



# DR Hub Web Services Update

Glenn Long  
Demand Response Operations  
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- Compliance Records
  - Users may now use web services to download compliance data.
  - Searches may be filtered by Registration Id, Start/Stop Date or Status.
  - Non-parameterized searches will return 100 days of compliance history.
  - URL Sample:
    - Download a 100 Day History of Compliance Records
    - `%CLIENT% -s %APP_URL% -a /rest/secure/download/compliance`

- Compliance Records
- Validate Compliance Records.
- Once all information is updated to satisfy compliance the record(s) may be marked as Confirmed.
- Compliance Records are validated by Compliance Id
- URL Sample:
- REM Validate (Confirm) a Compliance Record(s)
- URL Sample
- `/rest/secure/download/compliance/validate -q ids=17345,142346`

- Registration Documentation
  - Upload Supporting Documentation for Registrations.
  - Web Service functionality mimics the UI.
  - Document Types : SYNCH\_RESERVE, REGULATION\_PLAN, ONE\_LINE\_DIAGRAM, or DA\_SCHEDULING\_RESERVE
  - Supported File Types : CSV, XLS, XLSX, PPT, DOC, DOCX, PDF, and ZIP.
  - Description : Describes the Content of the uploaded file.
  - URL Sample
  - `/rest/secure/upload/registration/1234/document –parameters`
  - See the PJM CLI User Guide for details.

- Location Documentation
- Upload Supporting Documentation for Locations using the Utility Residential Participation – Load Data Sample option.
- Web Service functionality mimics the UI.
- 10 MB Size Limit
- Supported File Types : CSV, XLS, XLSX, PPT, DOC, DOCX, PDF, and ZIP.
- Description : Describes the Content of the uploaded file.
- URL Sample
- `/rest/secure/upload/location/1234/document` – parameters
- See the PJM CLI User Guide for details.

- Adding WSA Set Points and Factors to Registrations
  - The DR Hub XSD now supports the addition of WSA parameters to Registrations using CBL Method : 3 Day Types with WSA
  - Added to Registration XML
  - Up to 5 points may be added

```
<cblMethodInfo>  
    <methodName>3 Day Types with WSA</methodName>  
</cblMethodInfo>  
<regCblParameters>  
    <weatherStationName>DCA</weatherStationName>  
    <regCblParameter> <setpoint>55</setpoint>  
    <factor>1.02</factor>  
    </regCblParameter>  
</regCblParameters>
```

- Taking Advantage of DR Hubs New Features
  - Updated XSD is Required.
  - Customized solutions may require updating.
  - Updated PJM CLI is Required.
  - No changes to Existing Polling Client (free version)
  - Downloads for each are posted on the DR Hub Home page.
  - Contact [DRHubSupport@pjm.com](mailto:DRHubSupport@pjm.com) with Questions about versioning.

# Questions?