

The logo for NERC (North American Electric Reliability Corporation) features the letters "NERC" in a bold, black, sans-serif font. A horizontal blue bar is positioned directly beneath the letters.

NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

GADS Task Force

Performance Subgroup Recommendation

A faint, light blue map of North America is visible in the background of the lower half of the page. The map shows the outlines of the United States, Canada, and Mexico.

to ensure
the reliability of the
bulk power system

September 2010

116-390 Village Blvd., Princeton, NJ 08540
609.452.8060 | 609.452.9550 fax
www.nerc.com

Scope

Introduction

The performance subgroup had to deal with two primary questions:

1. Should GADS performance reporting be mandatory?
2. If so, what fields should be mandatory?

Discussion

Looking at the questions in order:

1. Should GADS performance reporting be mandatory?

This question generated lots of good discussion. The group voted that yes, GADS performance reporting should be mandatory. There was dissenting opinion (8 YES; 3 NO).

Arguments for mandatory reporting:

- Knowing the availability characteristics of the generating units in the system will be of assistance to BAs and RCs for their resource adequacy calculations.
- Knowing Forced Outage Rates of units will be of assistance to BAs and RCs by helping them study and plan for contingencies (Operational Reliability).
- Knowing starting reliability will be of assistance to BAs and RCs in determining how many fast-start peakers they need to call on in a spinning situation.

Arguments against mandatory reporting:

- What will be the enforcement mechanisms?
- What will be the auditing mechanism?
- Other various “Unintended Consequences” of the word mandatory.
- See the Section 1600 overview for potential enforcement.

2. Should reporting become mandatory, which fields should be mandatory?

This discussion was less contentious. The subgroup looked at the list of performance fields and discussed whether the item should be mandatory or voluntary. Primarily, the fields that should be mandatory (in the event performance reporting was made mandatory) were the following types:

- Unit Identifier
- Month/Year of the report

Scope

- Unit Capacity
- Net Generation
- Starting reliability (starts and attempted starts)
- The “hours” that allow calculation of EAF, EFOR, etc...
- The general type of fuel

See Attachment 1 for a summary. We did not see any additional fields that should be added.

Responsibilities and Goals

Attachment 1

General List of Elements in GADS Performance Reports

PERFORMANCE RECORD FIELDS	Old /Task Force Decision
Utility and unit identifier (like GADS utility-unit code)	Required / Required
Year of event	Required / Required
Month of performance reporting	Required / Required
Monthly Unit Capacity (GMC, GDC, NMC, NDC - one or more)	Required / Required
Gross Generation in MW	Required / Optional
Net Generation in MW	Required / Required
Loading Characteristic (base loaded, cycling, etc)	Required / Optional
number of attempted unit starts	Required / Required
number of actual unit starts	Required / Required
Service Hours (SH)	Required / Required
Reserve Shutdown Hours (RSH)	Required / Required
Pumping hours	Required / Required
Synchronous Condensing Hours	Required / Required
Total Available Hours (SH+RSH+Pump+Synchronous)	Required / Required
Planned Outage Hours (POH)	Required / Required
Forced Outage Hours (FOH)	Required / Required
Maintenance Outage Hours (MOH)	Required / Required
Extension Hours to planned and maintenance outages	Required / Required
Total Unavailable Hours (POH+FOH+MOH+MEH + PEH)	Required / Required
Period Hours (Available hours + unavailable hours)	Required / Required
Primary type of fuel (coal, gas, etc)	Required / Required
Primary fuel quality, heat content, % ash, etc	Optional / Optional