CBL Certification Process

The CBL Certification process will identify variable load customers. All customers must use a CBL with an error (RRMSE) no greater than 20% unless otherwise approved by PJM.

- If a customer’s CBL error is greater than 20% then the customer is considered to be a variable load customer and another CBL must be used.
- If an alternate CBL with an error less than 20% (unless otherwise approved by PJM) cannot be found then the registration will be terminated by PJM.
- All new Economic DR registrations require CBL Certification.
- Registration extensions will not require CBL Certification. Note: All registrations will be terminated as part of the implementation plan and therefore need a new registration which will go through the CBL certification process. Once the registration goes through the CBL certification once, subsequent Registration extensions will not be required to go through the CBL certification process.

**Exception**

- CSPs shall inform PJM of any significant operational changes that affect the load which in turn require an evaluation of the existing CBL.
- Registrations with significant operation changes require CBL Certification.
- PJM may review and request accuracy of registration CBL on a periodic basis

CBL Certification Process

CBL Certification is performed prior to submitting the registration. This process eliminates current alternative CBL process and focus on getting CBL correct on registration.

1) Create Registration & save registration (New status)
2) Input Load Data
3) CSP should run RRMSE
   a. Standard CBL with SAA must be run
   b. CSP may run other alternative CBLs
4) CSP can select any CBL from drop down on registration if CBL has RRMSE in successful status
Order 745 implementation detail and conforming business rules for manuals

a. if registration has “successful” RRMSE <=20% for CBL selected on registration with 30 CBL test days AND RRMSE is lower than Standard CBL THEN CSP may submit and PJM does not need to approve.
   i. Load Data used must be contiguous where most current date of load data is <= current date minus 60.

b. Otherwise, CSP can initiate a “CBL Review Task” for PJM to review CBL exception for one of the following reasons and then be able to submit the registration for approval:
   i. RRMSE >20%
   ii. Alternative CBL RRMSE > Default RRMSE
   iii. Insufficient load data (not able to get 30 CBL Test Days)
   iv. Outdated load data (most current load data is older than 60 days from current date)
   v. Use of Manual CBL.

c. Once CSP submits CBL Review Task or submits registration the CSP cannot change the CBL on the registration.

d. PJM CBL Review Task will use same logic and timeline today embedded in alternative CBL process (including settlement hold process).

e. Registration goes through normal Registration approval process

New CBL Test tab with display of how user can initiate and view RRMSE results
Order 745 implementation detail and conforming business rules for manuals

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<tr>
<th>Registration Details (200987)</th>
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**Add CBL Test**  
**Export as XML**

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<th>Window End Date</th>
<th>CBL Method</th>
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<th># of Days</th>
<th>Status</th>
<th>Date Run</th>
<th>User ID</th>
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**Summary**

- No meter data found
- Successful
- Successful

**Date Run**

- (210) 123 - 4567
- 12/10/2011
- 12/10/2011
- 12/10/2011
- 12/10/2011

**Window End Date**

- 45
- 0
- 39
- 45

**User ID**

- jdoe
- fjones
- fmann
- mani

**Report**

- Report
- Report
- Report
- Report

**Action**

- Report
- Report
- Report
- Report

ULSI: Confidential and Proprietary Information
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CBL detailed report

User will be able to select 1 day at a time and view a CBL detailed report (same type of report that is available today for settlements)
Example of RRMSE detailed report that will be available

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Average Pct: 92%
RRMSE: 16.36%
Order 745 implementation detail and conforming business rules for manuals

Maximum Base Load CBL (MBL)

The MBL CBL for weekdays shall be the average of the daily minimum hourly loads during the event hours over the 5 most recent weekdays preceding the load reduction event within the 45 calendar day period preceding the load reduction event. It is expected that this alternative CBL may be used for variable loads where other CBLs are not accurate.

The daily minimum load calculation must be based on a minimum of three hours. If the number of event hours is less than three, then the daily minimum load calculation will use the following hours:

1. The hour prior to the first hour of the event
2. The hour(s) of the event
3. The hour after the event

For the purpose of calculating the MBL CBL for weekdays, weekdays shall not include:

1. NERC holidays
2. Weekend days
3. Event Days defined as previous submitted non-denied submitted settlements.
4. Any weekday where the average daily event period usage is less than 25% of the average event period for the five days.

If a 45-day period does not include 5 weekdays, provided that there are 4 weekdays within the 45-day period, the MBL CBL shall be based on the average of the daily minimum loads using hours defined above.

If a 45-day period does not include 4 weekdays, the most recent prior event days will be used as necessary to meet the 4 day requirement to calculate the MBL CBL.

The MBL CBL for Saturdays and Sundays/NERC holidays shall be the average of the daily minimum loads during the event hours over the 3 most recent Saturdays or Sundays/NERC holidays within the 45 calendar period preceding the load reduction event.

The daily minimum load calculation must be based on a minimum of three hours. If the number of event hours is less than three, then the daily minimum load calculation will use the following hours:

1. The hour prior to the first hour of the event
2. The hour(s) of the event
3. The hour after the event

For the purpose of calculating the MBL CBL for a Saturday or Sunday/NERC holiday, the following days shall not be used to calculate a Saturday or Sunday/NERC holiday MBL CBL:
Order 745 implementation detail and conforming business rules for manuals

1. Weekend event days defined as previous submitted non-denied submitted settlements.

2. Any Saturday or Sunday/NERC holiday where the average daily event period usage is less than 25% of the average event period usage level for the three days.

3. Any Saturday or Sunday/NERC holiday where that corresponds to the beginning of end of daylight savings.

If a 45-day period does not include 3 Saturdays or Sundays/NERC holidays, provided that there are 2 Saturdays or Sundays/NERC holidays within the 45-day period, the MBL CBL shall be based on the average of the daily minimum loads of those 2 Saturdays or 2 Sundays/NERC holidays.

If a 45-day period does not include 2 Saturdays or Sundays/NERC holidays, the most recent prior event days will be used as necessary to meet the 2 day requirement to calculate the MBL CBL.
Order 745 implementation detail and conforming business rules for manuals

Relative Root Mean Squared ERROR (RRMSE)

1) To perform the RRMSE calculation, daily CBL calculations are first performed for each CBL method using hours ending 14 through hours ending 19 as the simulated event hours for each of the 60 non-event days according to each CBL method rules.

2) Actual Hourly errors are calculated by subtracting the CBL hourly load from the actual hourly load for each of the simulated event hours of the non-event day.

3) The Mean Squared Error (MSE) is calculated by summing the squared actual hourly errors and dividing by the number of simulated event hours.

4) The Average Actual Hourly Load is the average of the actual hourly load for each of the simulated event hours.

5) The Relative Root Mean Squared Error (RRMSE) is calculated by taking the square root of the quantity (MSE/Average Actual Load).

Example of RRMSE calculated over 10 day period

1) Daily CBL calculations are first performed for each CBL method using hours ending 14 through hours ending 19 as the simulated event hours for each of the 60 non-event days according to each CBL method rules.

<table>
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<th>2-3PM</th>
<th>3-4PM</th>
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<td>6,918</td>
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2) Actual Hourly errors are calculated by subtracting the CBL hourly load from the actual hourly load for each of the simulated event hours of the non-event day.

3) The Mean Squared Error (MSE) is calculated by summing the squared actual hourly errors and dividing by the number of simulated event hours.

4) The Average Actual Hourly Load is the average of the actual hourly load for each of the simulated event hours.
5) The Relative Root Mean Squared Error (RRMSE) is calculated by taking the square root of the MSE/Average Actual Load.

\[ \sum \frac{e^2}{n} = \text{average(actual)} = \frac{\text{SQRT}(s)}{(n)} \]

<table>
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<tr>
<th>customer</th>
<th>Date</th>
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<th>2-3PM</th>
<th>3-4PM</th>
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<td>(42)</td>
<td>(17)</td>
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</tbody>
</table>
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CBL Pre-certification process FAQ:

1) Do I need to run RRMSE if I would like to use gen output data to determine the load reduction? No but PJM must approve the use of gen output data to determine the load reduction. Gen output data may only be used if the gen unit does not normally run. For example, a cogen operation must use load data and cbl to determine load reduction since the gen unit normally runs.

2) Do I need to run RRMSE and have accurate score if I will only participate in SR or Regulation market? No - but CSP will need to guarantee PJM that the registration will not bid in the energy market since PJM currently does not have a mechanism to preclude energy market participation. The process will be for CSP to select MBL, request PJM exception in eLRS and put in comment that Resource will not participate in energy market and will only participate in SR or Regulation. During the transition process, once the new registration is approved the CSP will request SR or Regulation and PJM will approve if previously certified.

Dispatch Implementation

- All Economic Load Response participation is defined as:
  1) Clearing in the Day-Ahead Market
  2) Dispatched by PJM in the Real-Time Market

- All registrations and Dispatch Groups will be eligible to set LMP

- Self Scheduling will be eliminated with the PJM implementation of FERC Order 745

- Consolidation of eMKT screens – cut the number of tabs in half to make much easier to manage bids, schedules and associated market results. This is expected to go live on 1/26 and will not change fields or web services – this will simply make it easier for CSP to administer if doing through the User Interface. Training material has been published and webex session will be conducted.

- Economic Min and Max MW on the DSR Hourly Updates can be changed up to 3 hours before the operating hour.

- DR bids for each Market Type will be handled as follows:
  a. Day-Ahead Market – If hour clears in DA market then DR should respond with associated MWs. PJM will not dispatch in RT for hours that clear in DA market.
  b. Balancing Market – DR should follow RT dispatch signal
  c. Both
    i. If hour clears in DA market then DR should respond with associated MWs. PJM will not dispatch in RT for hours that clear in DA market.
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ii. If hour does not clear then hour is eligible to be dispatched in RT.
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**Dispatch Groups**

Dispatch Groups can be created in eLRS for Economic participation in eMKT.

The Dispatch Groups allows the CSP to create a single offer for a group of registrations for economic participation.

- Day-Ahead Market
- Balancing Market
- Both

**Rules for creating Dispatch Groups in eLRS:**

1. Same CSP, Zone and Pricing Point.
2. Registrations participating in Ancillary Services (SR, DASR, Regulation) will not be permitted in Dispatch Group.
3. Registration cannot be in a Dispatch Group and as a standalone registration. This will ensure that each registration is only available to bid once in the market and avoid duplications.
4. PJM will create LSE negative DEC bids for DR that clears in DA market for Dispatch Group based on registration DR load reduction capability.
5. Registrations must be confirmed before they may be added to a Dispatch Group.
6. Registrations may not be added to a Dispatch Group if they have an open OPR CBL Review task.
7. Registration that clears in DA market is not allowed to be assigned to Dispatch Group on same day it cleared in DA market. If CSP does try to assign to Dispatch Group on such day then PJM will remove (because this may create conflict between single registration that cleared in DA market and DG that may be dispatched in RT for same Operating Day)

**Dispatch Groups are bridged from eLRS to eMKT**

1. Dispatch Groups must still be assigned to Portfolios
2. Use a single Schedule and all associated Schedule parameters to represent the Dispatch Group
3. DSR Schedules cannot be changed when the Market is closed (Same as today)
4. Use a single DSR Hourly Updates and all associated DSR Detail to represent the Dispatch Group.
5. The CSP is responsible for ensuring that at least 1 registration is in a Dispatch Group when they bid in eMKT.
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**Dispatch Group Notification when Dispatched by PJM**

1. The CSP will be notified of a Dispatch Group’s dispatch by PJM at the Dispatch Group level. The registrations that comprise the Dispatch Group will not be part of the notification.

Dispatch Group Search Screen. Click Action to create new Dispatch Group. Click DGID to see Dispatch Group information

<table>
<thead>
<tr>
<th>DGID</th>
<th>Dispatch Group Name</th>
<th>CSP</th>
<th>Zone</th>
<th>Effective Date</th>
<th>Termination Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
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<td>DOM</td>
<td>12/01/2011</td>
<td>12/31/2099</td>
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<td>DOM</td>
<td>12/01/2011</td>
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<td>12/01/2011</td>
<td>12/31/2099</td>
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<tr>
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<td>ECI</td>
<td>DOM</td>
<td>12/01/2011</td>
<td>12/31/2099</td>
</tr>
</tbody>
</table>

Create/add registration to Dispatch Group. Clicking Add Registration displays a list of registrations that meet the requirements for the Dispatch Group (zone, pricing point, etc.)
Order 745 implementation detail and conforming business rules for manuals
Electronic Notifications

The PJM Real-Time Dispatch of Registrations and Dispatch Groups will use an Electronic Notification. Electronic notification of Emergency events will not be included in the initial release.

1. Notifications are based on Web Services (WS) Pull sent to PJM by the CSP. This notification system is an extension of the existing web services functionality. Existing Web Services security will be used. A new service has been created to allow the CSP to perform regular periodic polling. CSP can continue to use existing Get Event service to pull down historical event information. The new regular periodic polling service is:

   - dispatchNotification (Noun)
   - Get (Verb)
     - Used to poll PJM each minute for new events
   - Update (Verb)
     - Used to acknowledge receipt of new events by Event ID

2. A new dispatchNotification web service will be created to include the following fields two additional fields relevant to the dispatch:

   - Event ID
   - Event type (RT dispatch or SR (when turned on by PJM) only; no emergency events)
   - Event date
   - Notify Time (time that the CSP receives dispatch instructions; previously known as Start Time)
   - Start time (actual time reductions are to begin; new field)
   - End time (time resource is released by PJM)

   - Min Down time (new field)
   - Deployment time
   - Target MW
   - Status
   - Short Lead
   - Long Lead
   - Registration ID
Order 745 implementation detail and conforming business rules for manuals

- Customer
- Type
- Program
- CSP
- EDC
- LSE

3. Web service design specification are described in the PJM LRS External Web Services Design Specification document linked here:


Note that the specification will be updated to reflect the new fields.

4. The PJM eLRS Web Services Guide which is linked here:


5. The Dispatch instructions will include all relevant data. Below are draft XML request and responses for dispatches (the additional fields noted above will be added):

dispatchNotification Request:

<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  <soapenv:Header/>
  <soapenv:Body>
    <mes:InformationRequest>
      <mes:Header>
        <mes:Verb>get</mes:Verb>
        <mes:Noun>dispatchNotification</mes:Noun>
        <mes:Revision>001</mes:Revision>
        <mes:Source>PJM</mes:Source>
        <mes:UserID>rmick</mes:UserID>
      </mes:Header>
      <mes:Request/>
    </mes:InformationRequest>
  </soapenv:Body>
</soapenv:Envelope>

dispatchNotification Response:
Order 745 implementation detail and conforming business rules for manuals

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
      <Header>
        <Verb>reply</Verb>
        <Noun>dispatchNotification</Noun>
        <Revision>1.0</Revision>
        <Source>PJM</Source>
        <UserID>rmick</UserID>
        <MessageID>1322591929149-ECI</MessageID>
      </Header>
      <Reply>
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      </Reply>
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            <ns2:id>2060</ns2:id>
            <ns2:summaryInfo>
              <ns2:eventDate>2011-11-10-05:00</ns2:eventDate>
              <ns2:eventType>Real-Time Dispatch</ns2:eventType>
              <ns2:startTime>2011-11-10T05:00:00.000-05:00</ns2:startTime>
              <ns2:endTime>2011-11-10T07:00:00.000-05:00</ns2:endTime>
              <ns2:shortLead>false</ns2:shortLead>
              <ns2:longLead>false</ns2:longLead>
              <ns2:target>5000.0</ns2:target>
              <ns2:status>Confirmed</ns2:status>
            </ns2:summaryInfo>
            <ns2:registrationInfo>
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              <ns2:reference>R2011</ns2:reference>
              <ns2:name>Cust 1</ns2:name>
              <ns2:type>Economic</ns2:type>
              <ns2:program>Economic</ns2:program>
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                <ns2:name>ECI</ns2:name>
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              <ns2:zone>AEP</ns2:zone>
            </ns2:registrationInfo>
          </ns2:Event>
        </ns2:Events>
      </Payload>
    </ResponseMessage>
  </soap:Body>
</soap:Envelope>
Order 745 implementation detail and conforming business rules for manuals

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  <ns2:summaryInfo>
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    <ns2:eventType>Real-Time Dispatch</ns2:eventType>
    <ns2:startTime>2011-11-12T05:00:00-05:00</ns2:startTime>
    <ns2:endTime>2011-11-12T07:00:00-05:00</ns2:endTime>
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  <ns2:registrationInfo>
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  </ns2:registrationInfo>
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Empty dispatchNotification Response (i.e. no events):

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ResponseMessage
      <Header>
        <Verb>reply</Verb>
        <Noun>dispatchNotification</Noun>
      </Header>
    </ResponseMessage>
  </soap:Body>
</soap:Envelope>
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6. The following gives the timeline for event notification and heartbeat:

- Every minute, CSP will send a WS Get dispatchNotification request to ask for all unacknowledged events, current or into the future that have not been acknowledged already. CSP will receive all non-acknowledged events that are either presently in progress or have a future start time.

- PJM will reply with list of all events (emergency or economic RT dispatch or SR) and list of all the registrations and/or dispatch group(s) involved in each the event. (PJM does not expect to implement the list of registrations segment for Emergency Load Management events in 2012.)
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- CSP will reply with an Update dispatchNotification acknowledgement message. There should be a log entry recording that an Event was acknowledged pull was made. There can be multiple events in each response.

- This one minute polling will act as the heartbeat. The heartbeat indicates that the end-to-end communication path is healthy.

7. CSP must create and be able to support their infrastructure to periodically (once per minute) pull event information from PJM. CSPs should use the eLRS Web Services Guide as the reference for creating the pulling services.

- As an aid, a simple generic non-supported polling application (such as Java for Windows 7) will be available to CSPs to enable them to submit the dispatchNotification WS requests in the appropriate format and convert the reply message to CSV for storage on a local drive. It is the CSPs responsibility to maintain and manage their own webservice Client – PJM will not be responsible for this infrastructure of configuration at the CSP location.

8. The event message sent by PJM will include list of registrations if applicable (PJM does not expect to implement for Emergency Load Management events in 2012)).

9. Each CSP will be able to query for its own messages/events. In addition to the automatic pulling of event data, the CSP will be able to pull historic events by setting the time period and event type.

10. Once a notification has been acknowledged it should not be part of the next poll.

11.8. If heartbeat is not heard or if there are un-acknowledged messages for a length of time an alarm escalation process will initiate as follows:

- STEP 1 (CSP alarm 1): We can send an alarm email to the CSP (users with Any Dispatch and above User Interest) if there is no heartbeat check for over 10 minutes or if there is no pull from the CSP when there are unacknowledged events with a start time more than 3 minutes old.

- STEP 2 (CSP alarm 2): If after an additional 15 minutes to each time in STEP 1 there is either no heartbeat or there are still un-acknowledged events then a second alarm email should be sent to the CSP (users with Any Dispatch and above User Interest).

- STEP 3 (PJM alarm): If after an additional 30 minutes to each time in STEP 2 there is either no heartbeat or there are still un-acknowledged events then an alarm email should be sent to PJM’s DSR Ops and ITOC including the CSP name and time of last successful heartbeat or acknowledged event.
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Settlements

Settlement Revenue

CSPs are eligible to be paid full LMP for the Registration’s or Dispatch Group’s reductions, provided that the LMP at the pricing point is at or above the Net Benefits Price.

1. All Registrations or Dispatch Groups must either clear in the Day-Ahead Market or be Dispatch by PJM in order to be eligible for settlement revenue.

2. All Registrations or Dispatch Groups are eligible for Make Whole payments.

3. All Registrations or Dispatch Groups are subject to Balancing Operating Reserve (BOR) charges for deviations greater than 20% from the PJM Day-Ahead or Real-Time Dispatch instructions.

4. Registrations that are cleared or dispatched will be evaluated at the registration level when evaluating BOR

5. DR resources may submit bids that are less than the Net Benefits price.
   
   • If the DR resource clears in the Day-Ahead Market or is dispatched in the Real-Time Market and the corresponding hourly LMP is less than the Net Benefits Price, then the DR resource will receive no settlement credits and no make-whole credits. The DR resource will still receive BOR Charges for under or over reductions.

6. All settlements that are not submitted within 60 days of the economic event will be sent to Market Settlements by PJM with 0 kW hourly reductions. BOR will be assessed based on the deviations of the stand alone settlement or Dispatch Group settlement.

7. All settlements that are still pending, denied or withdrawn after 75 days from the economic event will be sent to Market Settlements. These settlements will be assessed 0 kW hourly reductions. BOR will be assessed based on the deviations of the stand alone settlement or Dispatch Group settlement.

Dispatch Group Settlements

To calculate the reductions achieved by the Dispatch Group after an economic event, individual settlements need to be created in eLRS.

1. The CBL needs to be calculated in order to calculate the reductions for the individual registrations.

2. The Dispatch Group event will be entered as an Event in eLRS. Once a Dispatch Group is created successfully, the status will be 'Confirmed'. Note: a single registration's event status is 'Settled'.
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1.3. The Dispatch Group event will be de-aggregated to the registration level and registration events will be created. The registration events will be based on the registrations in the Dispatch Group when the event is bridged into eLRS – approximately 3:00 AM.

2.4. The Dispatch Groups are de-aggregated and individual settlements are created in eLRS based on the registration level events. The individual settlements are submitted by the CSP and the meter data and loss factors are verified by the EDC and retail rate is reviewed by LSE similar to current settlement review process.

3. The total reduction for the Dispatch Group is calculated once a day as the sum of all the reductions of the settlements. Once all of the settlements in the Dispatch Group reach their final state, the Dispatch Group Reduction is bridged to Market Settlements for billing.

a. The final State for a Dispatch Group Economic Settlement is achieved when all of the individual settlements within the Dispatch Group achieve the following status:

i. All settlements in Dispatch Group are confirmed.

ii. Prior to the 60th day after the event, the CSP may mark the Dispatch Group ready for settlement. No further updates to any settlements may be done in the Dispatch Group.

iii. On the 61st day after the event and all settlements are either confirmed, withdrawn or expired.

iv. The 75th day after the event has been reached, the Dispatch Group settlement will be sent to settlements regardless of the individual status of any settlements in the group.

4. Dispatch Groups that are cleared or dispatched will be evaluated at the Dispatch Group level when evaluating BOR. Deviations and BOR will be assessed based on the reduction of the Dispatch Group.

5. Market Settlements will only provide settlement report based on Dispatch Group(s) and not by registrations.

**Settlement Compensation (see worksheet for detailed examples)**

1. If resource bids in DA market is less than NBT and bid clears at DA LMP less than NBT then all energy delivered will be settled at LMP – G&T compensation structure for both DA and RT markets (if there is an imbalance).

2. If resource bids in DA market is greater than or equal to NBT then all energy delivered will be settled at full LMP compensation structure.
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Note: DA make whole is based on bid price or bid price less G&T where appropriate. DA make whole is not a function of amount of deviation. BOR changes will be applicable for all deviations.

3. If resources does not bid in DA market but has RT dispatch price less than NBT and is dispatched by PJM in RT then all hours where LMP is less than NBT will be compensated at LMP-G&T and all hour equal or greater than NBT will be compensated at full LMP.

   a. Make Whole is hourly and based on lesser or bid volume and actual volume delivered
      
      i. Make whole is only eligible for hour if load reductions is within +/- 20% of dispatch amount
      
      ii. Make whole compensation is based on bid if bid => NBT otherwise bid - G&T
      
      iii. Shutdown cost will not be paid if any hour in segment is outside 20% volume deviation
      
      iv. Shutdown cost is paid once for all contiguous hours
      
      v. Segment make whole is sum of hourly make whole (ie: negative make whole will offset positive make whole)

   b. BOR charge applied to all deviations outside +/-20%

Settlement Cost Allocation

The cost of Economic Demand Response settlements will be allocated to all of the Market participants with real-time exports from PJM and LSE’s within a zone that has an LMP greater than the Net Benefits Price.

1. Market Participant with real-time exports
   
   • ratio-share basis based on their real-time exports \(\text{where PJM LMP} \geq \text{NBT}\)

2. LSEs
   
   • ratio-share basis based on their real-time loads in the zone.

Settlement Reports (from MSRS)

1) Load Response Summary Report

   a. The Load Response Summary report will still be used to view data for dates from prior to FERC 745 go live For data from activity days after FERC 745 go live, there will be a new Load Response Credit Report. This new report will support the following line items; DA Load Response Credit (2240), DA Operating
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Reserves for Load Response Credit (2371), RT Load Response Credit (2241) and Emergency Load response Credit (2245)

2) Economic Load Response Zonal Charge Allocations Report
   a. This report will support the new line items DA Load Response Charge Allocation (1242) and RT Load Response Charge Allocation (1243)

3) Operating Reserve for Load Response Credit Report – Pre FERC 745
   a. No change for Pre FERC 745

4) Operating Reserve for Load Response Credit Report – Post FERC 745
   a. This report has been updated to remove the DA Operating Reserves for Load Response Credit (2371). Column Segment ID has been added. Column RT Shutdown Cost Multiplier has been removed.

5) Balancing Operating Reserve for Load Response Deviation Charge
   a. This report will be used by CSPs to view their DA and RT only deviations

6) Operating Reserves for Load Response Charge Allocations
   a. This report will be used by LSEs to view the negative operating reserve charges