

Generating Availability Data Systems Task Force Performance Team Scope

Purpose

The Generating Availability Data System (GADS) Task Force (TF) Performance Sub-group will look at traditional GADS performance reporting and recommend an answer to the following questions.

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

Activities

To accomplish its purpose, the subgroup will perform the following activities:

1. Review GADS performance fields and determine which fields currently collected by GADS are important to the task of supporting and improving Bulk Power System (BPS) reliability.
2. Consider other fields that are not reported now that may support and improve BPS reliability.
3. Recommend if those fields identified above as fields that support BPS reliability should be made mandatory reporting fields of Generation Owners on the NERC Compliance Registry.

Responsibilities and Goals

The Responsibilities and Goals as outlined in Attachment #1 of GADS Task Force (GADSTF) Performance Sub-group Task List of Responsibilities and Goals shall be considered during discussion. (Document follows this page)

Meetings

Conference calls and Web meetings will be used to address focused topics. All conference calls and web meetings will be completed by Friday September 17, 2010.

Results

A report of the performance sub-group will be sent to the GADSTF by Wednesday September 22. The Performance Sub-Group will report findings to the entire GADS task force at a meeting on September 30 / October 1.

List of Responsibilities and Goals

The NERC Planning Committee appreciates your help with the GADSTF work. As part of that responsibility, it is very important to keep in mind the three value points from the kick-off conference call on August 11, 2010:

1. The task force should focus on and capture the types of data that support improvements in grid reliability.
2. The task force should strive to identify the optimum mechanics or methods that manage data such that mandatory reporting burdens are minimized.
3. The value of our efforts and the results of this task force should be clearly visible to those of us who provide the data, as well as those regulatory entities who manage and administer the reports.

Within each sub-group are members with generation, transmission, planning, and other experiences that can greatly enhance the discussions and recommendations to the GADSTF. All members should feel free to express themselves and contribute. Some members may feel that the sub-group recommendations do not apply to their expertise but we must remember we are looking “at the reliability of the whole grid”. So in some cases, we need to think “outside the box” for the reliability of the grid now and in the future.

Below (Attachment 1) is a list of the elements currently being collected in the GADS performance records. The attachment also shows whether the element is required as part of the editing program or not. This is very important as to show its importance in the past and whether it should remain important in the future. In the discussion, you should ask questions such as:

- Is tracking of unit attempted and actual start important?
- GADS tracks the types of fuels burned. Are the other qualities of the fuels (percent ash, percent sulfur, etc also important to track or leave as voluntary reporting?
- If the source of fuel important to track?

Each element is described in Section IV of the GADS Data Reporting Instructions (DRI) located at <http://www.nerc.com/page.php?cid=4|43|45>. It is important that each member review this section of the DRI and prepare comments before the conference calls. That will help move the work forward.

All general discussion and recommendations should be documented in the minutes of the conference call by the secretary. Leaders should review the minutes before they are distributed to the GADTF.

Attachment 1

General List of Elements in GADS Performance Reports

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