SIFMA BUSINESS CONTINUITY TEST

Coordination with Reg SCI

VERSION DATE: 06/30/2016

Reg. SCI - Overview

❑ Reg SCI testing will be held on October 15, in parallel with the SIFMA industry test, and will cover Equities, Options, and Clearance and Settlement

❑ The 2016 Regulation SCI BC/DR test is designed to verify that Regulation SCI entities are able to demonstrate that they can support the maintenance of fair and orderly markets in the event the Regulation SCI entities' business continuity and disaster recovery plans are activated

❑ The 2016 Reg SCI test is not an end-to-end industry integrated test; it is a test for each individual SCI Entity to test its own BC/DR environments

❑ Reg SCI entities will identify designated testers from among their participant firms who will be required to take part in Reg SCI testing with them

❑ The 2016 Regulation SCI test is distinct from the classic SIFMA Industry test as outlined in this presentation

❑ While Reg SCI test will cover a range of simulated market activities, the SIFMA industry test will retain the scope and format of prior years – i.e. primarily a bilateral connectivity test

Reg. SCI & SIFMA Industry Test

- ❑ SIFMA is working with Reg SCI test entities to develop a common framework for testing, including test timeline, test symbols and test structure

    - ❑ Reg SCI entities will use this framework to develop test outlines for their SCI testing

    - ❑ The test framework will be posted on SIFMA's website once done

    - ❑ This framework **only applies to Reg SCI testing**

    - ❑ Reg SCI entities who also participate in the Industry Test will provide test guidance through the Summary of Components document on the SIFMA website

- ❑ Firms who are not designated testers with Reg SCI entities will be able to continue to test though the SIFMA classic connectivity test with Reg SCI entities

- ❑ The SIFMA industry test will continue to provide connectivity testing with market infrastructure and service providers who are not in scope for Reg SCI

Registration: Reg. SCI vs. SIFMA Test

❑ Reg SCI and the SIFMA Industry Test follow **separate registration models**

❑ **Reg SCI test entities** designate mandated testers bilaterally and communicate directly with them. All notifications should have been sent by mid-June

❑ **SIFMA Industry Test Participants** chose which test entities they would like to connect with, and register with them through the SIFMA site.

   ❑ Firms who are have been designated SCI testers by a given SCI entity do not need to also register for the SIFMA industry test with that entity

   ❑ Firms do not use the SIFMA registration system to register for SCI testing

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Registration Guide - Reg. SCI vs. SIFMA Test

Firm Situation	Registration Action
Designated by a Reg SCI Entity to test with them	Work directly with that entity, do **NOT** register to test against them in SIFMA connectivity database
Want to test with DTCC family (NSCC, FICC, Omgeo), firm is not a DTCC designated Reg. SCI Tester	DTCC family is not participating in 2016 industry test due to Reg SCI conflicts; contact your relationship manager for alternative testing arrangements
Want to test with OCC, firm is not an OCC designated Reg. SCI Tester	Firms who were not designated to participate as RegSCI testers are encouraged to participate in the SIFMA Test in the same manner as OCC's RegSCI designated participants. OCC encourages testing beyond the classic SIFMA Ping test and we would like to see firms send and receive actual data during the test. Connectivity testing is a required pre-requisite for participation in the Industry Test on Oct 15.
Want to test with any other Reg SCI entity, firm is not designated for Reg SCI Testing with them	Register to test with them in SIFMA industry test through SIFMA registration website
Want to test with a non Reg SCI entity (i.e. market data, FX, payments)	Register to test with them in SIFMA industry test through SIFMA registration website

PARTICIPANT ENTITIES IN INDUSTRY TEST

Equities
BATS BZX
BATS BYX
BATS EDGA
BATS EDGX
Chicago Stock Exchange
NASDAQ
NYSE ARCA
NYSE MKT
NYSE
OTC Link ATS

Options
BATS BZX Options
BATS EDGX Options
BOX Options Exchange
CDCC
Chicago Board Options Exchange
ISE
MIAX
Montreal Exchange
NASDAQ OMX PHLX
NYSE AMEX
NYSE ARCA
Options Clearing Corp

Payment Systems
Fedwire
CHIPS
SWIFT

Fixed Income

Alternative Trading Systems
  BondDesk
  Tradeweb Markets LLC
  MarketAxess
  TMC Bonds LLC
  Bloomberg TOMS

Inter-Dealer Brokers
  ICAP
  Tullett Prebon
  Dealerweb
  NASDAQ OMX eSpeed

Clearing Banks
  BNY Mellon
  JP Morgan Chase
  CDCC

Market Data
Bloomberg
eSignal
FactSet
Fidessa
Interactive Data
OTC Markets Group
SIX Financial Information
Thomson Reuters

Service Bureaus
Broadridge (BPO, BPS, ICI)
Fidessa
LavaFlow ECN
FIS Phase 3
FIS Valdi
Thomson Reuters BETA
ReadQ
Shadow Financial
Flex Trade Systems
Talisys
SS&C Tech (Lightning)

FX
Bloomberg Tradebook
Bloomberg FXGO
Hotspot
CLS
Thomson Reuters Fxall
Traiana

Clearing & Settlement
DTCC family not participating in 2016 due to Reg SCI conflicts

Treasuries
US Treasury Auctions

Draft List of Expected Participants

QUESTIONS

Questions regarding the overall test:

    Charles De Simone (SIFMA), cdesimone@sifma.org, 212-313-1262

Questions regarding individual exchanges, markets and utilities involved in the SIFMA industry test should be directed to the contacts listed in the *Summary of Test Components* for each organization.