



# Emergency Procedures Application New Message Types

Dave Hislop, Mgr  
Outage Analysis Technologies

Created: 12/20/2016

- **Conservative Operations** is an existing Emergency Procedure event, noted within M-13. Was not in [EP application](#).
  - **Added on 12/20/2016 as a potential Message Type.**
  - **Definition:** Conservative Operations can be declared when the PJM RTO (or a portion of the RTO) is undergoing, or has the potential to face, adverse impacts from a weather/environmental event and requires enhanced RTO reliability efforts. Conservative Operations may be declared if PJM enters into an unknown operating state, such as an outage to its Energy Management System (EMS). The declaration of Conservative Operations may include additional actions, including reductions in PJM exposure to transfers, increased real or reactive power reserve requirements, and/or additional requests placed upon PJM member TOs and GOs.

(Simulated Message from Training Environment.)

History	Cancel / TLR Level	Msg ID	Priority	Message Type	Effective Start Time	Regions	Emergency Message	Effective End Time	Actions
		101184	Alert	Conservative Operations	11.09.2016 09:06	PJM-RTO	A Conservative Operations event has been issued from 09:41 on 11.09.2016 through 09:41 on 11.09.2016 due to Solar activity.	11.09.2016 09:41	

- **Synchronized Reserve Event** is an existing Emergency Procedure event, noted within M-13. Defined in M-12, Section 4.1.2.
  - **Intentionally removed from [EP application](#) in 2012 at member request.**
    - Due to their short nature, events were often posted subsequent to the cancellation of the event via PJM All-Call.
  - **Scheduled reintroduction on 12/22/2016 as a potential Message Type.**
    - Member driven request to reintroduce these postings.
    - Events will be dynamically created from an EMS bridge coincident with activation.
  - **Definition:** Notification around issuances of Synchronized Reserve events. Synchronized Reserves are the reserve capability of generating resources which can be converted fully into energy or Demand Resources whose demand can be reduced within ten minutes from the time of the request. See M-12, Section 4.1.2, for further detail on this procedure.

(Simulated Messages from Training Environment.)

History	Msg ID	Priority	Message Type	Effective Start Time	Regions	Emergency Message	Effective End Time
▶	100994	Action	Synchronized Reserve Event	12.20.2016 09:49	DOM MIDATL	100% Synchronized Reserve Event has been initiated for the MAD region.	
▶	100993	Action	Synchronized Reserve Event	12.20.2016 09:46	PJM-RTO	100% Synchronized Reserve Event has been initiated for the PJM_RTO region.	12.20.2016 09:49

➤ **Users can receive Notifications via EP:** [PDF](#) | [Video](#) (Setup Training)

➤ **PJM Administrative Setup:**

- **Conservative Operations**

- Anyone with “Cold Weather Alert” or “Hot Weather Alert” notifications was administratively set to receive new message type.

- All others can follow instructions above.

- **Synchronized Reserve Event**

- Anyone with “Primary Reserve Alert” or “Primary Reserve Warning” notifications was administratively set to receive new message type.

- All others can follow instructions above.

NOTE: The two (2) new event types are NOT Capacity Performance / Performance Acceptance Hour triggers

[EPAdmin@pjm.com](mailto:EPAdmin@pjm.com)

