



TRADING TECHNOLOGIES

MX: API Upgrade: Client Identifiers

Version 1.0

Sep 2024

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Revision History

Date	Version	Description
September 16, 2024	1.0	Initial publication

MX: API Upgrade: Client Identifiers

MX has announced a SAIL protocol upgrade (B4), with a soft launch date of June 28, 2024, and a new production hard date of March 31, 2025, extended from the original October 1, 2024 deadline. https://www.m-x.ca/f_circulaires_en/074-24_en.pdf

This upgrade includes the introduction of the following new fields for regulatory compliance:

- Short Code
- UniqueID
- Sponsored Access Flag
- Algo Trading Flag

These fields will be configurable on TT User Setup on Accounts. Please refer to the table below for corresponding TT fields to set these fields.

MX new fields	Corresponding TT fields on accounts
Unique ID (alphanumeric)	Investment Decision ID
Sponsored Access Flag (boolean: Y/N, default: empty value)	Direct Electronic Access (DEA)
Client Short Code (numeric)	Client ID
Algo Trading Flag (boolean: Y/N, default: empty value)	Investment Decision Qualifier

TT will always send the Algo Trading Flag. If the Investment Decision Qualifier is configured on TT User setup on accounts, it will use that value, else TT will set it based on the type of order the user is routing. (TT premium order types: Automatic, TT Synthetic order types: Automatic, MX native order types: Manual).

FIX clients can override all these fields with the following tags,

Investment Decision ID (tag 448), PartyRole (tag 452), Investment Decision Qualifier (tag 2376), Client ID (tag 448), and Direct Electronic Access (tag 1724)

- Investment Decision ID: 448= <value>, 452=122(Investment decision maker (IDM)) and 2376=22 (Algo) or 2376=24 (Natural Person)
- ClientID: 448= <value>, 452=3 (ClientID), 2376=23 (Firm or legal entity)

- Direct Electronic Access (DEA): 1724=5 (Order from a direct access or sponsored access customer)

The following are the anticipated milestones for this project:

Milestone	Expected Date	Delivered Date
Exchange Upgrade Announcement	11/8/2023	11/8/2023
Exchange Preliminary Specifications	12/19/2023	12/19/2023
Exchange Simulation Available	12/19/2023	12/19/2023
TT conformance with MX	6/3/2024	5/15/2024
MX Soft Launch in Production	6/28/2024	NA
Deployment of Short Codes to TT UAT	6/28/2024	5/30/2024
Deployment of Short Codes to TT Production at the end of the trading session.	8/23/2024	8/23/2024
MX Hard Launch in Production	3/31/2025	NA

IMPORTANT NOTE:

The MX SAIL B4 API upgrade has been deferred to later this month in order to allow TT to ensure correct configurations are in place for all customers. We will announce the new date of the upgrade in due course. All the customers are encouraged to link their sessionIDs related to Trading Technologies to "Order Connector v255 – B4" on [MX Axis portal](#).

- *Investment Decision ID*: Alphanumeric field, max 10 characters
- *Investment Decision Qualifier*: Yes/ No drop -down on accounts
- *Direct Electronic Access (DEA)*: Yes/ No drop -down on accounts
- *Client ID*: Numeric only field, max 10 characters

When none of the new fields are set, the order will not be denied by MX.

When the "Instrument Decision ID" or "Client ID" fields are configured with more than 10 characters, the order will be denied internally by TT. The denial message will state: "Exchange does not support UniqueID or ShortCode greater than 10."

The “Client ID” must be numeric only. If it is configured as an alphanumeric value, such as “Client123”, the order will be denied internally by TT with the message: “Exchange does not support negative or invalid short code.”

Additional Resources

[MX Client and Order Identifiers](#)

[TT FIX Tag Directory](#)

[PartyGroups](#)