

One of the most important pieces of information that is needed by others working groups from the NSGTF is data elements. Using the wholesale business process as an example, enrollment of a demand resource (DR) is performed by an actor, (such as the local utility company, the demand response provider, etc.). We can refer to this enrollment package as a data category, file, or data packet (or many other names). The real essential piece of information is what data items should be related to a data category.

The wholesale group has been working through this activity and I wanted to share some ideas with the retail group. As a starting point, the following data categories should be analyzed:

- Facility Enrollment
- Resource Enrollment
- Device Enrollment (Retail Only)
- Commitment/Bid/Offer Parameters
- Ancillary Service & Capacity Awards
- Energy Schedules
- Economic Deployment Instructions
- Emergency Deployment Instructions
- Regulation Instructions
- Real-Time Response
- Price Publication
- Performance/Meter Data

For each of these data categories it is necessary to define what data elements would make up such a category and what the requirements of the field would be. Some examples of data items might include:

- Periodicity: how often is the data category transmitted (hourly, daily, weekly, monthly, as needed)
- DRP: the name or identifier of the DRP submitting the asset or resource
- Location: physical address, city, state, zip code
- GPS: GPS coordinates for facility
- Id Number: unique identifier provided by the system that the asset is registered in
- Program: active DR, passive DR

I have provided an Excel workbook with the data categories across the top and some sample data elements down the left hand column. For example purposes, I have filled in a few of the data categories the data items that would be required. You will certainly think of other data items that need to be in the list. Some data items could be in every data category (DRP for example), while other data items may only be used in one or two data categories.

If we think of each data category like a message package, then data items define the information that must be in that packet.

I hope this material is helpful.