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Business Requirements

Clearing Account - Market Membership Identification

Issue 1.0

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Produced by:

International Securities Exchange, Inc.
60 Broad Street, New York NY 10004
www.iseoptions.com

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About this document

This document provides the business requirements for managing clearing account market membership information using Reference Data, and the billing system's use of this new information to identify member/non-member clearing accounts in order to bill accurately.

Users of this document

The audience for this document includes ISE employees who are responsible for delivering trading applications and supporting billing and reports.

- Development
- Product Operations
- Software Quality and Management
- Product Management
- Billing

Summary of changes

Issue	Date	Author	Change
0.1	3/14/2014	M. DiBenedetto	First draft
0.2	3/17/2014	J. Palmer	Added Billing specific requirements

Reviewers and approvers

This document was subject to review and approval.

The records of reviews and approvals are stored on file with the ISE Product Management team.

Reviewers

This document was reviewed by:

Name	Title	Date

Approvers

This document was approved by:

Name	Title	Date

Chapter 1. Introduction

1.1. Scope

Currently, non-member clearing firms/accounts are identified in Reference Data with “NonMem” or some similar suffix attached to their description. Billing parses the string and uses this information to accurately bill clearing accounts, as non-members cannot be billed. However, with the introduction of Gemini, adding a suffix to the description is no longer a sufficient method of determining if a clearing account is a member of ISE, Gemini, both, or neither. The current solution results in billing Gemini clearing accounts that are not Gemini members.

To clearly track clearing account membership for each exchange, a new many to many table will be added to Reference Data joining clearing accounts and markets. RDQS will query this table when determining exchange membership for billed clearing accounts.

1.2. Planned Benefits

The new table will give the billing system a definitive method of identifying which clearing accounts are ISE, Gemini, Both, or non-members. Additionally, as an added benefit, anyone looking for clearing account membership information will be able to find it in this table.

1.3. Delivery Requirements

This enhancement is being requested for the 10.0 release of T7.

1.4. Priority

The priority is high.

Chapter 2. Functional Requirements

2.1. Reference Data

2.1.1. Reference Data System (RDS)

2.1.1.1. *Clearing Account – Market : New Many to Many Association*

A new many-to-many relationship should be created to link the clearing account entity and market entity. This should allow users to assign any number of markets to any number of clearing accounts.

The new Clearing Account – Market association entity should contain a record for each clearing account - market assignment created by product operations. The billing system will use this information to determine which (if any) markets a billed clearing account belongs to.

No new clearing account-market assignments will need to be created by the 10.0 database conversion. Product Operations will handle this manually.

Example Table

ID	Clearing Account ID	Clearing Account	Clearing Account Description	Market ID	Market Name
1	1	00284	AFC01C	1	ISE
2	1	00284	AFC01C	25	Gemini
3	3	00576	BCA01C	1	ISE
4	3	00576	BCA01C	25	Gemini
5	4	00074	BCA02C	1	ISE
6	5	00255	BCA03C	1	ISE
7	6	00273	BCA04C	25	Gemini
8	7	00045	BMO01C	1	ISE
9	7	00045	BMO01C	25	Gemini
10	8	00656	BNP02C	25	Gemini
11	9	00230	BNP01C	1	ISE
12	10	00696	CAN01C	1	ISE
13	10	00696	CAN01C	25	Gemini
14	11	00395	CDL01C	1	ISE
15	12	00880	CDL02C	1	ISE
16	13	00164	SCH01C	1	ISE
17	14	00438	CIB01C	1	ISE
18	15	00233	CMP01C	1	ISE
19	15	00233	CMP01C	25	Gemini

2.1.2. Reference Data Front End (RDFE)

2.1.2.1. Clearing Account – Market : New Many to Many Association

A new table should be added to the many to many explorer for the newly Clearing Account – Market relationship.

2.1.2.2. Clearing Account Table: New Managed View

A new 'Market' managed view should be added to the clearing account view to allow the RDFE user to assign one or more markets to the selected clearing account.

2.2. Billing and Reports

The new Clearing Account – Market association entity will contain a record for each clearing account - market assignment created by product operations. The billing system can use this information to determine which (if any) markets billed clearing accounts belong to.

2.2.1. Billing System

The billing system will pull trade information from the cleared traded table in the market place database. ISE and Gemini can only bill OCC IDs (clearing accounts) that are a member of the respective exchange that the trade was executed on.

The billing system will compare the OCC ID on the trade with those configured in this new table. If the ID is not configured to a market group of ISE (for ISE trades) or Gemini (for Gemini trades), it will bill the default clearing account associated with the executing business unit of the trade.

Per conversations with Product Operations, all default clearing accounts that are assigned to trading business units are members of the exchange(s) the business unit is enabled to trade on.

2.2.2. RDQS

RDQS is responsible for providing information from the reference data system to the billing system. It currently runs separately for each exchange, so a configurable variable will be created in order to pass ISE market/clearing account configurations from reference data to the billing system when ISE runs. The same will be performed for when Gemini runs for the Gemini specific configurations. The configurable variable will be able to handle multiple market ids for each exchange should more than 1 be used.

Chapter 3. Non-Functional Requirements

3.1. Security

There are no explicit security requirements for this feature.

3.2. Operational Deployment

There are no explicit operational deployment requirements for this feature.

3.3. Maintainability

There are no explicit maintenance requirements for this feature.

3.4. Reliability

There are no explicit reliability requirements for this feature.

3.5. Availability

There are no explicit availability requirements for this feature.

3.6. Auditability

None.

3.7. Documentation

Updates are required to supporting documentation for all impacted applications.

3.8. Acceptance Criteria

Functional and regression certification required.

3.9. Rules

Not required