

Meeting Summary



INFORMATION

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|-------------------------|--|--------------------|----------|-----------------|---------|------------------|---|
| DATE: | 8/24/2017 | START TIME: | 12:30 pm | END TIME | 2:00 pm | LOCATION: | NH National Guard Regional Training Institute(RTI) , 722 Riverwood Drive, Pembroke NH |
| SUBJECT/PROJECT: | GIS Committee Meeting | | | | | | |
| PURPOSE: | Scheduled Meeting | | | | | | |
| FACILITATOR: | Denis Goulet, CIO | | | | | | |
| ATTENDEES: | GIS Committee Members 1. Adjutant General – Maj. Gen. Bill Reddel; 2. Agriculture, Food & Markets – Robert Wolff 3. Cultural Resources – Tanya Krajcik 5. Energy and Planning – Kenneth Gallager 6. DES – Assistant Commissioner Clark Freise 7. Fish & Game – Katie Callahan 8. DHHS – CIO Donna O’Leary 9. DoIT – Commissioner Denis Goulet 10. DRED – Jonathan Horton 11. DRA – Stephan Hamilton 12. DOS – Assistant Commissioner Richard Bailey 13. DOT – Designee – Glenn Davidson 14. The director of UNH's geographically referenced analysis and information transfer (GRANT) system, or designee – Fay Rubin 15. A municipal GIS manager, appointed by the NH Municipal Association – Angelo Marino 16. A representative from the NH Association of Regional Planning Commissions – Sara Siskavich | | | | | | |
| ABSENTEES: | 1. DOC – Linda Socha | | | | | | |
| ITEM # | AGENDA | | | | | | |
| I. | Welcome – DoIT Commissioner Denis Goulet, committee chair | | | | | | |
| II. | Motion to accept minutes from 2/24/2017 meeting | | | | | | |
| III. | US National Grid Geographic Reference Presentation – GIS Administrator, Department of Safety/Division of Emergency Services & Communications – Sean Goodwin, E-911 | | | | | | |
| IV. | Budget and Spend Governance – Commissioner Goulet | | | | | | |
| V. | Clarification on respective roles of the IT Council and GIS Committee – Commissioner Goulet | | | | | | |
| VI. | Motion to Adjourn | | | | | | |
| ITEM # | MINUTES | | | | | | |
| I. | Welcome – DoIT Commissioner Denis Goulet, committee chair <ul style="list-style-type: none"> • At 12:35 pm, Commissioner Goulet welcomed all; members introduced themselves at his request. Commissioner Goulet introduced his new assistant, Lois Monette. • | | | | | | |
| II. | Motion to accept revised minutes from 2/24/2017 meeting <ul style="list-style-type: none"> • Commissioner Goulet called for a motion to accept the revised minutes from the 2/24/2017 meeting; minutes were approved unanimously by voice vote. | | | | | | |

| ITEM # | MINUTES |
|--------|---|
| III. | <p data-bbox="302 159 1419 226">US National Grid Geographic Reference Presentation – GIS Administrator, Department of Safety/Division of Emergency Services & Communications – Sean Goodwin, E-911</p> <div data-bbox="302 260 812 600"><p data-bbox="334 285 480 315">What is it?</p><ul data-bbox="334 331 769 546" style="list-style-type: none">▶ A geographic reference grid▶ Also known as the Military Reference Grid system (MGRS)▶ Adopted by the Federal Geographic Data Committee (FGDC) in 2002▶ USNG is a Presentation Standard. It does not replace data storage formats for either Geographic Information Systems (GIS) or the State Plane Coordinate System (SPCS) for engineering and survey applications. (from FGDC)</div> <div data-bbox="302 638 812 978"><p data-bbox="334 655 711 684">How can it be used in NH?</p><ul data-bbox="334 688 789 949" style="list-style-type: none">▶ It can be used by the State in a large emergency or disaster to interoperate with Federal or other State mutual aid agencies.▶ It can be used as an internal reference ID for multiple features attached to a property or address.<ul data-bbox="350 819 789 907" style="list-style-type: none">◦ Requires a 15 character alpha/numeric ID field for 1 meter precision for effectiveness◦ Requires precision location equipment and system granularity including data storage enforcement of 15 character data inputs▶ It is not a replacement for street address or latitude longitude location storage.</div> <div data-bbox="302 1016 812 1386"><p data-bbox="474 1033 652 1062">Conclusions</p><ul data-bbox="334 1066 802 1352" style="list-style-type: none">▶ Great interoperable reference system for the nation.▶ Data precision and utilization standards are critical for accurate location information management.<ul data-bbox="350 1125 753 1226" style="list-style-type: none">◦ 19TBH9382486922 single line USNG address search◦ 19T BH 93824 86922 stored in sub part components 1 meter resolution◦ 19T BH 9382 8692 broken into its sub parts for 10 meter resolution◦ Changing precision from a 15 character address to a 13 character address is not simply removing the last 2 characters.....▶ Commercial system operations requiring location services continue to utilize latitude and longitude derived from global positioning systems.▶ More info available at https://usngcenter.org , https://www.fgdc.gov/usng</div> <p data-bbox="302 1428 448 1457">Comments:</p> <p data-bbox="302 1461 1386 1549">Commissioner Goulet – asked for clarification: Does US Military uses it for the entire globe?. Major General Reddel confirmed yes, and anyone trained in the military that is now in civilian first response would understand and know how it is implemented.</p> <p data-bbox="302 1583 1211 1612">Mr Marino – You can bring a feature class into a map screen and overlay the USNG.</p> <p data-bbox="302 1646 1419 1709">Gen. Maj. Bill Reddel - What will happen when there is no electricity? We will go back to using maps. They will not be accessible after the power goes out. We should have a stock of paper maps just in case.</p> <p data-bbox="302 1738 1435 1801">Sean Goodwin - USNG is overlaid on a map screen and data can be communicated in a USNG format; we could experiment on printing out the maps with the USNG overlay.</p> <p data-bbox="302 1831 555 1860">General Comments:</p> <p data-bbox="302 1864 1435 1948">Concern over some first responders not being trained or familiar with it, as opposed to lat/lon. If everyone is using a different reference system it would be useless. Also need to understand how it is implemented to avoid mistakenly truncating values, which would result in considerable errors in locational coordinates.</p> |

Need to recognize difference between using NG as a reference system for presentation purposes, and using it as a coordinate system for data storage. There should be little opposition to using it only as a reference system.

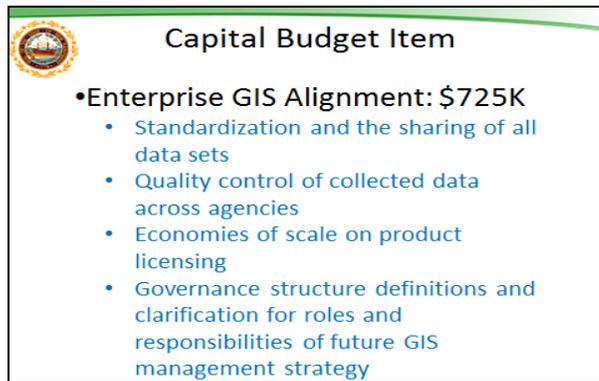
Possibly recommend NG as a storage system for critical infrastructure.

When we need information at a reference point on a map or grid the information has to be in a format that is understandable around the board.

We have the data already available to go to in an emergency, but we need the tools and awareness to give us the ability to move between systems.

We need to make smart tool selections.

IV. Budget and Spend Governance – Commissioner Goulet

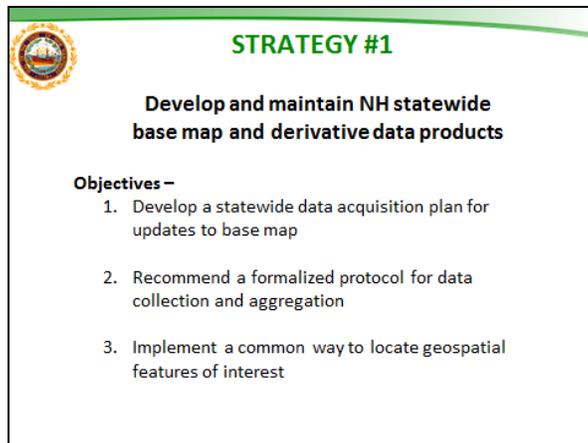


Capital Budget Item

- **Enterprise GIS Alignment: \$725K**
 - Standardization and the sharing of all data sets
 - Quality control of collected data across agencies
 - Economies of scale on product licensing
 - Governance structure definitions and clarification for roles and responsibilities of future GIS management strategy

- Commissioner Goulet presented that he would like to utilize the \$725K before the end of the current biennium.
- Commissioner Bailey suggested instead of having another subcommittee to decide on how to spend the funds, that input from the whole group would be more efficient.
- The Strategic plan as informed by GTAC-aligned priorities will drive the spending decisions.

V. Updates on Priorities – GTAC Chair Ken Gallager and GTAC Members



STRATEGY #1

Develop and maintain NH statewide base map and derivative data products

Objectives –

1. Develop a statewide data acquisition plan for updates to base map
2. Recommend a formalized protocol for data collection and aggregation
3. Implement a common way to locate geospatial features of interest

- **Strategy 1:** Now calls for a plan for the regular acquisition of base map imagery and derivative data products. We have also added an item under Strategy 1 that calls for the GIS Committee (not the GTAC) to explore the feasibility of a New England-wide consortium for acquiring such imagery, in order to save on cost. Note that point was made the strategy includes derivative data products and we should not focus solely on imagery.



STRATEGY #2

Designate an official state GIS clearinghouse for curated, public-facing GIS data

Objectives

A. Pursue a long-term contract with a state GIS clearinghouse to:

- i. Store, manage, and provide access to enterprise geospatial data sets
- ii. Develop and promote task- and cost-appropriate tools to analyze and display data

B. Increase outreach to all stakeholders to promote awareness and use of enterprise geospatial data sets

Areas of further exploration:

- Common GIS presentation tools and platforms that exist through vendor agreements
- Training opportunities to take full advantage of these platforms

- **Strategy 2:** Has new, more active wording. Rather than “identify the best solution” for a GIS clearinghouse, the strategy is to “pursue a long-term contract” with a state GIS clearinghouse. The clearinghouse would store, manage, and provide access to enterprise geospatial data sets. The remainder of the changes mostly involved rearrangement and merging of some tasks, but ultimately no other tasks have been added or removed compared to previous versions of the strategy.



STRATEGY #3

Promote efficiencies in the use of GIS technologies in New Hampshire and the larger New England region

Objectives

- A. Develop best practice guidelines for data collection, storage, and management
- B. Identify software licensing and managerial solutions to support agency workflows
- C. Consider existing industry standards and apply when appropriate

- **Strategy 3:** Now calls for the promotion of GIS efficiencies in “New Hampshire and the larger New England region”, rather than just “among state agencies”.



**Summary of Recommendations:
Two-Year GIS Action Plan**

Outputs

1. A sequence of steps or activities that must be taken for each objective to support respective strategy.
2. Three major components:
 - Specific tasks & by whom
 - Time horizon
 - Capital & human resources needed

Required outcomes

1. GIS Committee review, amend & adopt
2. Identify available resources to implement
3. Report to Legislature

Resource requirements

1. Assigned point of contact for overall coordination
2. GTAC working group or outside resources
3. Availability of agency staff resources or funding of outside resources

- **Summary of Recommendations:** Has been updated to more specifically request GIS Committee support in (1) identifying resources (personnel or funding) in support of the strategies; (2) directing the GTAC to focus in detail on Strategy 1, while continuing to start fleshing out Strategies 2-4; and (3) reporting to the legislature on action plan progress.

IV. Clarification on respective roles of the IT Council and GIS Committee – Commissioner Goulet - Tabled

IX. Motion to Adjourn

- Commissioner Goulet requested a motion to adjourn; motion was made and seconded, and the meeting was adjourned.

| ACTION ITEMS | | | |
|--------------------------|---|--------------------|-----------------|
| ITEM # | DESCRIPTION | Assigned To | Due Date |
| II. | Post approved minutes from 2/24/2017 meeting. | L.Monette | |
| NEXT MEETING: TBD | | | |