

Elasticia Release 2.0

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1. Highlighted Changes

- FIX Classic (tag-value) is available as message encoding, in addition to FIX FAST.
- New functionality: Quote on Demand.
- Improved site failover, and repeatable order, quote and trade operations.
- Longer FIX retransmission history for FIX sessions.

Important

FIX Sessions will have new login details (SenderCompID, TargetCompID, Username and Password).

2. Documents

- **NGM Market Model**
 - marketmodel-1.13.0.pdf (new)
- **NGM Instrument Schema**
 - instrument-schema-2.1.0.xsd
 - instrument-schema-2.1.0.pdf
- **NGM FIX Protocol**
 - fix-protocol-2.0.0.pdf (new)
- **NGM FAST Templates**
 - fast-templates-2.0.0.xml (new)

3. Changes in Market Model 1.13.0 since 1.12.x

- Restructure text and updated template.
- Remove suspended order.
- Remove official day statistics (use day).
- Update Pre-Trade Control values.
- Rename "Circuit Breaker" to "Volatility Guard".
- Volatility Guards and PTC values now take currency into account, with a factor 10 between SEK/DKK/NOK and EUR/USD.
- Update Tick Size section on decimal precision.
- Correct Order Protection Mode example with IOC orders.
- Rename "Order Protection Auction" to "Market Maker Missing Auction".

- During trade halts spanning over several trading sessions or days, new closing prices etc. may be published.
- Correction regarding PTC reference price for ETP segments.

4. Changes in FIX Protocol 2.0.0 since 1.18.x

Note

The FAST templates have been updated according to the changes in the FIX protocol.

4.1. FIX Classic

FIX Classic (tag-value) is available as message encoding, in addition to FIX FAST.

4.2. Max String Length

Changes in maximum string length:

- ClientOrderID 32 bytes
- QuoteMsgID 32 bytes
- TradeReportID 32 bytes
- Account 255 bytes
- PartySubID person in one-party-for-pass-thru trades, 255 bytes

4.3. Standard Header

Removed fields SenderSubID, TargetSubID, OnBehalfOfSubID and DeliverToSubID. Replaced by short code executing trader in the Parties block in orders, quotes and trades.

Added field BeginString (8) with value "FIXT.1.1".

Changed DefaultAppVerID (1137) from "FIX50SP2" to "FIXLatest".

4.4. PartyID

PartyRole EnteringFirm has been removed.

4.5. Repeatable Order, Quote and Trade

Order, Quote and Trade operations are now idempotent, and may be resent and still be executed only once. This will serve as a (faster) complement to full snapshot recovery, for connection and application failures.

Idempotency is guaranteed the last rolling 24 hours, and requires unique (per security) client-assigned ClOrdID, QuoteMsgID and TradeReportID within the last 24 hours (plus approx 10% margin).

4.6. Quote on Demand

Quote on demand is a mechanism where an order can initiate a private auction, separate from the central limit order book matching. A Quote Request is sent to the market makers for the security.

Added field AuctionType (1803) to the Order component block. Added enum value SweepOrderBook ('d') to ExecInst (18). Added fields OrderQty (38) and Side (54) to the QuoteRequest message, while the field QuoteID (117) was made optional.

4.7. Trade

Canceled confirmed trades are now included in snapshots.

Now user only sees one TradeCaptureReport if the user has the rights to see both sides of the trade. Previously two "one sided" TradeCaptureReports were sent instead.

Outbound trades will contain ISIN, Currency and MIC in added fields NoSecurityAltID (454), SecurityAltID (455), SecurityAltIDSource (456), Currency (15) and LastMkt (30).

Renamed misspelled field name for FIX tag 1115 from OrdCategory to OrderCategory.

Changed values from int to char for OrderCategory (1115) to comply with the FIX standard. New value: PrivatelyNegotiatedTrade: '3'.

4.8. Order

FoK order that breaches volatility guard (circuit breaker) is now canceled, instead of rejected. Removed value NotAllowedToBreachCircuitBreaker (106) from OrdRejReason (103) and ClxRejReason (102). Added value VolatilityGuard (101) to ExecRestatementReason (378).

Random reserve orders are no longer supported. Related fields and values are removed. Remove enum value Random (3) from field DisplayMethod. Remove fields DisplayLowQty (1085), DisplayHighQty (1086) and DisplayMinIncr (1087).

Suspended orders are no longer supported. Removed related values Suspend (S) and SuspendOnConnectionLoss (p) from field ExecInst (18). Removed value Suspended (9) from ExecType (150). Removed value Suspended (9) from OrdStatus (39). Removed values SuspendedNotAllowedInKnockoutBuybackState (102) and SuspendedNotAllowedInDistributionState (105) from OrdRejReason (103) and ClxRejReason (102).

Also removed value OrderRejectedByKillSwitch (112) from OrdRejReason (103) and ClxRejReason (102). Also added values BookCleared (100) and TradingRulesChanged (102) to ExecRestatementReason (378).

4.9. Quote

Removed enum value RemovedFromMarket (6) from QuoteStatus. Canceled (17) is used instead.

Removed field QuoteResponseLevel (301). Only AcknowledgeAllQuotes (2) is supported.

Moved field BidSize (134) and OfferSize (135) from QuoteStatusReport (7) into QuoteGrp. It is now possible to update quote quantities using available quantity (BidSize and OfferSize), as an alternative to using the original total quantity (TotalBidSize and TotalOfferSize).

4.10. QuoteRequest

Added optional field QuoteMsgID (1166).

4.11. UserSecurityStatusUpdateRequest and Response

Removed value SoftKnock (2) and Protection (5) from FinancialStatusUpdateType (20038). SoftKnock has been removed and Protection is no longer exposed this way.

Added value Recalculated (6) to FinancialStatusUpdateType (20038).

Removed field FinancialStatus (291) from UserSecurityStatusUpdateResponse. This value can be obtained from SecurityStatus in market data.

4.12. MDEntry

Trade market data entries with hidden parties information, now have null (absent) values in MDEntrySeller and MDEntryBuyer, instead of "[N/A]".

Removed enum value NotDuringContinuousTrading (X1) from TradeCondition.

Enum value LargeInScale (XLI) that is used in TradeCaptureReport, is now also present in MDEntry.

Renamed misspelled field name for FIX tag 1115 from OrdCategory to OrderCategory.

Changed values from int to char for OrderCategory (1115) to comply with the FIX standard. New value: PrivatelyNegotiatedTrade: '3'.

4.13. MDStatScope and TradingSessionID

Removed after hours trading session.

Removed field TradingSessionID (336).

Removed value OfficialDay (3) from MDStatScope. Use Day (2) instead.

4.14. SecurityStatus

Removed enum value KnockoutSoft (Y) from FinancialStatus (291).

Added (unscheduled) Generic Auction (G) to FinancialStatus (291).

Added ScheduledAuction (103) to SecurityTradingStatus (326).

Removed fields InViewOfCommon (328) and DueToRelated (329).

4.15. HaltReason

Changed HaltReason (327) values from ASCII char enumeration to FIX "Reserved100Plus" to comply with the FIX standard. New values: RegulatoryHalt: 100, Other: 101.

4.16. OrderOrigination

Changed OrderOrigination (1724) values from ASCII char enumeration to int to comply with the FIX standard. New value: DEA: 5.

4.17. SecurityMassStatusRequest

Changed FIX message type for SecurityMassStatusRequest from NGM-ex to CN to comply with the FIX standard.

4.18. Circuit Breaker / Volatility Guard

"Circuit Breaker" has been renamed to "Volatility Guard" in descriptions and enum names.