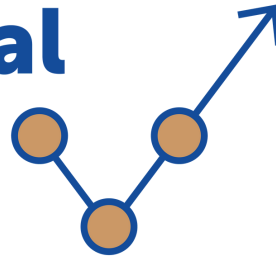




# Geospatial Maturity ASSESSMENT



## Contact Information (Section 1 of 12)

### Name

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### Agency/Organization Name

Office of the CIO

### State

Washington

### Email Address

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## Coordination (Section 2 of 12)

### A. GIS Program Support

1. Does your state have a GIO? (pick one)

Yes - official statewide GIS coordinator (not officially called GIO, but authorized to perform statewide coordination work on a full-time basis)

2. To whom does the GIO directly report? (pick one)

State CIO or other manager in the CIO's office

3. What abilities does the GIO have? (choose all that apply)

- Influence on state and federal policy issues affecting the GIS community
- Input to budget and financial matters affecting the state GIS office
- Input over technology used at the state enterprise level
- Control over state-wide GIS data standards
- Coordinate activities across levels of government and within state government

## B. Support for Coordination

1. What authorization exists for the GIO/coordination position? (pick one)

None

2. How is the GIO office funded? (choose all that apply)

- General funds
- Other (specify)

Please specify:

Allocation

3. Is the GIO office able to accept "soft" money such as grants, fees for service, etc.? (pick one)

Yes

4. Does the GIO have a full-time professional staff that works on the ongoing programs of the office? (pick one)

Yes

## C. Implementation

1. Does your state have a clearinghouse? (pick one)

Yes

2. Does your state have a strategic plan for GIS? (pick one)

Yes, less than 5 years old

3. Does your state have an active GIS coordinating council that meets at least 4 times a year? (pick one)

Yes, an unofficial but active council (could include state user group)

4. Does the council have representation from all relevant stakeholders? (pick one)

Yes

#### D. URL and Website Information

1. Enter the complete URL for your State GIS Data Clearinghouse website. (Include http:// or https://)

<https://geo.wa.gov>

2. Enter the complete URL for your State's GIO office website. (Include http:// or https://)

<https://ocio.wa.gov/programs/geospatial-program-office>

3. Enter the complete URL for your state's GIS Council website. (Include http:// or https://)

<https://geo.wa.gov/pages/wagic>

4. Any new legislation? If so, please provide a very brief description and a full URL for any newly enacted GIS-related statutes in your state. These can include the establishment of the coordination office, sustained funding sources, public record laws, or other relevant laws.

There was a new budget proviso passed this year to develop a common geospatial data sharing platform at the state level. No links available.

#### Next Generation 9-1-1 (NG9-1-1) (Section 3 of 12)

1. Is there an effort in your state to coordinate the development, normalization, aggregation, and/or distribution of GIS data in support of NG9-1-1? (pick one)

Yes

2. Is there a state GIS coordinating body assigned with the responsibility for GIS data readiness for NG9-1-1? (pick one)

Yes

3. Is there a relationship between the state GIS office or coordinating body and state 9-1-1 coordinating body?  
(pick one)

Informal – some contact with state 9-1-1 coordinating body, but GIS coordinating body isn't an active participant

4. Is the development, normalization, aggregation, and/or distribution of GIS datasets required for NG9-1-1 funded? (pick one)

Yes

5. Are there processes in place to normalize and aggregate authoritative GIS datasets required for NG9-1-1 to statewide datasets? (pick one)

Yes

5a. Is the designated aggregator public or private? (pick one)

Private

5b. Do data sharing agreements exist with authoritative data providers to support statewide data aggregation?  
(pick one)

Yes

Road Centerlines

NENA

Site/Structure Address Points

NENA

PSAP Boundaries

NENA

Service Boundaries (law/fire/EMS)

NENA

Provisioning Boundaries

NENA

7. Do you have a consistent update cycle for ensuring that the statewide GIS datasets required for NG9-1-1 are as current as possible? (choose all that apply)

- Road Centerlines
- Site/Structure Address Points
- PSAP Boundaries
- Service Boundaries (law/fire/EMS)
- Provisioning Boundaries

8. Please identify the data comparisons or assessments that you apply to your data: (choose all that apply)

- Comparison between GIS data and MSAG/ALI data
- Boundaries checked for unintended gaps and overlaps
- Minimum required attributes are present and compliant with NENA standard
- Address Points to Road Centerlines

Road Centerlines (enter %)

90-100%

Site/Structure Address Points (enter %)

90-100%

PSAP Boundaries (enter %)

90-100%

Service Boundaries - Law Enforcement (enter %)

90-100%

Service Boundaries - Fire (enter %)

90-100%

Service Boundaries - EMS (enter %)

90-100%

10. Which of the following statewide GIS datasets are publicly available? (choose all that apply)

- PSAP Boundaries

11. Are 9-1-1 calls in your state being spatially routed to the PSAP over an ESInet using Next Generation Core Services (NGCS) and the Emergency Call Routing Function (ECRF)? (pick one)

Yes, but not statewide (regionally, or only some PSAPs)

12. Is there any inter-state NG9-1-1 GIS coordination (ex: boundaries alignment)? (pick one)

No

#### Elections (Section 4 of 12)

1. Does your office have a formal relationship (statute, administrative rule, formal agreement for services, or a standing coordination meeting) with your State's Election Director? (pick one)

Yes

2. Does your state manage or have easy access to an accurate, current statewide voting precinct boundary layer? (pick one) (Please note, that accuracy in this question means two things. First, accuracy indicates that the layer contains all of the most recent precinct boundary polygons. Second, accuracy also means that all the layers of information needed to do any election data management are in the right projection and at the appropriate scale.)

Yes

If so, which statement best describes the precinct boundaries layer? (pick one)

The precinct boundaries are updated, and archived, as changes are made and are used to spatially re-assign voters to the updated precincts

3. Does your state use and maintain a state or commercial geocoding web service to locate voter addresses and voters? (pick one)

Yes

If so, which statement best describes how the geocoding web services are used? (pick one)

Geographic coordinates for addresses are periodically updated to reflect the location found using the most current geocoding reference data (roads and address GIS layers)

4. Does your state have an audit process for precinct assignments within its election database? (pick one)

Yes

If so, is your staff, data, and, and other geospatial resources involved? (pick one)

No

Address data creation and maintenance (pick one)

No

District data creation and maintenance (pick one)

No

Precinct data creation and maintenance (pick one)

No

Civic boundary data creation and maintenance (pick one)

No

6. Will the new precinct boundaries be added to your state's clearinghouse after the 2021 redistricting process?  
(pick one)

Yes

If so, please estimate the date of this upload?

Mar 1, 2022

#### Address Points (Section 5 of 12)

1. Does your state have a program for developing or maintaining an authoritative statewide address database?  
(pick one)

Yes

2. What percent of local address-authorities contribute to your state's address point database? (pick one)

80-89%

3. How frequently is this data updated? (pick one)

Monthly

4. What is the quality of the state-level data? (pick one)

Published to the NENA GIS Data Model (Site/Structure Address Points) or a state-level standard that can be rolled up to that standard and is verified via QA

5. How widely available is your address point database? (choose all that apply)

- Available for government use only

6. Is your address point data used to support the following? (choose all that apply)

- Used to support 9-1-1 activities
- Used as reference data for a geocoder web service

7. Identify the characteristics of your address point database. (choose all that apply)

- Steward: There is a designated aggregator or steward for this data layer
- Funding: This program has regular state-level funding
- Business plan: A business plan exists for this theme
- Local government: There is a formal connection or agreement with local government to roll up and make data available to the state

## Cadastre/Parcels (Section 6 of 12)

### A. Parcel Data

1. What percentage of your counties have georeferenced digital parcel maps? (pick one)

90-100%

2. Does your state have a program of collecting current digital parcel data from local jurisdictions? (pick one)

Yes

### B. Centralized state collection of digital parcel data

1. What percentage of your counties participate? (pick one)

90-100%



2. What standard is maintained for the central database? (pick one)

Published, best effort at standardization

3. How accessible is data from this central database? (choose all that apply)

- Open, free, viewable, downloadable, with API

4. What are the characteristics of your state parcel program? (choose all that apply)

- Steward: There is a designated state steward
- Attributes: The state data includes parcel ID, address, owner name, and other attributes normally associated with parcels and assessment values

#### Transportation (Section 7 of 12)

1. How complete is your state's road centerline database? (pick one)

86-99%

2. How frequently is this data updated? (pick one)

Weekly, nightly, or near real-time

3. What is the quality of the state-level data? (pick one)

Published to an approved state or national standard but not edgematched

4. How accessible is your road centerline database? (pick one)

Formal Request - distributed media or downloadable

5. Identify the characteristics of your road centerline database. (choose all that apply)

- Steward: There is a designated aggregator or steward for this data layer
- Funding: This program does have regular state-level funding
- Business plan: A business plan does exist for this theme
- Local government: A formal connection or agreement exists with local government to roll up and make data available to the state
- Attributes: The state data does contain attributes associated with road centerlines (e.g. lanes, speeds, address ranges)
- Real-time conditions: Near real-time road conditions are available

## Hydrography (Section 8 of 12)

1. Is NHD meeting your state's requirements for hydrography? If yes, the grade cannot be lower than C. If no, the grade can rise or decline. (pick one)

Yes

2. Choose the answer that best describes the status of your state's program/initiative to improve your hydro dataset. (pick one)

Active

3. Are you actively working on an improved NHD hydro dataset? And if so, how much has your state completed? (pick one)

Less than 50%

4. If you are actively working on an improved hydro dataset, how frequently is it being maintained? (pick one)

Annually

5. When you are actively working on an improved hydro dataset, do you coordinate with USGS so your updates will integrate with the NHD? (pick one)

Yes

6. How accessible is your state's hydrography database? (pick one)

Open, free, viewable, downloadable, with API

7. Does your state have a Data Steward for hydrography and are they actively engaged with USGS and with stakeholders in your state to make updates to the current NHD? (pick one)

Yes

8. Identify the best practices characteristics of your hydrography database. (choose all that apply)

- Funding: This program does have regular state-level funding
- Attributes: The state data does contain attributes associated with hydrography (e.g. lake names, stream and river names, coding for all feature types)

## Orthoimagery (Section 9 of 12)

## A. Leaf-On

1. How much of your state is covered by leaf-on orthoimagery? (pick one)

90-100%

2. Please indicate its update frequency. (pick one)

Annually

3. Please indicate if you opt for any additional options. (choose all that apply)

- Other (specify)

Please specify:

We get 6 inch urban areas on the odd years and 1 ft statewide on the even years. Counties can buy-up to 6 inch for their entire county.

4. Please indicate its accessibility. (pick one)

Licensed product not available to outside entities

5. Identify the characteristics of your leaf-on orthoimagery database. (choose all that apply)

- Steward. There is a designated aggregator or steward for this data layer
- Funding. This program has regular state-level funding for buy-ups
- Local government. There are some formal connections with the local government on buy-ups

## B. Leaf-Off

1. How much of your state is covered by leaf-off orthoimagery? (pick one)

No coverage

## Governmental Units (Section 10 of 12)

1. Does your state have >75% unincorporated areas (as measured by the number of county subdivisions, not by land mass)? (pick one)

Yes

2. Of your incorporated areas, what percentage have reliable boundaries? (pick one)

76-99%

3. Does your state have an authoritative source for boundary data? (pick one)

No

4. What is the update frequency of the data? (pick one)

Updated as changes occur

5. How are the data published? (pick one)

Data published in a different standard

6. Are the data publicly available? (pick one)

Downloadable, with API

7. Identify the characteristics of your governmental boundaries activities. (choose all that apply)

- Steward. There is a designated aggregator or steward for this data layer
- Funding. This program has regular state-level funding
- Local government: There is a formal connection to local government

#### Geodetic Control (Section 11 of 12)

1. Does your state have any program activities focused on geodetic control? (pick one)

Yes

2. Is your state included in the Public Land Survey System (PLSS)? (pick one)

Yes

3. What specific program activities exist? (choose all that apply)

- Support a statewide RTN network (possibly through private partners)
- Program for performing GPS on Benchmarks

4. What are the details of your state efforts? (choose all that apply)

- None apply

5. How is your state preparing for NGS's 2022 vertical datum and terrestrial reference frames update? (NSRS Modernization)

- Legislation passed (future proof)
- Administrative regulations have been updated

#### Elevation (Section 12 of 12)

1. Indicate the level of completion of the elevation data layer as a percentage. (pick one)

60-69%

2. What is the frequency of the updates? (pick one)

8-12 years

3. What standards are used for publishing state-collected data? (pick one)

Published to a standard (verified via QA)

4. What is the quality level of the elevation database? (pick one)

Quality Level 2 (QL2) or better as defined by USGS

5. Do you have any data within your state that is a better Quality Level than is stated in the previous question? (pick one)

Yes

6. How accessible is your elevation database? (pick one)

Open, free, downloadable

7. What are the details of your state efforts? (choose all that apply)

- Steward: There is a designated state steward
- Funding: There is regular funding for the state program
- Business plan: The state has a business plan for elevation data

8. How does your state use elevation data? (choose all that apply)

- Engineering (Transportation/Construction Planning)
- Archeology
- Environmental
- 3D Visualizations and project design
- Drainage and Stormwater modeling
- Flood impact studies
- Watershed and Wetland delineation
- Basemap enrichment – building footprints, etc.
- Hazard Prediction - landslide evaluation
- Elevation referencing – Orthophotography/3D data enrichment
- Habitat and vegetation studies
- Other (specify)

Please describe (in numbers and scope) how the GIS community and others in your state have leveraged lidar/elevation data in support of a variety of disciplines (e.g. transportation planning, flood risk mitigation, environmental management, etc.).

engineering projects, flood risk analysis, environmental and habitat analysis and coastal studies, forestry, archaeology, landslide evaluation, tsunami inundation, forest health studies, urban mapping, watershed delineation, culvert design