

# ASX Trade Market Data Feed Conformance Process



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## 1. Introduction

The ASX application conformance test process is designed to help protect market participants from any erroneous application behaviour that may be disruptive to the market due to non-conformance.

The conformance process applies to any application that connects to the ASX Production environment for Market Data Feed services.

All customer applications must pass the ASX Conformance process prior to accessing the Production market.

Except for certain mandatory functions, customers are required to complete only the conformance test scenarios which relate to the functionality they will use in the Production environment. All other test scenarios may be omitted.

### 1.1. Purpose

The purpose of this document is to provide an overview of the ASX Trade Market Data Feed Conformance test and set expectations regarding conduct and expected results.

### 1.2. Readership

This document outlines the test scenarios customers need to pass to certify their Market Data Feed software applications.

Technical staff within ASX Trade participants and information vendors and other market participants that connect directly to the ASX Trade Platform are expected to read this document and understand the requirements of this process.

### 1.3. Document history

Issue	Date	Description
1.0	January 2026	First release of document

### 1.4. Enquiries

Please contact [CTS@asx.com.au](mailto:CTS@asx.com.au) or your Technical Account Manager if you have any questions relating to this document.

## 2. ASX Conformance Process

The ASX conformance process provides guidelines for customers to ensure their software conforms to ASX Trade operating rules and technical specifications.

ASX expects customers to become conversant with the ASX development platform and develop their applications to a state of readiness for conformance testing. At this point they can contact ASX to schedule a date and time to undertake the conformance test. ASX requires customers to have finalised their software, meaning that said software is in a production-ready state, before booking the test.

The conformance process is as follows.

- Customers must submit their conformance checklist to CTS and clearly indicate the following:
  - The application name and version
  - The usernames being utilized to perform the scenarios
  - The test scenarios their application will not complete along with the reason
  - Start and end time of their self-test
- Customers must then advise CTS once they have completed performing their self-test scenarios; CTS will proceed to validate the outcome of the self-test. Once the self-test scenarios are validated as complete by CTS, customers can go on to perform the assisted test scenarios live on a call by a member of the CTS team. These assisted test slots are of 30 minutes duration, where if not completed inside this window customers will need to book an additional slot
- Upon completion of the assisted testing, CTS will then validate the results of the overall conformance test

### 2.1. When to Repeat Conformance Testing

While it is encouraged to perform regular testing, customers are required to perform software conformance with the ASX when:

- Software is modified in any way that may affect or directly impact ASX connectivity or messaging
- Additional ASX facing functionality is added to an already conformed application
- Software is recompiled for a new operating system
- ASX upgrades or changes its production environment and deems the change mandatory
- During extended periods of absence when the software is not connected to ASX
- Erroneous or disruptive behaviour is identified in the Production Environment
- Upon specific request from the ASX

ASX software conformance testing is optional but recommended when:

- Customer software is recompiled on the same operating system with minor changes, or new builds which have no assumed impact to ASX connectivity or messaging
- Independent Software Vendor (ISV) applications have passed conformance testing and the same software and version is to be used by new or existing customers of the ISV on new customer infrastructure

### 2.2. Non-Compliant software



**Warning:**

ASX reserves the right to block access to the production system by non-compliant software. ASX will require successful completion of a conformance test prior to re-connection.

## 2.3. Conformance Testing

To successfully complete Application Conformance Testing the customer's software application needs to have established a connection to the ASX Trade Testing Environment (CDE/CDE+). These platforms simulate the ASX production environment and is designed to give a "Production-like" platform to develop and test against.

## 2.4. Prior to Conformance

Customers should ensure they have read and understand the specification documents pertaining to the interfaces they are developing against.

Customers should then discuss the intended functionality of their applications with their TAMs to ensure all steps were followed and the process is fully understood.

The CTS team will be available to assist customers in completing their tests, if required.

Customers must submit the application conformance checklist as provided by the CTS team with all functions not supported by the software clearly marked.

The checklist must be sent to [CTS@asx.com.au](mailto:CTS@asx.com.au) prior to the test to validate the successfully attempted test scenarios.

## 2.5. Expectations during Conformance

- Customer must maintain a stable connection
- Customers should refer to the [ASX Operating Rules](#) for guidelines on acceptable market behaviour
  - Adherence to these guidelines is required throughout all customer application conformance testing
  - Failure to comply with these guidelines will result in failure of the conformance test

## 2.6. Categories

**Mandatory** – must be attempted and passed.

**Supported Functionality** – this case is conditionally mandatory if you intend to support this functionality in Production.

**Not Supported** – on the checklist, Supported Functionality scenarios can be set to *Not Supported* under the following conditions:

- When the functionality will not be used in Production
- The conformance checklist clearly states the reason it is Not Supported

### 3. Self-testing Conformance Scenarios

The customer is responsible for completing this section of the conformance test. All activities performed during this segment of the conformance test are logged. On completion of this segment of the conformance test, ASX will review logs to ensure that applicable test scenarios were successfully completed by the customer application.

#### 3.1. Recovery Request

<b>Category</b>	Mandatory	
<b>Description</b>	The purpose of this test is to ensure that the application can successfully complete an MDF recovery request and receive an End of Recovery Packet.	
<b>Requirements</b>	Network connectivity to MDF Recovery Server.	
<b>#</b>	<b>Test Scenarios</b>	<b>Expected Results</b>
1.	Send a Request Packet specifying the sequence number of the first message to re-transmit and the number of messages to be resent.	The Request Server will respond with the requested sequence message as defined in the ASX Trade MDF specification.

#### 3.2. Glimpse Snapshot

<b>Category</b>	Mandatory	
<b>Description</b>	The purpose of this test is to ensure that the application can use the MDF Glimpse Service to receive a data snapshot of the market.	
<b>Requirements</b>	Network connectivity to MDF Glimpse Server.	
<b>#</b>	<b>Test Scenarios</b>	<b>Expected Results</b>
1.	The client application makes a connection to the MDF Glimpse IP/port and establishes a TCP/IP connection.	The MDF Glimpse Service sends a current market data picture and end of snapshot message.

### 4. ASX Assisted Conformance Scenarios

This phase of the conformance test process is allocated for one-to-one testing between the participant and a member of ASX Customer Technical Support. These scenarios will be tested in a controlled manner with both sides on the phone confirming each test in turn independently.

This session should only be booked with ASX when the “Self-testing” phase is successfully completed.

#### 4.1. Order and Trade Validation

<b>Category</b>	Mandatory	
<b>Description</b>	The purpose of this test is to ensure that the application can correctly receive updates regarding order and trade activity. This scenario utilises the Market by Price (b) and Trade Ticker (i) messages.	
<b>Requirements</b>	Participant must subscribe to Market Data Feed.	
<b>#</b>	<b>Test Scenarios</b>	<b>Expected Results</b>
1.	ASX enters orders on a security as agreed with the participant.	The participant will need to confirm the price and size of the orders as received via the Market by Price (b) message.

2.	ASX to then trade existing order and question the participant on the current price and volume of the order.	Participant to answer what volume is left on the order and confirm the order state via the Trade Ticker (i) message. Participant to confirm total volume traded for contract.
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## 4.2. Session State Validation

Category	Mandatory	
Description	The purpose of this test is to ensure that the application can correctly receive and interpret the Order Book State Message (O).	
Requirements	Participant must subscribe to Market Data Feed.	
#	Test Scenarios	Expected Results
1.	ASX will edit the order book state of a security of the participants choosing.	The participant will need to confirm the new Trading Session State of the agreed product via the Order Book State Message (O).

## 4.3. Market Announcement Validation

Category	Supported Functionality	
Description	The purpose of this test is to ensure that the application can correctly receive and interpret the Market Announcement Message (N).	
Requirements	Participant must subscribe to Market Data Feed.	
#	Test Scenarios	Expected Results
1.	ASX will send a conformance specific market announcement.	The participant will need to confirm the market announcement sent via the Market Announcement Message (N).