



Cboe Integration Update

Integration Call

Cboe is pleased to announce it will conduct its next customer integration call at 11:30 a.m. CT on January 9, 2018 to update customers regarding the migration of both **CFE** and **C2** trading platforms to Bats technology as well as the CSMI Index data feed migration to NY5. During the call, we will update details regarding our data center strategy, the integration timeline, key transition dates, and additional information.

To access the event please use the following credentials:

Dial-In (Toll Free): 1-877-883-0383

Dial-In (International): 1-412-902-6506

Participant Code: 8354480

(Participants should dial in 10-15 minutes early to join the conference)

Access the event via webcast: <https://services.choruscall.com/links/cboe180109xplMczTy.html>

Platform Integration Schedule

CFE, C2 Options and Cboe Options will be migrated to Bats technology in this order. The CFE and C2 Options Integration Schedules are outlined below. The Integration Schedules for Cboe Options will be provided at a later date to be determined.

CFE Integration Schedule (**COMPLETE**)

Target Date*	Milestone
03/30/17	An updated Technical Integration FAQ has been made available regarding exchange-specific functionality for CFE at http://www.cboe.com/BatsIntegration/cfe . Updated topics covered will include connectivity, certifications, market data, and billing.
05/01/17	Updated technical specifications for CFE will begin to be made available at http://www.cboe.com/BatsIntegration/cfe as will a Platform Change Matrix summarizing any platform feature updates to be aware of related to the technology migration.
07/03/17	CFE TPHs may begin to request access to the Customer Web Portal which will provide tools for ordering physical and logical connectivity per the integration schedule. The Customer Web Portal also contains other tools that can be utilized to manage firm features associated with the Bats production platform.
07/03/17	Firms may begin ordering new physical connectivity directly into the latency-equalized network infrastructure for the new CFE production trading platform.

09/01/17	CFE TPHs may begin ordering logical ports within the new certification environment.
09/01/17	Basic connectivity testing available using new CFE certification logical ports accessing the certification environment in NY5.
09/14/17	CFE certification logical ports can be used for heartbeating and limited functional testing of the Bats technology platform within the certification environment in NY5.
10/02/17	Full functional testing of the new trading platform within the certification environment will be available. Certification testing may begin to be scheduled with the CFE Trade Desk.
10/02/17	Logical order entry ports will be created on the new production trading platform for every login that exists on the current production trading platform for CFE effective this date. A single FIX Drop port will be created for every firm as well. CFE TPHs may begin ordering additional logical ports or requesting unnecessary ports be deleted within the new production environment. TPHs will be required to audit their production sessions to ensure they have a desirable number prior to the migration to the Bats production platform.
10/02/17	Basic connectivity testing available for new CFE production logical ports accessing the Bats production platform in NY5.
10/16/17	New CFE production logical ports can be used for heartbeating and functional testing of the Bats production platform in NY5.
11/06/17	Daily (Sunday-Friday) trading of TEST SYMBOLS ONLY in production in new CFE NY5 production environments.
11/18/17	Weekend test opportunity in new CFE production environment.
12/06/17	Basic connectivity testing available for new CFE DR logical ports at 400 S. LaSalle.
12/09/17	Weekend test opportunity in new CFE production environment.
01/20/18	Weekend test opportunity in new CFE production environment.
02/10/18	Weekend test opportunity in new CFE production environment.
02/24/18	Final Weekend Test/Dress Rehearsal before go-live of CFE in NY5.
02/25/18	Completion of CFE migration to Bats technology in NY5.

* While target dates are subject to change, any updates will be communicated to TPHs/Members via email, on the Cboe (cboe.com) website and at <http://www.cboe.com/batsintegration/cfe>.

C2 Integration Schedule (COMPLETE)

Target Date*	Milestone
06/07/17	C2 migration timeline and FAQs available on integration website.
09/01/17	Technical specifications distributed to clients and available on integration website.
10/13/2017	Feature Pack 1 to be released on the BZX Options and EDGX Options Exchanges in support of migration of C2 to the Bats technology (<i>pending regulatory approval</i>).
11/01/17	C2 certification logical ports can be used for heartbeating and limited functional testing of the new technology platform within the certification environment in NY5.
12/04/17	Full functional testing (order entry, market data, drop, etc.) of the new trading platform within the certification environment will be available. Certification testing may begin to be scheduled with the Cboe Trade Desk.
01/05/18	Feature Pack 2 to be released on the BZX Options and EDGX Options Exchanges in support of migration of C2 to the Bats technology (<i>pending regulatory approval</i>).
02/05/18	Logical order entry ports will be created on the new production trading platform for every login that exists on the current production trading platform for C2 effective this date. A single FIX Drop port will be created for every firm as well. C2 TPHs may begin ordering additional logical ports or requesting unnecessary ports be deleted within the new production environment. TPHs will be required to audit their production sessions to ensure they have a desirable number prior to the migration to the new production platform.
02/24/18	Weekend test opportunity in new C2 production environment.

03/05/18	Daily (Monday–Friday) trading of TEST SYMBOLS ONLY in new C2 NY5 production environment.
03/17/18	Weekend test opportunity in new C2 production environment.
04/14/18	Weekend test opportunity in new C2 production environment.
05/12/18	Weekend test opportunity in new C2 production environment.
05/14/18	Completion of C2 migration to new technology.

* While target dates are subject to change, any updates will be communicated to TPHs/Members via email, on the Cboe (cboe.com) website and at <http://www.cboe.com/batsintegration/c2>.

CSMI Index Data Feed Migration Schedule (**COMPLETE**)

Target Date*	Milestone
09/09/17	Certification Network Connectivity Available
10/02/17	Production Network Connectivity Available
10/30/17	Phase 1 – Certification Test Data Available
12/11/17	Phase 1 – NY5 Production Parallel Period Begins*
01/22/18	Phase 1 - NY5 Production Becomes Primary*
02/02/18	Phase 1 - Final Date of NY4 Platform Availability*
03/26/18	Phase 2 - CSMI Feed Split from 2 to 5 Feeds

* While target dates are subject to change, any updates will be communicated to TPHs/Members via email, on the Cboe (cboe.com) website and at <http://www.cboe.com/batsintegration/index>.

Technical Reference Documents

Most CFE, C2 Options and Cboe Options order types will continue to be supported on Bats technology, based on customer demand. Details regarding CFE and C2 functionality have been noted within the following Bats technical specifications, FAQs and respective Platform Change Matrix. Cboe Options functionality will be provided in updated technical specifications at a later date to be determined.

CFE

- [CFE Technical Integration FAQ](#)
- [CFE Platform Change Matrix](#)
- [CFE FIX Implementation Guide](#)
- [CFE BOE Implementation Guide](#)
- [CFE PITCH Implementation Guide](#)
- [CFE FIX Specification](#)
- [CFE BOE Specification](#)
- [CFE Risk Management Specification](#)
- [CFE Opening Process](#)
- [Secure Web API](#)
- [CFE Multicast PITCH Specification](#)
- [CFE Multicast TOP Specification](#)
- [US Connectivity Manual](#)
- [US Extranet Manual](#)

C2

- [C2 Technical Integration FAQ](#)

- [C2 Platform Change Matrix](#)
- [US Options FIX Specification](#)
- [US Options BOE Specification](#)
- [US Options Risk Management Specification](#)
- [US Options Clearing Editor Specification](#)
- [US Options Web Port Port Controls Specification](#)
- [US Options Single Leg Opening Process](#)
- [US Options Complex Book Process](#)
- [Secure Web API](#)
- [Cboe Symbology Reference](#)
- [US Options Multicast PITCH Specification](#)
- [US Options Complex Auction Multicast PITCH Specification](#)
- [US Options Complex Multicast TOP Specification](#)
- [US Options Complex Multicast PITCH Specification](#)
- [US Connectivity Manual](#)
- [US Extranet Manual](#)

CSMI Index Data Feed

- [CSMI Specification](#)
- [Connectivity Manual](#)

Additional Information

Please contact the CFE Trade Desk, Cboe Trade Desk, Cboe Operations Support Center, or your Sales Account Manager with any questions. Additionally, you may refer to the integration website for more details at <http://www.cboe.com/batsintegration> or for platform specific information at:

- CFE: <http://www.cboe.com/batsintegration/cfe>
- C2: <http://www.cboe.com/batsintegration/c2>
- Index: <http://www.cboe.com/batsintegration/index>

We appreciate your continued support and will work hard every day to keep earning your business by powering your potential to stay ahead of an evolving market. As always, we are committed to our customers and to making markets better as your partner in trading.

CFE Trade Desk

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Cboe Trade Desk

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Cboe Operations Support Center (CSMI Index Data Feed questions)

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