



Load Management Test Events - Web Service Notifications

DRS

April 18,2018

- 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

Schedule Test Event Same as Always (nothing new)

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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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Event Detail

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

Cancel **Save**

Event ID

Event Type **Load Management Test** Status Scheduled

Event Date **06/06/2018** Product **Annual DR**

Start Time **13**:00 Duration 1 Hour

CSP Zone **BGE**



Test Event Day – Timeline (this is new)

- 11:00
 - Long_120 lead time registrations receive event notification via web services
 - CSP acknowledges receipt via web services
- 12:00
 - Short_60 lead time registrations receive event notification via web services
 - CSP acknowledges receipt via web services
- 12:30
 - Quick_30 lead time registrations receive event notification via web services
 - CSP acknowledges receipt via web services
- 13:00 Test event starts
- 14:00 Test event ends
 - All lead time registrations receive event end notification via web services
 - CSP acknowledges receipt via web services

PJM plans to implement this functionality for Test Events only NOT Retest Events

- Discuss at DRS March/April
 - Take in stakeholder feedback
- Software development and testing – June/July
- Deploy in Train - August
- Deploy in Production - September

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:events xmlns:ns2="http://drhub.pjm.com/">
  <eventSummary>
    <id>1632562</id>
    <eventSummaryInfo>
      <eventDate>2018-04-13T00:00:00.000-04:00</eventDate>
      <eventType>TEST_LOAD_MANAGEMENT_SUMMARY</eventType>
      <notifyTime>2018-04-13T11:00:00.000-04:00</notifyTime>
      <startTime>2018-04-13T13:00:00.000-04:00</startTime>
      <status>Active</status>
      <regProduct>Extended Summer DR</regProduct>
      <regResource>Emergency</regResource>
      <regLeadTime>Long_120</regLeadTime>
      <zone>AEP</zone>
    </eventSummaryInfo>
    <eventDetail>
      <event>
        <id>1632964</id>
        <parentId>1632562</parentId>
        <eventRegistration>
          <registrationId>1624329</registrationId>
          <CSP>
            <name>MYCSP</name>
          </CSP>
        </eventRegistration>
        <eventType>TEST_LOAD_MANAGEMENT</eventType>
        <target>6.0</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>1632562</id>
    <eventSummaryInfo>
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      <startTime>2018-04-13T13:00:00.000-04:00</startTime>
      <status>Active</status>
      <regProduct>Extended Summer DR</regProduct>
      <regResource>Emergency</regResource>
      <regLeadTime>Long_120</regLeadTime>
      <zone>AEP</zone>
    </eventSummaryInfo>
    <eventDetail>
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        <parentId>1632562</parentId>
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          <registrationId>1624329</registrationId>
          <CSP>
            <name>MYCSP</name>
          </CSP>
        </eventRegistration>
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    </eventDetail>
  </eventSummary>
</ns2:events>
```

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:events xmlns:ns2="http://drhub.pjm.com/">
  <eventSummary>
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    <eventSummaryInfo>
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      <endTime>2018-04-13T14:00:00.000-04:00</endTime>
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      <regResource>Emergency</regResource>
      <regLeadTime>Long_120</regLeadTime>
      <zone>AEP</zone>
    </eventSummaryInfo>
    <eventDetail>
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        <parentId>1632562</parentId>
        <eventRegistration>
          <registrationId>1624329</registrationId>
          <CSP>
            <name>MYCSP</name>
          </CSP>
        </eventRegistration>
        <eventType>TEST_LOAD_MANAGEMENT</eventType>
        <acknowledgeDate>2018-04-13T14:02:00.000-04:00</acknowledgeDate>
        <target>0</target>
      </event>
    </eventDetail>
  </eventSummary>
</ns2:events>
  
```


Questions?