

## Messaging





## Messaging, Integration & Processing

To effectively navigate the dynamic landscape of regulatory requirements and industry standards, financial institutions invest substantial resources in maintaining the effectiveness of their back office systems. The intricate demands of control and automation, coupled with the imperative to continually innovate while ensuring compliance, present formidable challenges. Aquila stands poised to address these challenges with tailored solutions, offering a pathway to streamlined operations and sustained regulatory adherence.

Aquila is a multi-entity, multi-currency solution offering 24x7 transaction automation capabilities that reduces both network complexity and operational costs.

Some of its features include:

- Integration to any electronic messaging systems such as SWIFT (FIN and ISO20022)
- Seamless integration into existing core infrastructure
- Cloud native solution
- Dedicated support providing updates to industry changes months before the go-live
- Create and automate new message formats or business logic with ease.



**Integration to  
Electronic  
Messaging  
Systems**



**Integration to  
Existing  
Infrastructure**



**Reduced  
Network  
Complexity &  
Operational  
Costs**



**Dedicated  
Support**



**Create &  
Validate New  
Message  
Formats**

## Message Management

Message Management (MM) integrates internal core systems with third party applications and external messaging services. MM simplifies IT architecture and enables your enterprise to prepare, augment and control the receipt, creation, amendment and release of all message types for all services with full audit.

The advantages of using the product suite include:



**Reduced Risk**



**Reduced Cost**



**Reduced manual processes**



**Improved compliance**



**Improved time-cycles**



**Improved audit and control**



**Improved accuracy**



**Competitive Pricing**







The user desktop logically segregates messages by entity, department and status, presenting them to the appropriate business area and users as well as performing automated business processing via workflows. Comprehensive search facilities enable users to effectively locate and display any related messages within the system with ease.

Aquila is designed to automate the processing of ISO 20022 messages, however, if required, Aquila can translate messages between different formats using its proprietary business logic (e.g. Swift MT to MX and MX to MT) for use in other legacy systems. Automated duplicate message and restricted country and currency detection is included as well as a configurable incident management function that alerts users to any issues that need investigation such as third party AML system API responses.

## Message Standards

All message standards are maintained within MM. They have an effective date or a version number that allows changes in message structure (introduced by service standards updates) to be catered for without a need to upgrade software.

Changes to industry standard messages are supported by Aqua Global with updates typically released at least four months prior to the go-live date. These can be applied in advance of the standards coming into effect and are adopted automatically.

## No-code Business Intelligence

This technology allows a fine degree of control over the processing and manipulation of transactions. They can be initiated from various system activities and are typically used to scan the content of messages, control processing, define message matching and field context rules. This additionally allows the translation and mapping of information between messages and interfaces. This configurable interface provides the ability to easily add new message formats and accommodate new business logic without the need for extensive re-engineering.

## Workflow Engine

A powerful workflow engine is provided to control and monitor configurable workflow definitions that perform automated business logic. Workflows can be triggered automatically using message status changes, specific business events and database activity or manually by authorised users.

### Workflow definitions are able to:

- Steer the processing depending upon the outcome of events
- Suspend the processing whilst waiting for an action from another process or a user initiated repair
- Halt the processing due to a new exception condition

### Provide internal processing for:

#### Reconciliations

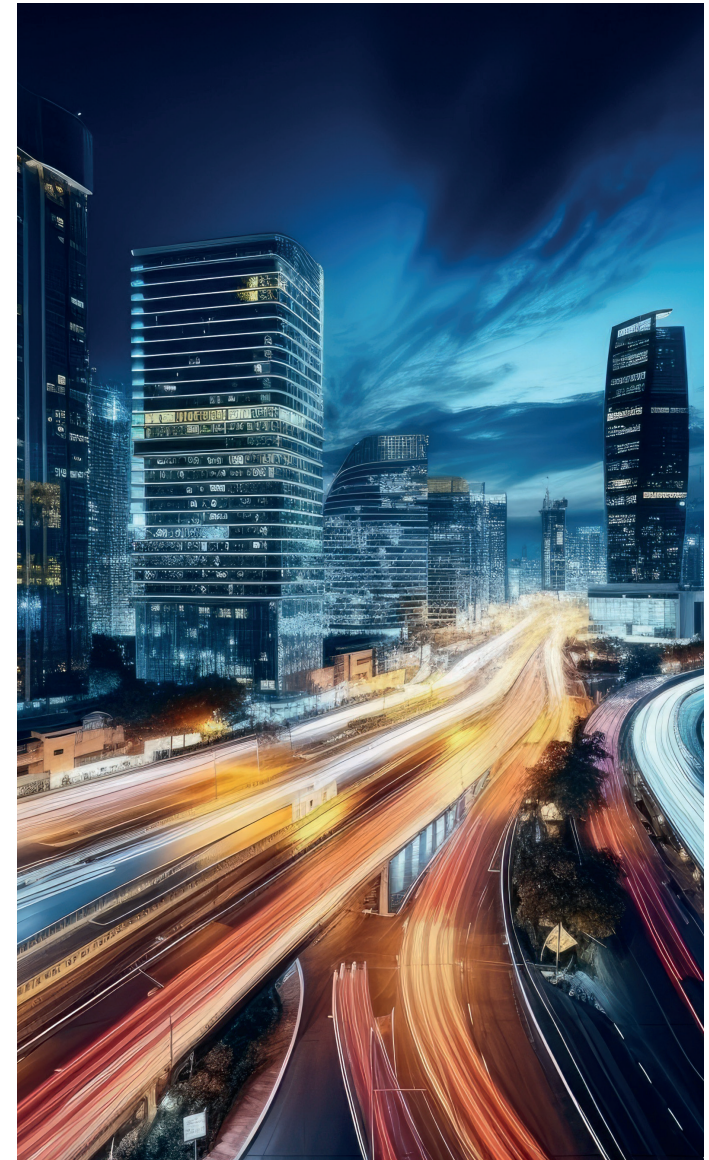
- Cash
- Cards
- Commodities
- Payment Service Providers
- Securities Positions
- Securities Trades

#### Matching

- Treasury Confirmations
- Securities Settlement messages

#### Reporting

- End of Day transactions and balances
- Intra-Day transactions and balances







## Incident Management

Aquila has configurable incident management that tracks events and controls analysis, corrective action, and incident closure with full audit.

## Swift Essentials Interface

From 1 January 2024, “Swift Essentials” will be applied universally to all Swift users in scope allowing the use of a number of API’s to improve business flows.

### 1 SwiftRef API

This will enable the automatic creation of new counterparty records based on undefined BICs, clearing codes and other identifiers such as LEI contained in either MT or MX messages in real-time.

### 2 GPI Core Services API

Swift GPI enables banks to provide end-to-end payments tracking to their customers from the moment it is sent right up to when it is confirmed. Integration of the GPI Tracker APIs with applications allows calls to be made to retrieve and update payment transactions. When updating a transaction status with the API, the GPI Tracker validates the information and provides an immediate response if the update was successful or not, allowing the application to take immediate action based on the API call result.

### 3 Payment Pre-validation Consumer API

This will effectively perform the Confirmation of Payee processing that will be required by UK banks by October 2024 and internationally.

This API is designed to support banks to prepare their cross-border payment requests and check if the payment information is valid and in good standing with the country-specific requirements at the destination.

# MODERNISE YOUR PROCESSING

Trusted messaging  
provider for over 40 years



#### About AquaGlobal

Aqua Global is a leading provider of financial message management solutions and has been for over 40 years. We provides solutions to the world's top financial institutions producing high levels of Straight Through Processing (STP) and operational efficiency, whilst minimising risks and costs. Headquartered in London, Aqua Global also has a support and development hub in Poland, as well as several global business partners.

For more information, visit  
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