Consolidated Quotes and Trades (CQT)

Product Overview

The **Consolidated Quotes and Trades** feed provides easy and flexible access to high quality and reliable real time streaming data for Nasdaq, New York Stock Exchange (NYSE), and other US regional exchange listed securities—all through the cloud. CQT feed also includes OTC market-listed issues.

In order to match the entitlement structure, this feed will support three outbound channels.
The data set will be channelized based on the listing market of a security.

Channel	Securities Coverage
CTA-A	NYSE-listed issues
CTA-B	NYSE American, NYSE Arca-, CBOE, and U.S. regional stock exchange- listed issues
UTP	Nasdaq-listed issues
OTCBB	OTC market-listed issues

Topic Mapping

Feed	Timing	Topic Name
CQT	Realtime	CQT-CTA-A-V3
		CQT-CTA-B-V3
		CQT-UTPBIN-V3
		CQT-OTCBB-V3
		CQT-OTCM-LEVEL1-V3
		CQT-OTCM-LEVEL2-V3
		CQT-OTCM-FULL-V3
	Delayed	CQT-DELAYED-CTA-A-V3
		CQT-DELAYED-CTA-B-V3
		CQT-DELAYED-UTPBIN-V3
		CQT-DELAYED-OTCBB-V3
		CQT-DELAYED-OTCM-LEVEL1-V3
		CQT-DELAYED-OTCM-LEVEL2-V3

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

		CQT-DELAYED-OTCM-FULL-V3

Publisher

Nasdaq Investment Intelligence is a leading source of market data, global indexes, and investment data and analytics. Powering price discovery and decisions around the globe, our data is distributed to millions of people daily, providing them with innovative real-time and historical information, as well as analytic solutions designed for investors of all sizes and at every stage of the investment lifecycle. To learn more about the company, technology solutions and career opportunities, visit us on LinkedIn, on Twitter @Nasdaq, or at www.nasdaq.com.

Delivery

Nasdaq Cloud Data Service (NCDS) provides a modern and efficient method of delivery for realtime exchange data and other financial information. Data is made available through a suite of APIs, allowing for effortless integration of data from disparate sources, and a dramatic reduction in time to market for customer-designed applications. The API is highly scalable, and robust enough to support the delivery of real-time exchange data.

This repository provides an SDK for developing applications to access the NCDS API. While the SDK is open source, connecting to the API does require credentials, which are provided by Nasdaq during an on-boarding process.

For more information, please use the link- https://github.com/Nasdaq/CloudDataService

Table of Contents

System Event Message 4
Details 4
Schema 5
Sample 5
Quotes 6
Details 6
Schema 8
Sample 9

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

Trades 9
Details 9
Schema 11
Sample 13
Issue Symbol 13
Details 13
Schema 14
Sample 15
Trading Action 15
Details 16
Schema 19
Sample 20
Market Center Trading Action 20
Details 20
Schema 23
Sample 24
NBBO Quote Message 24
Details 24
Schema 27
Sample 28
Limit Up Limit Down (LULD) 28
Details 29
Schema 30
Sample 31
Market Wide Circuit Breaker (MWCB) 31
Details 31
Schema 33
Sample 34
MWCB Decline Level 34
Details 34
Schema 36
Sample 36
Regulation SHO Restriction Indicator 37
Details 37
Schema 38

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

Sample 39
Change control log 39

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

Message Formats

System Event Message

System Event Messages is used to signal key market or data feed control events.

The Stream Event message is used to convey market events published on a specific upstream channel and (optionally) for a specific Market Center.

Details

<table>
<tr><th>Field</th><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>Message Type</td><td>msg_type</td><td>string</td><td>S = System Message</td></tr>
<tr><td>Event Code</td><td>event_code</td><td>string</td><td>Events for which the message is being generated. Possible values:
<table>
<tr><th></th><th></th></tr>
<tr><td>*SOD</td><td>Start of Day</td></tr>
<tr><td>*MKO</td><td>Market Open</td></tr>
<tr><td>*MKC</td><td>Market Close</td></tr>
<tr><td>*EOD</td><td>End of Day</td></tr>
</table>
</td></tr>
<tr><td>Impacted Market Center</td><td>market_center</td><td>string</td><td>Populated if it affects a market center
<table>
<tr><th>Code</th><th>Value</th></tr>
<tr><td>Q</td><td>The NASDAQ Stock Market, LLC</td></tr>
<tr><td>N</td><td>New York Stock Exchange, LLC</td></tr>
<tr><td>B</td><td>NASDAQ BX, Inc.</td></tr>
<tr><td>E</td><td>Market Independent</td></tr>
<tr><td>D</td><td>FINRA Alternative Display Facility</td></tr>
<tr><td>Z</td><td>Cboe BZX Exchange, Inc</td></tr>
<tr><td>T</td><td>The NASDAQ Stock Market, LLC</td></tr>
<tr><td>I</td><td>International Securities Exchange</td></tr>
</table>
</td></tr>
</table>

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

<table>
<tr><td></td><td></td><td></td><td>
<table>
<tr><td>U</td><td>Members Exchange</td></tr>
<tr><td>W</td><td>Cboe Stock Exchange</td></tr>
<tr><td>u</td><td>Other OTC Markets</td></tr>
<tr><td>J</td><td>Cboe EDGA Exchange, Inc.</td></tr>
<tr><td>M</td><td>Chicago Stock Exchange</td></tr>
<tr><td>Y</td><td>Cboe BYX Exchange, Inc.</td></tr>
<tr><td>C</td><td>NYSE National, Inc.</td></tr>
<tr><td>X</td><td>NASDAQ PSX, Inc.</td></tr>
<tr><td>A</td><td>NYSE American, LLC</td></tr>
<tr><td>K</td><td>Cboe EDGX Exchange, Inc.</td></tr>
<tr><td>P</td><td>NYSE Arca, Inc</td></tr>
<tr><td>L</td><td>Long-term Stock Exchange</td></tr>
<tr><td>H</td><td>MIAX Exchange</td></tr>
</table>
</td></tr>
<tr><td>Impacted Market Center</td><td>market_center</td><td>string</td><td>Populated if it affects a market center
<table>
<tr><th>Code</th><th>Value</th></tr>
<tr><td>Q</td><td>The NASDAQ Stock Market, LLC</td></tr>
<tr><td>N</td><td>New York Stock Exchange, LLC</td></tr>
<tr><td>B</td><td>NASDAQ BX, Inc.</td></tr>
<tr><td>E</td><td>Market Independent</td></tr>
<tr><td>D</td><td>FINRA Alternative Display Facility</td></tr>
<tr><td>Z</td><td>Cboe BZX Exchange, Inc</td></tr>
<tr><td>T</td><td>The NASDAQ Stock Market, LLC</td></tr>
<tr><td>I</td><td>International Securities Exchange</td></tr>
</table>
</td></tr>
</table>

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

SIP Sequence ID	upstream_seq	long	SIP feed ID.

Schema


```
{
  "type": "record",
  "name": "SystemEvent",
  "namespace": "com.nasdaq.cqt",
  "fields": [
   {
    "name": "msg_type",
    "type": "string"
   },
   {
    "name": "event_code",
    "type": "string"
   },
   {
    "name": "market_center",
    "type": "string"
   },
   {
    "name": "upstream_seq",
    "type": "long"
   }
  ],
  "version": "1"
 }
```


Sample


```
  {
     "msg_type": "S",
     "event_code": "*SOD",
     "market_center": "Q",
     "upstream_seq": 1
    }
```


Quotes

Details

Field	Name	Type	Description
Message Type	msg_type	string	Q = Market Center Quote

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

<table>
<tr><td>Symbol</td><td>symbol</td><td>string</td><td>Denotes the issue symbol of the security for which the quote report is being generated.</td></tr>
<tr><td>SIP Feed</td><td>sipfeed</td><td>string</td><td>SIP tape name.</td></tr>
<tr><td>SIP Sequence ID</td><td>upstream_seq</td><td>long</td><td>Quote sequence number.</td></tr>
<tr><td>Market Center</td><td>market_center</td><td>string</td><td>Indicates the market center code that originated the message.
<table><tr><th>Code</th><th>Value</th></tr><tr><td>Q</td><td>The NASDAQ Stock Market, LLC</td></tr><tr><td>N</td><td>New York Stock Exchange, LLC</td></tr><tr><td>B</td><td>NASDAQ BX, Inc.</td></tr><tr><td>E</td><td>Market Independent</td></tr><tr><td>D</td><td>FINRA Alternative Display Facility</td></tr><tr><td>Z</td><td>Cboe BZX Exchange, Inc</td></tr><tr><td>T</td><td>The NASDAQ Stock Market, LLC</td></tr><tr><td>I</td><td>International Securities Exchange</td></tr><tr><td>U</td><td>Members Exchange</td></tr><tr><td>W</td><td>Cboe Stock Exchange</td></tr><tr><td>u</td><td>Other OTC Markets</td></tr></table></td></tr>
</table>

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

			J — Cboe EDGA Exchange, Inc. M — Chicago Stock Exchange Y — Cboe BYX Exchange, Inc. C — NYSE National, Inc. X — NASDAQ PSX, Inc. A — NYSE American, LLC K — Cboe EDGX Exchange, Inc. P — NYSE Arca, Inc L — Long-term Stock Exchange H — MIAX Exchange
Bid Price	bid_price	double	The highest price at the market center that someone is willing to buy a security at the given time.
Bid Quantity	bid_quantity	int	Number of shares available at the Market Center's bid price in a given security.
Ask Price	ask_price	double	The lowest price at the market center that someone is willing to sell a security at a given time.
Ask Quantity	ask_quantity	int	The lowest price at the market center that someone is willing to sell a security at a given time.
Quote Condition	quote_conditions	string	Indicates the quote conditions. Allowable values: 0 — None Provided 1 — Open 2 — Closed 3 — One-Sided Open 4 — Two-Sided Open 0x01 — Quote Sizes are Provided in Shares, not Lots
StartTime	start_time	string	Actual start time of the Quote.

Schema

```
{
  "type": "record",
  "name": "QuoteMessage",
  "namespace": "com.nasdaq.cqt",
```

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

```
 "fields": [
  {
   "name": "msg_type",
   "type": "string"
  },
  {
   "name": "symbol",
   "type": "string"
  },
  {
   "name": "sipfeed",
   "type": "string"
  },
  {
   "name": "upstream_seq",
   "type": "long"
  },
  {
   "name": "market_center",
   "type": "string"
  },
  {
   "name": "bid_price",
   "type": "double"
  },
  {
   "name": "bid_quantity",
   "type": "int"
  },
  {
   "name": "ask_price",
   "type": "double"
  },
  {
   "name": "ask_quantity",
   "type": "int"
  },
  {
   "name": "quote_conditions",
   "type": "string"
  },
  {
   "name": "start_time",
   "type": "string"
  }
 ],
 "version": "1"
}
```


Sample


```
{
```


Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

```
  "msg_type": "Q",
  "symbol": "NDAQ",
  "sipfeed": "UQDF112",
  "upstream_seq": 1,
  "market_center": "N",
  "bid_price": 23.45,
  "bid_quantity": 100,
  "ask_price": 23.45,
  "ask_quantity": 1100,
 "quote_conditions":"1",
  "start_time":  "2021-06-02T00:00:00.000"
}
```


Trades

Details

Field	Name	Type	Description
Message Type	msg_type	string	T = Trade Report
Symbol	symbol	string	Denotes the issue symbol of the security for which the quote report is being generated.
Price	price	double	Trade execution price.
Quantity	quantity	double	Trade execution quantity.
Canceled Indicator	canceled_indicator	boolean	Indicates that the record was cancelled (null if not cancelled).
Correction Indicator	correction_indicator	boolean	Indicates that the record was corrected.
DOTT	dott	string	Indicates whether trade occurred during pre-market, regular market or post market hours. Allowable values are: • F = Regular Hours • T = Pre/Post Market Hours
Listing Venue	listing_venue	string	Indicates the primary listing market for the issue. Allowable values are: **Code** — **Value** Q — Nasdaq

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

			N — NYSE A — NYSE American P — NYSE Arca u — Other OTC Markets V — Investors' Exchange LLC
Market Center	market_center	string	Indicates the market where the execution occurred. Allowable values are: **Code / Value** Q — The NASDAQ Stock Market, LLC N — New York Stock Exchange, LLC B — NASDAQ BX, Inc. E — Market Independent D — FINRA Alternative Display Facility Z — Cboe BZX Exchange, Inc T — The NASDAQ Stock Market, LLC I — International Securities Exchange U — Members Exchange W — Cboe Stock Exchange u — Other OTC Markets J — Cboe EDGA Exchange, Inc. M — Chicago Stock Exchange Y — Cboe BYX Exchange, Inc. C — NYSE National, Inc. X — NASDAQ PSX, Inc. A — NYSE American, LLC K — Cboe EDGX Exchange, Inc. P — NYSE Arca, Inc
			L — Long-term Stock Exchange H — MIAX Exchange

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

<table>
<tr><td>Sub Market Center</td><td>sub_market_center</td><td>string</td><td>Indicates the sub-market where the execution occurred. Allowable values are:

<table><tr><th>Code</th><th>Value</th></tr><tr><td>N</td><td>FINRA / NYSE Trade Reporting Facility</td></tr><tr><td>Q</td><td>FINRA / Nasdaq Trade Reporting Facility Carteret</td></tr><tr><td>B</td><td>FINRA / Nasdaq TRF Chicago</td></tr><tr><td>Space</td><td>Trade originates from FINRA Alternative Display Facility</td></tr></table></td></tr>
<tr><td>MSN</td><td>msn</td><td>long</td><td>Message Sequence Number from the UTDF level 1 data feed used as a trade identifier.</td></tr>
<tr><td>OMSN</td><td>omsn</td><td>long</td><td>Applicable to correction and cancel records and identifies the original trade to which the cancel/correction applies.</td></tr>
<tr><td>Sales Condition</td><td>sales_conditions</td><td>string</td><td>For more information on Sales Condition codes, please refer to:
• Section 7.5.1 of the UTP Trade Data Feed Specification for NASDAQ-listed securities
• Section 7.0 of the Consolidated Tape System Specification for NYSE and AMEX-listed securities</td></tr>
<tr><td>Trade Date</td><td>trade_date</td><td>string</td><td>Timestamp of the trade.</td></tr>
<tr><td>SIP Sequence ID</td><td>upstream_seq</td><td>long</td><td>Quote sequence number.</td></tr>
</table>

Schema

```
{
  "type": "record",
  "name": "TradeMessage",
  "namespace": "com.nasdaq.cqt",
  "fields": [
   {
    "name": "msg_type",
    "type": "string"
   },
```

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

```
{
 "name": "symbol",
 "type": "string"
},
{
 "name": "price",
 "type": "double"
},
{
 "name": "quantity",
 "type": "double"
},
{
 "name": "canceled_indicator",
 "type": "boolean"
},
{
 "name": "correction_indicator",
 "type": "boolean"
},
{
 "name": "dott",
 "type": "string"
},
{
 "name": "listing_venue",
 "type": "string"
},
{
 "name": "market_center",
 "type": "string"
},
{
 "name": "sub_market_center",
 "type": "string"
},
{
 "name": "msn",
 "type": "long"
},
{
 "name": "omsn",
 "type": "long"
},
{
 "name": "sales_conditions",
 "type": "string"
},
{
 "name": "trade_date",
 "type": "string"
},
{
 "name": "upstream_seq",
 "type": "long"
```


Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

```
  }
 ],
 "version": "1"
}
```


Sample


```
{
   "msg_type": "T",
   "symbol": "AAPL",
   "price": 23.45,
   "quantity": 100.10,
   "canceled_indicator": false,
   "correction_indicator": false,
   "dott": "F",
   "listing_venue": "",
   "market_center": "N",
   "sub_market_center": "",
   "msn": 1,
   "omsn": 0,
   "sales_conditions": "@  ",
   "trade_date": "2021-06-02T00:00:00.000"
   "upstream_seq": "1",
}
```


Issue Symbol

Details

Field	Name	Type	Description
Message Type	msg_type	string	B (constant value)
Symbol	symbol	string	Issue symbol of the security.
Name	security_name	string	Indicates security name.

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

<table>
<tr><td>Market Tier</td><td>market_tier</td><td>string</td><td>Indicates the market tiers. Allowable values are:

<table><tr><th>Code</th><th>Value</th></tr><tr><td>Space</td><td>Unknown or Not Available</td></tr><tr><td>Q</td><td>NASDAQ Global Select Market</td></tr><tr><td>G</td><td>Nasdaq Global Market</td></tr><tr><td>S</td><td>NASDAQ Capital Market</td></tr></table></td></tr>
<tr><td>Test symbol</td><td>test_symbol</td><td>boolean</td><td>True/False. Whether an instrument is a test one or not.</td></tr>
<tr><td>Round Lot Size</td><td>round_lot_size</td><td>int</td><td>Value of round lot size.</td></tr>
<tr><td>Financial Status Indicator</td><td>financial_status_indicator</td><td>string</td><td>Indicates the financial status, which is only available for Nasdaq stocks. Allowable values are:

<table><tr><th>Code</th><th>Value</th></tr><tr><td>N</td><td>Normal</td></tr><tr><td>Q</td><td>Bankrupt</td></tr><tr><td>E</td><td>Delinquent (Late Filing)</td></tr><tr><td>J</td><td>Delinquent and Bankrupt</td></tr><tr><td>D</td><td>Deficient (Below Listing Standards)</td></tr><tr><td>G</td><td>Deficient and Bankrupt</td></tr><tr><td>H</td><td>Deficient and Delinquent</td></tr><tr><td>K</td><td>Deficient, Delinquent, and Bankrupt</td></tr><tr><td>S</td><td>Suspended, Pending, Delisting</td></tr></table></td></tr>
</table>

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

SIP Sequence ID	upstream_seq	long	SIP feed ID.

Schema


```
{
  "type": "record",
  "name": "IssueSymbol",
  "namespace": "com.nasdaq.cqt",
  "fields": [
   {
    "name": "msg_type",
    "type": "string"
   },
   {
    "name": "symbol",
    "type": "string"
   },
   {
    "name": "security_name",
    "type": "string"
   },
   {
    "name": "market_tier",
    "type": "string"
   },
   {
    "name": "test_symbol",
    "type": "boolean"
   },
   {
    "name": "round_lot_size",
    "type": "int"
   },
   {
    "name": "financial_status_indicator",
    "type": "string"
   },
   {
    "name": "upstream_seq",
    "type": "long"
   }
  ],
  "version": "1"
 }
```


Sample

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

```
{
  "msg_type": "B",
  "symbol": "AAPL",
  "security_name": "Apple Inc. - Common Stock",
  "market_tier": "1",
  "test_symbol": false,
  "round_lot_size": 100,
  "financial_status_indicator":  "1",
  "upstream_seq": "1",
}
```


Trading Action

Details

Field	Name	Type	Description
Message Type	msg_type	string	H (constant value)
Source Market Center	source_market_center	string	Originating market center.
Timestamp	action_time	string	SIP timestamp - Date in format: yyyy-MM-dd'T'HH:mm:ss.SSS
Symbol	symbol	string	Issue symbol of the security.
SIP Feed	sipfeed	string	SIP feed identifier.
SIP Sequence ID	upstream_seq	long	SIP feed ID.

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

<table>
<tr>
<td>Action Code</td>
<td>action</td>
<td>int</td>
<td>Indicates the trading actions. Allowable values are:
<table>
<tr><th>Code</th><th>Value</th></tr>
<tr><td>1</td><td>Trading</td></tr>
<tr><td>2</td><td>Quoting (Orders are accepted, but not Executing – books may be crossed)</td></tr>
<tr><td>3</td><td>Halted (Orders are not accepted or executing)</td></tr>
<tr><td>4</td><td>Paused (Used for Volatility Trading Pauses in US Equities – denotes a symbol going into the Halted State followed Immediately by the Quoting State)</td></tr>
</table>
</td>
</tr>
</table>

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

Reason Code	reason	int	Indicates the trading actions. Allowable values are:

Code	Value
0	None Provided
1	News Dissemination
2	News Pending
3	Order Influx
4	Order Imbalance
5	Volatility
6	Equipment Changeover
7	Sub-Penny Trading
8	Regulatory – Extraordinary Market Activity
9	ETF
10	Information Requested
11	Non-Compliance
12	Filings Not Current
13	SEC Trading Suspension
14	Regulatory Concern
15	Operations
16	Corporate Action
17	Quote Not Available
18	Volatility – Straddle State
19	News and Resumption Times
20	Single Stock Pause
21	Single Stock Pause – Quoting
22	Qualifications Resolved
23	Filings Resolved
24	Issuer News Not Forthcoming
25	Requirements Met
26	Filings Met
27	Concluded by Other Authority
28	New Issue Available
29	Issue Available

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

			30	IPO – Not Yet Trading
			31	IPO – Release for Quotation
			32	IPO – Window Extension
			33	Market Wide Circuit Breaker Level 1
			34	Market Wide Circuit Breaker Level 2
			35	Market Wide Circuit Breaker Level 3
			36	Market Wide Circuit Breaker – Carryover from Prior Day
			37	Market Wide Circuit Breaker – Resumption
			38	Post-Close
			39	Pre-Cross
			40	Cross
			41	SEC Revocation
			42	Foreign Market Regulatory
			43	Component Derivative Of Exchange Listed
			44	Extraordinary Events
			45	Security Deletion
			46	Internal Halt
			47	Was Frozen
			48	Was Delayed
			49	As-Of Update
			50	Related Security – News Dissemination
			51	Related Security – News Pending
			52	Related Security
			53	In View Of Common
			54	Exchange Specific
			55	Security Not Delayed Or Halted
			56	LULD Trading Pause
			57	No Open No Resume
			58	Not Available For Trading

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

			59 Unknown or Invalid 60 Merger Effective (CTS) 61 ETF Component Price Not Available (CTS) 62 Intraday Indicative Price Not Available (CTS)

Schema

```
{
  "type": "record",
  "name": "TradingAction",
  "namespace": "com.nasdaq.cqt",
  "fields": [
   {
    "name": "msg_type",
    "type": "string"
   },
   {
    "name": "source_market_center",
    "type": "string"
   },
   {
    "name": "action_time",
    "type": "string"
   },
   {
    "name": "symbol",
    "type": "string"
   },
   {
    "name": "sipfeed",
    "type": "string"
   },
   {
    "name": "upstream_seq",
    "type": "long"
   },
   {
    "name": "action",
    "type": "int"
   },
   {
    "name": "reason",
    "type": "int"
```

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

```
    }
],
  "version": "1"
```


Sample


```
{
  "msg_type": "H",
  "source_market_center":
  "Q",
  "action_time": "2021-06-02T00:00:00.000",
  "symbol": "AAPL",
  "sipfeed": "UQDF112",
  "upstream_seq": 1,
  "action": 1,
  "reason": 0
}
```


Market Center Trading Action

Details

Field	Name	Type	Description
Message Type	msg_type	string	K (constant value)
Source Market Center	source_market_center	string	Originating market center
Impacted Market Center	market_center	string	Impacted market center
Timestamp	action_time	string	SIP timestamp - Date in format: yyyy-MM-dd'T'HH:mm:ss.SSS
Symbol	symbol	string	Issue symbol of the security.
SIP Feed	sipfeed	string	SIP feed identifier.
SIP Sequence ID	upstream_seq	long	SIP feed ID

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

<table>
<tr><td>Action Code</td><td>action</td><td>int</td><td>Indicates the trading actions. Allowable values are:<table><tr><th>Code</th><th>Value</th></tr><tr><td>1</td><td>Trading</td></tr><tr><td>2</td><td>Quoting (Orders are accepted, but not Executing – books may be crossed)</td></tr><tr><td>3</td><td>Halted (Orders are not accepted or executing)</td></tr><tr><td>4</td><td>Paused (Used for Volatility Trading Pauses in US Equities – denotes a symbol going into the Halted State followed Immediately by the Quoting State)</td></tr></table></td></tr>
<tr><td>Reason Code</td><td>reason</td><td>int</td><td>Indicates the trading actions. Allowable values are:<table><tr><th>Code</th><th>Value</th></tr><tr><td>0</td><td>None Provided</td></tr><tr><td>1</td><td>News Dissemination</td></tr><tr><td>2</td><td>News Pending</td></tr><tr><td>3</td><td>Order Influx</td></tr><tr><td>4</td><td>Order Imbalance</td></tr><tr><td>5</td><td>Volatility</td></tr><tr><td>6</td><td>Equipment Changeover</td></tr><tr><td>7</td><td>Sub-Penny Trading</td></tr><tr><td>8</td><td>Regulatory – Extraordinary Market Activity</td></tr><tr><td>9</td><td>ETF</td></tr><tr><td>10</td><td>Information Requested</td></tr><tr><td>11</td><td>Non-Compliance</td></tr><tr><td>12</td><td>Filings Not Current</td></tr><tr><td>13</td><td>SEC Trading Suspension</td></tr><tr><td>14</td><td>Regulatory Concern</td></tr><tr><td>15</td><td>Operations</td></tr><tr><td>16</td><td>Corporate Action</td></tr><tr><td>17</td><td>Quote Not Available</td></tr><tr><td>18</td><td>Volatility – Straddle State</td></tr></table></td></tr>
</table>

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

			19	News and Resumption Times
			20	Single Stock Pause
			21	Single Stock Pause – Quoting
			22	Qualifications Resolved
			23	Filings Resolved
			24	Issuer News Not Forthcoming
			25	Requirements Met
			26	Filings Met
			27	Concluded by Other Authority
			28	New Issue Available
			29	Issue Available
			30	IPO – Not Yet Trading
			31	IPO – Release for Quotation
			32	IPO – Window Extension
			33	Market Wide Circuit Breaker Level 1
			34	Market Wide Circuit Breaker Level 2
			35	Market Wide Circuit Breaker Level 3
			36	Market Wide Circuit Breaker – Carryover from Prior Day
			37	Market Wide Circuit Breaker – Resumption
			38	Post-Close
			39	Pre-Cross
			40	Cross
			41	SEC Revocation
			42	Foreign Market Regulatory
			43	Component Derivative Of Exchange Listed
			44	Extraordinary Events
			45	Security Deletion
			46	Internal Halt

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

			47	Was Frozen	
			48	Was Delayed	
			49	As-Of Update	
			50	Related Security – News Dissemination	
			51	Related Security – News Pending	
			52	Related Security	
			53	In View Of Common	
			54	Exchange Specific	
			55	Security Not Delayed Or Halted	
			56	LULD Trading Pause	
			57	No Open No Resume	
			58	Not Available For Trading	
			59	Unknown or Invalid	
			60	Merger Effective (CTS)	
			61	ETF Component Price Not Available (CTS)	
			62	Intraday Indicative Price Not Available (CTS)	

Schema


```
{
  "name": "msg_type",
  "type": "string"
 },
 {
  "name": "source_market_center",
  "type": "string"
 },
 {
  "name": "market_center",
  "type": "string"
 },
 {
  "name": "action_time",
  "type": "string"
 },
 {
  "name": "symbol",
  "type": "string"
 },
```


Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

```
  {
   "name": "sipfeed",
   "type": "string"
  },
  {
   "name": "upstream_seq",
   "type": "long"
  },
  {
   "name": "action",
   "type": "int"
  },
  {
   "name": "reason",
   "type": "int"
  }
 ],
 "version": "1"
}
```


Sample


```
  {
     "msg_type": "K",
     "source_market_center": "N",
     "market_center": "N",
     "action_time": "2021-06-02T00:00:00.000",
     "symbol": "AAPL",
     "sipfeed": "UQDF112",
     "upstream_seq": 1,
     "action": 3,
     "reason": 54
  }
```


NBBO Quote Message

Details

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

Field	Name	Type	Description
Message Type	msg_type	string	N (constant value)
Symbol	symbol	string	Issue symbol of the security.
SIP Feed	sipfeed	string	Feed on which Quote was reported.
SIP Sequence ID	upstream_seq	long	SIP feed ID
Bid Market Center	bid_market_center	string	Allowable values are:

Code	Value
Q	The NASDAQ Stock Market, LLC
N	New York Stock Exchange, LLC
B	NASDAQ BX, Inc.
E	Market Independent
D	FINRA Alternative Display Facility
Z	Cboe BZX Exchange, Inc
T	The NASDAQ Stock Market, LLC
I	International Securities Exchange
U	Members Exchange
W	Cboe Stock Exchange
u	Other OTC Markets
J	Cboe EDGA Exchange, Inc.
M	Chicago Stock Exchange
Y	Cboe BYX Exchange, Inc.
C	NYSE National, Inc.
X	NASDAQ PSX, Inc.
A	NYSE American, LLC
K	Cboe EDGX Exchange, Inc.
P	NYSE Arca, Inc
L	Long-term Stock Exchange

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

<table>
<tr><td></td><td></td><td></td><td><table><tr><td>H</td><td>MIAX Exchange</td></tr></table></td></tr>
<tr><td>Bid Price</td><td>bid_price</td><td>double</td><td>The price that a dealer or other prospective buyer is prepared to pay.</td></tr>
<tr><td>Bid Quantity</td><td>bid_quantity</td><td>int</td><td>The price that a dealer or other prospective buyer is prepared to pay, and the quantity to be purchased at that price.</td></tr>
<tr><td>Ask Market Center</td><td>ask_market_center</td><td>string</td><td>Allowable values are:<table><tr><th>Code</th><th>Value</th></tr><tr><td>Q</td><td>The NASDAQ Stock Market, LLC</td></tr><tr><td>N</td><td>New York Stock Exchange, LLC</td></tr><tr><td>B</td><td>NASDAQ BX, Inc.</td></tr><tr><td>E</td><td>Market Independent</td></tr><tr><td>D</td><td>FINRA Alternative Display Facility</td></tr><tr><td>Z</td><td>Cboe BZX Exchange, Inc</td></tr><tr><td>T</td><td>The NASDAQ Stock Market, LLC</td></tr><tr><td>I</td><td>International Securities Exchange</td></tr><tr><td>U</td><td>Members Exchange</td></tr><tr><td>W</td><td>Cboe Stock Exchange</td></tr><tr><td>u</td><td>Other OTC Markets</td></tr><tr><td>J</td><td>Cboe EDGA Exchange, Inc.</td></tr><tr><td>M</td><td>Chicago Stock Exchange</td></tr><tr><td>Y</td><td>Cboe BYX Exchange, Inc.</td></tr><tr><td>C</td><td>NYSE National, Inc.</td></tr><tr><td>X</td><td>NASDAQ PSX, Inc.</td></tr><tr><td>A</td><td>NYSE American, LLC</td></tr><tr><td>K</td><td>Cboe EDGX Exchange, Inc.</td></tr><tr><td>P</td><td>NYSE Arca, Inc</td></tr><tr><td>L</td><td>Long-term Stock Exchange</td></tr><tr><td>H</td><td>MIAX Exchange</td></tr></table></td></tr>
<tr><td>Ask Price</td><td>ask_price</td><td>double</td><td>The price a seller states they will accept.</td></tr>
</table>

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

Ask Quantity	ask_quantity	Int	The quantity of a security that investors are willing to purchase at a specified bid price.
Quote Conditions	quote_conditions	string	Indicates the quote conditions. Allowable values are: 0 None Provided 1 Open 2 Closed 3 One-Sided Open 4 Two-Sided Open 0x01 Quote Sizes are Provided in Shares, not Lots
Start Time	start_time	string	format: yyyy-MM-dd'T'HH:mm:ss.SSS

Schema

```
{
  "type": "record",
  "name": "NBBOQuoteMessage",
  "namespace": "com.nasdaq.cqt",
  "fields": [
   {
    "name": "msg_type",
    "type": "string"
   },
   {
    "name": "symbol",
    "type": "string"
   },
   {
    "name": "sipfeed",
    "type": "string"
   },
   {
    "name": "upstream_seq",
    "type": "long"
   },
   {
    "name": "bid_market_center",
    "type": "string"
   },
   {
    "name": "bid_price",
    "type": "double"
   },
```

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

```
  {
   "name": "bid_quantity",
   "type": "int"
  },
  {
   "name": "ask_market_center",
   "type": "string"
  },
  {
   "name": "ask_price",
   "type": "double"
  },
  {
   "name": "ask_quantity",
   "type": "int"
  },
  {
   "name": "quote_conditions",
   "type": "string"
  },
  {
   "name": "start_time",
   "type": "string"
  }
 ],
 "version": "1"
}
```


Sample


```
  {
     "msg_type": "N",
     "symbol": "NDAQ",
     "sipfeed": "UQDF112",
     "upstream_seq": 1,
     "bid_market_center": "N",
     "bid_price": 23.45,
     "bid_quantity": 100,
     "ask_market_center": "N",
     "ask_price": 23.45,
     "ask_quantity": 1100,
     "quote_conditions": "",
     "start_time":  "2021-06-02T00:00:00.000"
  }
```


Limit Up Limit Down (LULD)

Details

Field	Name	Type	Description
Message Type	msg_type	string	P (constant value)

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

<table>
<tr><td>Market Center</td><td>market_center</td><td>string</td><td>Indicates the market where the execution occurred. Allowable values are:
<table><tr><th>Code</th><th>Value</th></tr><tr><td>Q</td><td>The NASDAQ Stock Market, LLC</td></tr><tr><td>N</td><td>New York Stock Exchange, LLC</td></tr><tr><td>B</td><td>NASDAQ BX, Inc.</td></tr><tr><td>E</td><td>Market Independent</td></tr><tr><td>D</td><td>FINRA Alternative Display Facility</td></tr><tr><td>Z</td><td>Cboe BZX Exchange, Inc</td></tr><tr><td>T</td><td>The NASDAQ Stock Market, LLC</td></tr><tr><td>I</td><td>International Securities Exchange</td></tr><tr><td>U</td><td>Members Exchange</td></tr><tr><td>W</td><td>Cboe Stock Exchange</td></tr><tr><td>u</td><td>Other OTC Markets</td></tr><tr><td>J</td><td>Cboe EDGA Exchange, Inc.</td></tr><tr><td>M</td><td>Chicago Stock Exchange</td></tr><tr><td>Y</td><td>Cboe BYX Exchange, Inc.</td></tr><tr><td>C</td><td>NYSE National, Inc.</td></tr><tr><td>X</td><td>NASDAQ PSX, Inc.</td></tr><tr><td>A</td><td>NYSE American, LLC</td></tr><tr><td>K</td><td>Cboe EDGX Exchange, Inc.</td></tr><tr><td>P</td><td>NYSE Arca, Inc</td></tr><tr><td>L</td><td>Long-term Stock Exchange</td></tr><tr><td>H</td><td>MIAX Exchange</td></tr></table></td></tr>
<tr><td>Timestamp</td><td>timestamp</td><td>string</td><td>Date in format: yyyy-MM-dd'T'HH:mm:ss.SSS</td></tr>
<tr><td>Symbol</td><td>symbol</td><td>string</td><td>Issue symbol of the security.</td></tr>
</table>

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

LULD Price Band Indicator	luld_price_band_indicator	int	Indicates the LULD price brand. Allowable values are: 0 None / Not Applicable 1 Opening Update 2 Intraday Update 3 Re-Stated Value 4 Suspended During Trading Halt or Trading Pause 5 Re-Opening Update 6 Outside Price Band Rule Hours
LULD TImestamp	luld_time	string	Date in format: yyyy-MM-dd'T'HH:mm:ss.SSS
Limit Down Price	limit_down_price	double	Price for limit down.
Limit Up Price	limit_up_price	double	Price for limit up.
SIP Sequence ID	upstream_seq	long	SIP feed ID.

Schema

```
{
  "type": "record",
  "name": "LimitUpLimitDown",
  "namespace": "com.nasdaq.cqt",
  "fields": [
   {
    "name": "msg_type",
    "type": "string"
   },
   {
    "name": "market_center",
    "type": "string"
   },
   {
    "name": "timestamp",
    "type": "string"
   },
   {
    "name": "symbol",
    "type": "string"
   },
```

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

```
    {
      "name": "luld_price_band_indicator",
      "type": "int"
    },
    {
      "name": "luld_time",
      "type": "string"
    },
    {
      "name": "limit_down_price",
      "type": "double"
    },
    {
      "name": "limit_up_price",
      "type": "double"
    },
    {
      "name": "upstream_seq",
      "type": "long"
    }
  ],
  "version": "1"
 }
```

Sample

```
{
  "msg_type": "P",
  "market_center": "N",
  "timestamp": "2021-06-02T00:00:00.000",
  "symbol": "AAPL",
  "luld_price_band_indicator": 1,
  "luld_time": "2021-06-02T09:30:00.000",
  "limit_down_price": 10.3,
  "limit_up_price": 11.3
}
```

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

Market Wide Circuit Breaker (MWCB)

Details

<table>
<tr><th>Field</th><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>Message Type</td><td>msg_type</td><td>string</td><td>D (constant value)</td></tr>
<tr><td>Market Center</td><td>market_center</td><td>string</td><td>Indicates the market where the execution occurred. Allowable values are:
<table>
<tr><th>Code</th><th>Value</th></tr>
<tr><td>Q</td><td>The NASDAQ Stock Market, LLC</td></tr>
<tr><td>N</td><td>New York Stock Exchange, LLC</td></tr>
<tr><td>B</td><td>NASDAQ BX, Inc.</td></tr>
<tr><td>E</td><td>Market Independent</td></tr>
<tr><td>D</td><td>FINRA Alternative Display Facility</td></tr>
<tr><td>Z</td><td>Cboe BZX Exchange, Inc</td></tr>
<tr><td>T</td><td>The NASDAQ Stock Market, LLC</td></tr>
<tr><td>I</td><td>International Securities Exchange</td></tr>
<tr><td>U</td><td>Members Exchange</td></tr>
<tr><td>W</td><td>Cboe Stock Exchange</td></tr>
<tr><td>u</td><td>Other OTC Markets</td></tr>
<tr><td>J</td><td>Cboe EDGA Exchange, Inc.</td></tr>
<tr><td>M</td><td>Chicago Stock Exchange</td></tr>
<tr><td>Y</td><td>Cboe BYX Exchange, Inc.</td></tr>
<tr><td>C</td><td>NYSE National, Inc.</td></tr>
<tr><td>X</td><td>NASDAQ PSX, Inc.</td></tr>
<tr><td>A</td><td>NYSE American, LLC</td></tr>
<tr><td>K</td><td>Cboe EDGX Exchange, Inc.</td></tr>
<tr><td>P</td><td>NYSE Arca, Inc</td></tr>
<tr><td>L</td><td>Long-term Stock Exchange</td></tr>
<tr><td>H</td><td>MIAX Exchange</td></tr>
</table>
</td></tr>
</table>

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

<table>
<tr><td>Timestamp</td><td>timestamp</td><td>string</td><td>Date in format: yyyy-MM-dd'T'HH:mm:ss.SSS</td></tr>
<tr><td>MWCB Status</td><td>mwcb_status</td><td>string</td><td>Indicates the market wide circuit breaker status. Allowable values are:

<table><tr><th>Code</th><th>Value</th></tr><tr><td>*MW1</td><td>Market Wide Circuit Breaker Level 1 Breach (US Equities)</td></tr><tr><td>*MW2</td><td>Market Wide Circuit Breaker Level 2 Breach (US Equities)</td></tr><tr><td>*MW3</td><td>Market Wide Circuit Breaker Level 3 Breach (US Equities)</td></tr></table></td></tr>
<tr><td>SIP Sequence ID</td><td>upstream_seq</td><td>long</td><td>SIP feed ID.</td></tr>
</table>

Schema


```
{
  "type": "record",
  "name": "MarketWideCircuitBreaker",
  "namespace": "com.nasdaq.cqt",
  "fields": [
   {
    "name": "msg_type",
    "type": "string"
   },
   {
    "name": "market_center",
    "type": "string"
   },
   {
    "name": "timestamp",
    "type": "string"
   },
   {
    "name": "mwcb_status",
    "type": "string"
   },
   {
    "name": "upstream_seq",
    "type": "long"
   }
  ],
  "version": "1"
 }
```


Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

Sample


```
{
   "msg_type": "D",
   "market_center": "",
   "timestamp": "2021-06-02T00:00:00.000",
   "mwcb_status": "*MW1",
   "upstream_seq" : 1
}
```


MWCB Decline Level

Details

Field	Name	Type	Description
Message Type	msg_type	string	C (constant value)
Market Center	market_center	string	Allowable values are: **Code** / **Value** Q — The NASDAQ Stock Market, LLC N — New York Stock Exchange, LLC B — NASDAQ BX, Inc. E — Market Independent D — FINRA Alternative Display Facility Z — Cboe BZX Exchange, Inc T — The NASDAQ Stock Market, LLC I — International Securities Exchange U — Members Exchange W — Cboe Stock Exchange u — Other OTC Markets J — Cboe EDGA Exchange, Inc.

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

			M: Chicago Stock Exchange Y: Cboe BYX Exchange, Inc. C: NYSE National, Inc. X: NASDAQ PSX, Inc. A: NYSE American, LLC K: Cboe EDGX Exchange, Inc. P: NYSE Arca, Inc L: Long-term Stock Exchange H: MIAX Exchange
Timestamp	timestamp	string	Date in format: yyyy-MM-dd'T'HH:mm:ss.SSS
MWCB Level 1	mwcb_level_1	double	Value of MWCB level 1
MWCB Level 2	mwcb_level_2	double	Value of MWCB level 2
MWCB Level 3	mwcb_level_3	doubke	Value of MWCB level 3
SIP Sequence ID	upstream_seq	long	SIP feed ID.

Schema


```
{
  "type": "record",
  "name": "MarketWideCircuitBreakerDeclineLevel",
  "namespace": "com.nasdaq.cqt",
  "fields": [
   {
    "name": "msg_type",
    "type": "string"
   },
   {
    "name": "market_center",
    "type": "string"
   },
   {
    "name": "timestamp",
    "type": "string"
   },
   {
    "name": "mwcb_level_1",
    "type": "double"
   },
```


Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

```
  {
   "name": "mwcb_level_2",
   "type": "double"
  },
  {
   "name": "mwcb_level_3",
   "type": "double"
  },
  {
   "name": "upstream_seq",
   "type": "long"
  }
 ],
 "version": "1"
}
```


Sample


```
  {
     "msg_type": "C",
     "market_center": "",
     "timestamp": "2021-06-02T00:00:00.000",
     "mwcb_level_1": 2000.0,
     "mwcb_level_2": 1900.0,
     "mwcb_level_3": 1800.0,
     "upstream_seq" : 1
  }
```


Regulation SHO Restriction Indicator

Details

Code	Value
0	Short Sale Restriction Not In Effect
1	Short Sale Restriction In Effect

Field	Name	Type	Description
Message Type	msg_type	string	V (constant value)
Source Market Center	source_market_center	string	Originating market center
Timestamp	action_time	string	SIP timestamp - Date in format: yyyy-MM-dd'T'HH:mm:ss.SSS

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

Symbol	symbol	string	Issue symbol of the security.
SIP Feed	sipfeed	string	SIP feed identifier.
SIP Sequence ID	upstream_seq	long	SIP feed ID.
Action Code	action	int	Indicates the regulation SHO actions. Allowable values are:
Reason Code	reason	int	Indicates the regulation SHO reasons. Allowable values are: 0 None / Not In Effect 1 Day 1 – Activated 2 Day 2 – Continued

Schema

```
{
  "type": "record",
  "name": "RegSHORestrictionIndicator",
  "namespace": "com.nasdaq.cqt",
  "fields": [
   {
    "name": "msg_type",
    "type": "string"
   },
   {
    "name": "source_market_center",
    "type": "string"
   },
   {
    "name": "action_time",
    "type": "string"
   },
   {
    "name": "symbol",
    "type": "string"
   },
   {
    "name": "sipfeed",
```

```
  "type": "string"
 },
 {
  "name": "upstream_seq",
  "type": "long"
 },
 {
  "name": "action",
  "type": "int"
 },
 {
  "name": "reason",
  "type": "int"
 }
],
"version": "1"
}
```


Sample


```
{
   "msg_type": "V",
   "source_market_center": "N",
   "action_time": "2021-06-02T00:00:00.000",
   "symbol": "AAPL",
   "sipfeed": "UQDF112",
   "upstream_seq": 1,
   "action": 0,
   "reason": 0
}
```


Change control log

Change date: 12/16/2025.

- Quantity field in Trade message changed to double
- Renamed “sipfeed_seq” to “upstream_seq” and changed from datatype “int” to datatype “long”
- Fields with datatype “float” changed to datatype “double”

Change date: 08/27/2021.
Added OTCBB in CQT.

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations

Change date: 06/03/2021.

The following fields have been added in **System Event Message**:

- Impacted Market Center

The following fields have been removed in **System Event Message**:

- Nanoseconds (Timestamp in nanoseconds from midnight)

The following fields have been removed from **Quotes**:

- end_time
- Removed suffix "Z" from timestamps

The following fields have been renamed in **Quotes**:

- Renamed ''marketCenter'' to ''market_center''
- Renamed ''AskPrice'' to ''ask_price''
- Renamed ''AskQuantity'' to ''ask_quantity''
- Renamed ''BidPrice'' to ''bid_price''
- Renamed ''BidQuantity'' to ''bid_quantity''
- Renamed ''QuoteConditions'' to ''quote_conditions''
- Renamed ''SipFeed'' to ''sipfeed''
- Renamed "UFQuoteMessage" to "QuoteMessage"

The following fields have been added from **Trades**:

- correction_indicator

The following fields have been removed from **Trades**:

- Removed suffix "Z" from timestamps

The following fields have been renamed in **Trades**:

- Renamed "UFTradeMessage" to "TradeMessage"

Other changes:

- Renamed ''namespace'' in schema from "com.nasdaq.equities.island.applications.datafeed.uf.messaging.binary21" to "com.nasdaq.cqt"

The following **new messages** have been added:

- Issue Symbol
- Trading Action
- Market Center Trading Action
- NBBO Quote Message
- Limit Up Limit Down
- Market Wide Circuit Breaker
- Market Wide Circuit Breaker Decline Level
- Regulation SHO Restriction Indicator

The following **Codes** have been renamed:

- Using numbers to represent ''Market Tier Value'' Code instead of characters
- Using numbers to represent ''Financial Status'' Code instead of characters

Change date: 05/28/2024

In accordance with recent SEC rule change, per the Equity Trader Alert, Nasdaq will no longer be disseminating Sale Condition code “N” Next Day Settlement on respective trade feeds.

Nasdaq - Internal Use: Distribution limited to Nasdaq personnel and authorized third parties subject to confidentiality obligations