This document provides guidance to Market Participants on the submission of dispatch data in the Real-Time Energy and Operating Reserve Markets.
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This market manual may contain a summary of a particular market rule. Where provided, the summary has been used because of the length of the market rule itself. The reader should be aware, however that where a market rule is applicable, the obligation that needs to be met is as stated in the “Market Rules”. To the extent of any discrepancy or inconsistency between the provisions of a particular market rule and the summary, the provision of the market rule shall govern.

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Document ID: IESO_MAN_0079
Document Name: Part 9.4: Real-Time Integration of the DACP
Issue: Issue 5.0
Reason for Issue: Issue released for Baseline 34.1
Effective Date: December 2, 2015
### Document Change History

<table>
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<th>Issue</th>
<th>Reason for Issue</th>
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</tr>
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<tr>
<td>1.0</td>
<td>Issued in advance of Baseline 26.1 for the implementation of EDAC</td>
<td>October 12, 2011</td>
</tr>
<tr>
<td>2.0</td>
<td>Issue released for Baseline 27.0</td>
<td>March 7, 2012</td>
</tr>
<tr>
<td>3.0</td>
<td>Issue released for Baseline 31.1</td>
<td>June 4, 2014</td>
</tr>
<tr>
<td>4.0</td>
<td>Issue released in advance of Baseline 33.1 to update IESO logo</td>
<td>March 31, 2015</td>
</tr>
<tr>
<td>5.0</td>
<td>Issue released for Baseline 34.1</td>
<td>December 2, 2015</td>
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<th>Description of Change</th>
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<td>Section 4.5.4</td>
<td>Added new “Hourly Demand Response Resources” section</td>
</tr>
<tr>
<td>Section 4.5.7</td>
<td>Added new “Submit Non-Performance Events” section</td>
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1. Market Manuals

The *market manuals* consolidate the market procedures and associated forms, standards, and policies that define certain elements relating to the operation of the *IESO-administered markets*. Market procedures provide more detailed descriptions of the requirements for various activities than is specified in the "Market Rules". Where there is a discrepancy between the requirements in a document within a *market manual* and the *market rules*, the *market rules* shall prevail. Standards and policies appended to, or referenced in, these procedures provide a supporting framework.

– End of Section –
2. About this Manual

The “Day-Ahead Commitment Process” is Volume 9 of the *market manuals*, where this document forms “Part 9.4: Real-Time Integration of the Day-Ahead Commitment Process”.

The “Day-Ahead Commitment Process Manual” is composed of the following document set:

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<th>Name of Procedure Document</th>
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<td>9.0</td>
<td>Day-Ahead Commitment Process Overview</td>
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<td>Submitting Registration Data for the Day-Ahead Commitment Process</td>
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2.1 Conventions

The *market manual* standard conventions are as defined in “Part 9.0: Day-Ahead Commitment Process”, Section 2.4 Conventions.

– End of Section –
3. Introduction

3.1 Purpose

This document provides you with the procedures associated with the interaction of the Day-Ahead Commitment Process with real time. These procedures describe the market participant actions required to manage the commitments received from the Day-Ahead Commitment Process (DACP) in real time.

3.2 Scope

This market manual provides a summary of the steps and interfaces between you and the IESO after the completion of the DACP. The procedural workflows and steps described in this document serve as a roadmap for you and the IESO, and reflect the requirements set out in the market rules and applicable IESO policies and standards.

The overview information in Section 4 is provided for context purposes only and includes the main actions of the procedures as set out in Section 5.

This market manual describes the procedures to withdraw from a commitment received during the DACP and to interact with the IESO when you are required to de-commit a generation unit.

– End of Section –
4. Post Day-Ahead Commitment Processes

This section describes the processes that take place after the Day-Ahead Commitment Process (DACP) and their interaction with real time.

4.1 Observing Day-Ahead Commitments in Real Time

If you are eligible for the Day-Ahead Production Cost Guarantee (DA-PCG) and you submitted offers into the DACP, you are deemed to have accepted the DA-PCG for your resources. You cannot call the IESO to reject the guarantee to remove the day-ahead constraints on your resources. To remove constraints, you must complete the withdrawal process as described in Section 4.2.

DA-PCG eligible dispatchable generation facilities that are committed by the Day-Ahead Calculation Engine (DACE) have constraints applied that will be observed in the Pre-dispatch and real-time scheduling processes. For each committed generation facilities, we apply a minimum constraint for its submitted minimum loading point (DGD MLP) for the hours where it received a day-ahead schedule.

Therefore, the resource will be scheduled and dispatched to a quantity no lower than its minimum loading point (MLP). A committed generation facility will not be dispatched below its MLP unless we approve a withdrawal request or require de-commitment for reliability.

4.1.1 Reliability Constraints

We will only apply reliability constraints if we consider our intervention necessary in order to ensure or maintain reliability\(^1\). We will allow the market to try to resolve any identified adequacy issues prior to applying reliability constraints.

Reliability constraints for adequacy are not applied until after the DACP process has completed.

4.1.2 Passing DACP Commitments to Real Time

When passing DACP commitments to real time (RT), committed production cost guarantee (PCG) eligible generation facilities have constraints applied in the Pre-dispatch and the RT scheduling processes. We apply minimum constraints for the generation facility’s submitted DGD MLP for a period equal to its day-ahead schedule, as per DACP Schedule of Record. These constraints will be available for use in the Pre-dispatch starting with the 15:07 run. You cannot reject the DACP commitment in order to remove the constraints.

If IESO tool problems prevent us from making your day-ahead commitments available for the 15:07 pre-dispatch run, we will notify you of the delay and your commitments report will not be issued.

\(^1\) Reliability means security and adequacy (both local and global).
When our tools are made available, we will make your commitments available to pre-dispatch by applying the necessary constraints and your commitments report will be issued at that time.

In the period when your day-ahead commitments are not available to pre-dispatch, you should offer in a way that will result in a pre-dispatch and real-time schedule that reflects your day-ahead commitment and will result in the desired DA-PCG treatment.

4.1.2.1 DACP Commitments – PCG-Eligible Generation Facilities (Not a Combined Cycle Plant)

PCG-eligible resources (including physically aggregated resources) that have not been identified as a part of a combined cycle plant can be determined by the following:

- A set of generation facilities deemed PCG-eligible through registration
- Minus the generation facilities recorded to be a steam turbine (ST) of a combined cycle plant
- Minus the generation facilities deemed to have an association with ST resources.

Every generation facilities that has been identified as PCG-eligible but is not part of a combined cycle plant will have constraints applied based on the daily generation data (DGD) MLP. The constraints are applied for every hour in which the generation facility has a non-zero day-ahead schedule in the DACP Schedule of Record.

4.1.2.2 DACP Commitments—PCG-Eligible Generation Facilities (Combined Cycle Plant)

Physically aggregated combined cycle plants will have constraints applied based on the DGD MLP. We apply constraints for every hour in which the generation facility has a non-zero day-ahead schedule in the DACP Schedule of Record (SOR).

The remainder of this section applies to PCG-eligible generation facilities that are combined cycle plants and not physically aggregated.

Resources at a combined cycle plant that are scheduled by the DACE will be committed for use in real time. Every combustion turbine (CT) generation unit that is PCG-eligible and is part of a combined cycle plant has constraints applied. The applied constraints are based on the DGD MLP for every hour in which they have a non-zero day-ahead schedule in the DACP Schedule of Record. Every ST generation unit that is PCG-eligible and is part of a combined cycle plant will have constraints applied for every hour in which it has a non-zero day-ahead schedule in the DACP SOR. The constraint amount will vary by hour and is based on the number of associated CTs at the combined cycle plant, scheduled in a given hour.

The constraint will be equal to:

- For STs not using the pseudo unit (PSU) model:
  - The 1-on-1 ST DGD MLP whenever an associated CT is not present in the schedule in a given hour, or where only a single associated CT is scheduled in a given hour along with the ST.

---

2 It is possible to economically schedule a ST with no CT at a combined cycle facility, even though this configuration is physically impossible.
4. Post Day-Ahead Commitment Processes

- The n-on-1 ST DGD MLP whenever n number of associated CTs (n>1) are scheduled in a given hour along with the ST, and the ST received a day-ahead schedule equal to or greater than the n-on-1 ST DGD MLP. If the ST received a day-ahead schedule that is less than the n-on-1 ST DGD MLP, the ST constraint will be equal to the next lowest ST DGD MLP for which it was economic (lowest possible outcome is the 1-on-1 ST DGD MLP).

- For STs using the PSU model:
  - The n-on-1 ST DGD MLP where n represents the number of PSUs operating in combined cycle mode that are scheduled in a given hour.

**Table 4-1: Combined Cycle Plant DACP Commitments**

<table>
<thead>
<tr>
<th># of CTs Scheduled</th>
<th>ST Committed to</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>MLP$_{2,1}$</td>
</tr>
<tr>
<td>2</td>
<td>MLP$_{2,1}$</td>
</tr>
<tr>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>N</td>
<td>MLP$_{N,1}$</td>
</tr>
</tbody>
</table>

4.2 De-commitment and Withdrawal

The DACE will identify the resources required to be committed for the dispatch day. Changes to the set of committed resources after the DACE results are passed to Pre-dispatch could impact system reliability and settlement. The following sections discuss how changes to the commitment are processed.

4.2.1 Withdraw Dispatch Data

If you are a DA-PCG eligible dispatchable generation facility that received a schedule in the DACP Schedule of Record, you may decide that it is not in your best interest to operate in real time. Therefore, you may request our approval to remove the offers for your generation unit. You must call and ask for our approval early enough to allow us to assess your request.

A dispatchable generation facility committed to supply energy cannot remove or cancel its real-time market offers without our approval. Removal/cancellation of offers for any hour in which a day-ahead commitment was received will be considered a request to withdraw the offer. If we determine that your request does not have a detrimental impact on reliability, we will approve it and remove the constraints applied on your unit. If you need to remove or revise your offers, you must do so within the provisions of Appendix C of Market Manual 4.2: Submission of Dispatch Data in the Real-Time Energy and Operating Reserve Markets.

For committed dispatchable generation facility, the withdrawal request process includes a new withdrawal charge. The charge is levied when the withdrawal is within your control and it did not
provide a benefit to the market as determined by the price impact. If you have done the right thing for the market, you should not receive a withdrawal charge.3

The Day-Ahead Generator Withdrawal Charge (DA-GWC) is based on a formula approach similar to the day-ahead import failure charge. It aligns the treatment of dispatchable generation facility withdrawal with the treatment of the import/export failure charge.

The withdrawal charge settlement amount is a function of the difference in price between the submitted day-ahead energy offers and the Ontario energy price and the MLP. The Ontario energy price used in the calculation of the DA-GWC depends on the time we received the notification of withdrawal:

- If we receive withdrawal notification at or before 4 hours prior to the first withdrawal hour in real time (PD-4), then the minimum of the hour ahead Pre-dispatch (PD-1) Ontario market clearing price and the real-time market clearing price is used.
- If withdrawal notification is received later than PD-4, then the real-time market clearing price is used.

A DA-PCG eligible generation facility withdrawing their offer (i.e., cancelling the offer) for a reason within their control, from any hour of their day-ahead commitment, must submit revised offers with an accompanying reason code. These revised offers must be received at least two hours prior to the dispatch hour and will be queued for operator approval.

For withdrawals:

- Within your control, a reason code, “withdraw”, is required.
- Not within your control, refer to Market Manual 9.2: Submitting Operational and Market Data for the DACP, Appendix A for the appropriate reason code.

If there is no reason code accompanying the revised offer, the submission will be automatically rejected.

### 4.2.2 IESO De-commitment of Dispatchable Generation Facilties

We will only de-commit dispatchable generation facilities or imports due to reliability concerns, not for economics. We will respect the market rules treatment related to compensation.

A dispatchable generation facility that we de-commit is eligible for fuel cost compensation as described in Market Manual 9.5: Settlement of the Day-Ahead Commitment Process.

#### 4.2.2.1 De-commitment actions

As we approach real time, we may identify reliability concerns, such as over-generation caused by failed exports, which can only be resolved by de-committing generation facilities that were constrained on in the day-ahead timeframe.

De-commitment means that we remove the minimum constraints applied on your dispatchable generation facility either before or after synchronization. If, within an hour, we constrain your generation facility to zero, we may ask you to remove or revise your offers in subsequent hours.

---

3 Exception conditions include events or circumstances directly related to the IESO-controlled grid that are beyond the control of the generation facility as listed in market rules, CH7, Sec 7.5.3.
We will de-commit your generation facility only for reliability reasons and only after we call to inform you of our intention to remove the constraints applied to your generation facility.

4.2.3 Day-Ahead Production Cost Guarantee Impact

A dispatchable generation facility that is de-committed midway through a day-ahead schedule will receive a PCG for the completed portion of their day-ahead schedule. For more information related to the settlement treatment of a de-commitment, refer to Market Manual 9.5: Settlement of the Day-Ahead Commitment Process.

If you withdraw your offers for a dispatchable generation facility for any hour in which a day-ahead commitment was received, and the withdrawal is within your control, the generation facility is not eligible to receive a DA-PCG.

If a PCG-eligible generation facility is not scheduled as a result of circumstances outside of your control, (e.g., forced outage or grid incapability), the PCG is prorated to the part of your DACP schedule that was delivered in real time.

4.3 Day-Ahead Intertie Transactions

DACP does not cause any changes to the Pre-dispatch scheduling process which determines the economic schedules for interchange used in the Transaction Checkout Process in real time.

We expect that you will offer or bid in the real-time market in order to have your transactions scheduled in an amount equal to your DACP committed and scheduled quantities. This includes both legs of linked wheel transactions scheduled in the DACP.

4.4 Real-Time Market Integration

The incremental energy component of three-part offers accepted day-ahead, flow through to the real-time market. Pre-dispatch optimizes using only the incremental energy portion of the offer and disregards the other parts of the offer (speed no-load (SNL) and start up cost (SUC)). Single-part offers approved in day-ahead will continue to flow through to real time.

Any bids/offers not approved for use in the DACP by 14:00 are automatically rejected and will not be carried forward for use in real time. If you wish to revise dispatch data for inclusion in Pre-dispatch you can do so after 14:00 (real time rules for dispatch data submission will apply).

Approved bids/offers for dispatchable loads, imports, and exports will flow through to real time. Approved forecasts/schedules for non-dispatchable resources will also flow through to real time.

DGD submitted after 10:00 will be used in the next day’s DACP run.

4.4.1 Pseudo Unit Offer Submission—Real Time

PSU resources do not exist for the purpose of real-time dispatch. All PSU offer submissions after 14:00 until 06:00 the next day are rejected with the exception of valid standing offers. The schedules and commitments generated by the DACE for a PSU are translated to the associated physical units (PUs) for Pre-dispatch and real-time dispatch.
If you want to change your *dispatch data* for these resources, you must submit real-time PU *offers*. You can submit these *offers* while DACP is in progress since they are ignored during DACP. These offers are not held for operator approval during DACP. They are not candidates for automatic rejection at 14:00 and are subject to the normal *dispatch data* rules of real-time submission at the conclusion of DACP.

You must submit your initial real-time *offers* for PUs associated with a PSU by 10:00 day-ahead. For each PU associated with a PSU, the PU *offer* at 14:00 determines the availability declaration envelope (ADE) for that resource. You must ensure that the ADE established for your PUs is sufficient to cover the PU schedules you receive from the DACP.

After 14:00, you need *IESO* approval to submit any new or revised *dispatch data* that expands your ADE, except for *dispatch data* submitted in response to our request for additional *bids* and *offers*.

### 4.4.2 Minimum Loading Point Price Cap

We apply DACP commitments to PCG-eligible *generation facilities* as minimum constraints to ensure a schedule to at least the DGD MLP in Pre-dispatch and real time. In order to prevent PCG-eligible *generation facilities* scheduled in the day-ahead from collecting self-induced Congestion Management Settlement Credit (CMSC), the *market rules* have imposed a cap on the MLP price.

Incremental *offers* that are updated after the day-ahead should not exceed the MLP price of the day-ahead incremental *offer* used in determining the DACP *Schedule of Record*.

### 4.5 Submit Dispatch Data

#### 4.5.1 Non-dispatchable Generation Facilities

If you are a non-dispatchable *generation facility* (self scheduling or intermittent), you may submit new or revised *dispatch data* (schedules or forecasts) within the restrictions specified for real-time operation in “Market Manual 4.2: Submission of Dispatch Data in the Real-Time Energy and Operating Reserve Markets”.

#### 4.5.2 Dispatchable Loads and Dispatchable Generation Facilities

If you are a *dispatchable load* or a dispatchable *generation facility*, there are no restrictions to changing your *dispatch data* within the hours, *energy*, and capacity of your ADE. (The ADE is the hourly *energy* and capacity offered into the DACP for dispatchable *generation facilities*, or the hourly load *bid* as dispatchable for *dispatchable loads*.)

However, you need our approval to submit any new or revised *dispatch data* that expands your ADE, except for *dispatch data* submitted in response to our request for additional *bids* and *offers*. Since there is no ADE associated with the daily *energy* limits provided before and during the DACP, *energy*-limited resources may change these limits without restriction up to the mandatory window in real time.

---

4 ADE expansion means an increase to the hours and/or quantities specified in your *bid or offer* that was used to establish your ADE in the DACP Schedule of Record.
To ensure that we review and approve your request to expand your ADE, you must notify us by phone of your submission as early as possible.

After you notify us of your submission, we will:

- Review your dispatch data submission
- Assess the merits of your submission based on the valid reasons for change listed in Appendix A of Market Manual 9.2: Submitting Operational and Market Data for the Day-Ahead Commitment Process
- Approve or reject your submission
- Inform you of our decision by phone
- Ask you to reinstate your old dispatch data if we rejected your submission

There is no formal notification through the Market Participant Interface (MPI) of an approval or rejection of your request to expand your ADE outside of the mandatory window in real time.

If you submit your changes within the mandatory window in real time, you must follow the rules for submitting dispatch data in that window as specified in Market Manual 4.2: Submission of Dispatch Data in the Real-Time Energy and Operating Reserve Markets. We will formally communicate an approval or rejection of your request to expand your ADE through the MPI.

There is no automated enforcement mechanism for the ADE after the DACP. It is your responsibility to notify us when your dispatch data revision expands your established ADE beyond the deadband defined in Section 4.5.5.3.

We use a manual ex-post process to find the instances of dispatch data revisions that expand your ADE without our approval.

### 4.5.3 Imports and Exports

If you are an importer or exporter, you may submit new or revised dispatch data within the restrictions for real-time operation as described in Market Manual 4.2: Submission of Dispatch Data in the Real-Time Energy and Operating Reserve Markets.

If you are an importer, you are not allowed to change the e-Tag used by the DACP such that the import becomes part of a linked wheel in real time.

### 4.5.4 Hourly Demand Response Resources

If you are an hourly demand response resource and need to revise your dispatch data to reflect your ability to reduce energy withdrawals, you may do so within the restrictions for real-time operations as described in Market Manual 4.2: Submission of Dispatch Data in the Real-Time Energy and Operating Reserve Markets.

### 4.5.5 Availability Declaration Envelope for Dispatchable Generation Facilities and Dispatchable Loads

The ADE is established by dispatch data that is accepted by 10:00, or approved before 14:00, as mentioned in Market Manual 9.2: Submitting Operational and Market Data for the Day-Ahead Commitment Process.
You may submit offers/bids in real time within the hours, energy, and capacity of your facility’s ADE. There are no restrictions on price changes and there are no restrictions on daily energy limit changes. However, offers exceeding the hours and/or quantities of the ADE require our approval.

Offers submitted by dispatchable generation facilities during DACP provide their declaration of the hours, energy, and capacity for those hours which they intend to offer in real time. Bids submitted by dispatchable loads during DACP provide their declaration of the hours, energy, and capacity for those hours which they intend to bid during real time.

These declarations of availability in the day-ahead, together with the energy schedules submitted by non-dispatchable generation facilities, provide us with a picture of the adequacy of available market resources. This picture allows us to commit generation and schedule imports in the day-ahead to meet forecast Ontario demand.

Because you are not financially bound by the dispatch data you submit in the DACP, and because this dispatch data is used as the basis for resource commitment and reliability guarantees, we place certain restrictions on the offers or bids that you can make in real time.

4.5.5.1 The Availability Declaration Envelope

The ADE applies to dispatchable generation facilities and dispatchable loads (the notion of the ADE does not apply to non-dispatchable generation facilities, non-dispatchable loads, imports, or exports).

The ADE is the hourly energy and capacity offered into the DACP for dispatchable generation facilities, or the hourly load bid as dispatchable for dispatchable loads.

Offers for operating reserve into the DACP must be accompanied by a corresponding energy offer (or bid for dispatchable load). While there is no ADE for operating reserve (OR), the ADE of the corresponding energy offer/bid will impact the amount of OR you can offer in real time.

The ADE is established for the next dispatch day by the most recent approved dispatch data that was considered in the DACP Schedule of Record.

If you are a dispatchable generation facility, you may submit offers in real time within the hours, energy, and capacity of your facility’s ADE. There are no restrictions on price changes within the ADE and there are no restrictions on daily energy limit changes within the ADE. However, offers exceeding the hours and/or quantities of the ADE require our approval.

If you are a dispatchable load, you may submit bids in real time (and corresponding offers for OR) within the hours and dispatchable load quantities of your facility’s ADE. There are no restrictions on price changes within the ADE. However, bids (and offers for OR) exceeding the hours and dispatchable load quantities of the ADE require our approval.

We will approve the submission of new or revised dispatch data that increases the ADE for dispatchable generation or dispatchable load facilities for the following reasons:

- If the facility is returning early from planned outages or forced outages, forced de-ratings, or cancellation of planned outages
- If we requested additional bids and offers (in which case, you do not need to call the IESO)
- If such increases to your facility’s ADE will resolve emerging reliability concerns
For the late start of a planned outage, the IESO will accept the dispatch data submitted, but the IESO will not approve the expansion of your ADE. The submission will be logged to compliance for follow up.

### 4.5.5.2 Enforcement of the Availability Declaration Envelope

There is no automated enforcement mechanism of the ADE for dispatch data submitted after the DACP. The following actions apply to changes in ADE:

- **Offers or bids** you submit, which pass normal validation checks, will be entered into the IESO’s systems.
- If your offer or bid violates your facility’s ADE, you must notify us of your submission so we can consider it for approval (except for our request for additional bids and offers).
- Upon notification, we will review your bid or offer and accept or reject it based on the reasons stated above.
- The IESO will log our acceptance or rejection and will phone you to inform you of our decision.
- Rejection does not automatically substitute the previous bid or offer. You must correct any dispatch data that violates the ADE by submitting new dispatch data.
- We will manually process detected violations of the ADE (done without our approval) after the trade date of the DACP.
- We will apply a deadband above the ADE quantities for assessing compliance. (See the 4.5.5.3 Availability Declaration Envelope Deadband section below.)
- If you exceed your facility’s ADE without approval, you will be subject to compliance actions for breach of the market rules.

### 4.5.5.3 Availability Declaration Envelope Deadband

You may make small increases to your ADE without requesting our approval. These increases must be limited to 2% of the ADE established in the DACP Schedule of Record, or 10 MW, whichever is less.

### 4.5.6 Submit Outage Requests

Submitting outage requests after the DACP uses the same process as real time.

For early return from outages, (both planned outages and forced outages), you must submit revised dispatch data to reflect your status. Any changes or additions to dispatch data submissions shall be consistent with outage requests submitted before 10:00.

For early return from planned outages, we will approve the dispatch data submitted that is consistent with the operation of your facility, and log the submission for compliance.

For late start of planned outages, we will accept the dispatch data submitted, but we will not approve the expansion of your ADE. The submission will be identified to Compliance for follow up. For details, refer to Market Manual 7.3: Outage Management.
4.5.7 Submit Non-Performance Events

Submission of non-performance events for HDR resources after the DACP must be made as indicated in Section 2.2 of Market Manual 7.3: Outage Management. Revised dispatch data must be submitted for an HDR resource to reflect any change to demand response capacity occurring after the DACP.

4.5.8 Submit Outage Cancellation Requests

We will approve outage cancellation requests and the submission of revised dispatch data to reflect your status. However, we will flag the revised dispatch data for compliance review.

4.6 Synchronize Units Committed in the Day-Ahead

When we commit your generation unit for reliability or the DA-PCG, we constrain it on to its MLP and for its day-ahead scheduled hours. In real time, we will dispatch your unit to at least its MLP for all hours that it received a day-ahead schedule.

To meet this dispatch, you must plan the time you start and synchronize your unit. How you operate in real time may affect your eligibility for the DA-PCG. For additional information, refer to Market Manual 9.5: Settlement of the Day-Ahead Commitment Process.

When your generation unit is synchronized, it will be dispatched to its MLP using the ramp rate in the offers submitted. If the generation unit reaches its MLP before the first hour in which a constraint is applied, then we will dispatch your generation unit to at least its MLP for the hour(s) required prior to the constraints.

You must call us if you realize that you cannot be at your MLP at the beginning of your committed hours, within the applicable compliance deadband for real time operation as specified in “Interpretation Bulletin IMO_MKRI_001—Compliance with Dispatch Instructions Issued to Dispatchable Generators”. This allows us to make any necessary adjustments in the market systems to reflect your unit’s actual capability.

You must also call us if you cannot comply with your dispatch instructions after the constraints applied in the DACP have ended and you have not yet fulfilled your minimum generation block runtime (MGBRT) due to a delay in either synchronization or reaching your MLP. You will not be required to comply with these dispatch instructions if you are within the provisions of Section 7.5.3 of Chapter 7 of the “Market Rules”.

- End of Section -
5. Procedures for Real-Time Integration of the DACP

This section, which applies only to PCG-eligible resources, provides the following procedures relating to the interaction of the DACP and real-time operation.

- Procedure 5.1 Withdraw Offers for a Committed Resource
- Procedure 5.2 Respond to IESO Request for De-commitment

Procedures associated with the submission of dispatch data and daily generation data (DGD during and after the operation of the DACP are covered in Market Manual 9.2.

5.1 Withdraw Offers for a Committed Resource

This section describes the procedure for withdrawing your offers for a DA-PCG eligible generation facility that received a commitment from the DACP.

5.1.1 Withdraw Offers for a Committed Resource – Procedure

This procedure is initiated when a PCG-eligible resource wants to withdraw its offers after receiving a commitment from the DACP. This activity can occur at any time after the DACP Schedule of Record is issued until two hours prior to the dispatch hour, regardless of whether the generation unit has synchronized to the IESO Controlled Grid or not.

5.1.2 Workflow for Withdraw Offers for a Committed Resource

The diagrams in this section represent the flow of work and information related to withdrawing offers for a committed resource.

See the table below for a description of the shapes used in the workflow diagram.

Table 5-1: Workflow Diagram Legend

<table>
<thead>
<tr>
<th>Legend</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oval</td>
<td>An event that triggers a task or that completes a task. Trigger events and completion events are numbered sequentially within procedure (01 to 99)</td>
</tr>
<tr>
<td>Task Box</td>
<td>Shows reference number and task name or brief summary of a task. Reference number (e.g., 1A.02) indicates the procedure number within the current market manual (1), sub-procedure identifier (if applicable) (A), and task number (02)</td>
</tr>
<tr>
<td>Solid Horizontal Line</td>
<td>Shows information flow between the IESO and external parties</td>
</tr>
<tr>
<td>Solid Vertical Line</td>
<td>Shows linkage between tasks</td>
</tr>
<tr>
<td>Broken Line</td>
<td>Links trigger events and completion events to preceding or succeeding task</td>
</tr>
</tbody>
</table>
Part 9.4: Real-Time Integration of the DACP

5. Procedures for Real-Time Integration of the DACP

Market Participant

01 MP wishes to withdraw dispatch data

5.1.01 MP with day ahead commitment revises dispatch data and enters reason code

5.1.03 MP notifies the IESO of their intent to withdraw and describes the reason for the withdrawal

5.1.06 MP receives outcome of IESO reliability assessment

02 MP can withdraw

03 MP can’t withdraw

IESO

5.1.02 Revised dispatch data is queued for IESO approval

5.1.04 IESO reviews reason for withdrawal and performs reliability assessment

Approved

Rejected

5.1.05 IESO approves withdrawal request

5.1.07 IESO rejects withdrawal request and provides reason

Figure 5-1: Withdraw Offers for a Committed Resource
5. Procedures for Real-Time Integration of the DACP

5.1.3 Procedural Steps for Withdraw Offers for a Committed Resource

This section contains details on the task steps that make up a request to withdraw offers for a committed resource.

See the table below for a description of the fields used in the table of procedural steps.

Table 5-2: Procedural Steps Legend

<table>
<thead>
<tr>
<th>Legend</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ref #</td>
<td>The numerical reference to the task</td>
</tr>
<tr>
<td>Action</td>
<td>Detail about the specific task including:</td>
</tr>
<tr>
<td></td>
<td>• A description of the events that can trigger commencement of the task</td>
</tr>
<tr>
<td></td>
<td>• A list of the information flows that may or must result from the task</td>
</tr>
<tr>
<td>Tools</td>
<td>The format and method for each information flow are specified</td>
</tr>
</tbody>
</table>

Table 5-3: Procedural Steps for Withdraw Offers for a Committed Resource

<table>
<thead>
<tr>
<th>Ref #</th>
<th>Action</th>
<th>Tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>You wish to withdraw offers for a committed resource (PCG-eligible resource with a day-ahead schedule):</td>
<td>• Market Operation System - Market Participant Graphical User Interface (MPI) or Application Programmers Interface (API)</td>
</tr>
<tr>
<td></td>
<td>• After the DACP Schedule of Record has been issued</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Before or after the generation unit has synchronized to the IESO-controlled grid</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Regardless of whether the withdrawal is within your control</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• More than 2 hours before the dispatch hour</td>
<td></td>
</tr>
<tr>
<td>5.1.01</td>
<td>You have a day-ahead commitment and revise dispatch data and enter a reason code:</td>
<td>• The market participant Graphical User Interface Users Guide can be found on the Technical Interface page of the IESO website: (<a href="http://www.ieso.ca">www.ieso.ca</a>)</td>
</tr>
<tr>
<td></td>
<td>• Reason code required (new reason code “withdraw” for withdrawals that are within your control)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Must be outside the mandatory window (more than 2 hours in advance of the dispatch hour)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Submissions without a reason code</td>
<td></td>
</tr>
</tbody>
</table>

Market Operation System - Market Participant Graphical User Interface (MPI) or Application Programmers Interface (API)
<table>
<thead>
<tr>
<th>Ref #</th>
<th>Action</th>
<th>Tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.1.02</td>
<td>Revised <em>dispatch data</em> is queued for <em>IESO</em> approval</td>
<td>Market Operation System -Market Participant Graphical User Interface (MPI) or Application Programmers Interface (API)</td>
</tr>
<tr>
<td>5.1.03</td>
<td>You notify the <em>IESO</em> Control Room Operator of your intent to withdraw and describe the reason for the withdrawal</td>
<td>Telephone</td>
</tr>
</tbody>
</table>
| 5.1.04 | We review the reason for withdrawal and perform a *reliability* assessment  
- Reason code “withdraw” must be used for withdrawals that are within your control | *IESO* assessment tools |
| 5.1.05 | We approve your withdrawal request and notify you:  
- No *security* or *adequacy* issues identified in *IESO* assessment |  
- Market Operation System – *IESO* OPGUI  
- Telephone |
| 5.1.06 | You receive the outcome of *IESO* reliability assessment:  
- Withdrawal request approved  
- Changes to offers approved |  
- Telephone  
- Market Operation System -Market Participant Graphical User Interface (MPI) or Application Programmers Interface (API) |
| 5.1.07 | The *IESO* rejects your withdrawal request and notifies you:  
- *Security* and/or *adequacy* issues identified in *IESO* assessment |  
- Market Operation System – *IESO* OPGUI  
- Telephone |
| 5.1.08 | You receive the outcome of the *IESO’s reliability* assessment:  
- Withdrawal request rejected  
- Changes to offers rejected |  
- Telephone  
- Market Operation System -Market Participant Graphical User Interface (MPI) or Application Programmers Interface (API) |
5.2 **Respond to IESO Request for De-commitment**

5.2.1 **Respond to IESO Request for De-commitment—Procedure**

This procedure is initiated when the *IESO* calls you to request you to de-commit a PCG-eligible *generation facility* that received a day-ahead schedule and commitment from the DACP.

The *IESO* will de-commit your unit only for *reliability* reasons and only after the *IESO* calls to inform you of the *IESO*’s intention to remove the constraints applied to your unit.

5.2.2 **Work Flow for Respond to IESO Request for De-commitment**

The diagrams in this section represent the flow of work and information related to the activities associated with a request from the *IESO* to de-commit your *generation unit*. A legend for the workflow diagram is shown in Table 5-1.

See Table 5-1: Workflow Diagram Legend for a description of the shapes used in the workflow diagram.

---

**Figure 5-2: Workflow for Respond to IESO Request for De-commitment**
5.2.3 Procedural Steps for Respond to IESO request for De-commitment

This section contains details on the steps needed when the IESO requires your generation unit to be de-committed for reliability.

See Table 5-2: Procedural Steps Legend for a description of the fields used in the table of procedural steps.

Table 5-4: Procedural Steps for Respond to IESO Request for De-commitment

<table>
<thead>
<tr>
<th>Ref #</th>
<th>Action</th>
<th>Tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>The IESO identifies a reliability issue requiring de-commitment: • PCG-eligible generation unit that received a commitment from the DACP</td>
<td>• Pre-dispatch results • IESO assessment tools</td>
</tr>
<tr>
<td>5.2.01</td>
<td>The IESO determines that the de-commitment of one or more generation units is required for reliability: • Specific generation unit(s) identified that will address the reliability issue • Before or after the generation unit has synchronized to the IESO-controlled grid</td>
<td>• Pre-dispatch results • IESO assessment tools</td>
</tr>
<tr>
<td>5.2.02</td>
<td>The IESO notifies generators that can resolve the reliability problem</td>
<td>Telephone</td>
</tr>
<tr>
<td>5.2.03</td>
<td>You receive notification of the requirement to de-commit</td>
<td>Telephone</td>
</tr>
<tr>
<td>5.2.04</td>
<td>You remove offers for future hours where a day-ahead commitment existed: • Before or after the generation unit has synchronized to the IESO-controlled grid • Removal of offers will be queued for IESO approval either inside or outside the mandatory window</td>
<td>Market Operation System - Market Participant Graphical User Interface (MPI) or Application Programmers Interface (API)</td>
</tr>
<tr>
<td>5.2.05</td>
<td>IESO approves changes to your dispatch data: • Will not be treated as a withdrawal because the removal of offers is not within your control</td>
<td>• Market Operation System – IESO OPGUI • Telephone</td>
</tr>
<tr>
<td>5.2.06</td>
<td>The IESO removes your day-ahead constraint: • PCG-eligible generation unit that received a day-ahead commitment</td>
<td>IESO Contract Manager Application</td>
</tr>
<tr>
<td>02</td>
<td>The reliability issue identified by the IESO is solved</td>
<td></td>
</tr>
</tbody>
</table>

- End of Document -