

Actionable ID Field Mapping Document

| Exchange | FIX Tag for Customer ID | Proprietary Transmission Protocols | |
|--------------|-------------------------|------------------------------------|--------------------------------------|
| | | System | Field Name for Customer ID |
| BATS | Tag 1 | Binary Order Entry | Account |
| EDGX | Tag 1 | Binary Order Entry | Account |
| BOXX | Tag 1 | SAIL | Clearing Instruction and Owner Field |
| Cboe* | Tag 440 | CMI | Sub-account |
| C2 | Tag 1 | Binary Order Entry | Account |
| NASDAQ ISE | Tag 1 | OTTO | Account |
| NASDAQ MCRY | Tag 1 | OTTO | Account |
| NASDAQ GEM | Tag 1 | OTTO | Account |
| MIAX Options | Tag 1 | MEI | N/A |
| MIAX PEARL | Tag 1 | MEO | Account |
| NASDAQ BX | Tag 1 | FIX Only | N/A |
| NASDAQ OX | Tag 1 | FIX and OTTO | Account |
| NASDAQ PHLX | Tag 1 | FIX Only | N/A |
| NYSE AMEX | Tag 1 | Arca Direct | Account |
| NYSE ARCA | Tag 1 | Arca Direct | Account |

Inbound Exchange Trade Messages to OCC

| Buy Side Account (Customer Acct #) | Sell Side Account (Customer Acct #) |
|------------------------------------|-------------------------------------|
| Tag # 448 | Tag # 448 |

OCC Outbound DDS Messages to Members and Exchanges

| Customer Account Number (Account#) Tag #448 |
|---|
| Trade Capture Report – Pty ID “ “ R="24" |

*Cboe will convert to using Tag 1 for Customer ID upon migration to BATS technology in October 2019.