

Contact Information (Section 1 of 12)

Name

	Mary Fulton
	Agency/Organization Name
	Commonwealth of Pennsylvania/Office for Information Technology
	State
	Pennsylvania
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C	Coordination (Section 2 of 12)
4	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)

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

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

State CIO or other manager in the CIO's office

- Input to budget and financial matters affecting the state GIS office
- Input over technology used at the state enterprise level
- Coordinate activities across levels of government and within state government
- Influence resides more with the Council than the GIO

E	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)Agency services		
	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	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 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://www.pasda.psu.edu/		

	2. Enter the complete URL for your State's GIO office website. (Include http:// or https://)
	http://www.gis.pa.gov
	3. Enter the complete URL for your state's GIS Council website. (Include http:// or https://)
	https://www.oa.pa.gov/Programs/Information%20Technology/Pages/geoboard.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.
	Act 178 of 2014 https:// www.legis.state.pa.us/cfdocs/legis/li/uconsCheck.cfm? yr=2014&sessInd=0&act=178;Act 37 of 2020 is renewal legislation (no room for details)
Next	Generation 9-1-1 (NG9-1-1) (Section 3 of 12)
	Is there an effort in your state to coordinate the development, normalization, aggregation, and/or distribution of data in support of NG9-1-1? (pick one)
Ye	S
	Is there a state GIS coordinating body assigned with the responsibility for GIS data readiness for NG9-1-1? ick one)
Ye	S
	Is there a relationship between the state GIS office or coordinating body and state 9-1-1 coordinating body? ick one)
Fo	rmal – GIS coordinating body is included in state 9-1-1 coordinating body
	Is the development, normalization, aggregation, and/or distribution of GIS datasets required for NG9-1-1 nded? (pick one)
Ye	S
	Are there processes in place to normalize and aggregate authoritative GIS datasets required for NG9-1-1 to atewide datasets? (pick one)
Ye	S

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)
Data sharing agreements are unnecessary
Road Centerlines
Hybrid
Site/Structure Address Points
Hybrid
PSAP Boundaries
Hybrid
Service Boundaries (law/fire/EMS)
Hybrid
Provisioning Boundaries
Hybrid
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
Road Centerlines (enter %)
90-100%
Site/Structure Address Points (enter %)
Site/Structure Address Points (enter %) 90-100%

	PSAP Boundaries (enter %)
	25-49%
	Service Boundaries - Law Enforcement (enter %)
	50-79%
	Continu Devardantes Fire (auton 04)
	Service Boundaries - Fire (enter %)
	50-79%
	Service Boundaries - EMS (enter %)
	50-79%
	30-7370
	10. Which of the following statewide GIS datasets are publicly available? (choose all that apply)
	Road Centerlines
	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:
	preliminary discussions with Maryland but nothing formal with any of the other surrounding states.anticipate discussions with northern and western neighbors later this year as we start to migrate those counties.
Е	Elections (Section 4 of 12)
S	1. Does your office have a formal relationship (statute, administrative rule, formal agreement for services, or a tanding 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.)
	No
	3. Does your state use and maintain a state or commercial geocoding web service to locate voter addresses and voters? (pick one)
	No
	4. Does your state have an audit process for precinct assignments within its election database? (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
А	ddress 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)
	<25%
	2. How frequently is this data undated? (pick one)
	3. How frequently is this data updated? (pick one)
	Every >3 years
	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
	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
	Business plan: A business plan exists for this theme
Ca	dastre/Parcels (Section 6 of 12)
Α.	Parcel Data
	1. What percentage of your counties have georeferenced digital parcel maps? (pick one)
	80-89%
	2. Does your state have a program of collecting current digital parcel data from local jurisdictions? (pick one)
	Yes
	D. Controlling distance and locations of distinct many states.
	B. Centralized state collection of digital parcel data
	1. What percentage of your counties participate? (pick one)
	25-49%

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

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)

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

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)

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

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

Open, free, viewable, downloadable, with API

- 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
- 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)
	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)
	Less than 50%
	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)
	 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)
С	rthoimagery (Section 9 of 12)
Α	. 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)
	Steward. There is a designated aggregator or steward for this data layer
Е	s. Leaf-Off
	1. How much of your state is covered by leaf-off orthoimagery? (pick one)
	90-100%
	90-10070
	2. Please indicate its update frequency. (pick one)
	Every 2-3 years
	Every 2-5 years
	3. Please indicate if you opt for any additional options. (choose all that apply)
	6-inch product or better
	• 0-men product or better
	4. Please indicate its accessibility. (pick one)
	Findable and downloadable
	Tilldable and downloadable
	5. Does your program collect more than the three R-G-B bands of data? (pick one)
	Yes (Specify)
	Please specify:
	CIR
	CIK

- 6. Identify the characteristics of your 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
- Business plan. A business plan exists for this theme
- 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

• Local government: There is a formal connection to local government

Governmental Units (Se	ction 10) ot 12)
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Governmental Units (Section 10 of 12)		
1. Does your state have >75% unincorporated areas (as measured by the number of county subdivisions, not by and 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)		
Updated as changes occur		
5. How are the data published? (pick one)		
Data published with no 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		

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)
	No
	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
	4. What are the details of your state efforts? (choose all that apply)
	Steward: There is a designated state steward
	 Relationship: There is an established working relationship between the state and tribal – local governments
	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
	Legislation is in progress
E	Elevation (Section 12 of 12)
	1. Indicate the level of completion of the elevation data layer as a percentage. (pick one)
	90-100%
	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, viewable, downloadable, with API

- 7. What are the details of your state efforts? (choose all that apply)
- Steward: There is a designated state steward
- 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
- 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

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.).

create base maps, locate landslides and karst features, identify landforms, assist in geologic mapping, derive elevation-derived hydrography, survey signalized intersections, data development, calculate roadway slopes, pavement mapping.