



Joint Operating Committee

Update on DSO 216 Re-Design for 15 Minute Scheduling

September 2014



September 2014 JOC Update

DSO 216 Re-Design for 15 Minute Scheduling

- Update to the Re-Design Release Date
- Update to the In-Effect Period Timing

DSO 216 Re-Design for 15 Min Schedules

- Update to the Re-Design Release Date
 - In the July JOC, BPA planned to release changes to DSO 216 in conjunction with the “go live” of 15 minute scheduling on Oct 1, 2014.
 - Due to workload constraints at BPA, the targeted release date of the DSO 216 re-design has been postponed.
 - The new release will target sometime in the first quarter of calendar year 2015.
 - When the targeted release date is set, another JOC announcement will be made by
 - windoperations@bpa.gov
 - techforum@bpa.gov

DSO 216 Re-Design for 15 Min Schedules

Update to the In-Effect Periods

- The length of time in which the system remains in DSO event level.
- If a prior level is in effect, the next level can be reached during this time
- Currently:
 - Both Curtailments and Limitations are in effect for the remainder of the hour
 - During Limitations, the Wind State Flag resets to Normal at the top of the hour
 - During Curtailments, the Wind State Flag resets to Normal at 10 minutes prior to the top of the hour.

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Update to the In-Effect Periods, continued

- In July, BPA proposed to change the In-Effect Periods to
 - xx:00 – xx:49:59 to the top of current hour (1 hour max)
 - xx:50 – xx:59:59 to the top of the next hour (1hr. 10 min. max)
- A tagging systems issue was identified requiring BPA to revise the proposed In-Effect Periods to the following
 - Changes are noted in red

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Update to the In-Effect Periods, continued

- Proposed In-Effect Periods when Events are implemented at:
 - **xx:00 – xx:44:59**
 - Limitations remain in-effect until to the end of current hour
 - Curtailments apply to eTags currently in-effect and until to the top of current hour
 - Reliability Limit placed on the current hour's eTags, not allowing adjustments above the Reliability Limit
 - Next higher Level can be reached anytime until the top of the current hour.
 - Maximum event duration is 1 hour.

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Update to the In-Effect Periods, continued

- Proposed In-Effect Periods when Events are implemented at:
 - **xx:45 – xx:59:59**
 - Limitations remain in-effect until to the top of next hour
 - Curtailments apply to eTags in-effect **for the current hour and** for the next hour
 - Reliability Limit placed on the next hour's eTags, not allowing adjustments above the Reliability Limit
 - Next higher Level can be reached anytime until the top of the next hour
 - Maximum event duration is **1 hour and 15 minutes**

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Summary of all DSO 216 Re-Design Changes

- Level 2 Trigger Threshold = 97.5%
- Alarm Trigger Threshold = 30 Sec
- Dispatcher Review Time = 0 Minutes w/auto suspend
- Minimum Time Between Event Levels = 5 Minutes
- In-Effect Periods are implemented at:
 - xx:00 – xx:44:59 to the top of current hour (1 hour max)
 - xx:45 – xx:59:59 to the top of the next hour (1hr. 15 min. max)
and Curtailments apply to both the current and next hour's schedules
- Blackout Periods = None

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Comments and/or Questions can be sent to
windoperations@bpa.gov