DR Hub Update

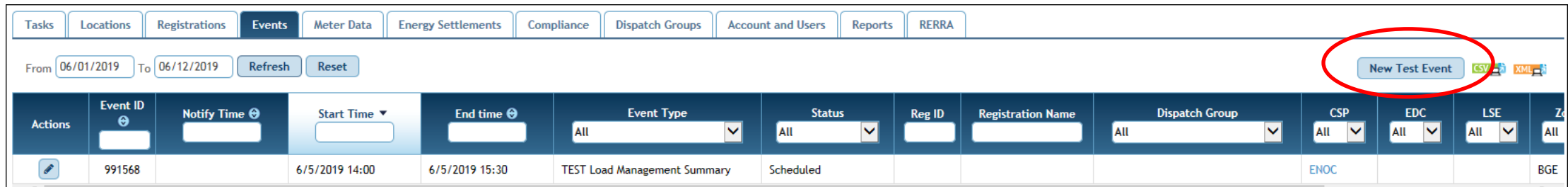Demand Response Subcommittee

February 27, 2019

- Train: Feb. 28
- Prod: March 14
  - Load Management Test and Re-Test events scheduled by CSPs will create test events, with appropriate lead time, to be acknowledged through Web Services
  - Duplicate Registrations – terminated registrations will have new status to make it easier to identify and resubmit
  - Compliance Search screen .csv download

- Event Name Changes – make consistent with Load Management Event names

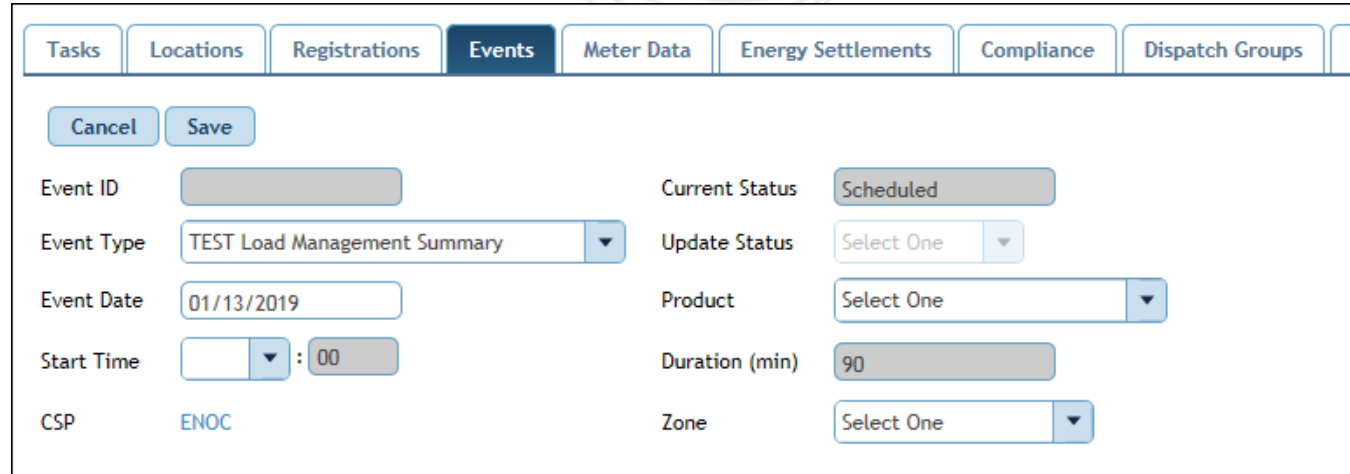| Current Test Event Name	New Test Event Name
Load Management Test	TEST Load Management Lent Summary
Load Management Re-Test	RE-TEST Load Management Summary

* New Event Type * Registration-Level Test Event
TEST Load Management
RE-TEST Load Management

- Create TEST and RE-TEST Load Management Summary events
  - Same as today, different Event Type name, new way to update status
- On Event tab, click New Test Event

- Select Event Type, Event Date, Product, Start Time, Product and Zone

- Note: "Current Status" is always grayed out. "Update Status" will have a dropdown when a status change can be done

- "**Scheduled**' – TEST or RE-TEST event has been created and start time is in the future. Date and Time may be changed up to 48 hours before event start time.

- "**Canceled**" – TEST or RE-TEST event can be canceled by CSP any time before event date, or status is Completed (not when status is Settled or Confirmed)

- "**Active**" – TEST or RE-TEST has reached it's notification time but not the end time

- "**Completed**" – TEST or RE-TEST has ended

- "**Confirmed**" – CSP has confirmed the TEST or RE-TEST during the confirmation period

- "**Settled**" – compliance records have been created

TEST Load Management Summary event scheduled to start on 6/5/2019 at 14:00

Time on 6/5/2019	Action Taken
12:00	• TEST Load Management events are created for Long_120 Lead Time registrations • Start Time = 14:00 • Status = Active • CSP acknowledges TEST Load Management events • TEST Load Management Summary Status = Active
13:00	• TEST Load Management events are created for Short_60 Lead Time registrations • Start Time = 14:00 • Status = Active • CSP acknowledges TEST Load Management events
13:30	• TEST Load Management events are created for Quick_30 Lead Time registrations • Start Time = 14:00 • Status = Active • CSP acknowledges TEST Load Management events
15:00	• All registrations are released • End Time = 15:00 • CSP acknowledges all TEST Load Management events • All TEST Load Management events Status = Completed • TEST Load Management Summary Status = Completed

- ## Registration-level TEST Load Management event in progress

- Registration-level TEST Load Management event ended

No change in how/when Test and Re-Test events are confirmed and compliance records created

- Current Process *during Confirmation Period*:
  - CSP confirms 1 TEST Load Management Summary event per Zone/Product and optionally confirms 1 RE-TEST Load Management Summary event per Zone/Product
  - Compliance records are created overnight for eligible registrations
    - TEST Load Management Summary events - all registrations with Zone/Product with "Test Required" flag checked
    - RE-TEST Load Management Summary events - only registrations selected for the RE-TEST with "Test Required" flag checked
  - CSP uploads meter data

- The unsupported Web Services polling client will be updated to included the new endpoints for TEST and RE-TEST Load Management events

Purpose	New Endpoints
Download TEST and RE-TEST Load Management events that are acknowledgeable	/rest/secure/download/event/testloadmanagementevent/acknowledgeable
Acknowledge both TEST and RE-TEST Load Management events . Will accept the same downloaded acknowledgeable event file to acknowledge or a list of event IDs	/rest/secure/upload/event/testloadmanagementevent/acknowledge/ -file .\upload\testLoadManagementEvent-acknowledgeable_2019-01-04-184559.xml
Download TEST and RE-TEST Load Management events by event ID = 12345.	/rest/secure/download/event/download/event/testloadmanagementevent/12345
Download TEST and RE-TEST Load Management events within specified date range.	/rest/secure/download/event/testloadmanagementevent -q startDate=01-01-2019 -q stopDate=01-04-2019

Purpose	Renamed Endpoint	Former Endpoint
Creates a new TEST and RE-TEST Load Management Summary event	/rest/secure/upload/event/testloadmanagementsummary/**create** -file filename	/rest/secure/upload/event/loadmanagementtestsummary/ -file filename
Updates an existing TEST and RE-TEST Load Management Summary event	/rest/secure/upload/event/testloadmanagementsummary/12345 - file filename	/rest/secure/upload/event/loadmanagementtestsummary/12345 - file filename
Downloads TEST and RE-TEST Load Management Summary events by ID	/rest/secure/download/event/testloadmanagementsummary/1102076	/rest/secure/download/event/loadmanagementtestsummary/1102076
Downloads TEST and RE-TEST Load Management Summary events by Date Range	/rest/secure/download/event/testloadmanagementsummary -q startDate=08-25-2015 -q stopDate=08-27-2015	/rest/secure/download/event/loadmanagementtestsummary -q startDate=08-25-2015 -q stopDate=08-27-2015

```xml
<!-- Existing format for Test LM Event Creation or Update -->
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:loadManagementTestSummary xmlns:ns2="http://drhub.pjm.com/">
    <loadManagementTestEventInfo>
    <!-- Add Event Id to Update and Existing Test Event -->
    <eventId>12345</eventId>
    <eventDate>2019-02-05T05:00:00</eventDate>
    <eventType>LOAD_MANAGEMENT_TEST_EVENT</eventType>
    <startTime>16:00:00</startTime>
    <regProduct>CAPACITY_PERFORMANCE_DR</regProduct>
    <zone>AEP</zone>
    </loadManagementTestEventInfo>
</ns2:loadManagementTestSummary>
```

```xml
<!– Revised format for Test LM Event Creation or Update -->
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:testLoadManagementSummary xmlns:ns2="http://drhub.pjm.com/">
    <testLoadManagementEventInfo>
    <!-- Add Event Id to Update and Existing Test Event -->
    <eventId>12345</eventId>
    <eventDate>2019-01-18T05:00:00</eventDate>
    <eventType>TEST_LOAD_MANAGEMENT_EVENT</eventType>
    <startTime>10:15:00</startTime>
    <regProduct>CAPACITY_PERFORMANCE_DR</regProduct>
    <zone>PSEG</zone>
    <!-- Status is Optional for Creation. Scheduled is Default -->
    <status>SCHEDULED</status>
    </testLoadManagementEventInfo>
</ns2:testLoadManagementSummary>
```

```xml
<!-- Existing format for Re-Test LM Event Creation or Update -->
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:loadManagementTestSummary xmlns:ns2="http://drhub.pjm.com/">
    <loadManagementTestEventInfo>
    <!-- Add Event Id to Update and Existing Test Event -->
    <eventId>12345</eventId>
    <eventDate>2019-02-05T05:00:00</eventDate>
    <eventType>LOAD_MANAGEMENT_RETEST_EVENT</eventType>
    <startTime>16:00:00</startTime>
    <regProduct>CAPACITY_PERFORMANCE_DR</regProduct>
    <zone>AEP</zone>
    <reTestRegistrations>
    <reTestRegistration>123456</reTestRegistration>
    </reTestRegistrations>
    </loadManagementTestEventInfo>
</ns2:loadManagementTestSummary>
```

```xml
<!– Revised format for Re-Test LM Event Creation or Update -->
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:testLoadManagementSummary xmlns:ns2="http://drhub.pjm.com/">
    <testLoadManagementEventInfo>
    <!-- Add Event Id to Update and Existing Test Event -->
    <eventId>12345</eventId>
    <eventDate>2019-01-18T05:00:00</eventDate>
    <eventType>RETEST_LOAD_MANAGEMENT_EVENT</eventType>
    <startTime>10:15:00</startTime>
    <regProduct>CAPACITY_PERFORMANCE_DR</regProduct>
    <zone>PSEG</zone>
    <!-- Status is Optional for Creation. Scheduled is Default -->
    <status>SCHEDULED</status>
    <reTestRegistrations>
    <reTestRegistration>123456</reTestRegistration>
    </reTestRegistrations>
    </testLoadManagementEventInfo>
</ns2:testLoadManagementSummary>
```

```xml
<eventSummary>
    <id>1568759</id>
    <eventSummaryInfo>
        <eventDate>2019-02-19T00:00:00.000-05:00</eventDate>
        <eventType>(TEST) Load Management Summary</eventType>
        <!-- notifyTime Not Included in a TEST / RE-TEST Response -->
        <notifyTime>2019-02-19T15:45:00.000-05:00</notifyTime>
        <startTime>2019-02-19T16:15:00.000-05:00</startTime>
        <endTime>2019-02-19T17:00:00.000-05:00</endTime>
        <status>Completed</status>
        <regProduct>Capacity Performance DR</regProduct>
        <!-- regResource Not Included in a TEST / RE-TEST Response -->
        <regResource>Pre-Emergency</regResource>
        <!-- regLeadTime Not Included in a TEST / RE-TEST Response -->
        <regLeadTime>Quick_30</regLeadTime>
        <zone>AECO</zone>
    </eventSummaryInfo>
    <eventDetail>
        <event>
            <id>1568809</id>
            <eventRegistration>
                <registrationId>3272709</registrationId>
                <CSP>
                    <name>BC</name>
                </CSP>
            </eventRegistration>
            <eventType>(TEST)Load Management</eventType>
            <target>200</target>
        </event>
    </eventDetail>
</eventSummary>
```