS files directly without an XPS Viewer, the configurations below are not required.

- ▶ **Hardware:** QualityLogic used 3.2 GHz Intel Pentium 4 systems with 1GB RAM, although any PC that is capable of running Microsoft Windows XP Pro SP2 with WinFX is also adequate.
- ▶ **Operating System:** Microsoft Windows XP Pro SP2, Windows Vista or Windows 7

Ordering Information

XPS SP1 FTS: Model Number: FT2100-1.1

OpenXPS FTS: Model Number FT2101-1

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