

Unofficial Translation

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Document	Type	Announcement
	No	2019 / 69
	Subject	Member Tests for BISTECH System 2.10 Version Transition
	Approval date	25 / 10 / 2019
	From	Information Technology Directorates, Market Directorates
	To	Members, Data Vendors and Independent Software Vendors (ISVs)

To Whom It May Concern,

The new version of BISTECH System 2.10, in which the Equity Market (EQ), the Futures and Options Market (DT), the Debt Securities Market (BAP) and the Precious Metals and Diamond Market (KMTP) work together, is planned to go live as of **16 December 2019**.

BISTECH Member Free Test Environment will be updated on November 4, 2019 with the release of 2.10 and the new version is expected to be tested and checked by you prior to deployment.

Information on access to test environment can be found under the heading “Test Environments Information Document” at the following link:

<https://www.borsaistanbul.com/en/bistechsupport/technical-documents>

In this context;

- 1) FIX API protocol documents have been updated as part of the improvements. The relevant changes have been added to the “Revision History ”section of the document and are also listed below;
 - a) In the FIX API Order Entry (FIX OE) and FIX API Drop Copy (FIX DC) documents, a new value is added to the “TradeReportReason (tag = 21106)” field in the “Trade Capture Report (MsgType = AE)” message.
 - b) New values have been added to the “FixedIncomeType (tag = 21058)” field in the FIX API Reference Data (FIX RD) document “Security Definition (MsgType = d)” and “Security Definition Update Report (MsgType = BP)” messages.
 - c) “BISTECH FIX Data Dictionary” has been updated and repeated tag record in “Security Definition (MsgType = d)” message has been corrected.

FIX API documents are accessible from <https://www.borsaistanbul.com/en/bistechsupport/technical-documents> under the tab "BISTECH Phase 2+ (EQ+DT+ BAP + KMTP)".

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- 2) If the ITCH API protocol does not terminate the connection by the member immediately after the “End of Snapshot (Value - G)” message sent as the last message in response to GLIMPSE requests, the connection will be disconnected by the system. Although there is no change in the message contents of the GLIMPSE document, the annotation is included in the document due to application change.
- 3) Equity Price in the Equity Repo Market will be determined as the last transaction price realized in the related stock in the Equity Market. In this way, orders in the market can be transmitted only by entering the repo rate information without entering the price information of the share subject to the repo transaction.
- 4) The TIP Protocol has been updated as part of the improvements. The relevant changes have been added to the “Revision History” section of the document and are also listed below;
 - a) AllocationPrice (Ap) message has been added to publish “Allocation Price” information.
 - b) The PriceQuotationFactor (PQf) field is added to the BasicDataDerivative (BDDe) message in order to publish the “Price Quotation Factor” information.
 - c) In the BasicDataFixedIncome (BDFi) message, TLREFLinkedBondsSimpleWeightedAverage, TLREFLinkedBondsCompounded, TLREFLinkedBondsIndexBased are added to the data published in the FixedIncomeType (BTy) field.

The TIP Protocol document can be accessed under the heading TIP Protocol Technical Specification Document under the “BISTECH PHASE 2+ (EQ + DT + BAP + KMTP)” tab on <https://www.borsaistanbul.com/en/bistechsupport/technical-documents> .

- 5) The PTRM application has been updated. The following new features have been added to the PTRM application ;
 - a) Green / red light indicator to track user connections
 - b) Participant and user based kill switches
 - c) Providing entrant / approver structure in limit definition
 - d) New type was added to restricted instrument

In order to open the new version of PTRM, the preinstalled old versions, if any, must be deleted by following these steps:

- All browsers must be turned off. (chrome, ie, etc ..)
- Open 'Windows-> run-> cmd' and run “javaws –uninstall” command.

Once the old versions have been deleted, members can access to the new version via the PTRM links at <https://connect.borsaistanbul.com/> . There will be no changes to the PTRM access links.

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6) Trading Workstation (TW) application for EQ, DT and BAP connections has been updated. The following new features have been added to the application :

- a) It is ensured that descriptive messages are displayed when wrong user name or password is entered and connecting to TW with a different version than the current version.
- b) Detailed information about repo securities notification is added to the “Repo MK Notification Status” window.

With the new version of TW application, “Delete Log Files” option will be checked at the first login to the system. The new version of the TW application can be accessed at <https://www.borsaistanbul.com/en/bistechsupport/client-applications> (Phase 2+ Pre-Prod Test Environment (10.57.3.8)).

7) The GIW application used by KMTP members has been updated. The following new features have been added to the application :

- a) It is provided to display forward value orders differently from T+0 valued transactions.
- b) The In and Out Transaction Report tabs have been removed, and replaced with a new feature that allows the selection of transaction report type from a list.
- c) Advertising Orders, where the ordering party information also appears, which are converted into a one-to-one transaction report when matched, will be opened for testing. The commissioning date of this order type will be announced .
- d) Some price statistics and some new information columns for the related series are added to the Instruments Screen.
- e) User ID and User Name columns are added to Order Book, Order History and Transaction History screens.
- f) Tests will be carried out for different order types and / or single-side transactions of a certain product group (eg non-standard) and configuration changes may be made within the member test plan. The commissioning of these features will also be announced.

For all questions and problems on the subject please feel free to contact bistechsupport_autoticket@borsaistanbul.com.

Kindly submitted to your information.

Yours Sincerely,

Ali ÖMÜRBEK
Executive Vice President

Ali Işık
Executive Vice President