



## eLRS Release Notes

These eLRS release notes are meant to provide a brief description of changes to the eLRS application that impact users. Please see the eLRS User Guide located on the webpage <http://www.pjm.com/markets-and-operations/etools/elrs.aspx> for a more complete description. The User Guide will be updated over time as eLRS is enhanced based on User suggestions

### 1. Release 08/03/2011

#### 1.1. User Interface

##### 1.1.1. Compliance Meter Data Format Change

- Compliance data for emergency events for GLD or FSL registrations must now use the daily meter data format (24 hours per event, similar to emergency energy settlements) instead of the interval meter data format.
- Example meter data files can be found at: <http://pjm.com/markets-and-operations/etools/elrs/elrs-meter-data-manage.aspx>
- Compliance data requirements have not changed for DLC or Synchronized Reserve registrations.

#### 1.2. Web Services

##### 1.2.1. No changes

### 2. Release 06/13/2011

#### 2.1. User Interface

##### 2.1.1. Mandatory Emergency Test/Re-Test

- CSPs are now required to schedule their mandatory Test/Re-Test events in eLRS. CSPs are no longer required to send PJM an email notification of their upcoming Test or Re-Test event.
- Emergency Registrations now have a 'Test Required' flag on the Location tab that indicates if the registration is still required to test. Any registrations involved in a mandatory Emergency Event will have the flag turned off after the Event is over as the CSP no longer must submit Test data.
- Test/Re-Tests events are created by CSPs on the Event tab using the Action button.
- After the summer testing period is over CSPs will be able to change the status of one Test and Re-Test (if applicable) per zone to Confirmed. This will create the appropriate compliance records for each registration. Note: The timeframes for Mandatory Test/Re-Test Events and for uploading Compliance records remains unchanged.

##### 2.1.2. Location Addresses

- Location addresses may now be modified at any time by the CSP. The Location address must be the actual address of the location and NOT just the billing address for the location.

##### 2.1.3. Tasks for Load Management Events

- Reminder Tasks are now created for each CSP for each Emergency Event. The 'CSP Review' task only serves as a reminder that compliance and emergency energy settlement data needs to be uploaded. The Task can be removed from the My Task page by clicking 'Approve' and then Actions/Complete Task.



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### 2.2. Web Services

#### 2.2.1. Mandatory Emergency Test/Re-Test

- New requests have been added to allow the CSP to schedule and confirm Test and Re-Test events. Please see the WS User Guide at <http://pjm.com/markets-and-operations/etools/elrs/~media/etools/elrs/elrs-web-services-guide.ashx> for additional information.

### 3. Release 05/28/2011

#### 3.1. Infrastructure Upgrades

- ##### 3.1.1. Infrastructure upgrades were performed to allow more effective implementation of future enhancements. These upgrades are transparent to users of eLRS.

#### 3.2. User Interface

##### 3.2.1. Orgs and Users

- System User information such as Name, E-mail address and telephone number can now be designated as Public. This allows users from other organizations to easily obtain contact information for Users in another organization. Each company will control which users, if any, are Public contacts and what specific type of role they have in the organization. It is expected this will take the place of the DR Contact List currently published at <http://pjm.com/markets-and-operations/demand-response/~media/markets-ops/dsr/dsr-contact-list.ashx>

##### 3.2.2. Locations

- The Backup Generator Load Reduction method will now require the Backup Gen Fuel Type to be selected. If there is no value for Backup Load Reduction Method, then the Backup Gen Fuel Type must be 'None'.
- The default Status on the Location Search screen will now be Active so that Inactive locations are not displayed.
- Change inactive status - Locations where all associated registrations are in a Terminated status may now have their Location Status changed to Inactive. The CSP may change the status to Inactive if they no longer expect to utilize the location to make administration of locations easier.
- Ability to edit EDC Account Number AND Address - Locations where all associated registrations are in a Withdrawn, New or Denied Status will allow editing of the EDC Account Number and Address. This will allow a CSP to fix any errors with the EDC account number instead of creating a new EDC Account number.

##### 3.2.3. Registrations

- The Meter Owner is now visible on the Location tab of the Registration. This allows the EDC to easily see if the meter is a CSP Meter or an EDC Meter during the registration review process.



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- Aggregate Registrations - When adding a Location to a Registration, the popup window now supports filtering by Customer Name and EDC Account Number. This will make it easier to select multiple locations on a registration.
- Approved as Modified CSP Notification - When an EDC or LSE has permission and to modify a CSP registration during the review process, an email will be sent to the CSP indicating what was modified. Note – the Data History tab also contains records of all changes.

### 3.2.4. Settlements

- A flag has been added to the Settlement Search screen to indicate if the Settlement is an Adjustment.
- The Dispatch (kW) column now correctly displays the economic amount dispatched in Real-Time energy market

### 3.2.5. Events

- New columns have been added to the Event Search screen for Notify Time and Down Time. The Event Date has been renamed Start Date. The Date fields will now display both the Date and Time. This is intended to provide more clarification around events.

### 3.2.6. Compliance

- On the Compliance Search screen, the Start Time column has been renamed the Notify Time and a time has been added to the date. End Time also has a time component.

### 3.2.7. Meter Data

- A Header Row is now required for all meter uploads.

### 3.2.8. Reports

- A new report has been developed to display all Pending Tasks for Registrations and Settlements and who is responsible for the Task. This will help clarify for a CSP which task is waiting for review and which member needs to do such review.

## 3.3. Web Services

3.3.1. An infrastructure change was made to streamline Web Service Requests. There were no changes to functionality, the WSDL, schemas or expected results.

3.3.2. Web Services will now restrict the number of days of data in the 'Get' transactions according to the following chart:

Get Process	100 days
Get Registration	730 days



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Get Event	100 days
Get Dailydata	100 days
Get Intervaldata	100 days
Get Settlement	100 days
Get Compliance	100 days

- 3.3.3. Create Location – This is a corresponding change that has been made in the UI. The parameter for <p:generationFuelType> must now be specified as ‘None’, unless a <p:reductionType> of ‘Backup Gen’ is specified and then a fuel type must be chosen.
- 3.3.4. Web Services now returns more meaningful error messages when data is incorrect.
4. Release 12/13/2010
- 4.1. Infrastructure Upgrades
- 4.1.1. Infrastructure upgrades were performed to allow more effective implementation of future enhancements. The functionality of the eLRS User Interface has been modified slightly as outlined below.
- 4.2. User Interface
- 4.2.1. My Tasks Tab
- Additional filtering is now available making it easier to find records.
  - The functionality to assign tasks to individuals has been removed.
  - An Excel export button has been added to download the data on the My Tasks Search page. Used in conjunctions with the XML export, a complete record of the task and corresponding data can be obtained.
- 4.2.2. Meter Data Tab – a new tab has been created for Meter Data Management and Meter Data Summary. They were previously located under the Tools tab.
- 4.2.3. Events Tab - Event Details now has a ‘Related Events’ button to return to the search page and show related events for the same registration
- 4.3. Web Services
- 4.3.1. No changes
5. Release 08/18/2010
- 5.1. User Interface
- 5.1.1. Email Enhancements
- For performance improvements, the following emails will no longer be sent.  
**Please note this does not affect Emergency Event Notification (Declared or Ended) emails.**
- 5.1.1..1. Emails when Emergency Energy Event is Confirmed by PJM. PJM does a final confirmation of emergency energy start and end times based on internal logs to ensure the time in eLRS reflect the official event times.
- 5.1.1..2. Emails when an Emergency Energy Event Settlement is created and ready to be submitted by CSP.



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5.1.1..3. Reminder Emails when an Incomplete Emergency Energy Event Settlement reaches 50 calendar days after the Emergency Event Date. Note the settlements must be submitted within 60 days.

### 5.1.2. Addbacks

- PJM will upload any Add Back information for each Emergency Registration based on economic and emergency events.
- CSPs, EDCs and LSEs can retrieve the Add Back information by one of the following methods:

5.1.2..1. Go to the Tools tab, select Meter Data Summary. Choose Add Back for Type and Select a Date Range. You may filter by any of the fields with a yellow box below it. To see the Add Back data, click the Export as XML icon in the top right corner. Note that registrations with no information will show 0 days and 0 kWh – the xml file will only download location where add backs are present.



5.1.2..2. Go to the Tools tab, select Meter Data Management. Fill in the Registration ID, select the EDC Account Number. Select Meter Data Type for Interval Reading and Select a Date Range, then click Generate Report. You must then filter the spreadsheet by the Type column for Add Back. Please note this will download all interval data (Capacity Compliance, SR Compliance and Add Backs) for the registration and location for the date range – you may also retrieve prior versions of the information through this UI if multiple versions have been loaded.

### 5.2. Web Services

#### 5.2.1. Get Registration and Get Settlement

- Get Registration and Get Settlement Web Service requests have been updated to allow the following. Note: There is no change to the WSDL. This means you can now request only pending Settlements for a specific date range for a specific zone.

5.2.1..1. Option = Status, allows filtering by status.

5.2.1..2. Zone = Zone Name, allows filtering by settlement zone

## 6. Release 05/06/2010

### 6.1. User Interface



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### 6.1.1. RERRA Evidence

- References to RERRA Evidence are now available within the eLRS application. To access, click the Tools tab, then select RERRA Evidence.
- Each EDC may select default RERRA Evidence by state(s). Selecting a default will automatically add the RERRA Evidence to any new registrations with a location in that state. To access the default selections, click the Tools tab, then select Org and User Management, then select the EDC and click on the RERRA Evidence tab.
- Registrations being confirmed by a 'Small' EDC are now required to have a RERRA Evidence reference populated on the RERRA Evidence tab before the registration can be approved. If there is no RERRA Evidence reference on the registration within 10 business days, the registration will Auto-Deny instead of Auto-Approve.
- Registrations being denied by a 'Large' EDC for the new Denial Reason 'RERRA Evidence' must have a RERRA Evidence reference populated on the RERRA Evidence tab before the registration can be denied.

6.1.2. Economic registration extensions can now be requested with a new Terminate Date of a maximum of 400 days from the current Terminate Date.

6.1.3. Account Number Formats can now be restricted so that the minimum number of characters equals the maximum number of characters.

### 6.2. Web Services

6.2.1. Support for Terminate Registrations – terminating any registration that has a Start Date in the future. Please see Section 4.16 of the Web Services User Guide for detailed information on this new transaction <http://www.pjm.com/markets-and-operations/etools/~media/etools/elrs/elrs-web-services-guide.ashx>.

6.2.2. Support for Economic registration extensions can now be requested with a new Terminate Date of a maximum of 400 days from the current Terminate Date using the transaction type of Change Registration Terminate Date. See Section 4.15 of the Web Services User Guide for details <http://www.pjm.com/markets-and-operations/etools/~media/etools/elrs/elrs-web-services-guide.ashx>.

## 7. Release 03/29/2010

### 7.1. User Interface

7.1.1. DR Capacity Only – a new Program has been added for DR Capacity Only.

7.1.2. Termination of Emergency Registrations – CSPs can now terminate Emergency registrations, as necessary, any time before the Effective Date of the registration instead of contacting PJM to terminate.

7.1.3. Opt In/Opt Out Enhancements

- The Small/Large EDC designation is now visible on the registration screen next to the EDC name.
- When a registration is created with a Small EDC, a new task is generated for PJM to review/approve the RERRA Evidence supplied by the EDC in the Comment section.



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- 7.1.4. Copying or Extending Registrations – Data from the location is now refreshed with a registration is copied or the termination date of the registration is changed to a date after the current termination date. If the CSP updates location information it will be used on the next registration.
8. Release 12/28/2009
  - 8.1. User Interface
    - 8.1.1. Process History Performance Improvements – When the Process Name is clicked, the details below open in a timely fashion.
    - 8.1.2. Support for DR Registrations
      - The RPM DR Resource is no longer a required field when a DR registration is submitted. It can be updated by the CSP until the registration deadline date.
      - Two new RPM reports have been added for CSPs: Resources Linked to Registrations displays all RPM DR Resources and which registrations they have been linked to; Orphan DR Registrations display DR registrations for which no RPM DR Resource has been linked. Both of these reports can be download to an Excel spreadsheet.
    - 8.1.3. ID Numbers are now displayed on the Search pages
    - 8.1.4. Alert E-mail Performance Improvements – There is no longer a delay when real-time dispatch e-mails are sent out.
    - 8.1.5. Synchronized Reserve Meter Compliance Data File - A false duplicate message is no longer given because of Excel formatting issues.
    - 8.1.6. Copying Emergency Registrations – Economic registrations can now be created by copying an emergency registration and select Economic as the program type.
  - 8.2. Web Services
    - 8.2.1. Support for DR Registrations – The RPM DR Resource can be updated using the RPM DR Resource value instead of the internal OID number.
9. Release 12/07/2009
  - 9.1. User Interface
    - 9.1.1. My Tasks – the default Task Status when a user logs into eLRS is now ‘Available’.
10. Release 10/26/09
  - 10.1. User Interface
    - 10.1.1. Meter Data Download (Tools\Meter Data Summary) - New Feature added to allow users to quickly see summary of meter data (Days submitted, total kwh, max kwh, last event and last reading) submitted over a specific timeperiod for specific registrations and EDC account number. User can also download all meter data based on the filter results to xml file.
    - 10.1.2. Registration Copyback to Location – New Feature added to copy data modified on the registration back to the location. Fields include Peak Load Contribution,



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- Retail Rate, Contract Type, Rate Name, Rate Description, Energy Loss Factor and Capacity Loss Factor.
- 10.1.3. Support for Daylight Savings Time - the meter data upload will now require 25 hours for the long day (11/1/2009).
  - 10.1.4. Search Functionality – additional capability to sort registrations, settlements and compliance by Registration ID, in Location by Location Name.
  - 10.1.5. Support for EDC/State, EDC/Zone, Zone/Bus Pnode and Zone/Pricing Point relationships – enforced at the location and registration level when they are created or updated.
  - 10.1.6. Performance enhancements to the Process History tab
  - 10.1.7. Ability to add comments to a registration or settlement during approval of task
  - 10.1.8. Bus Pnode enhancement – EDCs can now select a Bus Pnode on a location by using a dropdown and selecting the Bus Pnode name instead of typing the data into the field.
  - 10.1.9. Email Content – enhancement to display the short name of the CSP, EDC and LSE on the registration or settlement.
  - 10.1.10. Manage Settlement Role – enhancement to allow this role to Read Registrations in addition to the current permissions.
- 10.2. Webservices
- 10.2.1. User Interface: Download the meter data for the entire date range for all the registration shown in the page as an xml, via a meter data download screen.
  - 10.2.2. XML Transaction request id is returned in the xml response.
  - 10.2.3. XML returns Process IDs for registrations and settlements.
  - 10.2.4. All completed and pending registration and settlement processes for a specific organization, are returned as part of the result, once an optional parameter is added to the process request.
  - 10.2.5. Several optional parameters were added to registrations and settlements xml. Details of the optional new parameters are specified in the eLRS Web Services guide posted at: <http://www.pjm.com/markets-and-operations/etools/elrs.aspx>

Please note , none of the XML changes require schema changes at this time. Few future enhancements that PJM is working on, will require schema changes. PJM will make every reasonable effort to give stakeholders' early notifications of any upcoming changes.