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FMTF GIS Committee Meeting Minutes

**Date: Tuesday, February 12, 2008**

**Time: 9:30 – 10:30 A.M. EST**

**Where: Web conference**

**Attendees List:**

**Lina Kulikowski Broward MPO**

**Nellie Fernandez Palm Beach MPO**

**Paul Larsen Palm Beach MPO**

**Vidya Mysore FDOT Systems Planning**

**Ilir Bejliri University of Florida**

**Keli Paul Cambridge Systematics**

**Colby Brown Citilabs**

**Hoyt Davis Gannett Fleming**

**Mary Stallings Grimail Crawford**

**Santanu Roy HDR**

**Vikas Jain Jacobs-Carter Burgess**

**Daniel Miller BCC Engineering**

***Welcome and Introduction***

* *Lina Kulikowski, GIS Committee Chair, offered some preliminary goals to be considered for the next MTF meeting:*
  + *Using the GIS-TM geodatabase framework, developed a preliminary geodatabase, with metadata, using data from an existing Florida model.*
  + *Show the benefits of sharing ArcMap documents between CubeGIS and ArcGIS.*
  + *Demonstrate existing GIS tools and solicit input from MTF members for additional GIS tools to be investigated and developed.*
* *Vidya Mysore, FDOT Systems Planning*

***Cube Progress, Colby Brown, Citilabs***

* *PowerPoint presentation available online at FSUTMSOnline : Model Task Force : GIS Committee*
* *Presented responses to comments made by GIS Committee in December and new features in Cube 4.2.x*
* *In addition to what was presented in the PowerPoint presentation, the following topics were discussed in further detail:*
  + *Annotation features classes are currently not fully supported. However, they will be in Cube 5.1 if not 5.0. The GIS Committee noted that annotation is needed for better control of where to place labels and faster speed although many users are not using the full functionality of annotation.*
  + *The geodatabase (GDB) schema file documentation will not be provided by Citilabs as it is proprietary information and is a moving target. However, Citilabs did include a PDF in the PowerPoint presentation of a simple abstract flow chart.*
  + *Colby will confirm whether a node is still needed in the highway network if it is included in the transit network in order to display the transit network (due to node need for node coordinates). If this issue remains, Citilabs may include a checker.*
  + *Colby asked the GIS Committee if a licensing option to edit Cube networks in GIS (extension in ArcGIS for Cube) should be considered and the GIS Committee responded yes.*

**GIS-TM Geodatabase Progress Over Last 4 Years, Vidya Mysore, FDOT Systems Planning**

* The latest version of GIS-TM is based on ArcView 8x from 2002.
* Vidya provided a demonstration of transit and highway network editing using GIS-TM
* Colby stated that the LOS Calculation and Network Comparison tools in GIS-TM can be developed as an extension to Cube or a button or menu item. Since these are processes specific to Florida, they will likely be developed as an application or utility that would be added to the installation for FSUTMS. Colby does not anticipate it being a burden for Citilabs to support those functions.
* The Cube GDB Manager may replace the GIS-TM session management framework in Cube. Lina asked the GIS Committee to review the “key” function in Cube to determine if it addresses the functions of the GIS-TM session management framework. Colby noted that Voyager could be used to create a Cube application inside the catalog file to set up a GDB scenario which would import the features needed in the GDB becoming the focus of the model from then on forward. Lina asked Colby to review the GIS-TM session manager table and variables and report back to the GIS Committee at the next teleconference to discuss how it can be addressed. Lina, Vidya, and Colby will hold a separate meeting.
* Lina requested that the GIS Committee members share their thoughts on the GIS-TM framework benchmarks with Lina and Vidya.
* **Action Items**
* Colby, Lina, and Vidya to review GIS-TM session manager component.
* Colby to determine the feasibility of incorporating the LOS Calculator and Network Comparison tools in Cube.
* Vidya to have someone develop symbology standards for layer files.
* Think about how to handle projection files when importing an existing Florida network as the scaling factor must be incorporated. Colby will check the modify projection button in Cube.
* Colby to review the GIS-TM network editing functionalities and identify those to be incorporated into CubeGIS.
* Vidya to send Keli UML diagram for GIS-TM to forward to GIS Committee. The UML diagram is also available online at FSUTMSOnline : Model Task Force : GIS Committee
* GIS Committee members to become familiar with UML diagram for GIS-TM and GDB structure and discuss at the next teleconference for further modifications.
* Vidya, Colby and Lina to import Broward model into a GDB.
* Next GIS Committee teleconference scheduled for Tuesday, April 22, 2008 from 1:00 – 3:00 PM EST. Colby will invite programmers from Citilabs to the next meeting.