



Client Case Study

AML Payments

Introduction

A Global Bank needs to test its payment screening engines, which are distributed around the globe, to check that all payment types are screened accurately for Terrorist Financing.

The Bank is screening SWIFT, FEDWIRE, CHIPS, EuroSIC, SIC, and SWIFT MX (SEPA) messages.

To thoroughly test the payment screening systems SQA Consulting devise a test strategy where:

- a payment message is created for each different field, in each different message in each format;
- a payment message is created for each and every Sanctioned Name, Vessel, CTRP, Country, BIC, and Nationality; and
- c) Fuzzy Matching variants to ensure that non-exact matching is working effectively.

This results in over 300,000 different test cases.

To perform such levels of testing requires high levels of automation in generating the test cases, and analyzing the results.

Test messages are also required to check that all Sanctions Names are screened, and that any Fuzzy Matching deployed is effective in finding non-exact test cases.

SQA Consulting have a solution which will create a test file containing all of the Personal, Company, and Vessel names from over 20 different raw format sources of Sanctions Lists. These provide a definitive base line for the testing of both Customer and Payments screening systems.

If you would like to discuss this case study please email jason.storey@sqa-consulting.com

More Detail

SQA consulting have a proven pedigree in profiling different payment system messages, so we understand how payments are structured, and what they can contain.

SQA Consulting brought this altogether into a new product to create a comprehensive payments test file that will thoroughly test any payments screening system.

Generating over 500 different fundamental message types it will imitate Sanctioned activities in:

- Company Names
- Personal Names
- Vessel Name
- Vessel IMO Numbers
- Vessel Owners
- BICs
- Addresses
- Countries
- Nationalities

This often results in test files containing over 300,000 messages testing the screening of:

- Beneficiaries
- Originators
- Intermediaries
- Any other kind of third party to a payments message.

The SQA Results Analyser product can quickly turn the results of a test execution into a detailed breakdown of the weaknesses of the system under test and highlight areas of improvement for our clients.