

Message Management

Agility in financial messaging for new initiatives and changing standards are key factors to all institutions. e²gen Message Management (MM) is an integrated framework for controlling all electronic messaging from a variety of services such as SWIFT, SEPA, local clearing, electronic banking or even custom formats. MM is a multi-entity, multi-currency solution offering 24 x 7 transaction processing capabilities. The advantages of using e²gen product suite include:

- Reduced manual processes
- Reduced cost
- Reduced risk
- Improved accuracy
- Improved time cycles
- Improved audit and control
- Improved compliance
- Competitive Pricing

Functionality

Providing the foundation layer for the entire e²gen product range, MM integrates internal systems with third party applications and external messaging services in order to simplify your institutions IT architecture. MM's central hub enables your enterprise to prepare, augment and control the receipt and release of all message types for all services. Your institution can reduce its reliance on external service hardware to a single gateway device thereby reducing network complexity and operational costs.

The MM user desktop features a queuing and viewing environment that is logically segregated by entity, department and message status. MM allows for automatic message routing of specific messages to the appropriate business area as well as business processing and printing. All messages that are manually or automatically created can be securely controlled as required.

This core module provides an exception based processing environment, alerting users to any exceptions that need to be managed. An automated message query and answer management function forms part of the e²gen framework related to SWIFT (MTn95, MTn96).

MM archives messages for a desired length of time thereafter they can be moved to a purged database. With a comprehensive search facility users have the ability to immediately locate and display any related messages within the system.

Message Standards

All message standards are maintained within e²gen MM. They have an effective date 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 three months prior to the go-live date.

e²gen Processing Framework

MM enables your institution to build and maintain its own application integration and any associated business processes.

SWIFTRef Support

The SWIFTRef directories from SWIFT offers a bank a single source of reference data enabling a flawless payments process and SWIFT message production. Loading this data into e²gen allows the validation of BICs, IBANs, national bank codes and SEPA routing information.

The following message standards are available:

Item	Description
SWIFT FIN	<ul style="list-style-type: none"> - All FIN message types - RTGS - TARGET2, EBA2, RTGS - CHAPS (UK)
SWIFT ISO20022 XML	<ul style="list-style-type: none"> - SEPA (Credits & Direct Debits) - MX - Workers Remittances
Domestic Clearing Systems	<p>Any domestic clearing formats and process can be configured. Some supported formats are:</p> <ul style="list-style-type: none"> - JCC (Cyprus), TNS (Netherlands), SLIPS (Sri Lanka) - Elixir, Euro Elixir, Sorbnet (Poland), BEFTN (Bangladesh) - BACS (UK), Faster Payments (UK)
Other Formats and Processes include	<ul style="list-style-type: none"> - Dr & Cr card processing - Configurable Proprietary formats - E-banking integration, CFT Life Insurance formats

1 | Data Definition Layer

This is used to define both bespoke and industry standard message definitions. Message standards are version dated and stored in database files therefore, no software updates are required. MM automatically switches to use the appropriate standards for both historic and current messages.

2 | Execution Definitions

This technology is used to allow a fine degree of control over the processing and manipulation of transactions. They can be triggered from various system activities and are used to scan the content of messages, define message matching and field context rules. Execution definitions allow the translation of data between messages and interfaces. MM uses an internal XML standard and all inward messages are translated to these. This allows common business processing to be applied by e²gen and provides the ability to easily add new message formats without the need for extensive business process re-engineering.

3 | Workflow Engine

A powerful workflow engine is provided to control and monitor all processing. Workflows can be initiated automatically using message status change triggers, specific business events or database activity. Manual workflows are initiated and controlled via 'User Processes' that use the same workflow engine.

4 | Workflow Definitions

This is a mechanism to execute and control business logic that drives specific processing from its initiation to completion. The definitions also contain the ability 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 activity
- Halt the processing due to a new exception condition

5 | User Processes

A user process is a workflow process that is manually initiated based on user, message type, content and status.

6 | Adapter Programs

Adapters are a collection of Aqua Global developed API's used to either get data values from a 'host' application or to book transactions into them. Adapters are also used to validate information such as account numbers, thereby allowing a configurable bi-directional integration with other applications.

If you would like to arrange an obligation free consultation or for further information please contact Aqua Global on +44 (0)20 8544 3200 or e-mail sales@aquaglobal-solutions.com