



INDEPENDENT
MARKET
OPERATOR

WEMS IT User Group

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3 July 2015



AGENDA

Schedule for upcoming releases

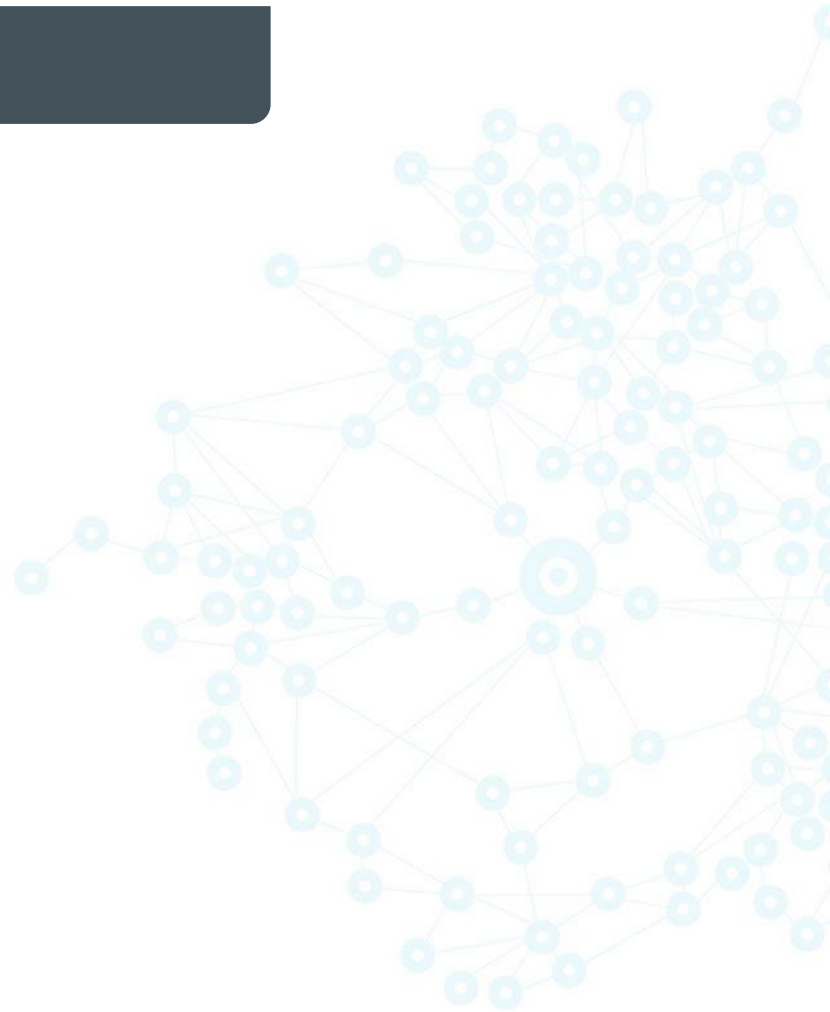
EV certificate and cipher changes

WEMS 3.11 Patch 4

WEMS 3.12

WEMS Notice Board

Feedback

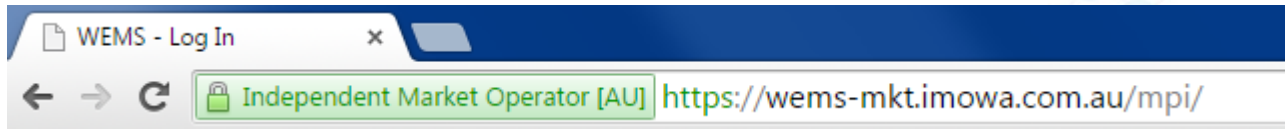


Schedule of Upcoming Releases

Release	Trial Date	Production Date
WEMS 3.11 Patch 4 EV certificate and cipher	1 July 2015 (Market Trial)	15 July 2015
WEMS 3.12	8 July 2015 (PTE1)	26 August 2015

EV Certificate and cipher changes

- Extended Validation – an independently verified proof of our identity
- Cipher changes – to remove weak ciphers and follow best practice
- Impacts? None expected (but you should test)
- When? Trial now (available as of 1 July 2015); live on 15 July 2015
- What will you see?



Example: Google Chrome

WEMS 3.11 Patch 4

- RC Bilateral Trade Calculation: Rollback the implementation of RC_2013_10 (Harmonisation of Supply-Side and Demand-Side Capacity Resources).
- Resource Plan validation changes:
 - MR 6.11.2(bA), when facility on commissioning test, $\text{target}_{\text{LFA}}$ MW and MWh must be zero. Refer to WEMS-5264 FAQ document.
 - For participant with only NSG facilities, WEMS will not validate against MR 6.11.3. Refer to WEMS-5798 FAQ document.

$$\text{Target}_{\text{LFA}} = (\text{NCP} + \text{DQ} - \text{NonSchGen} - \text{Shortfall}) \pm \text{Tol}$$

$$\text{Target MW}_{\text{LFA}} = (\text{NCP} - \text{NonSchGen} - \text{Shortfall}) * 2 + \text{DQ} \pm \text{Tol}$$

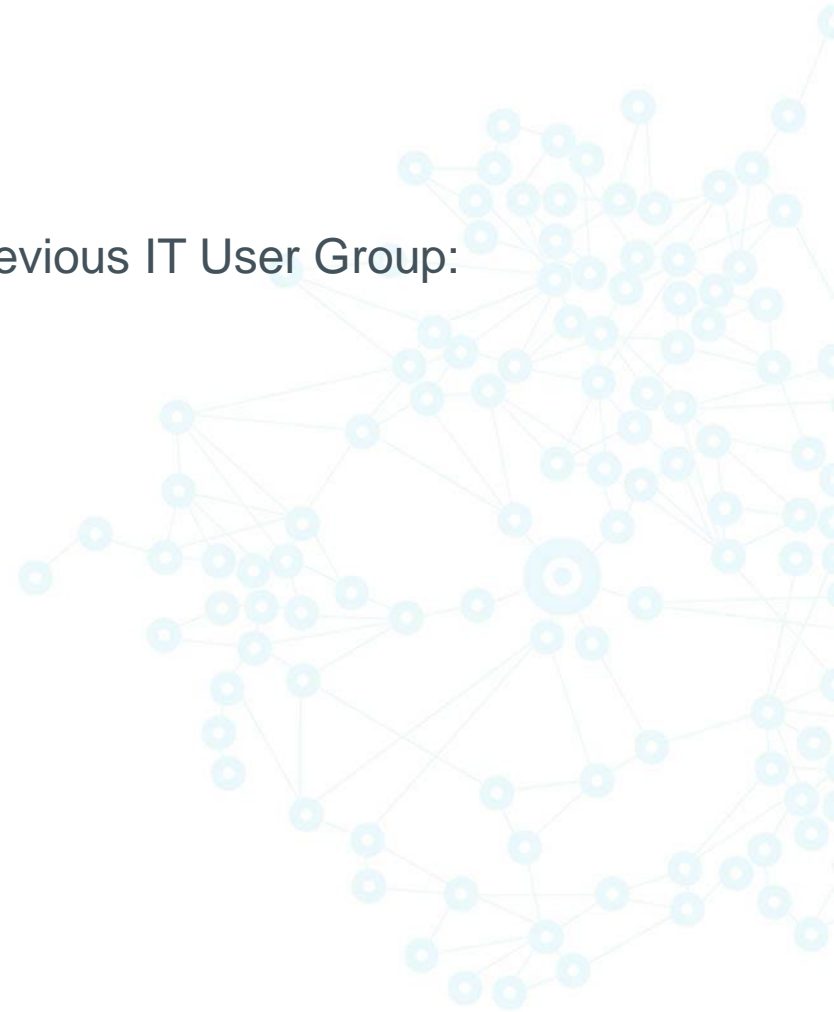
- STEM Summary Info report (*EM_STEMSummaryInfo*): fixed issue to show suspension flag when there is STEM suspension and no auction result.
- Questions?

WEMS 3.12

The following changes have been covered in previous IT User Group:

- Technical changes (library upgrade, etc.)
- Settlement Portal replacement

Presentation is available in IMO website



WEMS 3.12

New Invoices:

- Under development at last IT user group
- Includes pre-payments
- Improved look and feel
- ATO standards – external verification



WEMS 3.12

Registration:

- Changed the Change Request (CR) status from “Approved” to “Accepted”. Only two CRs remain as “Approved”:
 - Facility Aggregation
 - Exemption from Funding Spinning Reserve
- Standing Data CR:
 - Excluded supporting evidence comments when copying CR.
 - Fixed issue with withdrawing accepted CR
 - Fixed incorrect labels

WEMS 3.12

Improved usability of Change Request History and Pending Approval

- Add two new columns “Processed By” and “Date Processed”

Applications / Change Requests History

Participant User: ALL | Entity: | Facility Type: ALL | Application / Change Request Type: ALL | Status: ALL | Date (Submitted/Requested/Accepted): From 01/06/2015 to | Reset

Reference Number	Participant Short Name	Lodged By	Date Submitted	Effective From	Application / Change Request Type	Status	Entity	Processed By	Date Processed
29088		IMOWA_MC	09/06/2015 11:35:24	10/06/2015	RESERVE CAPACITY STATUS	ACCEPTED	WEMS_5626_SG	IMOWA_MC	09/06/2015 11:35:24
29090		IMOWA_MC	09/06/2015 11:41:43	10/06/2015	RESERVE CAPACITY STATUS	ACCEPTED	WEMS_5626_NSNG	IMOWA_MC	09/06/2015 11:41:43
29092		IMOWA_MC	09/06/2015 11:57:06	10/06/2015	RESERVE CAPACITY STATUS	ACCEPTED	WEMS_5626_INSG	IMOWA_MC	09/06/2015 11:57:06

- Change Request history to highlight differences with previous state

General Facility Information		
Data Field	Previous Effective Data	New Effective Data
Facility Name (MR 2.33.3.(c)i)		
Facility Owner (MR 2.33.3.(c)ii)		
Facility Type	SCHEDULED GENERATOR	SCHEDULED GENERATOR
Facility Class (MR 2.33.3.(c)iii)	SCHEDULED GENERATOR	SCHEDULED GENERATOR
Facility Street Address (MR 2.33.3.(c)iv)		
City/Town		
State		Western Australia
Postal Code		
Country		Australia
Contact Person (MR 2.33.3.(c)vi)		

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Improved MPI Market Messages report and web service (getMarketMessage) for report publication

In WEMS 3.11

Market Messages

Issue Date	Participant	Market Type	Severity	Message Code	Report Name	Report Type	Trading Date	Message
01/07/2015 09:30:24	ALLMP	ENERGY	Normal					Reports on Energy Market STEM Reserve Capacity Obligations Information for trading date 02/07/2015 are available for viewing.
01/07/2015 09:30:20	ALLMP	ENERGY	Normal					Reports on Energy Market Monthly Capacity Credits Information for Capacity Year 2015 and Month June are available for viewing.
01/07/2015 09:00:23	ALLMP	ENERGY	Normal					Reports on Energy Market Initial STEM Reserve Capacity Obligations Information for trading date 02/07/2015 are available for viewing.
01/07/2015 09:00:22	ALLMP	ENERGY	Normal					Reports on Energy Market Load Forecast vs Energy Supplied under Bilateral Contracts for trading date 02/07/2015 are available for viewing.
01/07/2015 09:00:20		ENERGY	Normal					Standing data conversion for STEM market date: 02/07/2015 PASSED
01/07/2015 08:55:23	ALLMP	ENERGY	Normal					Reports on Energy Market Available Capacity relative to Forecast Load for trading date 02/07/2015 are available for viewing.
01/07/2015 08:54:33	ALLMP	ENERGY	Normal					Reports on Energy Market Final Bilateral Consumer Information for trading date 02/07/2015 are available for viewing.
01/07/2015 08:54:20	ALLMP	ENERGY	Normal					Reports on Energy Market Final Net Bilateral Position for trading date 02/07/2015 are available for viewing.
01/07/2015 08:50:30	ALLMP	ENERGY	Normal					Reports on Energy Market Ancillary Service Facilities for trading date 02/07/2015 are available for viewing.
01/07/2015 08:50:18	ALLMP	ENERGY	Normal					Reports on Energy Market Schedule of Outages for trading date 02/07/2015 are available for viewing.
01/07/2015 08:50:18	ALLMP	ENERGY	Normal					Reports on Energy Market Ancillary Service Energy Excluded From STEM for trading date 02/07/2015 are available for viewing.
01/07/2015 08:41:15	ALLMP	ENERGY	Normal					Reports on Energy Market Standing STEM Submission Curtailment Information for trading date 02/07/2015 are available for viewing.
01/07/2015 08:40:50	ALLMP	ENERGY	Normal					Reports on Energy Market Facility Limits Information for trading date 02/07/2015 are available for viewing.
01/07/2015 08:40:29	ALLMP	ENERGY	Normal					Reports on Energy Market Participant Limits Information for trading date 02/07/2015 are available for viewing.
01/07/2015 08:30:12	ALLMP	ENERGY	Normal					Reports on Commissioning Test Information for trading date 02/07/2015 are available for viewing.
01/07/2015 08:21:04	ALLMP	ENERGY	Normal					Reports on Energy Market Initial Bilateral Consumer Information for trading date 02/07/2015 are available for viewing.
01/07/2015 08:20:21	ALLMP	ENERGY	Normal					Reports on Energy Market Initial Net Bilateral Position for trading date 02/07/2015 are available for viewing.
01/07/2015 08:12:24	ALLMP	ENERGY	Normal	RE01	PRM_Indicator		01/07/2015	Reports on Energy Market Prudential Risk Indicators Information for trading date 01/07/2015 are available for viewing.
01/07/2015 02:12:19	ALLMP	ENERGY	Normal	RE01	PRM_Indicator		01/07/2015	Reports on Energy Market Prudential Risk Indicators Information for trading date 01/07/2015 are available for viewing.

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Included “Message Code”, “Report Name” and “Trading Date fields”.

In WEMS 3.12

Market Messages

Issue Date	Participant	Market Type	Severity	Message Code	Report Name	Report Type	Trading Date	Message
01/07/2015 09:30:19	ALLMP	ENERGY	Normal	RE01	EM_FinalSTEMCapObligations		02/07/2015	Reports on Energy Market STEM Reserve Capacity Obligations Information for trading date 02/07/2015 are available for viewing.
01/07/2015 09:30:17	ALLMP	ENERGY	Normal	RE01	RCM_MonthlyCC		01/06/2015	Reports on Energy Market Monthly Capacity Credits Information for trading month 06/2015 are available for viewing.
01/07/2015 09:00:19	ALLMP	ENERGY	Normal	RE01	EM_InitSTEMCapObligations		02/07/2015	Reports on Energy Market Initial STEM Reserve Capacity Obligations Information for trading date 02/07/2015 are available for viewing.
01/07/2015 09:00:10		ENERGY	Emergency	SC01			02/07/2015	Standing data conversion for STEM market date: 02/07/2015 FAILED
01/07/2015 08:54:16	ALLMP	ENERGY	Normal	RE01	EM_LoadFcstBilt		02/07/2015	Reports on Energy Market Load Forecast vs Energy Supplied under Bilateral Contracts for trading date 02/07/2015 are available for viewing.
01/07/2015 08:54:15	ALLMP	ENERGY	Normal	RE01	EM_BiltConsumers		02/07/2015	Reports on Energy Market Final Bilateral Consumer Information for trading date 02/07/2015 are available for viewing.
01/07/2015 08:54:14	ALLMP	ENERGY	Normal	RE01	EM_FinalNetBiltPos		02/07/2015	Reports on Energy Market Final Net Bilateral Position for trading date 02/07/2015 are available for viewing.
01/07/2015 08:54:12	ALLMP	ENERGY	Normal	RE01	RCM_EstResidual		02/07/2015	Reports on Energy Market Available Capacity relative to Forecast Load for trading date 02/07/2015 are available for viewing.
01/07/2015 08:32:47	ALLMP	ENERGY	Normal	RE01	EM_STEMStndCurt		02/07/2015	Reports on Energy Market Standing STEM Submission Curtailment Information for trading date 02/07/2015 are available for viewing.
01/07/2015 08:32:45	ALLMP	ENERGY	Normal	RE01	EM_FacilityLimit		02/07/2015	Reports on Energy Market Facility Limits Information for trading date 02/07/2015 are available for viewing.
01/07/2015 08:32:32	ALLMP	ENERGY	Normal	RE01	EM_PartLimit		02/07/2015	Reports on Energy Market Participant Limits Information for trading date 02/07/2015 are available for viewing.
01/07/2015 08:30:11	ALLMP	ENERGY	Normal	RE01	EM_CommissioningTest		02/07/2015	Reports on Energy Market Commissioning Test Information for trading date 02/07/2015 are available for viewing.
01/07/2015 08:20:44	ALLMP	ENERGY	Normal	RE01	EM_InitBiltConsumers		02/07/2015	Reports on Energy Market Initial Bilateral Consumer Information for trading date 02/07/2015 are available for viewing.
01/07/2015 08:20:43	ALLMP	ENERGY	Normal	RE01	EM_InitNetBiltPos		02/07/2015	Reports on Energy Market Initial Net Bilateral Position for trading date 02/07/2015 are available for viewing.
01/07/2015 08:12:25	ALLMP	ENERGY	Normal	RE01	PRM_Indicator		01/07/2015	Reports on Energy Market Prudential Risk Indicators Information for trading date 01/07/2015 are available for viewing.
01/07/2015 02:12:25	ALLMP	ENERGY	Normal	RE01	PRM_Indicator		01/07/2015	Reports on Energy Market Prudential Risk Indicators Information for trading date 01/07/2015 are available for viewing.

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Reserve Capacity Testing tool:

- Fixed incorrect rule reference in the e-mail to participants
- Fixed test outcome result in the e-mail to participants. For Scheduled Generator it will now show correct MW value used for test result determination.
- Improved internal IMO automation to calculate Capacity Credit reduction, etc.

Retirement of trading web service (legacy URL):

<https://wems.imowa.com.au/mpi/trading/ws/v1?wsdl>

Please use:

<https://wems.imowa.com.au/mpi/ws/trading/v1?wsdl>

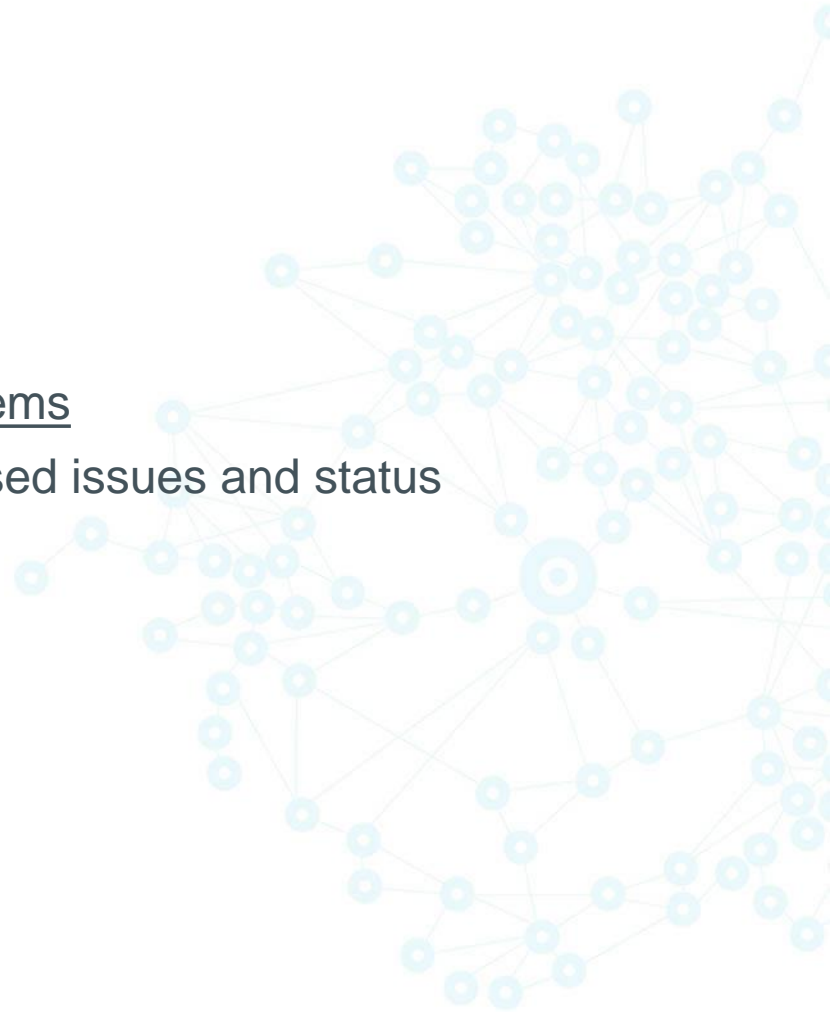
Questions?

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- New participant testing environment – PTE1
 - <https://wems-pte1.imowa.com.au/mpi>
- Automated WEMS certification – IMO and PA Consulting
 - Balancing, LFAS, TES, NDBMO, Relevant Demand
 - Continuous integration – run every day
 - Changes to code can be made in confidence – mitigates indirect impacts
 - Re-certification is less expensive with no manual testing required
- Settlement portal improvements – Initial or adjustment and adjustment number
- Testing progress update
- Release notes and settlements web service API

WEMS Notice Board

- Requested at the last WEMS IT User Group
- Delivered end of April 2015
- <http://www.imowa.com.au/home/electricity/wems>
 - Issues Register – Market participant raised issues and status
 - Technical documentation
 - Current environment status
 - Release notes
 - Schedule system outages
 - End-of-life notices



Feedback

- Feature requests / improvements?
- Anything to cover in the next WEMS IT User Group?

