DOI Executive Workshop on Geospatial Information Systems

*** Break out sessions   Group I ***

What programs represented in our Group??
>   Geospatial One-stop
>   National Map
>   Recreation One-stop
>   National Spatial Data Infrastructure

Geospatial Information Requirements

1. How are GIS/geospatial technologies used in your program?
>   Geospatial One-stop
>>   Government to Government
>>   Government to Citizen
>>   Crosses all lines of Business
>>   Multiple service linkage
>>   Administers federated catalog
>>   Service and data replication and access
>>   Caching
>>   Publishing metadata
>>   - Sites
>>   - XML files
>>   - SDI Collection
>   National Map
>>   Government to Government
>>   Government to Citizen
>>   Trusted source requiring robust delivery
>>   Multicasting
>>   Bandwidth will grow exponentially
>>   Service and data replication and access
>>   Caching

2. What are the greatest gaps in geospatial information needs?
   - Router based failover for applications and data access
   - Relating information due to events
   - Common alert protocol
   - Need checklist/how-to guide on how to participate/publish in GOS
   - Authenticated data sources that are easy to find.
   - Visual display of themes that link to supporting data
   - Identifying "Experts" – Data Stewards
   - Interface MAXIMO to National Map
   - Rely on "Use Case" approach that is tied to lines-of-business to flush out domains/requirements

- o Example: Research
- Local cache to maximize access.
- Mobile computing refresh
- Geology needs to be 3-D
- Development of sensor nets
- Expandable services
- Trusted routes for "emergency" access
- Non-connected operations
- Overlay routing on wide area networks
- Rights management
  - o E-Authentication of both customers and servers

3. What cross-cutting functionality (tools) are you needing:
   Viewshed
   Proximity buffer
   Red Line
   Profiles
   Routing
   Geo-fence
   Geoprocessing
   Boolean Queries
   Find and identify
   Where am I (GPS)

4. What geospatial technology do you need?
   Web services
   Visualization
   Generate output maps
   Generate input datasets
   Use of GPS
   Spatial analysis
   Use of mobile computing

Infrastructure Requirements

1. What do you expect the DOI network infrastructure to do for your program/initiative?
   a. More decentralized loosely connected ArcGIS desktop operations (i.e. increased access to required software and data on individual desktops)

   or

   More GIS operations supported by National applications (i.e. more workflow standardization and centralized operations)

   b. More sharing of data resources between agencies?
      - maintain independent analysis capability

- dependancy on web apps and web services
- role-based security
- Better data standards, data integration with other business systems, and interoperability between user workflows?

EGIM Initiative

These questions are focused on polling the participants about how the EGIM initiative might better support the GIS users in the Department. The list is incomplete, but intended to provide an example of questions related to the items defined in the business case.

1) What improvements in GIS training would better support your use of GIS?

   Provide enterprise-level training.
   Promote available training tools (Virtual Campus)

2) What improvements in GIS support (e.g. help desk, knowledge base) would better support your use of GIS?

   Provide/expand enterprise-level help desk and knowledge base support.

3) What data management issues are you facing that might be better supported through an enterprise approach to GIS within DOI?

4) What GIS/geospatial issues are you facing that might be better supported through an enterprise approach to IT within DOI?