

# NERC

NORTH AMERICAN ELECTRIC  
RELIABILITY CORPORATION

## Other Event Type Reporting

Data Reporting Instructions – Section III

Module 07 - GADS Data Reporting Workshops

**RELIABILITY | ACCOUNTABILITY**



- Reserve Shutdown

- Unit not synchronized but ready for startup and load as required
- Use cause code “0000” for these events

- Non-curtailing

- Equipment or major component removed from service for maintenance/testing and does not result in a unit outage or derating
  - Relative Accuracy Test Audits (RATA) testing
    - Compares data from a facility's Continuous Emissions Monitor System (CEMS) to a simultaneously collected reference method data to assess the accuracy of the CEMS readings
  - Generator Doble testing
    - A non-invasive on-line surveillance technique that detects and identifies defects in a motor or generator and associated electrical systems while the power system remains in service

- Problem: Collecting GADS data can be quite repetitive. Depending on the size and age of a plant, the number of events will vary from a few to hundreds a month.
- Question: Which event type is most frequently reported?
  - A. Planned Outages (PO, PE)
  - B. Forced Outages (U1, U2, U3, SF)
  - C. Maintenance Outages (MO, ME)
  - D. Derates (D1, D2, D3, D4, DM, PD, DP)
  - E. Reserve Shutdowns (RS)
- Answer: E. Reserve Shutdowns (RS)
- Explanation: Except for baseload units all other unit types frequently go on reserve shutdown which account for ~70% of events reported to GADS

- Problem: The feeder to a pulverizer clogs up on a unit at one of your coal plants. The unit has eight (8) pulverizers and can make full load with only six (6). Operations takes the pulverizer offline to unclog the feeder.
- Question: What type of event is this?
  - A. U1
  - B. MO
  - C. NC
  - D. D1
  - E. D4
- Answer: C. NC
- Explanation: There was no effect on the net available capacity of the unit from taking the pulverizer offline so it is an NC event



# Questions and Answers