



Load Management Test Events - Web Service Notifications

DRS

April 24,2019

- Few actual Load Management events
 - Low frequency/High impact
 - Lack of exercise, personnel turnover, inexperience, etc.
 - Rust sets in
- Allows for more exercise of PJM/CSP event communications
- CSP initiates Test Events through existing DR Hub Test Event functionality

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DR Hub

Event Search

Tasks | Locations | Registrations | **Events** | Meter Data | Energy Settlements | Compliance | Dispatch Groups | Account and Users | Reports | RERRA

From 04/06/2018 To 04/13/2018 Refresh Reset **New Test Event** CSV XML

Actions	Event ID	Notify Time	Start Time	End time	Event Type	Status	Reg ID	Registration Name	Dispatch Group
					All	All			All

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DR Hub

Event Detail

Tasks | Locations | Registrations | **Events** | Meter Data | Energy Settlements | Compliance | Dispatch Groups | Account and Users | Reports | RERRA

Cancel **Save**

Event ID	<input type="text"/>	Current Status	Scheduled
Event Type	TEST Load Management Summary	Update Status	Select One
Event Date	04/20/2019	Product	Capacity Performance DR
Start Time	13:00	Duration (min)	60
CSP	Select One	Zone	AECO

```
<!-- Revised format for 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>991563</eventId>
    <eventDate>2019-04-18T04:00:00</eventDate>
    <eventType>TEST_LOAD_MANAGEMENT_SUMMARY</eventType>
    <startTime>10:00:00</startTime>
    <regProduct>CAPACITY_PERFORMANCE_DR</regProduct>
    <zone>PSEG</zone>
    <!-- Status is Optional for Creation -->
    <status>SCHEDULED</status>
  </testLoadManagementEventInfo>
</ns2:testLoadManagementSummary>
```

```
<!-- Revised format for 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>991563</eventId>
    <eventDate>2019-06-02T00:00:00.000-04:00</eventDate>
    <eventType>RETEST_LOAD_MANAGEMENT_SUMMARY</eventType>
    <startTime>15:00:00</startTime>
    <regProduct>CAPACITY_PERFORMANCE_DR</regProduct>
    <zone>AECO</zone>
    <!-- Status is Optional for Creation. Scheduled is Default -->
    <status>SCHEDULED</status>
    <reTestRegistrations>
      <reTestRegistration>1528839</reTestRegistration>
    </reTestRegistrations>
  </testLoadManagementEventInfo>
</ns2:testLoadManagementSummary>
```

Event Search

- Tasks
- Locations
- Registrations
- Events**
- Meter Data
- Energy Settlements
- Compliance
- Dispatch Groups
- Account and Users
- Reports
- RERRA

From To

Actions	Event ID <input type="text"/>	Notify Time <input type="text"/>	Start Time <input type="text"/>	End time <input type="text"/>	Event Type <input type="text" value="All"/>	Status <input type="text" value="All"/>	Reg ID <input type="text"/>	Registration Name <input type="text"/>	Dispatch Group <input type="text" value="All"/>
	1662809		4/22/2019 10:00		RE-TEST Load Management Summary	Scheduled			
	1662560		4/18/2019 14:00		TEST Load Management Summary	Scheduled			

- 12:00
 - Long_120 lead time registrations receive event notification via web services
 - CSP acknowledges receipt via web services
- 13:00
 - Short_60 lead time registrations receive event notification via web services
 - CSP acknowledges receipt via web services
- 13:30
 - Quick_30 lead time registrations receive event notification via web services
 - CSP acknowledges receipt via web services
- 14:00 Test event starts
- 15:00 Test event ends
 - All lead time registrations receive event end notification via web services
 - CSP acknowledges receipt via web services


```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:events xmlns:ns2="http://drhub.pjm.com/">
  <eventSummary>
    <id>1662560</id>
    <eventSummaryInfo>
      <eventDate>2019-04-18T00:00:00.000-04:00</eventDate>
      <eventType>TEST Load Management Summary</eventType>
      <startTime>2019-04-18T14:00:00.000-04:00</startTime>
      <status>Active</status>
      <regProduct>Capacity Performance DR</regProduct>
      <zone>AEP</zone>
    </eventSummaryInfo>
    <eventDetail>
      <event>
        <id>1663059</id>
        <parentId>1662560</parentId>
        <eventRegistration>
          <registrationId>3272450</registrationId>
          <CSP>
            <name>MYCSP</name>
          </CSP>
        </eventRegistration>
        <eventType>TEST Load Management</eventType>
        <target>20</target>
      </event>
    </eventDetail>
  </eventSummary>
</ns2:events>
```

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<ns2:events xmlns:ns2="http://drhub.pjm.com/">
  <eventSummary>
    <id>1662560</id>
    <eventSummaryInfo>
      <eventDate>2019-04-18T00:00:00.000-04:00</eventDate>
      <eventType>TEST Load Management Summary</eventType>
      <startTime>2019-04-18T14:00:00.000-04:00</startTime>
      <status>Active</status>
      <regProduct>Capacity Performance DR</regProduct>
      <zone>AEP</zone>
    </eventSummaryInfo>
    <eventDetail>
      <event>
        <id>1663059</id>
        <parentId>1662560</parentId>
        <eventRegistration>
          <registrationId>3272450</registrationId>
          <CSP>
            <name>MYCSP</name>
          </CSP>
        </eventRegistration>
        <eventType>TEST Load Management</eventType>
        <acknowledgeDate>2019-04-18T14:11:28.640-04:00</acknowledgeDate>
        <target>20</target>
      </event>
    </eventDetail>
  </eventSummary>
</ns2:events>
```



```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:events xmlns:ns2="http://drhub.pjm.com/">
  <eventSummary>
    <id>1662560</id>
    <eventSummaryInfo>
      <eventDate>2019-04-18T00:00:00.000-04:00</eventDate>
      <eventType>TEST Load Management Summary</eventType>
      <startTime>2019-04-18T14:00:00.000-04:00</startTime>
      <endTime>2019-04-18T15:00:00.000-04:00</endTime>
      <status>Completed</status>
      <regProduct>Capacity Performance DR</regProduct>
      <zone>AEP</zone>
    </eventSummaryInfo>
    <eventDetail>
      <event>
        <id>1663109</id>
        <parentId>1662560</parentId>
        <eventRegistration>
          <registrationId>3272450</registrationId>
          <CSP>
            <name>MYCSP</name>
          </CSP>
        </eventRegistration>
        <eventType>TEST Load Management</eventType>
        <acknowledgeDate>2019-04-18T15:00:34.606-04:00</acknowledgeDate>
        <target>0</target>
      </event>
    </eventDetail>
  </eventSummary>
</ns2:events>
```

- If you have not yet enabled your system to receive and acknowledge TEST Load Management type events, please enabled your system to do so by 6/1/2019.
- Available Event Types
 - LOAD_MANAGEMENT_EVENT=true
 - REAL_TIME_DISPATCH_EVENT=true
 - SYNCHRONIZED_RESERVED_EVENT=true
 - TEST_LOAD_MANAGEMENT=true
 - ZONAL_EMERGENCY_ENERGY_EVENT=true

Questions?