

Work Plan

GIS Technical Advisory Committee

The purpose of the GIS Technical Advisory Committee (TAC) is to review and recommend specifications related to interoperability of hardware, software and databases to enable data sharing, as well as approaches or guidelines for developing, installing, and managing the components of GIS infrastructure. The state (SGUC), local (LGC) and federal (FIC) user committees appoint members to the TAC. The committee also includes representatives from the Office of the State Chief Information Officer, the NC Secretary of State’s Land Records Management Program, the GICC (appointed by the Chair), and CGIA (as staff support).

Goals

- A. Under direction of the GICC, support the mission of the Council by responding to GIS technical opportunities and issues affecting state and local governments in North Carolina.
- B. Provide guidance on technical issues related to geospatial data and GIS as a component of the statewide technical architecture.
- C. Exercise foresight and leadership, and approach technical matters in a competent and timely manner.

Objectives and Benefits

Objective	Expected Benefit
1. Provide an assessment of the statewide technical architecture for GIS in an annual report to the Council.	The GICC and its committees will be better informed on technical architecture issues in North Carolina as they relate to GIS and geospatial data.
2. Recommend specifications to ensure interoperability of hardware, software, and databases, and to facilitate data exchange.	Technical advice will better inform the GICC, its committees, and the GIS community at large.
3. Provide technical advice, expertise and leadership for specific technical issues of concern to the Council.	Questions and concerns from GICC members will be considered and answered in a timely way.
4. Align findings and recommendations of the TAC, when practical, with the policies and standards of the National Spatial Data Infrastructure (NSDI).	North Carolina will be well positioned for federal grant proposals, cooperative agreements, and collaborative projects with the US Geological Survey, other federal agencies, the Library of Congress, and other states.

Major Tasks Numbered by Objective 2019-2020 (* indicates priority for this fiscal year)

Objective number and task number	Lead Member(s)	Date Initiated	End Date	Status
*1.1. Provide assessment on technical issues related to geospatial data and GIS as a component of the statewide technical architecture. Define how GIS technology and geographic data fit into architecture.	Dan Madding, David Giordano	7/2019	6/2020	
*2.1. Define best practices and guidelines for data exchange interoperability. Identify any need for updated or additional state standards beyond the current set adopted by	Dan Madding	7/2019	6/2020	Ongoing

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GICC and bring to the attention of the Management and Operations Committee.				
3.1 Produce infrastructure data best practices document outlining what data can be shared easily (and how) and what data cannot be shared.	TAC chair, in consultation with committee, Stan Duncan, Kristian Forslin, and Amy Barron	3/2020	6/2020	
3.2 Articulate in a white paper the different types of web services and terminology (image, map, feature, KML, WMS, WFS, WCS, REST, etc.)	TAC chair, in consultation with committee	3/2020	6/2020	
3.3 Inform the GICC of tasks and progress on issues of concern	Dan Madding	7/2019	6/2020	Ongoing
4.1. Review GICC concerns and develop responses; review requests and solutions in the context of NSDI	Dan Madding	7/2019	6/2020	Ongoing

Additional Information on Specific Tasks

- (Task 1.1)* The TAC will establish a workgroup to research the existing Technical Architecture guidelines of the Department of Information Technology (DIT). The TAC will review the existing standard(s) and provide feedback on their suitability for use with geographic data. While this objective mainly relates to state agencies, the TAC will attempt to create a checklist(s) for smaller local governments relating to common system design components for internal reference purposes. The TAC will review the State’s technical architecture guidelines and attempt to develop a template version for smaller state agencies to use when going through the project/application review process for the first time.

An expected benefit would be to help make the application review process seem less daunting to first time applicants and smaller state agencies. Another potential benefit could be DIT having more consistent applications and thus a quicker review time for approvals. Lastly, but most importantly, the GIS community wants to start a dialogue with DIT to make sure the architecture guidelines are applicable and meet the needs of GIS professionals. Workgroup members will include Patrick Blalock (DIT), John Farley and NCDOT staff member(s) (NC DOT), Allan Sandoval (DOC), Allan Axon (DOT), David Giordano (CGIA), and Daniel Madding (NCDA&CS), with members from the local government committee to be determined.

Ongoing Responsibilities

Members are responsible for communicating the work of the TAC to their respective committees and constituents.

Dependencies

GICC initiatives and priorities during the year may alter tasks.