



X9 QUALIFIER®

A Windows .NET-based application which tests, reports and corrects check image and MICR issues in Image Cash Letter (ICL/X9.37) files

Financial institutions are ramping up production volume of Image Cash Letters (ICL/X9.37) files. As ICL volume goes up, issues with check images scanned and captured with a variety of capture devices and software are causing interoperability and data integrity issues.

A production ICL/X9.37 file can routinely contain over 30,000 check images and can be over a gigabyte in file size. One "bad" check image can crash a system. Receiving and sending financial institutions need to ensure that the check images in the ICL/X9.37 files will comply with conformance standards and guidelines with regard to TIFF, Image and MICR quality assurance.

BENEFITS

- Test and Correct to ensure TIFF tags conform to X9.100-181 conformance
- Make certain that X9.100.187 and Universal Companion Document conformance minimum Image quality levels are met
- Verify that the MICR data on the check matches the data in the records and fields in the ICL/X9.37 file
- Validate that the ICL/X9.37 file balances with regard to item and dollar totals

X9 QUALIFIER can ensure error-free interoperation with your exchange partners.

THE X9 QUALIFIER FAMILY PROVIDES

RECEIVING INSTITUTION

- Test and provide detail reports of TIFF tag conformance
- Test and report essential image quality assurance metrics
- Compare and validate MICR data to check images

SENDING INSTITUTION

- Perform QA on outgoing ICL files
- Correct files so that exchange can occur
- Auto correct non-compliant files prior to exchange

SOFTWARE DEVELOPERS

- Test, report and correct check image files prior to creating ICL/X9.37 files
- Test for conformance to exchange guidelines for ICLs and printing IRDs
- Perform quality assurance testing

X9 QUALIFIER FUNCTIONS:

- TIFF Quality Assurance
- Image Quality Assurance
- MICR Quality Assurance
- File Quality Assurance
- Test, Report and Correct check images in X9.37/ICL Files
- FREE version performs Pass/Fail test on ICL/X9.37 files

X9 QUALIFIER FUNCTIONS

X9 QUALIFIER provides a comprehensive set of tests and reports on the image component of ICL/X9.37 files to ensure data integrity and interoperability of Image Cash Letters.

FEATURE PACKAGE ▶	TIFF QA	TIFF & IMAGE QA	TIFF, IMAGE & MICR QA
Free Download Available	✓ Pass/Fail		
X9.100-181 14 Required Tags	✓	✓	✓
X9.100-181 4 Variation Tags	✓	✓	✓
Compression Size		✓	✓
Image Dimensions		✓	✓
Decompression		✓	✓
Darkness		✓	✓
Spot Noise		✓	✓
Skew		✓	✓
Turned Corners		✓	✓
MICR Match			✓
X9.37 Balance	✓	✓	✓
X9.37 Type ASCII/EBCDIC	✓	✓	✓
X9.37 Byte Order Intel/Motorola	✓	✓	✓
Integration with AMP X9 VIEWER	✓	✓	✓
XML, Summary, Pick List Non-conforming Items Reports	✓	✓	✓
Log	✓	✓	✓
Presets: FRB, ECCHO, IRD Print	✓	✓	✓
TIFF and Image QA Error Correction	Optional (TIFF QA only)	Optional	Optional
Items per file license options	<10,000, Unlimited	<10,000, Unlimited	<10,000, Unlimited

RECOMMENDED SYSTEM REQUIREMENTS

Operating System: Windows Vista/XP/NT
.NET 2.0 installed, CPU Pentium 4, 2 GHZ,
4GB RAM

FLEXIBLE LICENSING

Licensing for single user, single desktop.
Server licensing available.

Windows is a registered trademark of Microsoft Corporation in the United States and other countries.