



INDEPENDENT
MARKET
OPERATOR

Austraclear System Enhancement 5 Testing

Anne-Marie Foo
Market Analyst, Market Operations

Friday 14 August 2015



Purpose

Timeline

Requirements prior to testing

Test Settlement Days

Key Dates

Useful Links



Austraclear System Enhancement Release 5

Significant architectural and technical changes including:

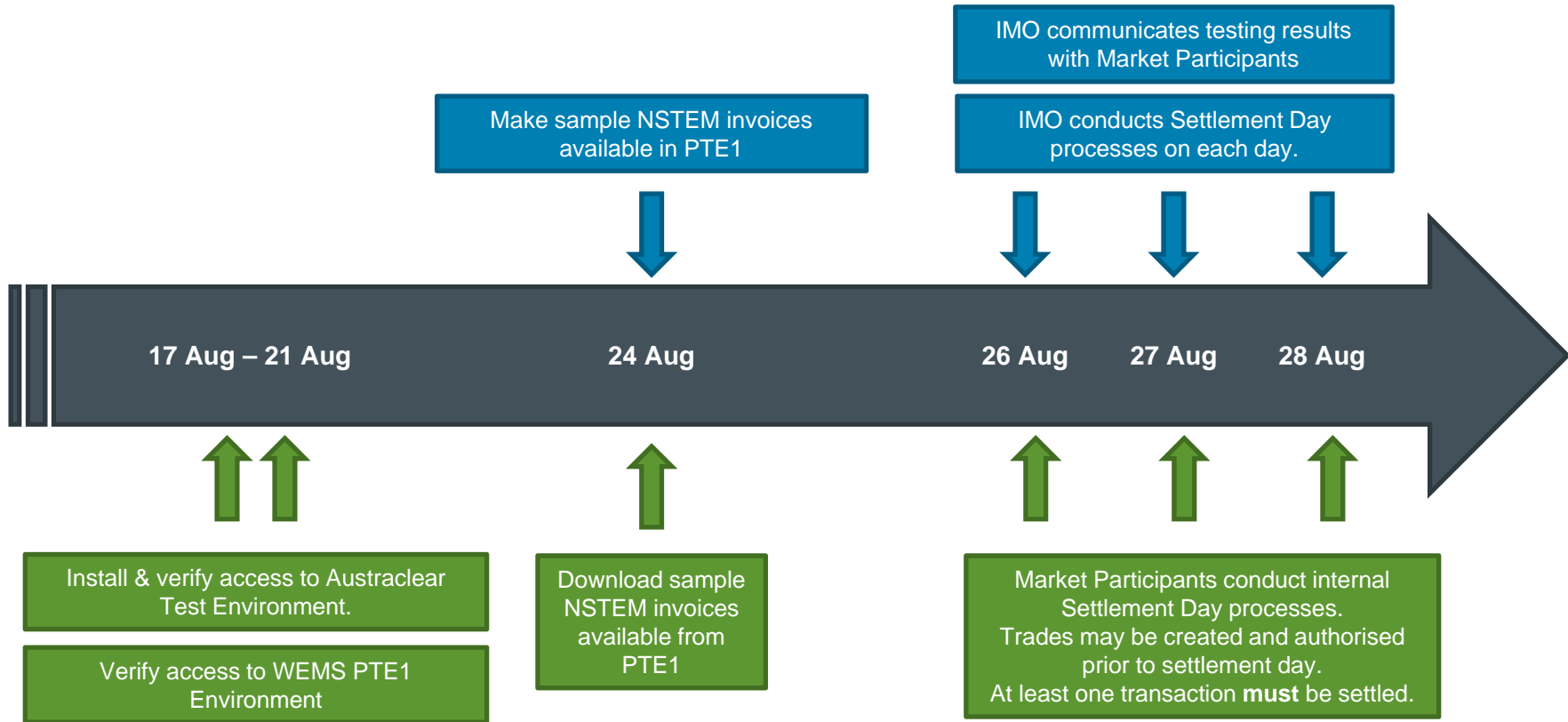
- Facilitates further integration of insourcing for technology support
- Upgrades to back end infrastructure
- User interface enhancements
- Trade, clearing and cancel functions to undergo validation enhancements
- Release notes - <http://www.asx.com.au/about/asx-24-austraclear-notice-2015.htm>

Test Focus	Start Date	End Date
6 week notice period with final Release 5 File deployment released	Monday 7 September 2015	Monday 19 October 2015
General Testing Allowed	Release 5 Test Bed currently available	Friday 16 October 2015
Market Wide Implementation Rehearsal	Saturday 26 September 2015 (After 2pm)	Saturday 26 September 2015 (After 2pm)
Market Wide Implementation	Saturday 17 October 2015 (After 2pm)	Sunday 18 October 2015 (TBD determined if required and time)
Go-Live	Monday 19 October	N/A

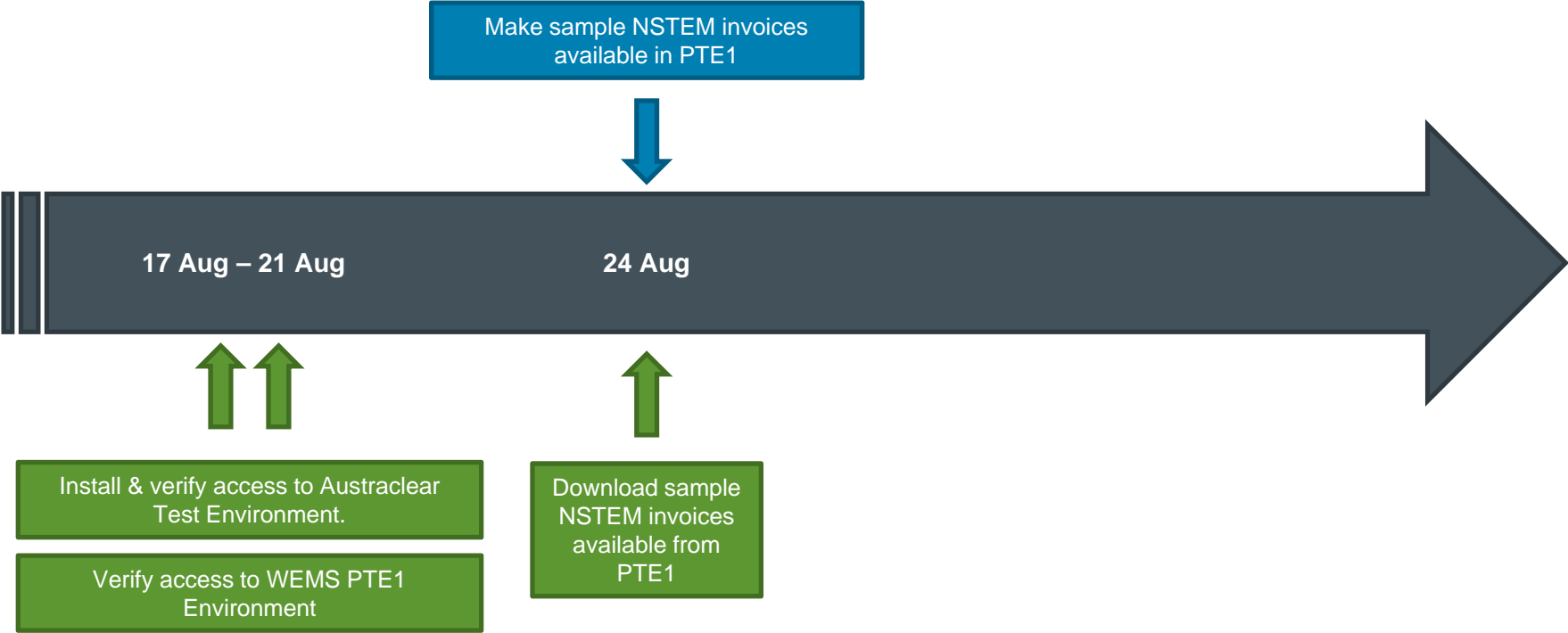
Purpose of Testing

- In accordance with the relevant notices, the IMO has undertaken preliminary testing of the Austraclear Release 5 within the Formal Industry Wide Testing window with **positive results**.
- In order to finalise testing and **ensure that WEM settlement will not be impacted**, the IMO will be performing an end-to-end test of the settlement day processes with all Market Participants during the General Testing Window.
- The IMO will sign and return the Customer Readiness Attestation to the ASX once the end to end user test has been completed.

Timeline



Prior to Testing



Install and Access Austraclear Test Environment

- Market Participants must install the Austraclear System Enhancement Release 5 test environment in accordance with ASX Notice 0770.15.07.
- Users connecting to the test environment should use their current Austraclear Production User ID's, Digital Certificates and RSA Tokens. Release 5 Test Passwords may be obtained from austraclear@asx.com.au.
- **Required trade can be entered into Austraclear before relevant testing date(s).**
- **Authorisation** is required for each trade which may require multiple individuals to access the Austraclear test environment.
- For technical assistance, contact Austraclear.
- Test windows are yellow for EXIGO client and green for Common Gateway.

Austraclear

EXIGO Client

The screenshot shows the ASX Austraclear [IMOE6036] TEST SYSTEM interface. The top menu bar includes File, View, Sub Participants, Trades, Settlement, Series, Administration, Window, and Help. Below the menu, there is a dropdown for 'Default Acting for (F9):' set to 'IMOE60' and a text field for 'EXIGO Instance: asxta.austraclear.com.au'. The main window is titled 'View Trades - IMOE6036' and features a search form with fields for State, Series, ISIN, Sub Participant, Counterpart, and Trade Type. Below the search form is a table with columns: Trade No, Version, ISIN, Sub Participa, Counterpart, Series, Info, Settlement In, and Cash Rec. The table area is currently empty.

OMX Common Gateway

The screenshot shows the ASX Common Gateway [IMOE6036] TEST SYSTEM - Ver 6.3.5 interface. The top menu bar includes File and Gateway Messages. Below the menu, there is a text field for 'CGW Instance: asxta.austraclear.com.au'. The main window is titled 'Explore Messages' and features a search form with fields for Message Type, Source (set to 'HTHL'), Date (set to '13-Aug-2015'), State, Message Flow (set to 'Input'), Participant (set to 'IMOE60'), and Reference. Below the search form are 'Search' and 'Close' buttons. To the right of the search form is a table with columns: Id, Flow, Type, State, and Received. The table is currently empty. Below the table is a section for 'Raw Message' with a dropdown menu and a scrollable area.

Verify WEMS PTE1 Access

- PTE1 – <https://wems-pte1.imowa.com.au>
- PTE1 can be accessed using log in credentials and RSA token for Market Trial
- If required users do not have access to PTE1:
 - Market Participant Administrator (MPA) creates user account in the PTE1 environment
 - Return a completed WEMS Test Environment Token Access Form to operations@imowa.com.au to obtain a token.
 - Operations will allocate a token and courier it to the MPA.

* New users can only be created in PTE1 after WEMS 3.12 redeployment (scheduled for 19th August)



WEMS Test Environment Token Access Form

Once a Market Participant Administrator (MPA) has created a new user account in the WEMS Market Trial environment, this form is required to obtain a physical IMO branded 'White' RSA token. The token will be allocated to the new user and provides authenticated access to the IMO WEMS test environments.

This form needs to be:

1. Completed by the User and signed by the Market Participant Administrator (MPA); and
2. Sent to IMO Market Operations for processing.

Please note test environments can simulate the operation of the WEM, but actual market outcomes may vary in these environments due to testing activities of Market Participants and the IMO, differences in software versions, and the time since the last snapshot.

Please refer to our WEMS website (<http://www.imowa.com.au/home/electricity/wems>) for details of the release and build currently running in each environment and the latest snapshot date.

Personal Details:	Given Name(s):	Surname:
	Email Address:	
	Participant Name:	Token Serial Number: (IMO to complete)
	Participant User ID:	

Usage Agreement:

I undertake to notify **Market Operations immediately on +61 8 9254 4336** should I no longer require access or my SecureID token is lost or stolen.

Declaration:	User Signature:	Date: ___ / ___ / ___
	MPA Name:	Date: ___ / ___ / ___
Endorsement:	MPA Signature:	Date: ___ / ___ / ___

This form must be completed and submitted to operations@imowa.com.au

Please allow three (3) working days for your account to be created from when it is received by the IMO. You will be notified via email once the token has been issued to your MPA. Please call your MPA or IMO Market Operations on +61 8 9254 4336 should you not have received your physical token within five (5) working days from receiving the IMO generated email that the token has been sent.

WEMS 3.12 Settlements Portal

New settlements portal accessible is now embedded in WEMS MPI allows Participants to access invoices, statements, PIRs and IRCR logs. The new display provides a simple and intuitive interface

* Note after the deployment of WEMS 3.12, invoices relating to settlement runs conducted **prior** to the release date, will only be available in XML. If you require a printable version, please ensure you save a copy of the invoices prior to the deployment of WEMS 3.12.

Home Notifications Energy Market Reserve Capacity Balancing LFAS Registration Settlements Reports Configuration Help Logout

Incremental Scan Full Scan

Invoices Statements PIRs IRCR Logs

Market: STEM Invoice Date Trade Date Invoice Number From: 07-08-2015 To: 13-08-2015 Participant: -- ALL -- Filter

* Files could not be retrieved *

imo INDEPENDENT MARKET OPERATOR

Sample Invoice

- Settlement invoices will feature a new layout and design in WEMS 3.12.
- Please download SAMPLE Invoices by **24 August 2015**
- More details available from WEMS 3.12 release notes



Payment Summary

ABN 95 221 850 093
Level 17
197 St Georges Terrace
Perth WA 6000
PO Box 7096
Cloisters Square
Perth WA 6850
T +61 8 9254 4300
E operations@imowa.com.au

Test Company Pty Ltd
PO Box 9999
Perth, WA 6000
ABN 99 999 999 999

Summary: **99999**
Issued Date: 18/02/2015
Due Date: 20/02/2015

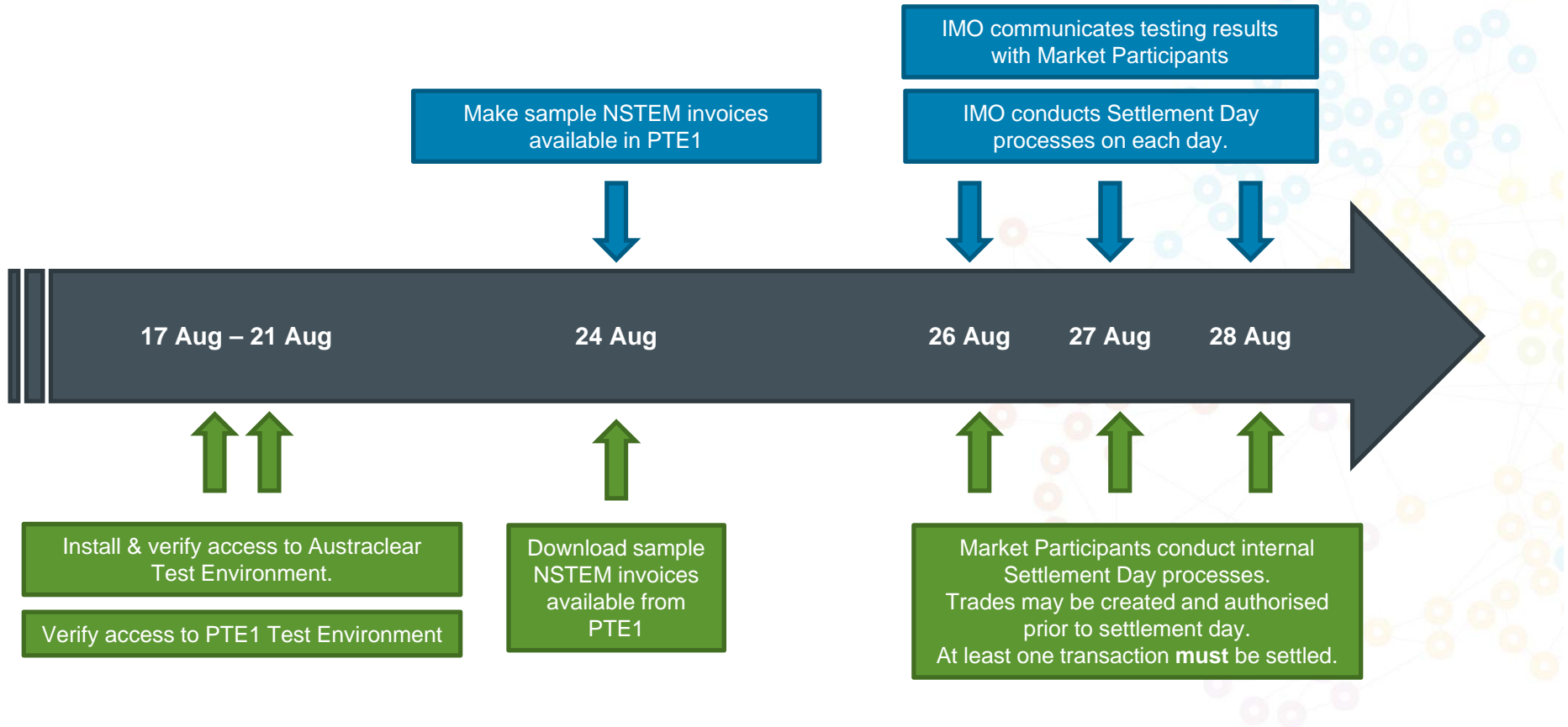
NSTEM May 2014 - Adjustment 2

Description	Amount
Ancillary Service Settlement Amount Demand	4.60
Balancing Demand Amount	0.00
Market Participant Market Fee Settlement Amount *	0.00
Reserve Capacity Refund Market Customer Rebate	0.00
Reserve Capacity LFR Market Customer Rebate	0.00
Reconciliation Settlement Amount for Supply	(9.44)
Reserve Capacity Settlement Amount for Demand	0.00
Market Participant Regulator Fee Settlement Amount *	0.00
Market Participant System Operation Fee Settlement Amount *	0.00
Reconciliation Settlement Amount Demand	7.17
Goods and Service Tax Free - Supplies Made by IMO *	0.00
Goods and Service Tax - Supplies Made to the IMO *	(0.94)
Goods and Service Tax - Supplies Made by the IMO *	1.18
Interest Rate *	0.04
Total Amount	2.61

Items marked with * are GST free.

Payable Amount 2.61

Timeline



Test Settlement Days

- IMO will run a test Settlement Day on 26, 27 and 28 August
- Replicate the June 2015 Initial Settlement Day processes
- Market Participants may choose to participate on one or all of the test days
- Receivable trades must be “Matched” and “Settled” by 10:00 AM
- Payable trades must be “Matched” and “Settled” by 12:00 PM
- IMO will monitor trades and provide email confirmation of success
- For the purposes of testing, Austraclear will employ a client simulator to enact the banking actions for each transaction. Austraclear transactions will reach “Settled” status once the simulated bank action has completed. *

* To be confirmed by Austraclear

Further Testing

- The IMO is willing to perform additional testing with Market Participants after the nominated testing window. To arrange additional testing please contact Market Operations at operations@imowa.com.au
- The IMO anticipates that the testing will be completed during the aforementioned testing period without issue however:
 - In the event of issues on 26 August, the IMO will endeavour to resolve and proceed on the 27 and 28 August
 - In the event of unresolvable issues, the IMO will communicate with Market Participants via a email and reschedule the testing period.

Key Dates

- **Prior to 24 August** – Install and access the Austraclear test environment and verify access to the WEMS PTE1 environment.
- **24 August** – IMO makes sample NSTEM invoices available in PTE1 and Market Participants download them.
- **26 to 28 August** – Market Participant and IMO end-to-end test of Settlement Day processes.
- **19 October** – Release 5 goes live, **previous systems will cease to be supported**
- **20 October** – STEM Settlement day.
- **11 November** – NSTEM Settlement day.

Test Focus	Start Date	End Date
6 week notice period with final Release 5 File deployment released	Monday 7 September 2015	Monday 19 October 2015
General Testing Allowed	Release 5 Test Bed currently available	Friday 16 October 2015
Market Wide Implementation Rehearsal	Saturday 26 September 2015 (After 2pm)	Saturday 26 September 2015 (After 2pm)
Market Wide Implementation	Saturday 17 October 2015 (After 2pm)	Sunday 18 October 2015 (TBD determined if required and time)
Go-Live	Monday 19 October	N/A

Useful Links

Technical help

- **Austraclear contact** : austraclear@asx.com.au or 1300 362 257
- **Austraclear communications** : [ASX Notice 0851.15.07](#) or <https://www.asxonline.com>
- **Austraclear Release 5 Test pack** : https://www.asxonline.com/intradoc-cgi/idcplg?IdcService=ASX_COLLECTION_DISPLAY&hasCollectionID=true&dCollectionID=887&SortField=dInDate&SortOrder=Desc

PTE1 Links & Release notes

- **WEMS notice board** : <http://www.imowa.com.au/home/electricity/wems>
- **IMO WEMS 3.12 release notes** : <http://www.imowa.com.au/docs/default-source/WEMS-Update-Centre/presentations/2015-06---wems-it-user-group-presentation.pdf?sfvrsn=0>



INDEPENDENT
MARKET
OPERATOR

Questions

Anne-Marie Foo

Operations and Technology Group

Email: operations@imowa.com.au

Phone: (08) 9254 4336

