

Task Force Goals and Creation of Focus Groups

Jan. 2019



WSRS2022
Wisconsin Spatial
Reference System
2022 Task Force

Background

In 2022 the National Geodetic Survey (NGS) will replace NAD 83 and NAVD 88 with new horizontal and vertical reference systems known as the North American Terrestrial Reference Frame of 2022 (NATRF2022) and the North American-Pacific Geopotential Datum of 2022 (NAPGD2022).

These changes will have significant effects on surveying, mapping and GIS across Wisconsin. To respond to these changes, the Wisconsin Spatial Reference System 2022 Task Force (WSRS2022) has been organized under the Wisconsin Society of Land Surveyors (WSLS). The Chair and co-Chair of the Task Force are Howard Veregin, Wisconsin State Cartographer, and Richard Kleinmann, chair of the WSLS Geospatial Committee.

Goals and Mission

The mission of WSRS2022 is to help ensure successful implementation of the new reference systems across Wisconsin.

WSRS2022 represents a broad coalition of geospatial and surveying professionals in Wisconsin, including federal, state, regional, county and local governments, as well as agencies, corporations and associations involved in the production and use of geospatial data.

Activities

A Discovery Team meeting was held in Madison in August, 2018, to facilitate the creation of the Task Force and to decide how to respond to a Federal Register Notice about the proposed NGS process to update the State Plane Coordinate System.

Starting in December, 2018, the Task Force initiated five Focus Groups to concentrate on specific aspects of the new reference systems. (See panel to the right). It is expected that these Focus Groups will be formed by late February, 2019.

Focus Groups

Technical Focus Group

Goals: Develop a proposal — to be submitted to NGS — that details the state's proposed response to the introduction of the new reference systems. Consider all three tiers of Wisconsin's spatial reference system structure: county coordinate systems; state plane zones; and a single statewide system. Also consider the impacts of the new vertical datum.

Legislative Focus Group

Goals: Define the impacts of the new reference systems on state and local legislation and ordinances. Make specific recommendations for updating legislation and ordinances. Develop a timeline to fit legislative calendars.

Education and Outreach Focus Group

Goals: Help educate the community about the new reference systems and their implications for geospatial data and workflows. Target audience includes software vendors and developers, surveyors, utilities, GIS practitioners, educators, and students.

Software/Hardware Focus Group

Goals: Develop plans to incorporate the new reference systems into hardware and software in a timely and accurate manner. Work with NGS to incorporate these coordinate systems into publications and transformation software.

Implementation/Adoption Focus Group

Goals: Identify implementation and adoption implications of the new reference systems, including best practices for transforming current data, effects of state and federal agency plans and requirements, and funding of local/state data conversion.



For more information visit

www.sco.wisc.edu/community/wsrs2022