

AIMS Coordinators Meeting Minutes

1/10/2008

Host: ESRI

Location: Johnson County Central Resource Library

General Announcements

- AIMS will be hosting a small communities focus group in February.
- Johnson County Emergency Dispatch is looking for dispatchers. Contact Mark Whelan

AIMS dataset updates

- Dan Steen displayed a couple of ways that LIDAR information is being utilized in the Johnson County Online Mapping site: the first way he showed was by hovering over a spot in the online mapping site for 3 seconds, when a user does this the roughly 1 billion LIDAR points are queried and the nearest elevation is then displayed in the status bar of a users web browser. The second way that Dan showed LIDAR being used is in the information window which “pops up” after a users identifies on a property, in this window if you select the location tab you will see the elevation for the LIDAR point which is closest to the parcels centroid.
- Paul Brandt brought to the groups attention changes which have occurred within the Johnson County centerline file
 - Street responsibility field has been added, this tells whether a given segment is public or private.
 - Two address type fields LaddType and RaddType have been added.
 - Feature codes have now been replaced by full text descriptions.
 - There is now a centerlineXL file which contains centerline information for Miami County.
- Shannon Porter explained to the group the timeline for planimetric capture, he said that AIMS expects to receive contour data by the end of February, subsequent work will be necessary for the contour data to be a finished product.

ArcPad 7.1

- Dan Haag from ESRI explained and gave a demonstration about ArcPad 7.1. Dan stressed that ArcPad is a mature ESRI solution for field data collection. Dan presented on some of the major enhancements which ESRI has built into the latest version of ArcPad, these include:
 - ArcPad now supports editing data with relationships, more than ever ArcPad allows users to take fully functional pieces of their geodatabase into the field.
 - ArcPad now has the ability to create a “Quick Project” which allows users to rapidly create a template for ArcPad editing. When creating a “Quick Project” ArcPad automatically generates a point, line, and polygon shapefile which are automatically setup up for editing in the field. This enhancement to ArcPad is perfect for situations where time is critical and a user just needs to collect data.
 - ArcPad 7.1 now comes with a “Street Map” extension which gives users a United States’ wide centerline file that can be used for geocoding or navigation.
 - Querying in ArcPad 7.1 is enhanced.
 - ArcPad now uses a .axf (ArcPad Exchange File) file to store information out the project being checked out. The .axf file stores all of the information about a project and it can be created via script.
- After explaining many of the enhancements which ArcPad 7.1 has, Dan ended his ArcPad section with a demo which displayed editing data with relationship classes in ArcPad.

ArcGIS Mobile Developer Framework

- Dan Haag presented to the group an introduction into ESRI's mobile developer framework, he brought up a variety of different topics which include:
 - ArcGIS mobile is only available to ArcGIS Server Enterprise Advanced licensees
 - ArcGIS mobile is geared towards a variety of different work flows; it can be run on devices from a smart cell phone to a tablet pc.
 - ArcGIS mobile supports direct connection to ArcGIS Server web services, this allows for a live connection to an ArcGIS Server.
 - ArcGIS mobile must be run on a device which has some type of Windows framework
 - ArcGIS mobile applications have what ESRI calls a "Map Cache" which allows a mobile device to continue to work even when it does not have a connection to a given resource or web service, the device continues to work in a disconnected state saving its changes to the "Map Cache" then when it regains connectivity to the ArcGIS server it can transfer to or receive information from the server.
 - ArcGIS mobile devices can utilize a "Map Extractor" to transfer initial project data to a device so that it does not have to transfer all of this initial information across a network.
- Dan did a demo with a Dell hand held device which displayed how data stored in an ArcGIS Server geodatabase could be edited with a mobile device running an application built upon the ArcGIS Mobile Framework.