

**Pennsylvania State Geospatial Coordinating Board  
Implementation Approach 2021-2024**

**Combined Implementation Approach**

***Data Sharing:***

<b><u>Task Force</u></b>	<b><u>Service Delivery</u></b>
<b>Task / Item</b>	<b>Contact data sharing agreement signatories regarding sharing data</b>
<b>Dependencies</b>	N/A
<b>Estimated Start Date</b>	Ongoing
<b>Estimated Completion Date</b>	12/31/22
<b>Metrics/Measurables</b>	10 additional county signatories sharing data with PASDA.
<b>Other Entities Involved</b>	GeoBoard Leadership Team, County Pros, multiple state agencies, PASDA
<b>Strategic Plan Relation(s)</b>	<p><b>Theme: Collaboration</b> Objective: Continue to promote data sharing and increase the number of entities that participate in the GeoBoard Data Sharing Agreement</p> <p><b>Theme: Stewardship</b> <b>Objective:</b> Promote strategies to ensure geospatial data is authoritative, well documented and updated at regular frequencies <b>AND</b> promote common schemas, frameworks and tools to help combine disparately authored data into a single dataset.</p>

<b><u>Task Force</u></b>	<b><u>Governance Task Force</u></b>
<b>Task / Item</b>	<b>Clarify and streamline data sharing protocols between state agencies and county signatories of the Statewide Data Sharing Agreement</b>
<b>Dependencies</b>	Interagency Open Data Agreement defines what agencies currently share and may constrain additional sharing.
<b>Estimated Start Date</b>	11/30/21
<b>Estimated Completion Date</b>	11/30/22
<b>Metrics/Measurables</b>	<ol style="list-style-type: none"> <li>Guidelines published on GeoBoard website and promotional materials distributed to all signatory agencies and county governments.</li> <li>10 specific instances of agency/county sharing documented</li> </ol>

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<b>Other Entities Involved</b>	Delivery Center CIO's, OGC, ODDT, County GIS Pros, JTF
<b>Strategic Plan Relation(s)</b>	<b>Theme: Collaboration</b> Objective: Continue to promote data sharing and increase the number of entities that participate in the GeoBoard Data Sharing Agreement

<b><i>Task Force</i></b>	<b><i>Governance Task Force</i></b>
<b>Task / Item</b>	<b>Enhance reporting of Data Sharing status to better inform Geospatial Community</b>
<b>Dependencies</b>	
<b>Estimated Start Date</b>	11/30/21
<b>Estimated Completion Date</b>	6/30/22
<b>Metrics/Measurables</b>	<ol style="list-style-type: none"> <li>1. Develop a medium to create a living status of this information (storymap w/ data type tabs based on county map already using?)</li> <li>2. Coordinate with Service Delivery to update status continually based on data sharing</li> </ol>
<b>Other Entities Involved</b>	PA County GIS Pros, PASDA, State Agencies
<b>Strategic Plan Relation(s)</b>	

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***Data Access:***

<b><u>Task Force</u></b>	<b><u>Service Delivery</u></b>
<b>Task / Item</b>	<b>Expand the availability of streaming data.</b>
<b>Dependencies</b>	Partners will need architecture that supports collaborative data sharing.
<b>Estimated Start Date</b>	Ongoing
<b>Estimated Completion Date</b>	12/31/22
<b>Metrics/Measurables</b>	4 new partners sharing streaming data
<b>Other Entities Involved</b>	County Pros, multiple state agencies, non profits, PASDA
<b>Strategic Plan Relation(s)</b>	<p><b>Theme: Collaboration</b> Objective: Continue to promote data sharing and increase the number of entities that participate in the GeoBoard Data Sharing Agreement</p> <p><b>Theme: Stewardship</b> <b>Objective:</b> Promote strategies to ensure geospatial data is authoritative, well documented and updated at regular frequencies <b>AND</b> promote common schemas, frameworks and tools to help combine disparately authored data into a single dataset</p>

<b><u>Task Force</u></b>	<b><u>Service Delivery</u></b>
<b>Task / Item</b>	<b>Expand access to imagery</b>
<b>Dependencies</b>	NA
<b>Estimated Start Date</b>	Ongoing
<b>Estimated Completion Date</b>	7/31/22
<b>Metrics/Measurables</b>	Phase 2 of PEMA data is completed and available via PASDA, Imagery Navigator.
<b>Other Entities Involved</b>	Data TF, County Pros, PASDA, USGS, PEMA, FEMA, PA DCNR

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<b>Strategic Plan Relation(s)</b>	<p><b>Theme: Collaboration</b> Objective: Continue to promote data sharing and increase the number of entities that participate in the GeoBoard Data Sharing Agreement</p> <p><b>Theme: Sustainability</b> Objective: Promote sustainable spatially enabled business solutions.</p>
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***Basemap 2030:***

<b><u>Task Force</u></b>	<b><u>Service Delivery</u></b>
<b>Task / Item</b>	<b>Service Delivery Task Force –PA Basemap 2030 Initiative</b>
<b>Dependencies</b>	Creation of the PA Basemap 2030 will depend on progress in all other areas of STF plan and the efforts of the Data Task Force, PEMA, and other entities that develop or manage data.
<b>Estimated Start Date</b>	12/1/21
<b>Estimated Completion Date</b>	5/26/22
<b>Metrics/Measurables</b>	Participate in planning sessions for PA Basemap 2030
<b>Other Entities Involved</b>	GBLT, PEMA, GeoBoard XD, Working Group leaders and members
<b>Strategic Plan Relation(s)</b>	<b>Theme: Stewardship</b> <b>Objective:</b> Promote strategies to ensure geospatial data is authoritative, well documented and updated at regular frequencies <b>AND</b> promote common schemas, frameworks and tools to help combine disparately authored data into a single dataset.

<b><u>Task Force</u></b>	<b><u>Data Program Task Force</u></b>
<b>Task / Item</b>	<b>Plan a workshop to outline the 2030 vision for the PA Base Map.</b>
<b>Dependencies</b>	May need to incorporate ideas from the other Task Force Implementation Plans
<b>Estimated Start Date</b>	11/30/21
<b>Estimated Completion Date</b>	1/15/22
<b>Metrics/Measurables</b>	Plan and invitations for hybrid workshop(s) to be held in Spring 2022 at PEMA HQ
<b>Other Entities Involved</b>	Working Group leaders, PEMA, GeoBoard XD
<b>Strategic Plan Relation(s)</b>	<b>Stewardship</b> - Promote common data standards, best practices, and strategies to ensure geospatial data is authoritative, well documented,

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	<p>and updated at regular frequencies.</p> <p><b>Collaboration</b> - Promote collaboration in planning to maximize available resources when developing applications, services, and platforms that could meet multiple stakeholder’s business needs without duplication of the effort.</p>
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<u>Task Force</u>	<u>Data Program Task Force</u>
<b>Task / Item</b>	<b>Run workshop to outline the 2030 vision for the PA Base Map and publish results in Special Report of GeoBoard</b>
<b>Dependencies</b>	Successful workshop planning task
<b>Estimated Start Date</b>	11/30/21
<b>Estimated Completion Date</b>	Report to be presented for approval at May 26, 2022 Quarterly GeoBoard Meeting
<b>Metrics/Measurables</b>	<ol style="list-style-type: none"> <li>1. At least 50 people actively participate in Base Map 2030 Workshop(s)</li> <li>2. Report acceptance and publication</li> </ol>
<b>Other Entities Involved</b>	GBLT, PEMA, GeoBoard XD, Working Group leaders and members
<b>Strategic Plan Relation(s)</b>	<p><b>Collaboration</b> - Enhance GeoBoard communications</p> <p><b>Collaboration</b> - Enhance open data sharing and use of shared data.</p> <p><b>Stewardship</b> - Enhance governance and stewardship of geospatial data.</p>

<u>Task Force</u>	<u>Governance Task Force</u>
<b>Task / Item</b>	<b>The GeoBoard should officially create a Working Group (or subcommittee) to specifically focus on the ways GIS can support broadband improvement in the Commonwealth via both regulatory policies and GIS implementation – create an advisory role to the agencies and providers.</b>
<b>Dependencies</b>	Ability to work successfully with both providers and regulatory agencies, such as the FCC, in mapping and analyzing data and creating policies. Also, the wireless providers and the interrelation with NextGen911 may come into play.
<b>Estimated Start Date</b>	11/30/21 (Note that this goal builds from GeoBoard topic #13 in the tracking spreadsheet, submitted in Q4 of 2019)

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<b>Estimated Completion Date</b>	11/30/22
<b>Metrics/Measurables</b>	<ol style="list-style-type: none"> <li>1. Document published for GeoBoard general membership approval outlining the conclusions of the working group, along with solutions, recommendations, and any tangible assets produced (e.g. survey data).</li> <li>2. This document may also be framed as a “best practices” document for publishing if methods are clearly established.</li> <li>3. Document published that outlines how the success of GIS community also relies on availability of Broadband across the state.</li> </ol>
<b>Other Entities Involved</b>	Service providers (e.g. Comcast), regulatory agencies (e.g. FCC), other utility agencies whose infrastructure could support broadband (e.g. poles owned by electric & phone companies), economic development corporations, the real estate community, and others. I’d say this item either goes to the Data Development or Service Delivery Task Force.
<b>Strategic Plan Relation(s)</b>	<p><b>Theme: Collaboration</b></p> <p><b>Objective:</b> Emphasize the value of coordination among federal, state, and local government officials, along with private sector stakeholders, in collectively providing geospatial services in support of the Commonwealth.</p> <p><b>Description:</b> Contribute the Geoboard’s collective expertise in supporting telecom providers and regulatory agencies with their efforts to expand and improve broadband service, and allocate resources (e.g., COVID related funds) as efficiently as possible.</p>

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***GeoBoard Communications:***

<u><b>Task Force</b></u>	<u><b>Governance Task Force</b></u>
<b>Task / Item</b>	<b>Develop Reference Library on ROI on Geospatial Investments</b>
<b>Dependencies</b>	Accessible library needs set up
<b>Estimated Start Date</b>	11/30/21
<b>Estimated Completion Date</b>	11/30/22
<b>Metrics/Measurables</b>	<ol style="list-style-type: none"> <li>1. ROI Library established on GeoBoard website</li> <li>2. Min of 5 ROI documents cataloged to ROI Library</li> <li>3. Documentation representing at least 3 applications / business facets</li> </ol> <p>*Not create own ROI for PA at this time, Rather see if we can find some examples of ROI and compile a list of existing ones for reference *</p>
<b>Other Entities Involved</b>	OA
<b>Strategic Plan Relation(s)</b>	<ul style="list-style-type: none"> <li>• <b>Promote sustainable funding</b> <ul style="list-style-type: none"> <li>○ Highlight the cost benefit / return on value of spatially enabled business solutions to decision makers and stakeholders.</li> </ul> </li> </ul>

<u><b>Task Force</b></u>	<u><b>Governance Task Force</b></u>
<b>Task / Item</b>	<b>Enhance Legislative Tracking to better inform Geospatial Community</b>
<b>Dependencies</b>	
<b>Estimated Start Date</b>	11/30/21
<b>Estimated Completion Date</b>	6/30/22
<b>Metrics/Measurables</b>	<ol style="list-style-type: none"> <li>1. Set up automatic “word flagging” of PA Legislation for “GIS, Geospatial, Geographic, Imagery, Lidar, GPS, etc”</li> </ol>



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	<ol style="list-style-type: none"> <li>2. Coordinate with Legislative Liasons in GeoBoard Membership (State Agencies, PA County Pros / CCAP, PSLs) to flag legislative proposals that affect / could be enhanced by GIS activities in PA</li> <li>3. Develop GIS Legislation Listing and tracking page for easy accessibility</li> </ol>
<b>Other Entities Involved</b>	State Agencies, PA County Pros / CCAP, PSLs
<b>Strategic Plan Relation(s)</b>	

<b><u>Task Force</u></b>	<b><u>Governance Task Force</u></b>
<b>Task / Item</b>	<b>Form PA GIS Census Subcommittee</b>
<b>Dependencies</b>	
<b>Estimated Start Date</b>	11/30/21
<b>Estimated Completion Date</b>	3/1/22
<b>Metrics/Measurables</b>	Subcommittee exists and is meeting monthly.
<b>Other Entities Involved</b>	PASSHE, OA, Dept. of Education, DCED, County GIS Pros
<b>Strategic Plan Relation(s)</b>	<ul style="list-style-type: none"> <li>• <b>Promote sustainable resources.</b> <ul style="list-style-type: none"> <li>○ Encourage the recruitment, training, and retention of qualified geospatial talent.</li> <li>○ Encourage training and education focused on real-world, cutting edge geospatial technology to prepare individuals for careers that contribute to the Commonwealth's geospatial future regardless of entity.</li> </ul> </li> </ul>

<b><u>Task Force</u></b>	<b><u>Governance Task Force</u></b>
<b>Task / Item</b>	<b>Create a working group in order to research and execute ways to enhance the GeoBoard's presence in the Commonwealth and in the broader geospatial community nationwide.</b>
<b>Dependencies</b>	Ability to access platforms (social media or the like) which are conducive for outreach. Generate interest from other state agencies, private sector interests, educational institutions, etc.

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<b>Estimated Start Date</b>	12/1/2021
<b>Estimated Completion Date</b>	12/1/2022
<b>Metrics/Measurables</b>	<ol style="list-style-type: none"> <li>1. Increased engagement with the GeoBoard from (potential?) stakeholders.</li> <li>2. Increase in topic submissions for GeoBoard processing.</li> <li>3. Published document of progress for approval by the GeoBoard general membership.</li> </ol>
<b>Other Entities Involved</b>	OA and PR issues that must go through that office, other governmental offices at all levels, private sector interests.
<b>Strategic Plan Relation(s)</b>	<p><b>Theme: Sustainability</b>  <b>Objective:</b> Preserve and enhance the value of geospatial data and services in Pennsylvania.</p> <p><b>Description:</b> The more of a footprint the GeoBoard has in the Commonwealth and the nationwide geospatial community, the more it will contribute to its sustainability and justification for renewal. Looking at the last cycle of Board renewal, it was a very close call in preventing the legislation from sunseting. Increases in engagement up to and with the Governor’s Office will greatly increase the interest in a sustained GeoBoard presence from the executives and legislators.</p> <p>The GeoBoard procedures were designed to accommodate increased engagement from all sectors of the geospatial community and beyond. This proved to be beyond the scope of the Procedure’s Subcommittee alone, but should be further perused by the general membership. Getting a presence with Broadband mapping support, for example, could draw attention to the GeoBoard as an example for other initiatives nationwide and even globally.</p>