

**NTP Industry-Wide Test  
Information Pack  
Version 1.1 | October 2016**

INFORMATION CLASSIFICATION - PUBLIC



## Table of Contents

1. Introduction .....	3
1.1. Purpose and Audience.....	3
1.2. Enquiries .....	3
2. IWT Checklist.....	4
2.1. IWT Requirements and Actions .....	5
2.2. Test Scenarios.....	6
3. Detailed IWT Schedule .....	7
3.1. IWT: Day 1 — 10 October 2016.....	7
3.2. IWT: Day 2 — 11 October 2016.....	8
3.3. IWT: Day 3 — 12 October 2016.....	9
3.4. IWT: Day 4 — 13 October 2016.....	10
3.5. IWT: Day 5 — 14 October 2016.....	11
3.6. IWT: Day 6 — 17 October 2016.....	12
3.7. IWT: Day 7 — 18 October 2016.....	13
3.8. IWT: Day 8 — 19 October 2016.....	14
3.9. IWT: Day 9 — 20 October 2016.....	15
3.10. IWT: Day 10 — 21 October 2016.....	16
4. Conclusion.....	17

## 1. Introduction

The Australian Securities Exchange (ASX) will conduct an Industry-Wide Test (IWT) of ASX's New Trading Platform (NTP) over a 2-week period, from 10 – 21 October 2016.

The IWT is designed to simulate a number of market events that occur throughout a trading year, during the 2-week test period. The intent is to prepare customers for the launch of ASX NTP, which replaces ASX Trade24, scheduled for February 2017.

The NTP IWT will be conducted on the Customer Development Environment (CDE) and is mandatory for all ASX derivatives market participants and customers. The CDE is an end-to-end environment connecting to a downstream Genium Clearing test platform. Customers should therefore engage with their Clearers for the duration of this test.

In preparation for the IWT, customers should ensure their own internal systems are ready to commence industry-wide testing, including receipt of the requisite software from their software provider/s. Any such software should have passed ASX conformance testing prior to IWT commencement.

Customers must complete appropriate internal scheduling activities ahead of NTP IWT commencement as per the [checklist](#) provided in this document.

### 1.1. Purpose and Audience

This document is primarily relevant to operational and technical staff within ASX 24 participants, information vendors, and other market participants that connect directly to ASX's New Trading Platform. It describes the key requirements and expectations for successful completion of the IWT and outlines the expected schedule.

### 1.2. Enquiries

The Customer Development Environment (CDE) and NTP Genium Clearing Test operate as per current Australian derivative market production hours:

- **Customer Technical Support:** [cts@asx.com.au](mailto:cts@asx.com.au) | +612 9227 0372 | 1800 663 053
- **ASX Trading Operations:** [tradingoperations@asx.com.au](mailto:tradingoperations@asx.com.au) | +612 9256 0677 | 1300 655 560
- For **Escalations**, contact your ASX Technical Account Manager.



## 2. IWT Checklist

Customers must ensure they comply with checklist items below prior to IWT commencement. Failure to do so may result in the customer being unable to participate in the IWT.

Requirement/Action	Yes/No
Connectivity to the latest software versions of CDE, ASX Trading Terminal, Risk & Admin Terminal (ART), and NTP Genium Clearing Test. Refer to the <a href="#">NTP Document Library</a> for technical and connectivity specifications.	
Familiarity with NTP procedures including, Shared Order Group administration, Account and Limits Set Up, and Upload functionality.	
<p>For Clearing Participants, confirmed end-to-end functionality through the CDE to NTP Genium Clearing test.</p> <p>Clearing Participants should also verify the field changes outlined in the <a href="#">Considerations for Clearing Participants</a> document available in the <a href="#">NTP Document Library</a>.</p>	
<p>Confirm your IWT participation, via email to <a href="mailto:cts@asx.com.au">cts@asx.com.au</a>, by nominating at minimum:</p> <ul style="list-style-type: none"> <li>• 1 operational/technical testing contact</li> <li>• 1 escalation contact</li> </ul>	
<p>List the application you intend to use with each user log in session</p> <p>E.g. XYZO1 – confirm in-house/vendor software name</p>	

## 2.1. IWT Requirements and Actions

In conducting the IWT, the ASX will:

### ASX

- Generate daily test trading activity.
- Act as a participant counterpart for selected tests (upon request).
- Simulate standard market and calendar events.
- Monitor IWT activities to ensure progress is being made as expected.

As IWT participants, customers are expected to:


### Customers

- Enter realistic, production-like pricing.
- Advise ASX of any issues/impediments as they occur.
- Test API, in-house, and ASX-provided software as required by their business model.
- Confirm completion of IWT by email to ASX, outlining any issues experienced.
- Ensure no excessive load/performance testing is done in the CDE.

## 2.2. Test Scenarios

The test schedule will include activities listed below. Customers should test the scenarios as applicable, based on their own business requirements. The daily test schedule outlines the test scenario timings and activities.

- Spread ratio adjustments
- Regulatory halts (facilitates resetting of price bands)
- Option strike extensions
- New futures expiry month listing
- Market Halt Scenario
- Primary Matching Engine failover scenario
- Facilitated Order and Trade cancellation
- New product listing simulation of contract AW (will be listed with same parameters as Mini-SPI/AM)
- Public holiday scenarios
- Ad hoc scenarios as required

 **Note:** ASX prescribed scenarios are a baseline tests and customers should test all additional scenarios\*\* as required by their individual business model.

**\*\*Scenarios must not include excessive load/performance testing.**

### 3. Detailed IWT Schedule

#### 3.1. IWT: Day 1 — 10 October 2016

Market Event Simulation	Time (AEDT)	Required Customer Action/s
YT/XT Spread Ratio Adjustment to 33:10	ASX maintenance occurs on business trading date 10 October  Change is live on business trading date 11 October	<ul style="list-style-type: none"> <li>Enter orders on YT/XT Spread</li> </ul>
AP Regulatory Halt	11.30am – First regulatory halt simulation  11.30pm – Second regulatory halt simulation	<ul style="list-style-type: none"> <li>Prior to halt, enter order in AP Intra and AP-AM inter-spreads</li> <li>Confirm market halt for contract</li> <li>Confirm receipt of Market Data Protocol (MDP) Text Message (x) or FIX News message (35=B) regarding Regulatory Halt and resumption time</li> <li>Validate purge of any spread orders</li> <li>Confirm removal of halt</li> </ul>
Order/Trade Cancellation	Available during day and night sessions	<ul style="list-style-type: none"> <li>Contact <a href="#">ASX Trading Operations</a> providing order/deal number to facilitate Trade and Order cancellations</li> <li>Verify resulting cancellation messages</li> <li>T+1 cancellation not available</li> </ul>
New Product Listing simulation Preparation – Pre Trade Risk Management (PTRM) setting  AW – Dual Session Index Future	Product is live on business trading date 17 October	<ul style="list-style-type: none"> <li>Simulation contract AW will be visible in ART to set PTRM limits</li> <li>Access the contract via ART</li> <li>Set required limits</li> </ul>

### 3.2. IWT: Day 2 — 11 October 2016

Market Event Simulation	Time (AEDT)	Required Customer Action/s
IR/YT Spread Ratio Adjustment to 20:17	ASX maintenance occurs on business trading date 11 October  Change is live on business trading date 12 October	<ul style="list-style-type: none"> <li>Enter orders on IR/YT Spread</li> <li>Validate order entry and fills from Day 1's YT/XT ratio adjustment</li> </ul>
AM Regulatory Halt	11.30am – First regulatory halt simulation  11.30pm – Second regulatory halt simulation	<ul style="list-style-type: none"> <li>Prior to halt, enter order in AM Intra and AP-AM inter-spreads</li> <li>Confirm market halt for contract</li> <li>Confirm receipt of Market Data Protocol (MDP) Text Message (x) or FIX News message (35=B) regarding Regulatory Halt and resumption time</li> <li>Validate purge of any spread orders</li> <li>Confirm removal of halt</li> </ul>
Order/Trade Cancellation	Available during day and night sessions	<ul style="list-style-type: none"> <li>Contact <a href="#">ASX Trading Operations</a> providing order/deal number to facilitate Trade and Order cancellations</li> <li>Verify resulting cancellation messages</li> <li>T+1 cancellation not available</li> </ul>
New Product Listing simulation Preparation – Pre Trade Risk Management (PTRM) setting  AW – Dual Session Index Future	Product is live on business trading date 17 October	<ul style="list-style-type: none"> <li>Simulation contract AW will be visible in ART to set PTRM limits</li> <li>Access the contract via ART</li> <li>Set required limits</li> </ul>



### 3.3. IWT: Day 3 — 12 October 2016

Market Event Simulation	Time (AEDT)	Required Customer Action/s
<p>APH7 Strike Extension</p> <p>Upper range extended to include strikes from 70250 to 72000, inclusive</p>	<p>ASX maintenance occurs on business trading date 12 October</p> <p>Change is live on business trading date 13 October</p>	<ul style="list-style-type: none"> <li>Verify new strikes visible after increment of business trading date</li> <li>Validate order entry for new strikes</li> </ul>
<p>TY/TN Spread Ratio Adjustment to 29:10</p>	<p>ASX maintenance occurs on business trading date 12 October</p> <p>Change is live on business trading date 13 October</p>	<ul style="list-style-type: none"> <li>Enter orders on TY/TN Spread</li> <li>Validate order entry and fills from Day 3's IR/YT ratio adjustment</li> </ul>
<p>Market Halt Scenario</p>	<p>Activities from 10am</p>	<ul style="list-style-type: none"> <li>As outlined in the <a href="#">IWT System Recovery Document</a>, ASX will halt the market, fail over to DR, then recover back to primary and subsequently resume the market.</li> </ul>
<p>Order/Trade Cancellation</p>	<p>Available during day and night sessions</p>	<ul style="list-style-type: none"> <li>Contact <a href="#">ASX Trading Operations</a> providing order/deal number to facilitate Trade and Order cancellations</li> <li>Verify resulting cancellation messages</li> <li>T+1 cancellation not available</li> </ul>
<p>New Product Listing simulation</p> <p>Preparation – Pre Trade Risk Management (PTRM) setting</p> <p>AW – Dual Session Index Future</p>	<p>Product is live on business trading date 17 October</p>	<ul style="list-style-type: none"> <li>Simulation contract AW will be visible in ART to set PTRM limits</li> <li>Access the contract via ART</li> <li>Set required limits</li> </ul>



### 3.4. IWT: Day 4 — 13 October 2016

Market Event Simulation	Time (AEDT)	Required Customer Action/s
YT/XT Spread Ratio Adjustment to 34:10	ASX maintenance occurs on business trading date 13 October  Change is live on business trading date 14 October	<ul style="list-style-type: none"> <li>Enter orders on YT/XT Spread</li> <li>Validate order entry and fills from Day 3'S TY/TN ratio adjustment</li> </ul>
Order/Trade Cancellation	Available during day and night sessions	<ul style="list-style-type: none"> <li>Contact <a href="#">ASX Trading Operations</a> providing order/deal number to facilitate Trade and Order cancellations</li> <li>Verify resulting cancellation messages</li> <li>T+1 cancellation not available</li> </ul>
New Product Listing simulation Preparation – Pre Trade Risk Management (PTRM) setting  AW – Dual Session Index Future	Product is live on business trading date 17 October	<ul style="list-style-type: none"> <li>Simulation contract AW will be visible in ART to set PTRM limits</li> <li>Access the contract via ART</li> <li>Set required limits</li> </ul>

### 3.5. IWT: Day 5 — 14 October 2016

Market Event Simulation	Time (AEDT)	Required Customer Action/s
IR/YT Spread Ratio Adjustment to 20:16	ASX maintenance occurs on business trading date 14 October  Change is live on business trading date 17 October	<ul style="list-style-type: none"> <li>• Enter orders on IR/YT Spread</li> <li>• Validate order entry and fills from Day 4's YT/XT ratio adjustment</li> </ul>
Order/Trade Cancellation	Available during day and night sessions	<ul style="list-style-type: none"> <li>• Contact <a href="#">ASX Trading Operations</a> providing order/deal number to facilitate Trade and Order cancellations</li> <li>• Verify resulting cancellation messages</li> <li>• T+1 cancellation not available</li> </ul>
Half Day Trading Simulation (Christmas Eve / New Year's Eve)	NZFX Products Close – 10:00am (Sydney time)  XSFE Energy, Agricultural and Debt Products Close – 12:30pm  XSFE Index Products Close – 14:30	<ul style="list-style-type: none"> <li>• Manage reduced trading window</li> <li>• Confirm receipt of settlement message</li> <li>• Observe night session not available for business trading date 17 October</li> </ul>
New Product Listing simulation Preparation – Pre Trade Risk Management (PTRM) setting	Product is live on business trading date 17 October	<ul style="list-style-type: none"> <li>• Simulation contract AW will be visible in ART to set PTRM limits</li> <li>• Access the contract via ART</li> <li>• Set required limits</li> </ul>

AW – Dual Session Index Future		
--------------------------------	--	--

### 3.6. IWT: Day 6 – 17 October 2016

Market Event Simulation	Time (AEDT)	Required Customer Action/s
YT/XT Spread Ratio Adjustment to 33:10	ASX maintenance occurs on business trading date 17 October  Change is live on business trading date 18 October	<ul style="list-style-type: none"> <li>• Enter orders on YT/XT Spread</li> <li>• Validate order entry and fills from Day 5's IR/YT ratio adjustment</li> </ul>
Expiry Simulation XT & YT Serial Options	Expiring series close at 12:30pm	<ul style="list-style-type: none"> <li>• Validate final settlement price sent via MDP Text Message (x) or FIX News (35=B) message after 12:30pm</li> <li>• Newly listed series available as of next business trading date.</li> </ul>
New Product Listing Simulation Live Date  AW – Dual Session Index Future	Market Open	<ul style="list-style-type: none"> <li>• Validate order entry and fills</li> </ul>
Order/Trade Cancellation	Available during day and night sessions	<ul style="list-style-type: none"> <li>• Contact <a href="#">ASX Trading Operations</a> providing order/deal number to facilitate Trade and Order cancellations</li> <li>• Verify resulting cancellation messages</li> <li>• T+1 cancellation not available</li> </ul>



### 3.7. IWT: Day 7 — 18 October 2016

Market Event Simulation	Time (AEDT)	Required Customer Action/s
IR/YT Spread Ratio Adjustment to 20:17	ASX maintenance occurs on business trading date 18 October  Change is live on business trading date 19 October	<ul style="list-style-type: none"> <li>• Enter orders on IR/YT Spread</li> <li>• Validate order entry and fills from Day 6's YT/XT ratio adjustment</li> </ul>
Expiry of VI Future	Expiring future closes at 12:00pm	<ul style="list-style-type: none"> <li>• Newly listed future available as of next business trading date</li> </ul>
Order/Trade Cancellation	Available during day and night sessions	<ul style="list-style-type: none"> <li>• Contact <a href="#">ASX Trading Operations</a> providing order/deal number to facilitate Trade and Order cancellations</li> <li>• Verify resulting cancellation messages</li> <li>• T+1 cancellation not available</li> </ul>

### 3.8. IWT: Day 8 — 19 October 2016

Market Event Simulation	Time (AEDT)	Required Customer Action/s
TY/TN Spread Ratio Adjustment to 30:10	ASX maintenance occurs on business trading date 19 October  Change is live on business trading date 20 October	<ul style="list-style-type: none"> <li>• Enter orders on TY/TN Spread</li> <li>• Validate order entry and fills from Day 7's IR/YT ratio adjustment</li> </ul>
Order/Trade Cancellation	Available during day and night sessions	<ul style="list-style-type: none"> <li>• Contact <a href="#">ASX Trading Operations</a> providing order/deal number to facilitate Trade and Order cancellations</li> <li>• Verify resulting cancellation messages</li> <li>• T+1 cancellation not available</li> </ul>
VI Final settlement price sent	12:00pm	<ul style="list-style-type: none"> <li>• Validate final settlement price sent via MDP Text Message (x) or FIX News (35=B) message</li> </ul>

### 3.9. IWT: Day 9 — 20 October 2016

Market Event Simulation	Time (AEDT)	Required Customer Action/s
YT/XT Spread Ratio Adjustment to 34:10	ASX maintenance occurs on business trading date 20 October  Change is live on business trading date 21 October	<ul style="list-style-type: none"> <li>Enter orders on YT/XT Spread</li> <li>Validate order entry and fills from Day 8's TY/TN ratio adjustment</li> </ul>
BSU7 Strike Extension  Upper range extended to include strikes from 13100 to 14000, inclusive	ASX maintenance occurs on business trading date 20 October  Change is live on business trading date 21 October	<ul style="list-style-type: none"> <li>Verify new strikes visible after increment of business date</li> <li>Validate order entry for new strikes</li> </ul>
Order/Trade Cancellation	Available during day and night sessions	<ul style="list-style-type: none"> <li>Contact <a href="#">ASX Trading Operations</a> providing order/deal number to facilitate Trade and Order cancellations</li> <li>Verify resulting cancellation messages</li> <li>T+1 cancellation not available</li> </ul>
Expiry of AM and AP Serial Futures	SOQ prices (4) disseminated between 10:30 and 12:00pm  Expiring futures close at 12:00pm	<ul style="list-style-type: none"> <li>Validate SOQ prices sent via MDP Text Message (x) or FIX News (35=B) message</li> <li>Newly listed series available as of next trading business date</li> </ul>
Expiry of UB and US Options	Expiring series close at 16:30 (normal COB)	<ul style="list-style-type: none"> <li>Newly listed series available as of next trading business date</li> </ul>

### 3.10. IWT: Day 10 — 21 October 2016

Market Event Simulation	Time (AEDT)	Required Customer Action/s
Spread Ratio Adjustment	Anytime	<ul style="list-style-type: none"> <li>Validate order entry and fills from Day 9's YT/XT ratio adjustment</li> </ul>
Order/Trade Cancellation	Available during day and night sessions	<ul style="list-style-type: none"> <li>Contact <a href="#">ASX Trading Operations</a> providing order/deal number to facilitate Trade and Order cancellations</li> <li>Verify resulting cancellation messages</li> <li>T+1 cancellation not available</li> </ul>
AM, AP Final settlement prices sent	12:00pm	<ul style="list-style-type: none"> <li>Validate final settlement price sent via MDP Text Message (x) or FIX News (35=B) message after 12:00pm</li> </ul>
UB, US Options Final Settlement Prices sent	4:30pm	<ul style="list-style-type: none"> <li>Validate final settlement price sent via MDP Text Message (x) or FIX News (35=B) message after 12:00pm</li> </ul>
Primary Matching Engine Failover	Activities from 10am	<ul style="list-style-type: none"> <li>As outlined in the <a href="#">IWT System Recovery Document</a>, ASX will failover to the DR Matching Engine.</li> </ul>



## 4. Conclusion

Following the completion of the IWT, each customer is required to send an email confirming participation results to [cts@asx.com.au](mailto:cts@asx.com.au).

## Document History

Issue	Date	Description
1.0	September 2016	First release of document.
1.1	October 2016	Second release of document.

### Disclaimer

This document provides general information only and may be subject to change at any time without notice. ASX Limited (ABN 98 008 624 691) and its related bodies corporate ("ASX") makes no representation or warranty with respect to the accuracy, reliability or completeness of this information. To the extent permitted by law, ASX and its employees, officers and contractors shall not be liable for any loss or damage arising in any way, including by way of negligence, from or in connection with any information provided or omitted, or from anyone acting or refraining to act in reliance on this information. The information in this document is not a substitute for any relevant operating rules, and in the event of any inconsistency between this document and the operating rules, the operating rules prevail to the extent of the inconsistency.

### ASX Trade Marks

The trade marks listed below are trademarks of ASX. Where a mark is indicated as registered it is registered in Australia and may also be registered in other countries. Nothing contained in this document should be construed as being any licence or right to use of any trade mark contained within the document.

ASX®

