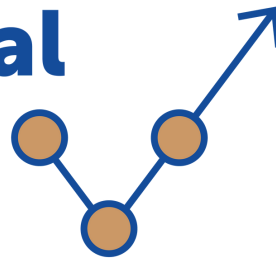




# Geospatial Maturity ASSESSMENT



## Contact Information (Section 1 of 12)

### Name

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### Agency/Organization Name

Wisconsin Dept of Administration

### State

Wisconsin

### 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 state-level GIO

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

Other (specify)

Please specify:

Land Information Program manager

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

- Coordinate activities across levels of government and within state government
- Other (specify)

Please specify:

grant management

#### 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)

- Other (specify)

Please specify:

county recording fees

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)

No

#### C. Implementation

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

Yes

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

No

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

Yes, an official GIS Council defined/recognized by statute, executive order, or administrative rule

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://geodata.wisc.edu/>

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

<https://doa.wi.gov/Pages/LocalGovtsGrants/WLIP.aspx>

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

<https://doa.wi.gov/Pages/LocalGovtsGrants/WLIC.aspx>

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.

none

#### 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)

No

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)

Some funding is available but not enough to cover all needs

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

No

Road Centerlines

Local

Site/Structure Address Points

Local

PSAP Boundaries

None

Service Boundaries (law/fire/EMS)

None

Provisioning Boundaries

None

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
- Minimum required attributes are present and compliant with NENA standard

Road Centerlines (enter %)

80-89%

Site/Structure Address Points (enter %)

90-100%

PSAP Boundaries (enter %)

80-89%

Service Boundaries - Law Enforcement (enter %)

80-89%

Service Boundaries - Fire (enter %)

80-89%

Service Boundaries - EMS (enter %)

80-89%

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)

No

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

Yes (Specify)

Please describe:

some communication with other states

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)

No

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)

Yes

Precinct data creation and maintenance (pick one)

Yes

Civic boundary data creation and maintenance (pick one)

Yes

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)

No

#### 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 and adheres to a standard verified via QA/QC

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
- Funding: There is regular funding for the state program
- Business plan: The state has a business plan for parcel maps
- Formal relationship: There are formal relationships between the state and local government
- 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)

100%

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

Annually

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

Edgematched and published to an approved state or national standard (verified/validated)

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
- 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)

#### 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)

No

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

In the planning phases

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

Have not actively begun

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

Not being maintained regularly at this point

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)

- 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)

Every 2-3 years

4. Please indicate its accessibility. (pick one)

Findable and downloadable

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

- None apply

## B. Leaf-Off

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

90-100%

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

Every 4-5 years

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

- 6-inch product or better

4. Please indicate its accessibility. (pick one)

Findable and downloadable

5. Does your program collect more than the three R-G-B bands of data? (pick one)

Yes (Specify)

Please specify:

plus NIR

6. Identify the characteristics of your orthoimagery database. (choose all that apply)

- Local government. There are some formal connections with the local government on buy-ups
- Accessibility: The data are freely available to the public as a service

#### 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)

No

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

100%

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

Yes, in statute

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

Infrequent because of annual reporting expectation for the Census

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
- Business plan. A business plan exists for this theme
- Local government: There is a formal connection to local government
- Attributes: State data contains attributes associated with this theme (e.g. change type, date of the change, authority, change documentation)
- Topology: The state has a program to check the topological soundness of the data

#### 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)

- Nominate new control points to NSRS
- Support a statewide CORS network (possibly through private partners)
- Support a statewide RTN network (possibly through private partners)
- Program for performing GPS on Benchmarks
- Works with counties to tie their survey corners to NSRS

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

- Funding: There is a regular funding for the state program
- Business Process: The state has a geodetic control data business process
- Relationship: There is an established working relationship between the state and tribal – local governments
- Relationship: There is an established working relationship between the state and the professional surveying community

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

- It's on our "To Do" list

#### Elevation (Section 12 of 12)

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

80-89%

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

Not defined

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, viewable, downloadable, with API

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

- Formal relationship: There are formal relationships between the state and local government

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
- Karst topography studies
- Other (specify)

Please specify:

working on carbon sequestration