Standards Brief
National Geospatial Advisory Council

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National Alliance for Public Safety GIS (NAPSG) Foundation

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About NAPSG Foundation

- National Alliance for Public Safety GIS (NAPSG) Foundation
  - 501(c)(3) Non-profit organization established in 2005
  - +7,000 members: both GIS and Public Safety Leaders/Operators (non-GIS)
  - Board of Directors comprised of public safety & emergency management industry leaders

- Our vision is to provide the resources and support necessary to equip emergency responders and leaders with the knowledge and skills to apply technology and data to change the outcome for survivors.

Standards Philosophy

Challenges:

- Different public safety disciplines adopt standards exclusively from specific SDOs
- SDO-based standards are sometimes not capable of rapid updating to meet evolving needs and requirements resulting from recent incidents and technology developments
- Many require users to purchase copies of standards, making implementation cost prohibitive
- Some SDOs require working group members to pay in order to participate in the process

Solutions:

- Participate in and support multiple SDO-based standards development and maintenance efforts across public safety disciplines and technology standards bodies
- Solicit stakeholder input that reflects a truly national perspective through focused and no-cost Task Forces and Working Groups
- Fill critical gaps that require more nimble and agile solutions and tools
- Develop and disseminate tools to the community that enable and expedite implementation

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Incident Symbology * Resource Typing

- **Standardized Incident Symbology:** Achieve a common language for communicating incident information
  - Incident Symbology Framework and Guideline
  - Symbol Library Tool
  - Technical Implementation Guidance
  - https://www.napsgfoundation.org/all-resources/symbology-library/
- **Qualifications and Credentialing:** Establish minimum criteria and qualifications for GIS personnel and teams
  - 5 Position Qualification Sheets
  - 4 Resource Typing Definitions for GIS Map Support Teams
  - Consistent with the FEMA Qualifications System and NIMS doctrine for resource typing
  - Serves as the basis for the EMAC Mission Ready Package Template for GIS Resources
  - Fully adopted and implemented by Florida for the Florida GIS Emergency Resource Team
  - https://www.napsgfoundation.org/all-resources/qualifications-and-credentialing/

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- **Standard Operating Guidelines and Templates:** Shared foundation, encouraging improved communication and collaboration
  - Core GIS SOG and Template for Incident Management and Coordination
  - Incident-specific SOP Template Supplements
  - Supports implementation of the Homeland Security Geospatial Concept of Operations at the local and state level
  - Consistent with National policy and doctrine, include NIMS and the National Response Framework
  - https://www.napsgfoundation.org/all-resources/standard-operating-guide-templates/
- **US National Grid:** Point and area reference system for actionable location information in a uniform format
  - Background Resources
  - Implementation Resources
  - Technical Resources: Map templates for creating 1:24K USNG maps, Guide for building USNG polygons
  - https://www.napsgfoundation.org/all-resources/us-national-grid-resources-2/

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Outreach and Education

- Multi-tiered outreach and education strategy is paramount to the promulgation of all standards
  - Virtual Training Sessions
  - In-Person Workshops and Summits – i.e. 2017 National Geospatial Preparedness Summit
  - Participation and education workshops at partner association conferences
- 7,000+ member network of local, state, tribal, Federal public safety and GIS practitioners
- Industry roundtable meetings and ongoing industry collaboration to embed standards into COTS solutions

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Questions?

Rebecca Harned: rharned@publicsafetygis.org

National Geospatial Preparedness Summit: https://www.napsgfoundation.org/events/ngps/

NAPSG Resource Library: https://www.napsgfoundation.org/all-resources/

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