



Daylight Saving Time (DST) Short Day Information

The ISO transition from PST (Pacific Standard Time) to PDT (Pacific Daylight Time) on **Sunday, March 10** will impact both UIs (user interfaces) and APIs (Automated Programming Interfaces) in its systems.

In preparation, information is provided for the following systems to help ensure a smooth transition.

- Scheduling Infrastructure Business Rules (SIBR) / Base Schedule Aggregation Portal (BSAP)
- Automated Dispatching System (ADS)
- CAISO Market Results Interface (CMRI)
- Open Access Same-time Information System (OASIS)
- Settlements
- Metering Implications



SIBR/BSAP

- SIBR/BSAP has both a UI and API that will reflect changes during the DST Transition from PST to PDT.

SIBR UI:

- For Trade Date March 10, DAM and RTM trades and bids, there is a display issue: HE2 is displaying as HE3. This doesn't impact the API.

BSAP UI:

- For Trade Date March 10, DAM and RTM trades and bids, and Base Schedules, will display no HE3.

SIBR UI Copy function:

- It should be noted that Bids and Trades Copy forward or Copy from do not function similarly on the UI.
- For Bids/Schedules the copy to and copy from the Short Day functionality on the UI will result in an Invalid bid because the time interval for a regular day has 24 hours, this cannot be carried into the Short Day because the period for the day is not complete in either case.
- Do NOT use the copy function for moving bids into the Short Day or from the Short Day.
- Trades process differently on the UI and although there is a Day-Ahead Trade it is unique to each hour of the day just like a Real Time Trade or Bid. This allows a copy into the Short Day as well as a copy from the Short Day.
- **NOTE on Copy to Short Day:** A Trade from a regular day copied into the Short Day will not have HE24, it will contain 23 hours of Trade information but the HE3 from the previous day will show as the HE4 data and carry forward until HE24 which would show the HE23 data from the copied Trade.
- **NOTE on Copy from Short Day:** A Trade from the Short Day copied into a regular day will not have HE3 of the Short Day, it will contain 23 hours of Trade information but will show HE1, HE2 and then HE4 data and carry forward until HE24.

SIBR API:

- For all SIBR API submissions, the UTC (Universal Time Code) is the time format. It can be with just the UTC or there can be an offset identified.
- Examples:

Bid **Start** time

```
<startTime>2019-03-10T00:00:00.0-08:00</startTime> -- with an offset
```

```
<stopTime>2019-03-11T00:00:00.0-07:00</stopTime>
```

```
<marketType>DAM</marketType>
```

Bid **Start** time

```
<startTime>2019-03-10T08:00:00.000-00:00</startTime> -- UTC
```

```
<stopTime>2019-03-11T07:00:00.000-00:00</stopTime>
```

```
<marketType>DAM</marketType>
```

Bid **IntervalStart/Stop** -- with the offset

```
<BidSelfSched>
```

```
<timeIntervalStart>2019-03-10T00:00:00.0-08:00</timeIntervalStart>
```

```
<timeIntervalEnd>2019-03-10T01:00:00.0-08:00</timeIntervalEnd> -- HE01
```

```
<selfSchedMw>15.70</selfSchedMw>
```

```
</BidSelfSched>
```

```
<BidSelfSched>
```

```
<timeIntervalStart>2019-03-10T01:00:00.0-08:00</timeIntervalStart>
```

```
<timeIntervalEnd>2019-03-10T02:00:00.0-0800</timeIntervalEnd> -- HE02
```

```
<selfSchedMw>15.90</selfSchedMw>
```

```
</BidSelfSched>
```

```
<BidSelfSched>
```

```
<timeIntervalStart>2019-03-10T03:00:00.0-07:00</timeIntervalStart>
```

```
<timeIntervalEnd>2019-03-10T04:00:00.0-07:00</timeIntervalEnd> -- HE4* (NO HE3)
```

```
<selfSchedMw>15.90</selfSchedMw>
```

```
</BidSelfSched>
```



SIBR Reports (Self-Schedule Contracts Report):

- No known issues.



Automated Dispatching System (ADS)

ADS Query Tool:

- After the transition to DST on March 10, the ADS Query Tool will display days prior to March 10 in a DST time convention. Until the variance is resolved, the query tool is not able to display different time offsets depending on the date queried. This only impacts the times that are displayed on the query tool. Files that are saved from the query tool and data from the API are not impacted by this variance since all times are GMT.

ADS UI:

- After the DST transition, the ADS trajectory plot displays the previous hour, HE2, rather than HE1. The trajectory displays the data in the correct chronological order, but the label in the graph does not skip HE2.

ADS API

- The ADS API uses a GMT format, which will not be impacted by the DST transition.

CAISO Market Results Interface (CMRI)

CMRI UI:

- For all CMRI reports, there will be no HE3.

CMRI API:

- For DAM reports, requests are submitted by tradeDateStart and tradeDateEnd, so no special treatment for DST is required.



Open Access Same-time Information System (OASIS)

OASIS UI:

- For all OASIS reports, there will be no HE3.

OASIS API:

- For all OASIS API query requests will not return HE3.

ISO Settlements Implications

- SCs can expect to not see HE3 in their Settlement Statement (similar to previous years).

ISO Metering Implications

- The ISO receives all Settlement Quality Meter Data (SQMD) in PST, year round. Therefore, there is no transition back to PST. However, please confirm and assure that all SQMD meter data continues to be submitted to the ISO in PST.

END