



# EMS Upgrade Program Update

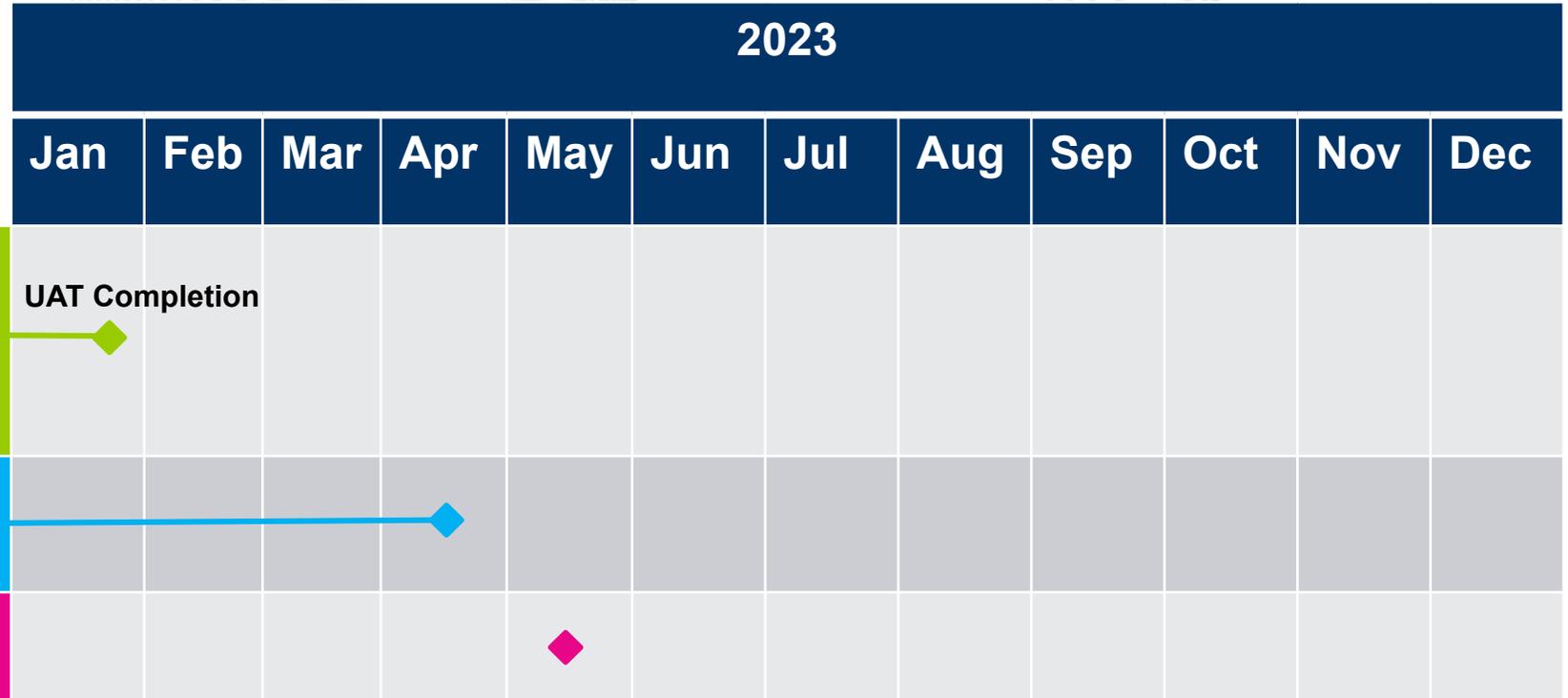
As of January 17, 2023



- N/A

Product - Action Required	Deadline	Who May Be Affected
SCADA/AGC Cut-over from Siemens Spectrum to OSI Monarch system. No actions necessary.	<b>May 2023</b>	Members with ICCP or DNP links with PJM





UAT Completion

Availability Testing

Member Link Testing and Final Cut-over

Monarch Go-live

**Legend**

- ◆ Start Date
- ◆ End Date



- SCADA uses IEC 60870-5-104 and DNP protocols to send and receive telemetered data such as breaker statuses and generator output. This data feeds downstream transmission network applications
- AGC calculates a control signal to maintain system frequency, controls generator output, and provides a backup option to markets-based dispatch

## EMS Upgrade

- To prepare for the May go-live PJM will complete Member Link testing.
- The Monarch EMS will be certified by Reliability First.

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## EMS Upgrade



### Member Hotline

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# Product Details

The EMS allows PJM and its members to send and receive telemetered ICCP and DNP data

## **Key Product Features**

- Data Processing
- Alarm Processing
- Generation Control
- Frequency Control
- Economic Dispatch