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FMTF GIS Committee Meeting Agenda

**Date: Thursday, November 20, 2008**

**Time: 1:30 – 4:00 P.M. EST**

**Where: Web Conference**

 **Agenda items:**

* Introductions

*Vidya Mysore, Systems Planning, FDOT*

*Lina Kulikowski, GIS Committee Chair*

* “Citilabs’ vision for ArcGIS integration into the Cube platform and briefing on Cube Enterprise Geodatabase and ArcView extension for Cube Voyager”

*Matthew Martimo and Minhua Wang, Citilabs*

* “Development of the Prototype GIS System for Transportation model Network for FSUTMS”

*Dr. Albert Gan, FIU*

* "Turnpike Enterprise Use of TeleAtlas GIS Data for Transportation Modeling"

*Eric Songer, URS*

* Discussion / Follow Up on GIS-Modeling issues from previous MTF meeting held on 2/12/2008 – see below

Following is a list of those GIS issues we discussed at the last MTF-GIS meeting on 2/12/2008:

1. Reevaluate GIS-TM functionalities

a. What functionalities does the user community want from the previous FSUTMS GIS-TM?

b. Some of the areas identified earlier are GIS-TM Session management, network editing functions, GIS-TM layer display / symbology standards, LOS calculation, network comparison, and GIS-TM Geodatabase framework.

c. Discuss with Citilabs which of these functionalities can be incorporated in the next release.

2. Develop metadata standards for the new Cube Geodatabase. This will tremendously improve the usability of model databases.

a. Develop a simple metadata template for incorporating model metadata into the Geodatabase.

b. Specify minimum required metadata for any model related data stored in the Cube Geodatabase and develop a strategy for enforcing this minimum metadata requirement.

c. Discuss with Citilabs if they can provide a user interface managing standardized model related metadata to the Cube Geodatabase and helping to enforce metadata requirements.

3. Evaluate the new projection method that Cube 5 has implemented.

a. Come up with a plan for a new way of specifying projections in Cube 5 borrowing ideas from GIS-TM.

b. Is it possible to have an equivalence table of model names and their standard projections, so that users have to only select the model by name and Cube handles the selection of the appropriate projection from the equivalency tables?

4. PC walk file creation. With the incorporation of the new geoprocessing functions inside Cube, can we create the necessary scripts to generate the PC walk file inside Cube 5. Can the ArcGIS Geoprocessing framework be used to automate the PC walk file creation process?

5. Evaluate the need for model visualization tools.

a. With the model data in Geodatabase, it is possible to develop tools such as desire line tool, statistical tools to analyze model results, etc. Evaluate the need for such tools.

b. Can this be built in ArcGIS? Should this be part of the Cube interface?

6. Coordinate with Citilabs in their plan for network based database support for modeling data. How does FDOT’s Enterprise GIS framework fit into this?

7. Training modelers in effective use of GIS tools.

a. Develop a list of GIS tools (both standard and custom made) that are useful for the modeling community.

b. Develop a strategy for effective communication of these tools and methods through the FSUTMS website.

c. Evaluate the need for a training workshop for modelers in the effective use of GIS related tools and techniques.

d. Evaluate the need for including a section on using VBA scripting techniques in ArcGIS to automate many model related tasks.