

ICE iImpact Multicast Feed FAQ

Questions	Answers
1. How can we get multicast feed in test environments?	<p>Multicast feed for test environments are provided through tunnelling. All you need is to run the tunnel proxy program provided by ICE, which connects to ICE through TCP, gets all messages and sends them out through multicast on your local network.</p> <p>Please refer to iImpact Multicast Feed Technical Spec and Getting Started document on more details.</p>
2. Why is replay not supported for snapshot channels?	<p>Snapshot channels are designed for client recovery or start up. If there is packet loss while client is listening to the snapshot channels, client should try it again.</p> <p>If client keeps missing messages on the snapshot channels, the same thing would happen to the live update channels. So the recovery for snapshot is not going to help. It is not going to work if there are frequent packet losses whether there is recovery for snapshot channels or not.</p>

3. How to test whether we can connect to the TCP or tunnelling servers in test environments?	Just telnet to the IP/Port. Work with your network department if there is a problem. All our test ports are open for access through the Internet.
4. When can we stop listening to the snapshot channel?	After you get the snapshots for the markets/contracts you are interested in, snapshot channel is not needed any more.
5. How do we know what multicast channel is used for a particular market type?	The list of supported market types and their corresponding multicast product groups are listed under the appendices section in ICE iMpatc Multicast Feed Message Spec.
6. Can we use the iMpatc TCP test user ID to login into the multicast feed TCP request server?	Yes, you can do that. However the same ID cannot be used to login to both servers at the same time.
7. Why are we getting messages of type ‘?’ periodically on API Test and PerfTest environments?	That is the message for test environments only to ensure that clients can handle unknown messages correctly.
8. I tried to connect to the test environment and got code 3 (password expired) returned in the Login Response. What happened?	Password expires right after ID is created. Client gets this error until password is changed through WebICE.

<p>9. How does the feed server handle duplicate login?</p>	<p>With iMPact feed, the second login always forces out previous login. It is done that way so that customers don't get into the situation where they cannot login because for whatever reason the previous session is stuck.</p>
<p>10. Client connected to APITest, didn't see many messages. What happened? How can I see more messages?</p>	<p>The traffic in the APITest env could be sporadic because they are generated by customer testing. You might be able to see more messages with market type 5 (Brent) and 9 (WTI) because more testing are done in those markets. You can also generate your own traffic with a test trader ID through WebICE.</p> <p>If you are close to completion of feed client development, you can request access to the PerfTest environment which does playback of prior day production data.</p>
<p>11. What are the operating hours for APITest and PerfTest environments?</p>	<p>APITest should be up all the time during a short nightly bounce (about 7pm EST), though support is only available during normal office hours. PerfTest are only available during playback hours, which could be subject to change from time to time. Please contact us on the latest playback hours.</p>
<p>12. Length for MarketID in the spec is 4. Is that enough?</p>	<p>MarketID is a numeric field, which is in binary format (Big Endian) for the iMPact feed. With a length of 4, the value can be very big and it is enough for market ID (currently 6 digits).</p>

<p>13. How can I verify that my local book is correct?</p>	<p>WebICE can be used for comparison. Contact price feed support to get webice test ID for test environments. You can also use the iMpacT feed test client included in the Getting Started package.</p>
<p>14. Upon receipt of TradeMessage, shouldn't I deduct the quantity for the order in my book instead of removing the order? (For Full Order Depth Only)</p>	<p>In case of partial fill, the exchange removes the old order and creates a new order with different ID. If client deducts the quantity instead of removing the order that got partially filled, it will be wrong. Thus we recommend client to delete the order from local book upon receipt of a TradeMessage.</p>
<p>15. If a new order is created in case of partial fill, how can client keep the priority of the order? (For Full Order Depth Only)</p>	<p>The entry timestamp of the new order is the same as that for the partial filled order. And that should be used in sorting at a particular price level.</p> <p>Apparently, for client that doesn't care about order depth at a price level, it is not an issue.</p>
<p>16. Could client get a DeleteOrderMessage with order ID not referenced by AddModifyOrderMessage previously received? (For Full Order Depth Only)</p>	<p>Yes, that could happen under certain scenarios. Client can ignore the DeleteOrderMessage in that case.</p>
<p>17. Could client get a TradeMessage with order ID not referenced by AddModifyOrderMessage previously received? (For Full Order Depth Only)</p>	<p>Yes, that could happen under certain scenarios.</p>

<p>18. What processing should I be doing on the 'H' Investigated Trade message?</p>	<p>It depends on the client application. However, Investigated Trade message has no effect on the order book and thus it is ignored by some customers.</p> <p>A trade placed under investigation typically ends up in one of two outcomes: it is either subsequently cancelled, or returned back to its original status. If the trade is cancelled, you will receive a Cancelled Trade Message.</p>
<p>19. What processing should I be doing on the 'I' Cancelled Trade message?</p>	<p>Cancelled Trade Message has no impact the order book because the system would not put the orders back.</p> <p>If client keeps track of deals, it should flag or remove the cancelled trade. Cancelled Trade message is usually followed by a Market Statistics message with update of the stats. However, if client does its own market stats processing, it should make the adjustment accordingly.</p>
<p>20. I am not sure of the differences between message 'D' (Market Snapshot Order) and 'E' (Add/Modify Order). Both messages carry the same information and are treated the same in my code. Am I missing something obvious? (For Full Order Depth Only)</p>	<p>Market Snapshot Order is sent to the client right after the snapshot message, while "Add/Modify Order" is real time message. But they could be treated the same for updating your book.</p>
<p>21. How shall I treat the IsImplied flag? I assume this flag applies to spread orders being implied out of the plain futures orders and also plain futures orders</p>	<p>Implied orders (both spread and plain futures) are tradeable and they should be shown on the book.</p>

<p>being implied out of the spread orders. The question is, are implied orders (both spread and plain futures) tradeable and therefore do they need to be shown on the book? (For Full Order Depth Only)</p>	<p>If you are using WebICE for comparison, please be aware that WebICE has its own implied engine and might display implied prices much farther out the curve. What you see there might not match with what you get via iMPact Price Feed unless WebICE's implied engine is turned off.</p> <p>For more details on implied orders: https://www.theice.com/publicdocs/technology/Additional_Implieds_FAQ.pdf</p>
<p>22. What is the IsSystemPricedLeg flag in TradeMessage?</p>	<p>This value indicates if the trade price is system generated or not. System priced legs are typically the result of an exchange-native spread (crack spread or calendar spread) being executed in conjunction with another spread market on the system. In these instances, the system will notify the transaction price of the spread and the leg prices to the appropriate leg market contracts.</p> <p>System priced leg prices do not update contracts statistics, specifically High, Low, and WAP. Due to system pricing mechanics and exchange imposed price reasonability checks, there is the very real potential that one or both legs of a system price spread may violate the resting bid/ask of the leg market contracts at the point of trade. System priced legs cannot be relied upon as indicative of the bid/ask prices in the leg market contract. Accordingly, these system priced leg prices cannot be relied upon as valid real-time market price indicators, and thus, <i>must not be relied upon</i> to trigger client side synthetic order types in the leg market contracts such as Stops, Stop Limits, etc.</p>

23. Does the Volume figure supplied by iMpat feed contain busted trades and block trades and other things that might be considered actions not initiated by the matching engine (i.e. off market trades)?	No. It doesn't include busted trades or block trades.
24. Will you send a market statistics message following a Cancelled Option Trade Message to reflect the change of market statistics?	Yes.
25. We currently use the JAVA API and we have the problem of out-of-sequence notifications. We want to know if this problem persists in the IMPACT data feed.	Out of sequence issue is resolved on the server side for the iMpat feed. Client can assume the messages it receives are in the right sequence.
26. What should we do with OrderSequenceID in AddModifyOrderMessage? (For Full Order Depth Only)	OrderSequenceID was used for out-of-sequence detection and it is there for legacy reason. You can ignore it.
27. How do I interpret IsRFQ? Can such orders be traded? Or should they not be shown on the book? (For Full Order Depth Only)	They can not be traded, and thus should not be shown on the book.
28. Is contract symbol supported in OTC markets?	No. Currently, it is only supported for Futures markets. Support for OTC markets is on the road map.

29. How to apply for ID in production?	iMPact feed production IDs can be requested through your ICE user admin.
30. Is conformance required prior to production access?	Yes. Please contact conformancesupport@theice.com for conformance when you are ready.
31. What is daily maintenance for API test environment?	Daily 6:30 PM to 8:30 PM except Wednesday when there is an additional maintenance at 1PM to 3PM. All times EST.
32. What is availability and playback timings in Perf Test environment?	<p>Monday to Friday 5 AM - 7 AM, 10 AM - 12 PM and 3 PM - 5 PM Tuesday to Thursday there is an additional session from 8 PM to 10 PM All times in EST/EDT.</p> <p>10 AM - 12 PM, 3 PM - 5 PM and 8 PM - 10 PM Tuesday to Thursday there is an additional session from 1 AM to 3 AM All times in GMT/BST.</p>
33. Can settlement price be published during the maintenance period?	Yes. In this case, the settlement price for the previous day can be retrieved from the Market Snapshot Message after the maintenance window. The SettlePriceDateTime field on this message indicates the time when the settlement price was last published.

