

GEOSPATIAL MATURITY ASSESSMENT 2023

Alabama Report Card

Overall Grade: B+

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

C+

Cadastre

N/A

Elevation

A-

Orthoimagery Leaf-Off

A

Transportation

C

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

B+

Government Units

A

Orthoimagery Leaf-On

B

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.



GEOSPATIAL MATURITY ASSESSMENT 2023

Alaska Report Card

Overall Grade: D

COORDINATION

GRADE: C

STATE-LED THEMES

GRADE

Address

F

Cadastre

D

Elevation

F

Orthoimagery Leaf-Off

N/A

Transportation

C

NG9-1-1

N/A

FEDERAL-LED THEMES

GRADE

Geodetic Control

B-

Government Units

F

Orthoimagery Leaf-On

D+

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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ALASKA GMA RESPONSE

Alaska's orthomosaic is a satellite based product with no leaf-on or -off requirements. Desired refresh is twenty-percent of the mosaic each year, however this is dependent on funding and collection feasibility given other national priorities during a given year. Because it is a satellite based product there are license restrictions on the data.

The USGS has begun hydrography updates under the 3D Hydrography Program (3DHP) for Alaska. Questions with answered for progress made under the 3DHP mapping initiative in Alaska.

Under the USGS 3DEP program, Alaska has 100% coverage of statewide IFSAR. For the 2023 GMA, State of Alaska has answered the Elevation section under the pretense of statewide LiDAR.

Leslie Jones

GIO

GEOSPATIAL MATURITY ASSESSMENT 2023

Arizona Report Card

Overall Grade: B+

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

A-

Cadastre

B-

Elevation

B+

Orthoimagery Leaf-Off

D+

Transportation

B

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

C+

Government Units

A

Orthoimagery Leaf-On

A

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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ARIZONA GMA RESPONSE

Arizona appreciates the opportunity to participate in the NSGIC Geospatial Maturity Assessment (GMA). The value of this bi-annual assessment is great. It provides a broad perspective of geospatial maturity across the nation. The GMA shows where Arizona is in comparison with other states which states may provide opportunities for Arizona to seek improvement. The annual report card approach also allows Arizona's stakeholders to quickly understand the status of our state's complex geospatial development and collaboration over time.

The GMA also provides insight into at least one theme in which Arizona appears to be unique. The National Agriculture Imagery Program (NAIP) provides Arizona with statewide imagery on average, every two years. In many states, this imagery is considered Leaf-on, and as stated in the GMA documentation, is primarily used for forestry and agriculture purposes. Leaf-off orthoimagery in those same states is typically utilized for tax assessment and emergency response. In Arizona, due to its climate and landscape, NAIP imagery generally meets the state level needs of most stakeholders. Regionally, there are cooperative programs which provide orthoimagery for the years the NAIP is not flown, or in local areas where higher resolution imagery is required. From a statewide perspective, historically, there has been little interest to invest in additional orthoimagery programs. Therefore, scarce resources are allocated to other higher geospatial priorities. We believe the low-grade Arizona receives for the Orthoimagery Leaf-off theme is due to Arizona's unique set of circumstances.

Over the past year, the Arizona Geographic Information Council's Imagery Program Workgroup has begun exploring this topic. Through stakeholder engagement, this group has found that interest in a statewide program has changed and acquiring statewide high-resolution imagery in addition to NAIP and/or augmenting NAIP has become a higher priority. That said, there remains little distinction for stakeholders between Leaf-off and Leaf-on orthoimagery.

ARIZONA GMA RESPONSE

In 2021, Arizona received an A in the Transportation Theme. In 2023, the criteria and grading scheme were changed slightly to include 100% of road centerline data mapped within a state to receive an A grade. For Arizona, it is unlikely that we will ever be able to achieve complete coverage of all existing roads within the state largely due to tribal jurisdictions within our state boundaries. Currently, 99% of all existing road centerlines have been mapped. Nonetheless, the Arizona Department of Transportation (ADOT) continues to collaborate with tribal, local and federal partners with a goal to complete the roadway centerline data for our state. Engaging with these entities and federal partners, such as the Bureau of Indian Affairs (BIA), is a top priority. It is our opinion that this unique challenge should not count against the state's overall GMA grade.

While we may disagree with our statewide orthoimagery and transportation theme grades, we believe the grades Arizona received for the other themes reflect an accurate representation of both the successes and challenges Arizona faces in our overall geospatial maturity.

Jenna Leveille
Deputy State
Cartographer

GEOSPATIAL MATURITY ASSESSMENT 2023

Arkansas Report Card

Overall Grade: A-

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

A

Cadastre

A

Elevation

B+

Orthoimagery Leaf-Off

A-

Transportation

A

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

B

Government Units

A

Orthoimagery Leaf-On

C+

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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GEOSPATIAL MATURITY ASSESSMENT 2023

California Report Card

Overall Grade: C+

COORDINATION

GRADE: B

STATE-LED THEMES

GRADE

Address

F

Cadastre

N/A

Elevation

B

Orthoimagery Leaf-Off

N/A

Transportation

N/A

NG9-1-1

D

FEDERAL-LED THEMES

GRADE

Geodetic Control

A-

Government Units

A

Orthoimagery Leaf-On

B-

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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GEOSPATIAL MATURITY ASSESSMENT 2023

Colorado Report Card

Overall Grade: B-

COORDINATION

GRADE: B

STATE-LED THEMES

GRADE

Address

B+

Cadastre

A

Elevation

A-

Orthoimagery Leaf-Off

F

Transportation

B

NG9-1-1

F

FEDERAL-LED THEMES

GRADE

Geodetic Control

B-

Government Units

A

Orthoimagery Leaf-On

B

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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COLORADO GMA RESPONSE

The State of Colorado is thrilled to be reclaiming its position on the map, and this year's GMA results are a testament to our progress. The B- grade signifies significant strides in a forward direction. It also underscores our need to increase dedication to key areas, like statewide orthoimagery (both leaf-off and leaf-on) and NG 9-1-1.

Overall, the grades mirror our internal evaluations and, in some cases, even exceed our expectations. For instance, we recognize opportunities in coordination, address, and cadaster themes, which we are actively working to enhance.

Jackie Phipps-Montes

GIS Manager

GEOSPATIAL MATURITY ASSESSMENT 2023

Connecticut Report Card

Overall Grade: B+

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

C+

Cadastre

A

Elevation

A-

Orthoimagery Leaf-Off

A

Transportation

A

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

C-

Government Units

A

Orthoimagery Leaf-On

C+

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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GEOSPATIAL MATURITY ASSESSMENT 2023

Delaware Report Card

Overall Grade: B-

COORDINATION

GRADE: C

STATE-LED THEMES

GRADE

Address

A-

Cadastre

A

Elevation

B+

Orthoimagery Leaf-Off

B+

Transportation

C

NG9-1-1

F

FEDERAL-LED THEMES

GRADE

Geodetic Control

F

Government Units

A

Orthoimagery Leaf-On

B-

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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GEOSPATIAL MATURITY ASSESSMENT 2023

District of Columbia Report Card

Overall Grade: A

COORDINATION	GRADE: A
STATE-LED THEMES	GRADE
Address	A
Cadastre	A
Elevation	A
Orthoimagery Leaf-Off	A
Transportation	A
NG9-1-1	A
FEDERAL-LED THEMES	GRADE
Geodetic Control	A-
Government Units	A
Orthoimagery Leaf-On	A

METRICS:

A - Superior

B - Above average

C - Average

D - Below average

F - Failure

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.



WASHINGTON D.C. GMA RESPONSE

The DC Office of the Chief Technology Officer would like to thank NSGIC for the recognition of our geospatial data infrastructure with an overall grade of A, ranking among several top tier States, validating the hard work and expectations of the DC Office of the Chief Technology Officer, our dedicate GIS team, and agency partners. We look forward to continuing to build on the foundational data and geospatial initiative outlined in the Geospatial Maturity Assessment report card (GMA) in the years to come.

Matt Crossett

GIS Project Manager

GEOSPATIAL MATURITY ASSESSMENT 2023

Florida Report Card

Overall Grade: B-

COORDINATION

GRADE: B

STATE-LED THEMES

GRADE

Address

F

Cadastre

A

Elevation

A-

Orthoimagery Leaf-Off

B-

Transportation

N/A

NG9-1-1

C

FEDERAL-LED THEMES

GRADE

Geodetic Control

B+

Government Units

A

Orthoimagery Leaf-On

C

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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GEOSPATIAL MATURITY ASSESSMENT 2023

Georgia Report Card

Overall Grade: C-

COORDINATION

GRADE: B

STATE-LED THEMES

GRADE

Address

D+

Cadastre

C

Elevation

C

Orthoimagery Leaf-Off

F

Transportation

C

NG9-1-1

C

FEDERAL-LED THEMES

GRADE

Geodetic Control

C

Government Units

C

Orthoimagery Leaf-On

D+

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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GEOSPATIAL MATURITY ASSESSMENT 2023

Hawaii Report Card

Overall Grade: B

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

F

Cadastre

A

Elevation

B

Orthoimagery Leaf-Off

N/A

Transportation

N/A

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

B-

Government Units

A-

Orthoimagery Leaf-On

C+

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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GEOSPATIAL MATURITY ASSESSMENT 2023

Idaho Report Card

Overall Grade: B

COORDINATION

GRADE: B

STATE-LED THEMES

GRADE

Address

A-

Cadastre

C+

Elevation

A-

Orthoimagery Leaf-Off

N/A

Transportation

C

NG9-1-1

B

FEDERAL-LED THEMES

GRADE

Geodetic Control

B

Government Units

B-

Orthoimagery Leaf-On

B

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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GEOSPATIAL MATURITY ASSESSMENT 2023

Illinois Report Card

Overall Grade: B+

COORDINATION

GRADE: B

STATE-LED THEMES

GRADE

Address

A-

Cadastre

D

Elevation

A

Orthoimagery Leaf-Off

A-

Transportation

C

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

A-

Government Units

A-

Orthoimagery Leaf-On

B

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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GEOSPATIAL MATURITY ASSESSMENT 2023

Indiana Report Card

Overall Grade: A-

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

A

Cadastre

A

Elevation

A

Orthoimagery Leaf-Off

A

Transportation

A

NG9-1-1

B

FEDERAL-LED THEMES

GRADE

Geodetic Control

A

Government Units

A

Orthoimagery Leaf-On

B

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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GEOSPATIAL MATURITY ASSESSMENT 2023

Iowa Report Card

Overall Grade: B

COORDINATION

GRADE: B

STATE-LED THEMES

GRADE

Address

D+

Cadastre

B

Elevation

A-

Orthoimagery Leaf-Off

N/A

Transportation

C

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

B-

Government Units

A

Orthoimagery Leaf-On

A-

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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GEOSPATIAL MATURITY ASSESSMENT 2023

Kansas Report Card

Overall Grade: A-

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

A

Cadastre

B-

Elevation

A-

Orthoimagery Leaf-Off

A

Transportation

A

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

B+

Government Units

A

Orthoimagery Leaf-On

B

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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GEOSPATIAL MATURITY ASSESSMENT 2023

Kentucky Report Card

Overall Grade: B+

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

B-

Cadastre

C+

Elevation

A-

Orthoimagery Leaf-Off

A

Transportation

B

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

A-

Government Units

A

Orthoimagery Leaf-On

B

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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KENTUCKY GMA RESPONSE

Generally, the Commonwealth is pleased with our overall GMA grade for 2023. Since 2021, Kentucky has made significant strides in some of the state-led theme categories, however those efforts are not evident in the overall grade. This is likely due to changes in scoring and the decision to not include a federal-led theme in the results.

Kentucky's grade on the Coordination theme reflects the status of our governance and coordination efforts. Grades on the Commonwealth's state-led themes also align very well with the current state of those programs. Our imagery, elevation, and NG9-1-1 programs are doing wonderfully, but more focus on Transportation, Addresses, and especially the Cadastre theme will be important over the next two years.

Our average, and lower above average scores for specific themes highlight the fact that there is progress to be made. These results help us to re-evaluate the allocation of resources. We've known for many years that there was work to be done as it relates to cadastre (parcel data), hydrography, and addresses. The 2023 scores reflect that progress was made, but there is still more to be accomplished.

The NSGIC community understands there is great value in seeing how our states measure up against others. Sharing these national-level results with our executive branch leadership, and the Geographic Information Advisory Council, helps to underscore our level of success, but also reaffirms the fact that we must dedicate more resources to specific themes. Having these grades in-hand are crucial when approaching state-level stakeholders regarding next steps and during our annual strategic planning process.

As the GIO, knowing which states excel in a certain category, lets me know who to contact for guidance and direction. It is my aim to learn from other's and their successful programs. There is great value in being able to reach out to a counterpart for guidance. In fact, that is one of the most valuable aspects of being a NSGIC member.

As always, Kentucky appreciates the effort involved in compiling the assessment tool, conducting the assessment, and sharing the results with the NSGIC community. Many thanks!

Kent Anness

GIO



GEOSPATIAL MATURITY ASSESSMENT 2023

Louisiana Report Card

Overall Grade: B

COORDINATION

GRADE: C

STATE-LED THEMES

GRADE

Address

D

Cadastre

B-

Elevation

A

Orthoimagery Leaf-Off

A

Transportation

A

NG9-1-1

C

FEDERAL-LED THEMES

GRADE

Geodetic Control

B+

Government Units

A

Orthoimagery Leaf-On

B

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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GEOSPATIAL MATURITY ASSESSMENT 2023

Maine Report Card

Overall Grade: A-

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

A

Cadastre

N/A

Elevation

A

Orthoimagery Leaf-Off

B

Transportation

A

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

A-

Government Units

A

Orthoimagery Leaf-On

C+

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.



GEOSPATIAL MATURITY ASSESSMENT 2023

Maryland Report Card

Overall Grade: A-

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

A

Cadastre

A

Elevation

B+

Orthoimagery Leaf-Off

A

Transportation

B

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

C-

Government Units

A

Orthoimagery Leaf-On

B+

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.



GEOSPATIAL MATURITY ASSESSMENT 2023

Massachusetts Report Card

Overall Grade: A-

COORDINATION

GRADE: B

STATE-LED THEMES

GRADE

Address

A

Cadastre

A

Elevation

A-

Orthoimagery Leaf-Off

A

Transportation

B

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

B

Government Units

A

Orthoimagery Leaf-On

C+

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.



GEOSPATIAL MATURITY ASSESSMENT 2023

Michigan Report Card

Overall Grade: B+

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

A-

Cadastre

B-

Elevation

A-

Orthoimagery Leaf-Off

B+

Transportation

B

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

B+

Government Units

A

Orthoimagery Leaf-On

B

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.



MICHIGAN GMA RESPONSE

The 2023 Geospatial Maturity Assessment (GMA) reflects Michigan's continued focus on key National Spatial Data Infrastructure geospatial themes. The GMA, conducted every two years, provides valuable insight as to where Michigan is with the standards being considered for each of the GMA data themes, and in comparison to other states. Overall, the 2023 GMA provides a fair representation for the geospatial maturity of these GIS data themes, programs and overall coordination. In a review of the 2023 results, the following are a summary of the observations.

The Michigan Statewide Authoritative Imagery and LiDAR (MiSAIL) program for orthoimagery continues to provide the foundation for statewide aerial imagery for GIS stakeholders across the State. Currently, funding allows for leaf-off imagery to be flown for a quarter of the geographic areas of the state each year. If additional funding were available for this program to fly areas of the state more frequently, this category would meet the A grade standard. The scores for address and cadastre have seen progress over the past couple of GMAs with the increased sharing of these datasets between local and state governments. In the future, with increased willingness to make these GIS data layers publicly available open data, these scores would move up additional grade steps. The transportation score was one point below the A level grade. It dipped slightly due to a few changes to the questions and this should uptick back to an A in 2025. The new NG911 category score reflects Michigan's strong coordination between the GIS and 911 stakeholders across the state to continue to improve GIS data for 911 systems.

Mark Holmes
Geospatial Services
Manager

GEOSPATIAL MATURITY ASSESSMENT 2023

Minnesota Report Card

Overall Grade: B+

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

B-

Cadastre

A

Elevation

A-

Orthoimagery Leaf-Off

B-

Transportation

B

NG9-1-1

B

FEDERAL-LED THEMES

GRADE

Geodetic Control

A-

Government Units

A

Orthoimagery Leaf-On

B+

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.

GEOSPATIAL MATURITY ASSESSMENT 2023

Mississippi Report Card

Overall Grade: B-

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

F

Cadastre

B

Elevation

B

Orthoimagery Leaf-Off

B-

Transportation

C

NG9-1-1

N/A

FEDERAL-LED THEMES

GRADE

Geodetic Control

B-

Government Units

A

Orthoimagery Leaf-On

B+

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.



GEOSPATIAL MATURITY ASSESSMENT 2023

Missouri Report Card

Overall Grade: B-

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

D

Cadastre

C+

Elevation

B+

Orthoimagery Leaf-Off

B+

Transportation

C

NG9-1-1

B

FEDERAL-LED THEMES

GRADE

Geodetic Control

A-

Government Units

C

Orthoimagery Leaf-On

B

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.



MISSOURI GMA RESPONSE

This year's GMA gave Missouri an opportunity to see all the strides we've made since the last Survey. One of the most exciting areas for us is the implementation of state-wide NG911. Although we weren't able to answer "Yes" this round to many of the questions, I know we'll see big changes by 2025. This in turn will impact our responses to questions about Addresses, since we intend to build and maintain these based on the data collected for NG911.

We expect to become early adopters of the new EDH hydro model. We're already piloting a watershed in south central Missouri. This is going to drive our LiDAR collection. Coordination of both orthoimagery and LiDAR acquisition is a strong suit for our state's GIS Advisory Council.

Although we do not have secured regular funding for leaf-off orthoimagery, we have had adhoc funding to complete the whole state as a 2-year cycle every 5+ years for many years. To support our NG911 efforts, we collected the northern 1/3 of the counties with 6" imagery in 2023, with plans to complete the remainder in 2024.

Strong home rule in our counties continues to keep both government units and cadastre a function of local government. We don't expect a centralized effort for either any time soon. NG911 should help with the governmental units.

Tracy Schloss

Director - GIS

GEOSPATIAL MATURITY ASSESSMENT 2023

Montana Report Card

Overall Grade: B+

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

A-

Cadastre

A

Elevation

C

Orthoimagery Leaf-Off

N/A

Transportation

C

NG9-1-1

B

FEDERAL-LED THEMES

GRADE

Geodetic Control

B+

Government Units

A

Orthoimagery Leaf-On

B

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.



GEOSPATIAL MATURITY ASSESSMENT 2023

Nebraska Report Card

Overall Grade: B+

COORDINATION

GRADE: B

STATE-LED THEMES

GRADE

Address

A

Cadastre

B-

Elevation

B+

Orthoimagery Leaf-Off

D+

Transportation

A

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

B-

Government Units

A

Orthoimagery Leaf-On

B-

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.



NEBRASKA GMA RESPONSE

The 2023 NSGIC GMA Report Card for the State of Nebraska highlights two things; 1) the strides state agencies continue to make to improve and advance spatial data related to their missions, 2) stagnation of statewide initiatives due to limited funding. Four out of five reoccurring state-led theme grades improved because of state agencies and local partners efforts. The one new state-led theme (NG9-1-1) has a superior rating. Most Nebraska agencies work in a shared portal environment and consolidated application and database structure, and many participate in the Nebraska GIS Council. Through these initiatives state agencies have a greater opportunity to collaborate with other agencies and partners with overlapping goals.

The Coordination grade was downgraded, this is likely due to a changed response not a change in practice or process at Nebraska. Nebraska continues to have a state level GIS Coordinator, and GIS tech team supporting an enterprise deployment for software and virtual portals for state agency use. The GIS Coordinator continues to facilitate the Nebraska GIS Council and report to the Nebraska Information Technology Commission, and Legislature on GIS related topics.

Nebraska lacks funding to support a statewide Orthoimagery Leaf-Off program, and instead purchases statewide NAIP imagery from US Department of Agriculture.

Casey DunnGossin

GIS Coordinator

GEOSPATIAL MATURITY ASSESSMENT 2023

New Jersey Report Card

Overall Grade: A-

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

A

Cadastre

A

Elevation

A

Orthoimagery Leaf-Off

A

Transportation

A

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

B

Government Units

A

Orthoimagery Leaf-On

C+

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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GEOSPATIAL MATURITY ASSESSMENT 2023

New Mexico Report Card

Overall Grade: B+

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

A

Cadastre

C-

Elevation

B+

Orthoimagery Leaf-Off

C

Transportation

A

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

B

Government Units

A

Orthoimagery Leaf-On

A-

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.

GEOSPATIAL MATURITY ASSESSMENT 2023

New York Report Card

Overall Grade: B+

COORDINATION

GRADE: B

STATE-LED THEMES

GRADE

Address

A

Cadastre

B+

Elevation

A-

Orthoimagery Leaf-Off

A

Transportation

A

NG9-1-1

B

FEDERAL-LED THEMES

GRADE

Geodetic Control

C

Government Units

A

Orthoimagery Leaf-On

B

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.

GEOSPATIAL MATURITY ASSESSMENT 2023

North Carolina Report Card

Overall Grade: A

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

A

Cadastre

A

Elevation

A-

Orthoimagery Leaf-Off

A

Transportation

A

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

A

Government Units

A

Orthoimagery Leaf-On

B

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.

NORTH CAROLINA GMA RESPONSE

Geospatial data and coordination efforts in North Carolina are guided by the Geographic Information Coordinating Council (GICC) where priorities are determined leading to specific actions by the broad community of stakeholders represented. Statewide efforts have been sustained for the cadastral, leaf-off orthoimagery, geodetic control, and transportation themes since the 2021 assessment.

Since the last assessment, the Next Generation 911 project has achieved completion and moved into a sustained maintenance mode with ongoing funding. The NextGen process yielded several new statewide datasets and established a firm foundation for the address theme that is critical for many state and local government programs. The statewide focus recently has been on governmental units, particularly municipal boundaries and the process leading to a complete, updated dataset with buy-in from local government data producers.

Looking ahead, a business plan is in development for the elevation theme with the goal of making the case for sustained funding for data updates to track the changing character of the North Carolina landscape, particularly in urban and coastal areas of the state. With all of the statewide datasets, the goal is first to serve the programmatic needs of state government agencies and local governments and then prepare to make the data available to a national spatial data infrastructure as that new vision evolves.

North Carolina is proud of the progress it has made in meeting the needs of its citizens through creation and accessibility of geospatial data and the coordination effort it takes to achieve it.

Tim Johnson
Geographic
Information Officer

GEOSPATIAL MATURITY ASSESSMENT 2023

North Dakota Report Card

Overall Grade: B

COORDINATION

GRADE: B

STATE-LED THEMES

GRADE

Address

A

Cadastre

A

Elevation

A-

Orthoimagery Leaf-Off

D

Transportation

B

NG9-1-1

B

FEDERAL-LED THEMES

GRADE

Geodetic Control

B

Government Units

A

Orthoimagery Leaf-On

A

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.

GEOSPATIAL MATURITY ASSESSMENT 2023

Ohio Report Card

Overall Grade: A-

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

A

Cadastre

A

Elevation

A-

Orthoimagery Leaf-Off

A

Transportation

C

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

A-

Government Units

B

Orthoimagery Leaf-On

A-

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.

GEOSPATIAL MATURITY ASSESSMENT 2023

Oklahoma Report Card

Overall Grade: B-

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

C-

Cadastre

B

Elevation

B+

Orthoimagery Leaf-Off

D

Transportation

B

NG9-1-1

B

FEDERAL-LED THEMES

GRADE

Geodetic Control

D+

Government Units

A

Orthoimagery Leaf-On

B

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.

GEOSPATIAL MATURITY ASSESSMENT 2023

Oregon Report Card

Overall Grade: B-

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

F

Cadastre

B

Elevation

C+

Orthoimagery Leaf-Off

N/A

Transportation

B

NG9-1-1

C

FEDERAL-LED THEMES

GRADE

Geodetic Control

B

Government Units

A

Orthoimagery Leaf-On

B+

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.

GEOSPATIAL MATURITY ASSESSMENT 2023

Pennsylvania Report Card

Overall Grade: A-

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

B+

Cadastre

A

Elevation

A-

Orthoimagery Leaf-Off

A

Transportation

B

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

B

Government Units

A

Orthoimagery Leaf-On

B+

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.



PENNSYLVANIA GMA RESPONSE

Pennsylvania welcomes the opportunity to participate in NSGIC's bi-annual Geospatial Maturity Assessment, an exercise in self-assessment that assists us in defining our goals and opportunities in the geospatial environment. Pennsylvania views this as an opportunity to engage the appropriate entities to improve not only our grades on specific themes, but also to improve the geospatial services that are made available to our customers and citizens. We are very proud of the multistakeholder work across these data themes that has increased our overall grade from a B+ to an A-.

The grading of the previous assessment clearly identified areas for improvement, and we are happy to see that we did indeed improve in several areas. We are especially proud to have improved our state-led address theme by facilitating the counties efforts to create address datasets for NG911 and having an accessible state workflow for distribution up to the National Address Database (NAD).

We appreciate the grading effort and find it beneficial for us to be able to compare our progress as it ranks against other states. While we do not agree with the reduction of the Transportation grade from an A to a B, we find that the other grades are accurate representations of successes and challenges. Additionally, the assessment assists us in identifying areas for improvement that we can utilize as we plan our future geospatial activities and helps us to keep on track to maintain the excellent work that has already been accomplished.

Scottie Wall

State GIS Coordinator

GEOSPATIAL MATURITY ASSESSMENT 2023

Rhode Island Report Card

Overall Grade: B+

COORDINATION

GRADE: C

STATE-LED THEMES

GRADE

Address

B+

Cadastre

B

Elevation

B+

Orthoimagery Leaf-Off

A

Transportation

B

NG9-1-1

N/A

FEDERAL-LED THEMES

GRADE

Geodetic Control

C+

Government Units

A

Orthoimagery Leaf-On

A-

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.

GEOSPATIAL MATURITY ASSESSMENT 2023

South Carolina Report Card

Overall Grade: B

COORDINATION

GRADE: C

STATE-LED THEMES

GRADE

Address

A-

Cadastre

C

Elevation

A-

Orthoimagery Leaf-Off

A

Transportation

B

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

B

Government Units

A-

Orthoimagery Leaf-On

F

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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GEOSPATIAL MATURITY ASSESSMENT 2023

Tennessee Report Card

Overall Grade: B+

COORDINATION

GRADE: B

STATE-LED THEMES

GRADE

Address

A

Cadastre

A

Elevation

A

Orthoimagery Leaf-Off

A

Transportation

C

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

B+

Government Units

A

Orthoimagery Leaf-On

C+

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

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GEOSPATIAL MATURITY ASSESSMENT 2023

Texas Report Card

Overall Grade: A-

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

A-

Cadastre

A

Elevation

A

Orthoimagery Leaf-Off

A

Transportation

B

NG9-1-1

C

FEDERAL-LED THEMES

GRADE

Geodetic Control

A-

Government Units

B+

Orthoimagery Leaf-On

A

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.

GEOSPATIAL MATURITY ASSESSMENT 2023

Utah Report Card

Overall Grade: A-

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

A

Cadastre

A

Elevation

A-

Orthoimagery Leaf-Off

A

Transportation

A

NG9-1-1

B

FEDERAL-LED THEMES

GRADE

Geodetic Control

A-

Government Units

A

Orthoimagery Leaf-On

B

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.

GEOSPATIAL MATURITY ASSESSMENT 2023

Vermont Report Card

Overall Grade: A-

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

A

Cadastre

A

Elevation

A

Orthoimagery Leaf-Off

A

Transportation

A

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

B+

Government Units

C+

Orthoimagery Leaf-On

A-

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.



GEOSPATIAL MATURITY ASSESSMENT 2023

Virginia Report Card

Overall Grade: B+

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

A

Cadastre

N/A

Elevation

N/A

Orthoimagery Leaf-Off

A

Transportation

A

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

F

Government Units

A

Orthoimagery Leaf-On

C+

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.

GEOSPATIAL MATURITY ASSESSMENT 2023

Washington Report Card

Overall Grade: B+

COORDINATION

GRADE: B

STATE-LED THEMES

GRADE

Address

A

Cadastre

A

Elevation

B+

Orthoimagery Leaf-Off

N/A

Transportation

B

NG9-1-1

A

FEDERAL-LED THEMES

GRADE

Geodetic Control

B-

Government Units

A

Orthoimagery Leaf-On

B-

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.

GEOSPATIAL MATURITY ASSESSMENT 2023

Wisconsin Report Card

Overall Grade: B

COORDINATION

GRADE: B

STATE-LED THEMES

GRADE

Address

F

Cadastre

A

Elevation

A

Orthoimagery Leaf-Off

A

Transportation

N/A

NG9-1-1

B

FEDERAL-LED THEMES

GRADE

Geodetic Control

B+

Government Units

A

Orthoimagery Leaf-On

B

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.

GEOSPATIAL MATURITY ASSESSMENT 2023

Wyoming Report Card

Overall Grade: B-

COORDINATION

GRADE: A

STATE-LED THEMES

GRADE

Address

F

Cadastre

A

Elevation

B-

Orthoimagery Leaf-Off

B+

Transportation

B

NG9-1-1

C

FEDERAL-LED THEMES

GRADE

Geodetic Control

B

Government Units

D

Orthoimagery Leaf-On

C+

METRICS:

A - Superior

C - Average

F - Failure

B - Above average

D - Below average

N/A - Not Applicable

The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments. The NSGIC GMA now produce report cards for each state on central data themes and coordination topics. The assessment is performed every two years.



WYOMING GMA RESPONSE

Wyoming thanks NSGIC for the opportunity to assess both accomplishments and gaps in our GIS efforts. We accept and agree with the 2023 Geospatial Maturity Assessment (GMA) overall score of B-.

Wyoming's individual scores are commensurate with current accomplishments while reflecting Wyoming's desire to develop a well-rounded GIS collaboration. We are excited to continue laying the groundwork for growth in GIS as we hope to expand on our authoritative statewide address database efforts and coordination endeavors.

Agency engagement, centralizing GIS services, and developing a state IT data governance model are at the forefront of Wyoming's GIS plan. Wyoming is making advances in our NG9-1-1 program with the adoption of our GIS Data Model. We have the vision to create an ArcGIS Enterprise Portal and leverage Enterprise GIS Managed Cloud Services. We endeavor to make the portal available to all State agencies and provide a common location for data sharing. Wyoming's partnership with ESRI continues to strengthen, exploring options for future GIS growth within the state. The Wyoming Legislature approved \$2M for LiDAR derivatives for the entirety of the State of Wyoming's land base (approximately 98,000 square miles) and a Wyoming LiDAR portal will be managed by WyGIS to support state and regional mapping needs in Wyoming.

Heidi Martin
Senior Enterprise GIS
Analyst