

EMS Upgrade Program Update

As of March 13, 2023







pjm °	Impact Details – EMS Upgrade Program					
Product - Action Required	Deadline	Who May Be Affected				
SCADA/AGC Cut-over from Siemens Spectrum to OSI Monarch system. No actions necessary.	May 2023	Members with ICCP or DNP links with PJM				





Details/Summary of Information

- SCADA uses ICCP 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 market-based dispatch

pjm °	2023 EMS Upgrade Program Roadmap											
2023												
	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Member Link Testing and Final Cut-over				•								
Monarch Go-live					•							



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EMS Upgrade

To prepare for the May go-live PJM will complete Member Link testing and resolve all critical defects. The Monarch EMS will complete the CIP process and will be certified by Reliability First.

Incoming (to PJM) link testing complete

Outgoing (from PJM) link testing underway

Outgoing link testing is carefully coordinated between PJM Telemetry Support, downstream member, and PJM Performance Compliance





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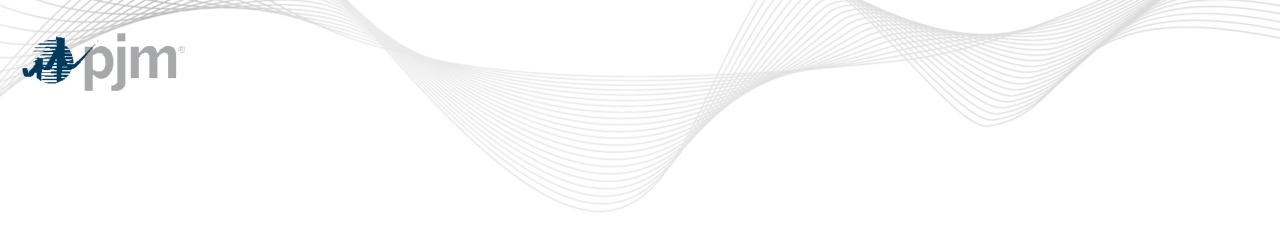
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Product Details





The EMS allows PJM and it's members to send and receive telemetered ICCP and DNP data

Key Product Features

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