VT Open Geodata Portal: ArcGIS Online Configuration Standards

Updates

Date	Notes
6/20/2016	Draft 1.0
8/01/2016	Draft 2.0 – presented to EGC for consideration
8/17/2016	Draft 2.0 – presented to VT GIS Community for 30-day public comment period
10/12/2016	Approved by VT Enterprise GIS Consortium (EGC) representatives via a voice vote at 10/12/2016 meeting.

Statutory Authority and Standard Review/Approval

The Vermont Center for Geographic Information (VCGI) has the statutory authority[1] to craft and adopt VT GIS standards and guidelines. Over the past 20 years, VCGI has worked with the VT GIS community to carefully craft these standards and guidelines, helping to ensure that Vermont GIS (VGIS) data "is compatible with, useful to" others in the VT GIS community.

In 2015, VCGI was reformed as a Division under the Agency of Commerce and Community Development (ACCD) as defined in H.885 Sec. E. 800.1 10 V.S.A. § 122. VCGI's duties did not change, and therefore VCGI still has the authority to adopt VT GIS standards and guidelines.

The State's Enterprise GIS Consortium (EGC) has been established as the organization responsible for reviewing and approving Vermont GIS standards crafted by VCGI (in collaboration with the Vermont GIS Community).

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[1] http://legislature.vermont.gov/statutes/fullchapter/10/008

I. Purpose

This document defines standards for registering your data, web services, apps, products, and tools within AGO so that they can be discovered via the Vermont Open Geodata Portal (Portal). The purpose of these standards is to support consistent implementation and maintenance of a federated Portal that will connect publishers and consumers in a user-driven portal that facilitates finding, exploring, and consuming geospatial information.

II. Applicability

The standards in this document apply to any organization who would like to share their geospatial data, web service, web apps, and tools via Vermont's Open Geodata Portal.

III. Sharing Agreement

All Publishers (eg: State agencies, external organizations, etc.) wishing to make their data available via Portal must agree[2] to make a best faith effort to comply with the VT Open Geodata Portal policies and standards crafted by the VT Center for Geographic Information and approved by Vermont's Enterprise GIS Consortium (EGC).

IV. Terminology

- AGO: ArcGIS Online for Organizations
- AGO OD: ArcGIS Open Data platform
- AGS: ArcGIS Server
- VCGI: VT Center for Geographic Information
- EGC: VT Enterprise GIS Consortium
- OGC: Open Geospatial Consortium
- Portal: VT Open Geodata Portal

V. Publisher Configuration Standards

To share geospatial data and apps via Vermont's Open Geodata Portal (Portal), publishers must first register their information on Esri's ArcGIS Online platform. Individual GIS datasets, web services, apps, products, and tools can be registered with ArcGIS Online (AGO) by adding them as "items". These are then "shared" adding them to an ArcGIS Online Group that has "open data" enabled, which allows them to be shared with the Portal.

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[2] The Publisher will need to sign an MOA with VCGI, the Portal's Administrator, indicating their willingness to align with policies and standards.

a. System Requirements: The Portal leverages Esri's ArcGIS Online (AGO) platform. As a result, agencies and organization wishing to share their data via the Portal will need to have an Esri ArcGIS Online for Organizations[3] account. *NOTE: VCGI will host data for agencies or organizations who don't have access to the AGO platform.*

b. Tagging Standards: All items registered in AGO must be tagged in accordance with the *VT's Open Geodata Portal: Tagging Standard.* All AGO items must be tagged with "required" tags as defined in the standard.

c. Metadata Standards: All "datasets"[4] registered in AGO must include metadata in compliance with *VT's GIS Metadata Standards.*

d. AGO Standards: The section below outlines standards for registering datasets, web services, web apps, and tools/products as AGO "items" so they are sharable via the Portal. Not all items that can be registered in AGO are accessible via the ArcGIS Open Data platform, which is the platform used by Portal.

The following **standards** apply to items that Publishers want to register with AGO for the purpose of discovery and download via the Portal.

Standards

o **TITLE:** Short title for layer, web service, web app, etc. *Example: VT[5] Town Boundaries*

o **DESCRIPTION:** A sufficiently detailed description (2-4 sentences or more) explaining what the data contains, the source of the data, and any considerations when using the data.

o **TAGS:** All required tags defined in section C. TAGGING STANDARDS above. Example: isothemeBoundary, subthemeTown, nodeVCGI, etc.

o **THUMBNAILS:** Thumbnails must be created from a standardized set of "thumbnail templates" available from VCGI.

o **METADATA – required for "datasets" only:** Import ArcGIS xml metadata into AGO. Metadata must comply with specification defined in section D. METADATA STANDARDS above. *NOTE: Publishers may want to avoid having their AGO item descriptions and tags overwritten by what is in their metadata by selecting the "Populate metadata with items details" checkbox.*

NOTE: Refer to the *VT Open Geodata Portal: Publisher's Guide* for detailed step-by-step procedures.

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[3] https://doc.arcgis.com/en/arcgis-online/reference/what-is-agol.htm
[4] Vector or Raster datasets only.
[5] It is recommended that "VT" be included in the name to make it clear that the data is for VT. It's the data is limited to county, town, or other area then that should be included in the Title.