## Service Requirements

* The service must conform to OGC Specifications. Standards can be found at:

<http://www.opengeospatial.org/standards>

* **Basic Naming Conventions must be followed.**
  + The data frame must include the state’s abbreviated name concatenated with the Service type (plural), for example:
    - AZBoreholeTemperatures
    - CAActiveFaults
    - MAaqSpringChemistry
  + Data Frame and Layer Names must be without special characters or spaces. The layer name should describe the resource. The following is a list of layer names approved for use in the NGDS/USGIN schema:
    - ActiveFault
    - [aqSpring/aqWellChemistry]
      * WaterQuality
      * CommonAnalytes
      * BaseMetals
      * MajorDissolvedConstituents
      * MinorDissolvedConstituents
      * Nitrogen
      * WaterDissolvedGas
      * FreeGas
      * WaterIsotopes
      * GasIsotopes
      * IsotopesDissolved
    - BoreholeTemperature
    - DrillStemTest
    - ThermalConductivity
    - ThermalSpring
    - VolcanicVent
    - Wellheader
* **The data frame must include the proper symbology should be used for the service.** Specifications can be found at:

<http://repository.usgin.org/uri_gin/usgin/dlio/206>

* **Service Description**
  + A description of the service and layer must be provided in some fashion. The Service description can be added or edited through the ‘Add GIS Service’ wizard during service deployment. The Service Description appears on the rest page.
* **Layer Description**
  + The Layer description found on a service rest page is for providing the user with a short summary of the information contained within a layer. The text for the layer description comes directly from the information added to the root layer in the mxd that contains the source data for the service.
* **Document Properties**
  + The document properties at the bottom of the rest page contain the following fields:
    - Title
    - Author
    - Comments
    - Category
    - Keywords
    - Credits

At a minimum, title, author, keywords and credits should be populated. This information is drawn from the Document Properties of the mxd that contains the source data for the service.

* **WMS Capabilities configuration**
  + Should include an online resource
  + Should include a brief abstract
* **WFS Capabilities configuration**
  + Prefix should be : “aasg”
  + Namespace should be in the following format:

<http://stategeothermaldata.org/uri-gin/aasg/xmlschema/wellheader/1.5>

<http://stategeothermaldata.org/uri-gin/aasg/xmlschema/thermalspring/1.6>

<http://stategeothermaldata.org/uri-gin/aasg/xmlschema/activefault/1.1>

<http://stategeothermaldata.org/uri-gin/aasg/xmlschema/aqueouschemistry/1.9>

* **The original resource provider must be credited** for the source in the following places:
  + Map Document Properties
  + Data Frame Properties
  + Layer Properties
  + WFS Capabilities Document
  + WMS Capabilities Document