

A large, stylized graphic of a bull's head, composed of various shades of teal and dark green, filling the right and bottom portions of the page. The bull is facing left.

# CEESEG FIX Delivery notes

Version F12.0 for T7 12.0  
September 2023

## Revision history

22.6.2023	Vit Prochazka	<input type="checkbox"/> Initial version
1.9.2023	Vit Prochazka	<input type="checkbox"/> Added MiFID II / MiFIR Stricter Validations
21.9.2023	Roland Rotsejdl	<input type="checkbox"/> Added 12.0 Issues, Review
25.09.2023	Roland Rotsejd	<input type="checkbox"/> 2 <sup>nd</sup> review

## Solved Issues

### Item # WB-253: MiFID II / MiFIR Stricter Validations

**Change:** T7 Release 12.0 introduces Stricter Validations of MiFID II / MiFIR fields. The checks are not enforced by CEESEG FIX, but by the trading system itself. Anyhow they are pointed out here because they are relevant information for your fix message preparation.

**Solution:** The FIX clients need to adhere to the new requirements and supply required data:

#### Part 1: Executing Trader

The group NoPartyIDs with PartyIDSource = **P** and PartyRole = **12** (Executing Trader) is mandatory for all Order Capacities in the following messages:

- Order Entry (MsgType=D)
- OrderCancelRequest (MsgType=F)
- OrderCancelReplaceRequest (MsgType=G)
- TradeCaptureReport (MsgType=AE) for block trade reporting (for OTC optional)
  - here referring to own side of the trade, i.e. first group NoSides
- TradeCaptureReportAck (MsgType=AR) for block trade reporting (for OTC optional)
  - here referring to own side of the trade, i.e. first group NoSides
- MassQuote (MsgType=i)
- Quote (MsgType=S)
- QuoteCancel (MsgType=Z)

Further requirements:

- The value 0 (zero) in field PartyID is no longer allowed
- PartyID must be numeric limited to 19 characters (limitation for MiFID Short Codes)
- Field PartyRoleQualifier must be delivered to distinguish Natural persons from Algorithms, if PartyRoleQualifier is Algo, Executing Trader is mandatory, if Human, Executing Trader is optional.

#### Part 2: Investment Decision Maker

The group NoPartyIDs with PartyIDSource = **P** and PartyRole = **122** (Investment Decision Maker) is mandatory for Order Capacities

- P = Principal
- D = Designated Sponsor/MM
- I = Issuer

in the following messages:

- Order Entry (MsgType=D)
- OrderCancelRequest (MsgType=F)
- OrderCancelReplaceRequest (MsgType=G)
- TradeCaptureReport (MsgType=AE) for block trade reporting (for OTC optional)
  - here referring to own side of the trade, i.e. first group NoSides
- TradeCaptureReportAck (MsgType=AR) for block trade reporting (for OTC optional)
  - here referring to own side of the trade, i.e. first group NoSides

- MassQuote (MsgType=i)
- Quote (MsgType=S)
- QuoteCancel (MsgType=Z)

Further requirements:

- The value 0 (zero) in field PartyID is no longer allowed
- PartyID must be numeric limited to 19 characters (limitation for MiFID Short Codes)
- Field PartyRoleQualifier must be delivered for order capacities P / D/ I to distinguish Natural persons from Algorithms (if PartyRoleQualifier is Algo, InvestmentDecisionMaker is mandatory, if Human, InvestmentDecisionMaker is optional)
- For other Order Capacities the PartyRoleQualifier is optional, but if PartyRoleQualifier Algo, InvestmentDecisionMaker is mandatory, if Human, InvestmentDecisionMaker is optional.

### **Part 3: ClientID**

The group NoPartyIDs with PartyIDSource = **P** and PartyRole = **3** (ClientID) is mandatory for Order Capacities

- A = Agency
- R = Riskless Principal

in the following messages:

- Order Entry (MsgType=D)
- OrderCancelRequest (MsgType=F)
- OrderCancelReplaceRequest (MsgType=G)
- TradeCaptureReport (MsgType=AE) for block trade reporting (for OTC optional)
  - here referring to own side of the trade, i.e. first group NoSides
- TradeCaptureReportAck (MsgType=AR) for block trade reporting (for OTC optional)
  - here referring to own side of the trade, i.e. first group NoSides

Further requirements:

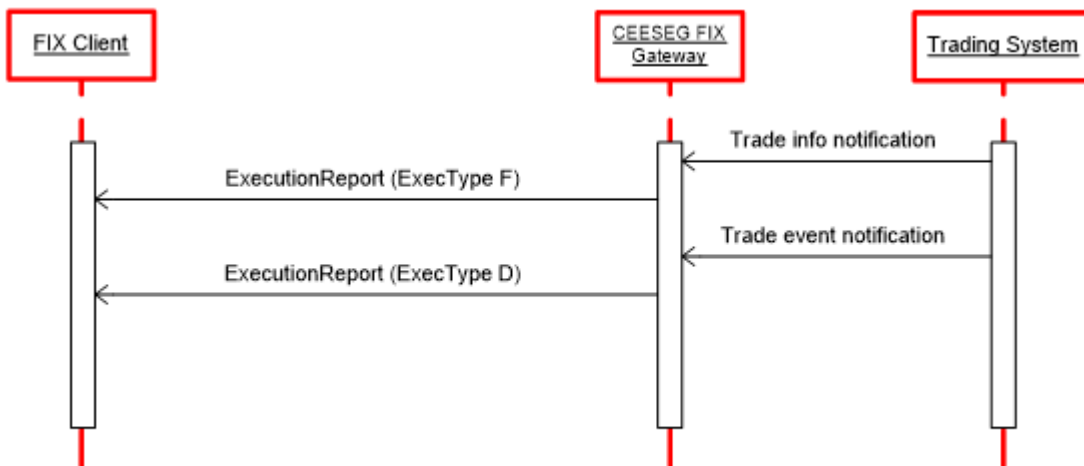
- The value 0 (zero) in field PartyID is no longer allowed
- PartyID must be numeric limited to 19 characters (limitation for MiFID Short Codes)
- For other Order Capacities this NoPartyIDs group is not allowed

## Items # WB-41: Refactor Quote Execution Reports

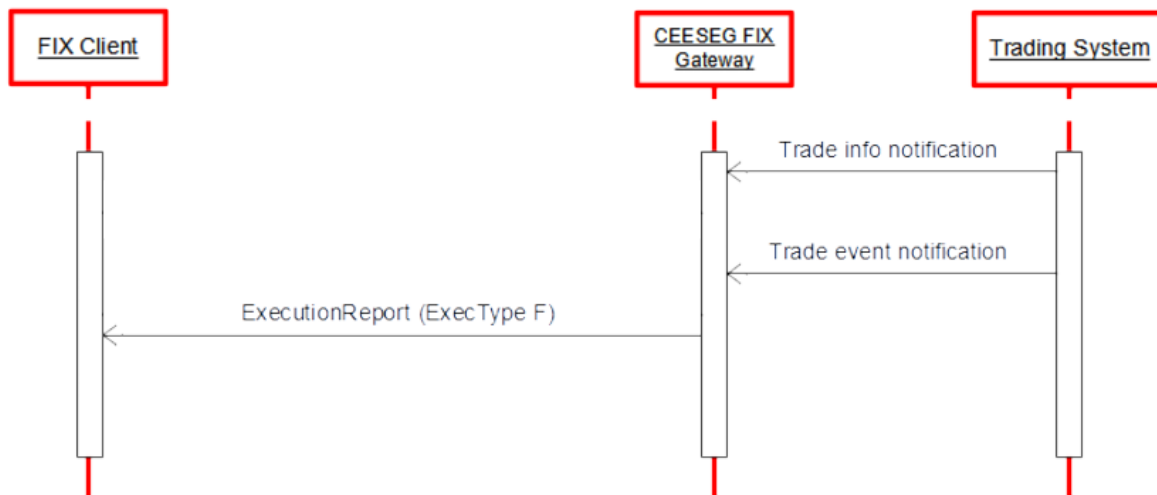
**Problem:** The existence of two sets of Quote Execution Reports (ExecType F and ExecType D) was causing confusion. Field GrossTradeAmt in the second set had wrong contents in some situations.

**Solution:** The two sets of Quote Execution Reports (ExecType F and ExecType D) have been unified to only one set (ExecType F) with a 1:1 relationship between the Execution Reports and the Trades.

### Behaviour until Version F12.0:



### Behaviour up from Version F12.0:



### Items # WB-217 Issue with GrossTradeAmt

**Problem:** Related to WB-41 – previous way of Execution Reports distribution for Quote executions, in rare scenarios the GrossTradeAmt was wrongly calculated.

**Solution:** The population of field GrossTradeAmt has been fixed.

### Items # WB-247 ExecType Issue

**Problem:** In rare scenarios, when an ordermodification was processed by the trading system at virtually the same time as the order was executed, the ExecutionReports for both events were consolidated. i.e. The ExecutionReport transported the new quantities after the execution but also had ExecType = E (Pending Replace)

**Solution:** The population of ExecutionReports has been fixed.

### Items # Connect-01 New production server certificate.

**Description:** CEESEG FIX connections are encrypted using TLS. In the production environment, currently two server certificates are used. One with 1024 bit key length and a newer one with 2048 bit key length. The old 1024 bit key length certificate will be removed with the roll out of version F12.0. We are sending the 2048 bit certificate with this circular. If you already use this certificate in your production authentication, you don't have to change anything. If not, you are probably using the 1024 bit key and need to upgrade to the new certificate. If you have questions, please do not hesitate to contact [it\\_helpdesk@wienerboerse.at](mailto:it_helpdesk@wienerboerse.at).

### Items # Connect-02 Port numbers in simulation and production

**Description:** Your four digit CEESEG FIX connection destination port will change in simulation and production environment, so that the last digit is always 0. That means if your port today is 1234, with this release it will change to 1230.

When your port is 8511, it will change to 8510 etc. If you have questions, please do not hesitate to contact [it\\_helpdesk@wienerboerse.at](mailto:it_helpdesk@wienerboerse.at).