

To: FIX User Community

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Subject: **FIX Protocol 3.0 Release Notes**

Attached is the latest FIX Protocol specification (Version 3.0) which addresses the changes requested since the publication of Version 2.7 on July 15, 1994.

Changes in this release include:

1. Corrected Checksum calculation in Appendix B (reflected in interim release 2.7a).
2. BodyLength(9) field description modified to remove the words "and including" (reflected in interim release 2.7a).
3. Various typographic and grammar error corrections (reflected in interim release 2.7a).
4. Defined new field, IOIQualifier(104), and included in IOI message as optional.
5. Revised Execution message removing 'OrdStat = New' conditional requirement from the LastShares(32), LastPx(31), CumQty(14) and AvgPx(6) fields.
6. New field, WaveNo(105), defined and added to Order-List, List Cancel Request, List Execute, List Status Request, List Status and Allocation messages as optional.
7. Description of User Defined Fields added to Message Exchange section of the Session Protocol.
8. Removed range restrictions from all price fields and updated float data type description.
9. Added additional enumerations to the IDSource(22) field.
10. Defined new fields Issuer(106) and SecurityDesc(107) and added, as optional, to all messages containing the Symbol(55) field to aid in security identification.
11. Defined new field ClientID(109) and added it and ExecBroker(76) to the Order-Single, Execution, Cancel Request, Cancel/Replace Request, Cancel Reject, Status Request, Allocation and Allocation Ack messages to aid in firm identification in third-party transactions.
12. Defined new field HeartBtInv(108) and added to the Logon message as mandatory.
13. Execlnst(18) field use changed from repeating tag-value occurrences to space delimited strings.
14. Removed DOT/manual only restrictions from Execlnst(18).
15. Clarified need to redeclare all Execlnst(18) when issuing Cancel/Replace requests.
16. Added new enumeration P (pegged) to OrdType(40) field. Pegged orders require and Execlnst(18) = L, R, M, P or O.
17. Enumerations for the Execlnst(18) expanded to include:
 - L = Last peg
 - R = Primary peg

M = Mid-price peg
P = Market peg
O = Opening peg
I = Institutions only
N = Non-negotiable
S = Suspend

18. OrdStatus(39) enumerations expanded to include 9 = Suspended and A= Pending New. Descriptions of the use of these values were added to the Execution description section.
19. Defined new fields, MinQty(110) and MaxFloor(111), which were added to the Order-Single, Cancel/Replace Request and Order-List messages as optional.
20. Clarified the use of the delimiter character in the General Message Format section.
21. The date and time field descriptions were updated to indicate that all values should be expressed in GMT.
22. The Side(54) field description was modified to remove the Traded and Crossed enumerations.
23. The ExDestination(100) and LastMkt(30) field descriptions were modified to correspond to the Reuters exchange mnemonics. (Appendix C was added which lists the valid values.) removed Instinet as an eligible ExDestination.
24. The HandInst(21) field description was modified to change the "DOT" reference to "Automated Execution".
25. Order identification in the Cancel Request, Cancel/Replace Request and Cancel Reject messages was modified for clarity. Specifically the CxlReqOrdId(101) field was removed from the Cancel Request and Cancel Reject messages and the OrigClOrdID(41) field added. The use of the OrigClOrdID(41) and ClOrdID(11) fields in the Cancel Request and Cancel Reject messages was modified for consistency with the Cancel/Replace message.
26. Removed any restriction on which party should initiate and accept connections in the Session Protocol section.
27. Expanded the number of fields eligible for modification through the Cancel/Replace Request message.
28. Modified the message header to allow encryption of the SenderSubID(50) and TargetSubID(57) fields.
29. Various typographic and grammar error corrections.