

Minutes of Meeting EDAC - Project Advisory Group

Date held: Sept. 30, 2010	Time held: 9:00 to 15:30	Location: Clarkson Viewing Gallery
Invited/Attended	Company Name	Attendance Status (A)ttended; (R)egrets; (S)ubstitute
Cary, Rob	Sithe Global	A
Jayapalan, Jennifer	Portlands Energy Centre	A
Kerr, Paul	Shell Energy	Telephone
Kuntz, Margaret	Trans Canada	A
Maddix, Melanie	Sithe Global Canadian Power Services, Ltd.	A
Shah, Sushil	OPGI	A
Sikstrom, Matt	OPGI	A
Walker, Phil	OPGI	A
John Windsor	Emera Energy	R
Hossie, Scott	TransAlta	R
Chang, Monica	OPGI	R
Abid, Tibby	IESO	A
Doran, Pat	IESO	A
Kamstra, Pat	IESO	A
Romeo, Rick	IESO	A
Singh, Navneet	IESO	A
Wright-Hilbig, Rhonda	IESO	Telephone
Berry, Scott	IESO	A
Indi Sharma	IESO	A

The meeting minutes when finalized will be posted on the IESO web site at:

http://ieso.ca/imoweb/consult/consult_se73-pag.asp

Summary of Meeting Discussion

Item 1 Introduction and Review of Agenda:

Tibby Abid introduced himself as Chairman of the meeting and welcomed the EDAC Project Advisory Group members and invited them to introduce themselves.

Tibby pointed out that there was a full agenda and that he would endeavor to keep to the times specified on the agenda in order to finish the meeting on time.

Tibby reviewed the agenda items and clarified the intent of each discussion item. The group agreed to work through lunch and to move the discussion on Market Trials up the agenda to accommodate PAG member schedules.

No new items were proposed for the agenda.

Item 2 Review of Minutes and Action Items from August 26, 2010 Meeting:

Tibby reviewed the draft minutes from the PAG meeting on August 26, 2010. Tibby apologized for the absence of some attendees names on the August 26th minutes of meeting. This oversight has been corrected.

No additional changes were suggested to version 1.0 of the minutes.

Action Item #26: PAG members to provide final comments on the draft minutes of the August 26, 2010 meeting by October 15, 2010.

The Open Action Items were discussed and the Table of Action Items will be updated to show their current status.

Action Item Status:

Action Item Number	Status
2	The Chairman proposed to close item. PAG accepted closure.
9	The Chairman proposed to close item. IESO has collected feedback from PAG members over the past few weeks. A White Paper has been created. PAG accepted closure.
11	The Chairman proposed to close the item. Minutes from July 15 th PAG Meeting were accepted. PAG accepted closure.
13	The Chairman proposed to close the item. Version 1.0 of Market Manual 9, Parts 9.0 to 9.4 have been posted to the portal. PAG accepted closure.

Action Item Number	Status
14	The Chairman proposed to close the item. IESO confirmed that the Schedule of Record will take precedent over the Commitments report. PAG accepted closure.
15	Clarification was requested re: need for a Market Manual reference. The question posed was: Why can't a CT make up the difference? The IESO will re-evaluate the item. PAG members requested to leave the item open.
16	The Chairman proposed to close the item. A reference to the Settlement Design Working Group June 2010 final minutes has been added. A hyper link will be added to Aug 26 th minutes of meeting. PAG accepted closure.
17	The Chairman proposed to close the item. The link has been provided. PAG accepted closure.
18	The Chairman proposed to close the item - No PAG member comments were received. IESO will update comments field in the minutes to reflect the approach of the DIPC formula has been placed in Appendix B instead of Appendix A. PAG accepted closure.
20	The Chairman proposed to close the item. Agenda Item 3 of September 30 th PAG meeting was used to present the changes resulting from PAG member comments. IESO will repost all the edits discussed for MM 9.5 and provide 2 weeks for comments.
21	The Chairman proposed to close the item. PAG asked to update Item 21 to reflect the need for more time being required for written comments. PAG members to provide written comments by October 15, 2010. Item left open.
25	The Chairman proposed to close the item. The proposed date for the next PAG meeting is October 28 th . PAG accepted closure.

Item 3 Review of Comments Received on Draft Market Manual 9.5

Navneet Singh reviewed the Table of Changes for MM 9, Part 9.5. Clarifications and descriptions were added to a number of sections.

The reviewed changes included those made in sections 4, 4.1, 5.1, 6, 7, 8, Appendix A and section 9.

A PAG Member requested further explanation regarding how to recognize the clawback settlement amounts. A request was made to separate PCG and clawback on Settlement Statements.

Action Item #27: IESO will review the need for a second charge type to identify clawback amounts on the settlement statement.

Action Item #28: In Market Manual 9, Part 9.5, Section 5.1.10 reword the Variant One description by adding "where the start was scheduled in the current day and excluding Variant 3" and delete the remainder of the sentence in part 10. This was completed during the presentation and will be posted when MM9 Part 9.5 is posted.

Tibby clarified the scenarios around receiving start up costs with a DA schedule and PD schedules over the midnight hour. A PAG member asked if this description is available in existing documentation. Can it be included in a Market Manual?

Action Item #29: IESO will include the details about the initial status of resource at the beginning of the day. Details will be included in MM9 Part 9.3.

Action Item #30: Appendix A - PAG members request a legend for the colours in the graphical representation to distinguish CT and ST portions in MM9 Part 9.5 Appendix A.

Navneet reviewed the changes made in section 9, explained how DA-IFCs are calculated and pointed to section 9.2.1. Term 2 will result in a null value when a participant does not offer in predispach to their full DA scheduled quantity. The failure charge will be the minimum of Term 1 & Term 3 when this occurs. Pat K indicated that there would be no Market Rule Change required as a result of the null value.

IESO will repost all the edits discussed for MM 9.5 and provide 2 weeks for comments. Once received and reviewed the Market Manual will be posted as version 1.0 in EDAC baseline.

Action Item #31: PAG comments on Market Manual 9.5 are due by October 15, 2010.

Item 4 Walkthrough of Draft Market Manuals

Pat Doran provided an overview of various Market Manual revisions that are expected for the EDAC project.

Red line versions of the affected Market Manuals have been posted for comment. (with the exception of MM 1.1 which will be posted the first week of October).

Action Item #32: PAG member comments are due by October 15, 2010.

The changes are based on IESO baseline 23.0 documents. Changes that were presented were deemed minor in nature. The table of changes from each document were discussed. These included changes from MMs 1.1, 1.2, 2.14, 4.0, 4.2, 4.3, 5.5, 7.2, 7.3,

PAG member comment re: Form 1702 pseudo unit and combined cycle information - Can MPs decline to fill out the form? The IESO explained that all combined cycle facilities must complete this form. The information is used on completion of the DACP to apply constraints to combined cycle facilities that respect the gas/steam relationship. It was agreed EDAC project team members and the PAG member would have an offline discussion on this matter.

Item 5 DACP Failure Reports

Pat Doran presented DACP Failure Reports review. In the presentation Pat mentioned that in the event of a DACP failure the IESO would advise market participants as soon as possible and no later than 15:00. The notification would come in the form of a MPI pop up and through the IESO website. The notification will be issued with a priority that will require the MP to acknowledge the message on the MPI.

Design revisions included:

- 1) IESO will not republish prior valid results,
- 2) On a DACP failure DACP commitments will not be provided to real-time
- 3) If we declare a DACP failure when invalid results were previously published, we will publish the set of DACP failure reports which include:
 - Day Ahead Scheduled Energy and Operating Reserve Report,
 - Day Ahead Check Source/ADE Report, and
 - Day Ahead Adequacy Report (Public)
- 4) DACP Failure versions of these reports will display the report title and date. The DACP Status Flag will have a value of 'DACP Failure'.
- 5) Normal versions of these reports show a value of blank for the DACP Status flag. Other values will present the run results

Action Item #33: PAG to provide feedback by October 15, 2010.

Item 6 Procedure for failure to Load Day Ahead Commitments

Pat Doran presented an overview of the procedure for failure to load DA commitments.

This situation would arise if there was an IESO tool problem that prohibited the loading of constraints from the SOR into the Contract Manager tool. In the event that this occurred the IESO :

- Will notify market participants if there will be a delay in issuing the Day-Ahead Commitments Report (MPI and web message)
- The notification will include the following information:
 - Due to IESO tool problems, the DACP commitments may not be reflected in the pre-dispatch schedule for dd/mm/yy. Market participants with a DACP commitment should offer in a manner that will achieve a schedule and dispatch that reflects the day ahead commitment received.
- When the IESO tools become available we will:
 - Make your DACP commitments available to the pre-dispatch and real-time scheduling processes
 - Issue your commitments report, and
 - Notify you that the commitments are available to pre-dispatch. The notification message will contain the following information:
 - The IESO tool problems have been repaired. Day-ahead commitments will be reflected in the pre-dispatch schedule for dd/mm/yy.

PAG Request: Clarify that if MPs need to offer in RT as a result of the failure of commitments tool the action taken won't affect PCG.

Action Item #34: The IESO will provide confirmation that if MPs need to adjust their offers in RT as a result of the failure of commitments tool the action taken won't affect their PCG.

Editorial Note: IESO confirms that there is no impact.

Item 7 Participant Registration - Submitting Three Part Offers

Scott Berry presented the new requirement for market participants who intend to submit three part offers. Through the Enhanced Day-Ahead Commitment (EDAC) - I.T. Build (SE-87) Working Group the need to incorporate Start-Up & Speed-No-Load costs in the bid/offer tools was identified. Further, the need to minimise Market Participant impacts was identified as essential. Not all MPs are required to submit 3 part offers – dispatchable not quick start generators only. In order to enable a Participants ability to submit and retrieve SU and SNL costs they must first register their desire to do so with the IESO. A new form has been developed (IESO_Form_1721 Implementation of Three Part Offers) that will be incorporated into the Participant Authorization, Maintenance and Exit process. The declaration to submit 3 Part Offers is optional. If a MP does not submit the new form indicating their desire to submit 3 Part Offers the default flag in the Registration System is "NO". If the MP submits the form acknowledging their desire to implement 3 Part Offers the Registration System Flag will be set to "Yes".

PAG Member Question	IESO Response
Does the IESO require participants to submit the three-part offer form before connectivity testing?	If you want to test your ability to submit three-part offers during connectivity testing then you must elect to use three-part offers in advance.
Is the registration process for testing separate from the registration required for production?	EDAC project staff will manage the registration for the testing phases. IESO Market Entry staff will manage registration for production.
Will the valid bid report will be updated to show three- part offers when they are submitted?	The valid bid report is a query of submitted dispatch data. A participant submitting three part offers will see these offers on the valid bid report.
When will the new templates for the valid bid report be available?	The valid bid report is a query of MIM and is not included in our report specifications. The format of the valid bid report was discussed with the IT stakeholder group and will be part of the MIM implementation.

Action Item #35: The PAG members were requested to provide comments on new Form 1721 – Implementation of Three Part Offers, by October 15, 2010.

Item 8 Market Rule Amendment Update

Pat Kamstra presented a review of Market Rule Amendments based on EDAC requirements. The presentation included the rules discussed at the August 26th meeting that required truing up, additional new changes that have been identified since the last meeting and an update of the schedule of discussions with the Technical Panel.

What follows are the areas of the presentation that generated questions and either received a response or requires further investigation.

1) Tech data for Pseudo Units Chpt 7 - For market participants choosing to operate as a PSU, the IESO has the obligation to carry out calculations in support of determining the technical data for the PSU.

2.2.6I The IESO may (shall?) determine, in accordance with the applicable *market manual, pseudo-unit* technical data for use in the day-ahead commitment process based on *facility* specific data submitted in accordance with sections 2.2.6B.1 and 2.2.6G.

A PAG member asked why this rule says the "IESO may"?

Action Item #36: The IESO will review the proposed amendment to 2.2.6.I to determine if it should read "the IESO must".

2) Minimum Generation Block Down Time Definition

- MR-00348: *minimum generation block down time* is the minimum time, in hours, between the time a *generation facility* was last at its *minimum loading point* before de-synchronization and the time the *generation facility* reaches its *minimum loading point* again after synchronization;
- Proposed: *minimum generation block down time* is the minimum time, in hours, specified by the market participant, that is required between the time a *generation facility* was last at its *minimum loading point* before de-synchronization and the time the *generation facility* reaches its *minimum loading point* again after synchronization, in accordance with the technical requirements of the facility;

A PAG member questioned why the phrase "in accordance with the technical requirements of the facility" was added?

Action Item #37: IESO will review the new wording of the MGBDT definition to determine if it should refer to the technical requirements of the facility.

3) Chpt 9 Section 3.5 - **New Rule** - CMSC after midnight:

- Enabling rule in Ch. 9, section 3.5 that would give the IESO the authority to recover CMSC revenue up to MLP earned during the hours after midnight as a result of a manual constraint under Ch. 7, sec. 5.8.5

A PAG Member asked if we need this change because MR 252 didn't cover this? The IESO responded that MR252 did not explicitly cover this situation. This was part of the EDAC design and will be covered under the EDAC rule amendments.

A PAG Member disagreed with the clawback of CMSC up to MLP in this scenario.

Action Item #38: IESO to provide a reference to where the clawback of CMSC for a generation unit that is committed to run after midnight to satisfy MGBRT was discussed in the past.

4) Schedule of Rules activities:

- September 30, 2010 – detailed rules presentation to PAG
- Oct-Dec, 2010 – introductory meeting with Technical Panel including EDAC refresher, amendment submission and working drafts of the amendment proposal (rules), incorporating comments from PAG

Action Item #39: Receive additional comments from PAG members before next PAG meeting.

Item 9 Structure of Market Trials

Tibby presented the Structure of EDAC Market Trials white paper developed since the last PAG meeting.

Overview:

PAG Member Comments: i) Market Trials are also for the IESO to test its systems and tools in conjunction with MPs systems. ii) MPs want to test that the new EDAC systems derive the results they expect under a range of scenarios.

Action Item #40: IESO to revise the objective in the Structure of Market Trials document to reflect the benefit of MPs testing of the IESO systems and procedures

Scope of the Market Trials:

Tibby explained the complications surrounding the use of real time schedules and DA schedules for testing. Settlements will be the more difficult area to test of the three areas impacted.

Real time results (up to 6 days after RT) are proposed to be used with an overlay of modified DA schedules.

A PAG Member asked if RT results from days/months/years in the past could be used for testing purposes. The IESO responded that we can only look back six days for RT runs and choose which scenarios will be tested based on the operation of the system on the day chosen. A test plan will cover as many test scenarios as possible.

A PAG Member asked if MPs participate more in system testing will that help eliminate some of the scenarios to test during Market Trials.

Action Item #41: IESO will consider MPs request for input and participation during Technical Testing and report back to the PAG.

A discussion of the various stages of testing ensued with a description of each stage given.

Action Item #42 : PAG input/comments on white paper by October 21st

Item 10 Wrap-Up

Next PAG meeting is scheduled for October 28, 2010.

DRAFT

Action Item Summary

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#	Date	Action	Status	Comments
1	June 11, 2010	IESO will review the PAG Terms of Reference, revise the wording where appropriate and re-post the document. When the document is posted, the IESO will request written comments within one week. Comments on the Terms of Reference can be provided at: edac@ieso.ca	Closed	IESO posted the revised ToR on the PAG website. PAG Members were given until July 30 to comment on the draft. No comments were received and the ToR were posted as final.
2	June 11, 2010	IESO to determine how the information relating to market participant testing environments will be communicated to stakeholders.	Closed	This item will be addressed at future meetings.
3	June 11, 2010	PAG members were requested to provide feedback on the proposed structure of market manual 9. Comments can be provided by email to edac@ieso.ca and they will be discussed at the next PAG meeting.	Closed	No comments were provided
4	June 11, 2010	IESO will provide information on how the Shadow Price Report is generated and what the prices mean.	Closed	A response was provided in the minutes of the July 15, 2010 PAG meeting.
5	July 15, 2010	IESO to post final June 11, 2010 minutes on the web site.	Closed	Meeting minutes were posted as final.

Action Item Summary				
#	Date	Action	Status	Comments
6	July 15, 2010	PAG members were requested to submit comments on the draft market manual 9 documents by email to edac@ieso.ca	Closed	Comments from PAG members were due July 30, 2010.
7	July 15, 2010	IESO will post the draft EDAC Project timeline showing the scheduled connectivity testing and Market Trials on the web site.	Closed	Posted July 16, 2010 under meeting materials for June 15, 2010 meeting of PAG.
8	July 15, 2010	IESO will set up an agenda item for next meeting to provide in advance a list of Market Trials scenarios.	Closed	Market Trials scenarios were discussed at the August 26, 2010 meeting.
9	July 15, 2010	The IESO will create a survey to understand PAG members' needs for Market Trials.	Closed	Action items 22, 23 & 24 were created to address stakeholder needs for Market Trials. This action item is no longer required.
10	July 15, 2010	PAG members to provide a list of potential scenarios for Market Trials prior to the next PAG meeting in August for discussion.	Closed	Scenarios from PAG members were due on July 30, 2010.
11	August 26, 2010	PAG members to provide comments on the draft minutes of the July 15, 2010 meeting by September 2, 2010.	Closed	Minutes accepted and posted

Action Item Summary				
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12	August 26, 2010	The IESO will review and document the process for the situation where a DACP schedule of record is issued and constraints can't be loaded in contract manager as a result of a tool problem.	Closed	The procedure for failure to load commitments was discussed at the September 30, 2010 PAG meeting. This procedure will be added to the next version of Market Manual 9, Part 9.4.
13	August 26, 2010	The IESO will post v1.0 of Market Manual 9, Parts 9.0 to 9.4 on the portal.	Closed	MMs posted on the portal
14	August 26, 2010	The IESO will ensure that it is clear that if there is a difference between the DACP SOR and the Commitments Report the DACP SOR will take precedence.	Closed	SOR will take precedent
15	August 26, 2010	The IESO will provide a reference to the detailed design discussions where the IESO explained why the ST PCG is limited to the DIGQ when the output of another CT in real-time (above its DA schedule) made up the difference?	Open	IESO will discuss at the October 28 PAG meeting.

Action Item Summary				
#	Date	Action	Status	Comments
16	August 26, 2010	The IESO will provide a reference to the previous discussion explaining why fuel cost compensation is only to the MLP and not to the full day ahead scheduled quantity.	Closed	Fuel cost compensation for the MLP portion of the day-ahead schedule was discussed at the SDWG Meeting held on September 17, 2009. The final minutes of the meeting can be found on the portal at: https://portal.ieso.ca/portal/server.pt/gateway/PTARGS_32_0_215_0_1_47/http://mpicollab;11930/collab/d/document/overview?projID=1602&documentID=6349
17	August 26, 2010	The IESO will provide a link to material on the website explaining why DIPC is required and how it relates to a collapsing offer curve.	Closed	The need for a Derived Interval price Curve (DIPC) was discussed at the PSU Meeting held on January 7, 2010. The draft minutes of the meeting can be found on the portal at: https://portal.ieso.ca/portal/server.pt/gateway/PTARGS_32_0_215_0_1_47/http://mpicollab;11930/collab/d/document/overview?projID=1602&documentID=6656
18	August 26, 2010	The PAG members will provide their input on the approach of placing the DIPC formula in Appendix A of Market Manual 9, Part 9.5 instead of the body of the document.	Closed	Approach outlined in Appendix B
19	August 26, 2010	EDAC project staff will discuss the impacts to the RT IOG offset to the Inter-jurisdictional Trading Standing Committee.	Open	IJT meeting scheduled for Oct 27, IESO staff to discuss at the meeting.

Action Item Summary

#	Date	Action	Status	Comments
20	August 26, 2010	The IESO will incorporate the changes resulting from the comments Market Manual 9, Part 9.5 in an updated draft which will be provided to the PAG for their review and comment by September 10, 2010.	Closed	Changes were posted for review and were presented as Item 3 of Sept. 30 PAG meeting.
21	August 26, 2010	The PAG members were requested to provide written comments on the proposed Administered Pricing methodology by September 10, 2010.	Open	Comments due from PAG Members by Oct. 15 th
22	August 26, 2010	Prior to the next PAG meeting, the IESO will provide a high level list of potential market trials scenarios, based on the test cases developed for internal testing.	Closed	A high level list of Market Trials scenarios was presented as part of the whitepaper titled "Structure of Market Trials".
23	August 26, 2010	The IESO will provide principles (guidelines) for testing that will help the MPs determine the structure of the scenarios.	Closed	Market Trials principles and guidelines were presented as part of the whitepaper titled "Structure of Market Trials".
24	August 26, 2010	The IESO will provide a diagram showing the two streams of testing during the market trials.	Closed	A diagram showing the Market Trials testing streams was presented as part of the whitepaper titled "Structure of Market Trials".
25	August 26, 2010	The IESO will propose a date for the October meeting of the PAG.	Closed	

Enhanced Day-Ahead Commitment Detailed Design (SE-73)

Action Item Summary				
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26	Sept 30, 2010	PAG members to provide final comments on the draft minutes of the August 26, 2010 meeting by October 15, 2010.	Open	
27	Sept 30, 2010	IESO to review the request for a separate PCG and clawback charge type on Settlement Statements.	Open	
28	Sept 30, 2010	In Market Manual 9, Part 9.5, Section 5.1.10 reword the Variant One description by adding " <u>where the start was scheduled in the current day and excluding Variant 3</u> " and delete the remainder of the sentence in part 10.	Open	Changes made during Sept 30 PAG meeting.
29	Sept 30, 2010	IESO will include the details about the initial status of resource at the beginning of the day. Details will be included in MM9 Part 9.3.	Open	
30	Sept 30, 2010	PAG members request a legend for the colours in the graphical representation to distinguish CT and ST portions in MM 9 Part 9.5 Appendix A.	Open	
31	Sept 30, 2010	IESO will repost all the edits discussed for MM 9.5 and provide 2 weeks for comments. PAG comments are due by October 15, 2010.	Open	

Action Item Summary				
#	Date	Action	Status	Comments
32	Sept 30, 2010	PAG member comments on posted red line version of Market Manual Revisions presented in Item 4 of Sept 30 PAG meeting are due by October 15, 2010.	Open	
33	Sept 30, 2010	PAG members to provide feedback on Failure Reports material by October 15, 2010	Open	
34	Sept 30, 2010	The IESO will provide clarification on the issue; if MPs need to offer in Real Time as a result of the failure of commitments tool the action in Real Time taken won't affect their PCG.	Open	
35	Sept 30, 2010	PAG members were requested to provide comments on new Form 1721 – Implementation of Three Part Offers by October 15, 2010.	Open	
36	Sept 30, 2010	IESO to review and report back to PAG why Market Rule, Chapter 7 changed from "the IESO <u>must</u> " to "the IESO <u>may</u> "? in Section 2.2.6I	Open	
37	Sept 30, 2010	IESO will review the new wording of the MGBDT definition to determine if it should refer to the technical requirements of the facility.	Open	

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#	Date	Action	Status	Comments
38	Sept 30, 2010	IESO to provide a reference to where the clawback of CMSC for a generation unit that is committed to run after midnight to satisfy MGBRT was discussed in the past.	Open	
39	Sept 30, 2010	Receive comments from PAG members on detailed Market Rule amendment presentation by October 21; IESO response at next PAG meeting	Open	
40	Sept 30, 2010	IESO to revise the objective in the Structure of Market Trials document to reflect the benefit of MPs testing of the IESO systems and procedures.	Open	
41	Sept 30, 2010	IESO will consider MPs request for input and participation during Technical Testing and report back to the PAG.	Open	
42	Sept 30, 2010	PAG to provide input/comments on <u>Structure of EDAC Market Trials</u> white paper by October 21 st	Open	