XDP BBO CLIENT SPECIFICATION

Global OTC BBO FEED

Preface

DOCUMENT HISTORY

The following table provides a description of all changes to this document.

Version No.	Date	Change Description
1.5	07/12/2013	Overview amended
1.6	08/20/2013	Addition of the RPI field and clarifying statements within QuoteCondition field
2.0	09/24/2013	Several updates to section 2.1 Message Structure
2.1	11/06/2013	Removal of Quote Conditions values in Section 2.1 Message Structure
2.2	11/29/2013	Note added to table 5 in section 2.1
2.3	09/26/2014	Re-branded for ICE/NYSE
2.4	02/04/2015	Added support for Global OTC
2.4a	03/12/2015	Corrected last field in Quote message to Reserved
2.4b	07/10/2015	Updated legal disclaimer for Global OTC on title page
2.4c	07/13/2016	Corrected length of Quote msg for Arca market
2.5	01/11/2019	Removed references to NYSE and ARCA. Corrected Global OTC trading hours.

REFERENCE MATERIAL

The following lists the associated documents, which either should be read in conjunction with this document or which provide other relevant information for the user:

- XDP Common Client Specification

- SFTI US Technical Specification

- SFTI US Customer Guide

- NYSE Symbology

CONTACT INFORMATION

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FURTHER INFORMATION

- For additional product information please visit, https://www.globalotc.com/index

- For details of IP addresses, visit our IP address pages at:
  https://www.nyse.com/publicdocs/nyse/data/IP_Addresses.xls

Contents

1.   Introduction

This real-time low latency product provides top of book quote data for all traded securities at Global OTC. This data is intended for clients who require a direct, unconsolidated feed and timestamps provided directly from the Global OTC matching engine.

1.1   TRADING HOURS

1.1.1   Pre-Opening Session: 3:30 a.m. ET

- Limit orders can be entered and will be queued until the Limit Order Auction at 8 a.m. ET

1.1.2   Opening Session: 8:00 a.m. to 9:30 a.m. ET

- 7:59 a.m. to 8:00 a.m. ET - Opening Auction Freeze Period
- 8:00 a.m. ET - Opening Auction
- 9:29 a.m. to 9:30 a.m. ET - Market Order Auction Freeze Period
- 9:30 a.m. ET - Market Order Auction

Orders that are eligible for the Opening Auction may not be canceled one minute prior to the Opening Session until the conclusion of the Opening Auction.

Market Orders and Auction-Only Limit Orders may not be canceled. Market Orders and Auction-Only Limit Orders may not be entered on the same side as an imbalance.

1.1.3   Core Trading Session: 9:30 a.m. to 4:00 p.m. ET

- 3:59 p.m. to 4:00 p.m. ET - Closing Auction Freeze Period
- 4:00 p.m. ET - Closing Auction Run and Closing Price Disseminated. All Day Orders entered for the core session will be canceled

Market-on-Close (MOC) and Limit-on-Close (LOC) orders cannot be canceled. MOC and LOC orders may not be entered on the same side as an imbalance.

1.1.4   Extended Hours: 4:00 pm to 4:15 p.m. ET

- 4:15 p.m. ET - Limit Orders entered after 4:00 p.m. ET are canceled

1.1.5   Late Trading Session: 4:00 p.m. to 4:15 p.m. ET

1.2   PUBLICATION TIMES

Normal Trading Days (All times are ET)

MsgType	Description	Global OTC
140	Quote Message	8:00am – 4:00pm

Early Closing Days (All times are ET)

MsgType	Description	Global OTC
140	Quote Message	8:00am – 1:00pm

1.3   CONTROL MESSAGE TYPES USED IN THE DATA FEEDS

MsgType	Description
1	Sequence Number Reset
2	Time Reference Message
3	Symbol Index Mapping
10	Retransmission Request Message
11	Request Response Message
12	Heartbeat Response Message
13	Symbol Index Mapping Request Message
15	Refresh Request Message
31	Message Unavailable
32	Symbol Clear
33	Trading Session Change
34	Security Status Message
35	Refresh Header Message

1.4   REFRESH MESSAGE TYPES USED IN THE REFRESH FEED

MsgType	Description
35	Refresh Header Message
3	Symbol Index Mapping
34	Security Status Message
33	Trading Session Change
140	Quote Message

2.   Quote Message – Msg Type 140

A quote message is sent when any event results in a new top of book value on either side of the market.

See the XDP Common Client Specification for details on Symbol Index Mapping and Time Reference messages.

FIELD NAME	OFFSET	SIZE (BYTES)	FORMAT	DESCRIPTION
Msg Size	0	2	Binary	Size of the message
Msg Type	2	2	Binary	The type of message: 140 – Quote Message
SourceTimeNS	4	4	Binary	The nanosecond offset (UTC Time) from the Time Reference message.
SymbolIndex	8	4	Binary	The ID of the symbol in the Symbol Index message.
SymbolSeqNum	12	4	Binary	The symbol sequence number.
Ask Price	16	4	Binary	The Ask price. Use the Price scale from the Symbol Index message.
Ask Volume	20	4	Binary	The aggregate size at the ask price.
Bid Price	24	4	Binary	The Bid price. Use the Price scale from the Symbol Index message.
Bid Volume	28	4	Binary	The aggregtate size at the bid price.
Quote Condition	32	1	ASCII	Valid values: ▪ 'C' - Closing ▪ 'O' - Opening Quote ▪ 'R' - Regular Quote ▪ 'W' - Slow on the Bid and Ask (this symbol is on the Set Slow List) Note: For Global OTC, only condition R is applicable.
RPI Indicator	33	1	ASCII	The side(s) where Retail Price Indication (RPI orders) exist. Valid values are: ▪ ' ' – Space means no Retail Interest (Default) ▪ 'A' – Retail Interest on Bid Quote ▪ 'B' – Retail Interest on Offer Quote ▪ 'C' – Retail Interest on both the Bid and Offer Quote Note: This field is not included for Global OTC
Reserved	34	4	Binary	Reserved for future use.

3.   Product ID

Exchange	Product ID	Description
Global OTC	171	Global OTC BBO