

Meeting Description: Michigan Geographic Framework Users Meeting

Date: February 1, 2001

Time: 10:00 a.m.

Location: Romney Building, 10th Floor, Michigan Information Center Conference Room

I. Approval of January Meeting Minutes

II. Geographic Framework Program

A. Phase 2 Status

Rob Surber, Michigan Information Center (MIC), distributed a current framework status map. Both Shiawassee and Hillsdale Counties will be fully seamed at county lines by the end of today. MIC is finishing Phase 2 work in Wayne and Oakland Counties and expect to get Macomb County from MDOT by the end of the week. Upon receipt of Macomb, then will be able to finish St. Clair County as well. The trunkline attribution is completed in Wayne County and MIC is getting ready to add physical reference (PR) numbers to the county. MIC has reached identity point in Wayne County and essentially will be correcting road names in the City of Detroit from an official road name list. Oakland County has reached identity point and MIC is now fixing road names to make sure they are official. Wayne County will probably be completed in March and Oakland would be completed the end of this month. MIC plans to take care of Wayne and Oakland county lines before sending to Michigan State Industries (MSI). MIC will coordinate with Michigan State Industries (MSI) and split the counties into as many coverages as MSI has staff to work on it.

Bill Enslin, Michigan State University (MSU) Center for Remote Sensing and GIS, asked how the partnership with Wayne County is going to work.

Rob Surber, MIC, responded that Wayne County is producing a better set of centerlines to the topological standards and rules that the state has come up with to support their network routing. Delores Mueller, Wayne County, is working on conflation techniques and tools needed to take MIC work and put to Wayne County's better line work. They will have a repositioned set of lines and MIC is working on anything that Wayne County would need to do to add to that and how to get it back into framework.

Everett Root, MIC, added that Delores is looking at Wayne County line work and making changes so that it can match framework rules. Their line work was created to be automatic from an ortho.

Rob Surber, MIC, commented that there might be a slight differences especially around ramps and bridges.

Everett Root, MIC, stated that Delores is making every effort to make it a one-to-one conflation. She is piloting a township area.

Rob Surber, MIC, commented that Wayne County is still testing procedures. Will probably be a year or so until all of the state's work is fully integrated into the Wayne County product.

Everett Root, MIC, stated that MIC has had access to Wayne County's ortho photos as MIC did Phase 2 and have done quite a bit of repositioning thus far.

Rob Surber, MIC, added that MIC did a lot of corrections so that conflation would be less complicated.

Carol Woodman, Michigan State Industries (MSI), asked if Oakland and Wayne Counties would be split around a city?

Rob Surber, MIC, responded that they would probably split them by community.

Carol Woodman, MSI, added that Act 51 maps for Oakland County are difficult to use because they are not done like other counties in the state.

Rob Surber, MIC, responded that MIC would consider MSI's suggestions to make their work easier as long as MIC can achieve what they need to do.

Carol Woodman, MSI, asked if their FoxPro program would work under these changes.

Everett Root, MIC, responded that everything would be identical. The issue will be when nodes are added, to make sure that they are uniquely identified.

Rob Surber, MIC, added that the MIC expects to have Ingham, Jackson, and Lenawee done in a week or two. All counties on the west side of those are done.

B. Polygon Build / Act 51 / Seaming Update

Rob Surber, MIC, reported that when MIC has Macomb County, they would build all the Macomb County polygons – tracts, block groups, school districts, etc. It takes about a day or so to complete.

C. Repositioning Update

1. Standards Document

Rob Surber, MIC, distributed a draft handout of the Principals for Repositioning that is also on listserv (except for the first page). MIC is moving existing features in framework; some came from Michigan Resource Information System (MIRIS) and some from Topologically Integrated Geographic Encoding and Referencing (TIGER). Will not add new features as they go through this process, will be correcting positions and flagging areas that need further work as part of the maintenance program. They are changing some of the coding. Photos represent applications of principals. This document represents just the roads. They will add hydro, shoreline, and non-visible boundary-type features. E-mail will be sent when something new is added to the web document. There will be positioning issues (Great Lakes shoreline, marinas, trails, forest roads, etc.) related to interpretation and the business partners will be involved to provided guidance. TIGER and MIRIS conflict on some of the 2-tracks. MIC is correcting what is there. MIC is highlighting where they think more investigation by business partners is needed. Marinas will have a flag to investigate later – will also flag piers, slips, breakwaters, etc. If anybody notices anything else that should be flagged, please advise Rob. Don't want to slow down the process too much, but will pick up as maintenance later this year. Would like to firm up the Principals for Repositioning later this month so that staff may begin working on this. MIC is also working on quality control procedures. The goal is to be consistent from county-to-county and have a consistent framework product. Michigan Department of Transportation (MDOT) is supporting this accelerated work process and would like a one-time mile point correction on local roads. MIC's work will continue over the next year.

D. Digital Ortho Update

Gary Bilow, Michigan Department of Natural Resources (MDNR), distributed a status map of the United State Geological Survey's (USGS) Digital Ortho Photo Quadrangles – '98 Series. There are about 4,800 ortho photos in the state. MDNR has 2,300 1992 vintage, are working on the 1998 series and about 3,200 are in production. There are big gaps in the northern Lower Peninsula. Hope that the Huron Manistee National Forest will come up with the money to fill in that gap from 1998 NAPP photos. The Forest Service is producing ortho photos for Hiawatha and Ottawa National Forests. Natural Resources Conversation Service (NRCS) has \$200,000 budgeted for digital ortho photo replacement.

E. Imagery Program

Eric Swanson, MIC, reported that some stakeholders (state agencies, regions, counties, and universities) that are involved in acquiring imagery would meet later to discuss coordination acquisition and dissemination of imagery. National Aeronautics and Space Administration (NASA) funding will help start the program and NRCS has funding this year. Everybody is interested doing something sometime and are all spending a lot of time to accomplish it. Want to get players together and begin brainstorming about to more officially acquire imagery for statewide programs' application development. Can it be done in a timely manner to meet the application demands of the agencies? Can the stakeholders work together institutionally – can they cooperate at a state level to a region level to a county level to a university level? What type of restrictions may there be?

III. Michigan Department of Natural Resources (MDNR) Projects and Activities

Gary Bilow, MDNR, reported that Michigan State Industries (MSI) scanned railroad valuation maps. There are 500 miles of railroads that have been converted to recreational trails. Right-of-way is important to find out who are managing them and the width to know if somebody is trespassing. Valuation maps are hand-drawn with all that information and 2 feet by 56" long. Now MDNR is matching scanned images to old railroads as shown in MIRIS. Quality of scans seems good. They do need to discuss file size – looks like the same dots per inch (dpi), but on one it may be 4 megabytes and another may be 456 kilobytes. MDNR has approximately 500 maps to reposition.

IV. Michigan Department of Transportation (MDOT)

Joyce Newell, MDOT, reported that they are waiting for CDs that have the 'as built' scanned plans. When they receive them, will then send to MSI to reference to framework. MDOT is reviewing seaming north region to be sure that attribution has remained in tact. MDOT is starting to work with Alden Leatherman's, MIC, program to input the highway pavement management system (HPMS) roadway segments information using framework to track mile points that make up each segment in order to keep same segment for random segmentation identification when reporting to the feds.

Rob Surber, MIC, stated that the program was written for Arc 8 in ArcObjects.

Joyce Newell, MDOT, stated that because Arc 8 has bugs in it, there are bugs in this program. When reviewed and working effectively, it will go to MSI.

Rob Surber, MIC, added that this is a one-time thing to create a link to tie segments for federal reporting into framework.

Joyce Newell, MDOT, reported that MDOT met with REGIS and MIC. REGIS's geographic information system (GIS) project is getting funding from MDOT. One MDOT criteria is that the project must be compatible with framework. REGIS is doing a complete GIS project. Did not get total buy from all counties – they are charging a fee to every township and city that wants to buy in. They have probably every major urban area is covered, couple of the cities, and one or two of the outlying townships. The county road commission is helping to fill in the centerline information from outside of the metro areas.

Rob Surber, MIC, added that REGIS is starting from scratch on their referencing. MIC wants to make sure that they can exchange data from the transportation management system (TMS) and back again.

Joyce Newell, MDOT, commented that REGIS is anxious to have a partnership where they would continue to keep it up-to-date and feed back via MIC.

Rob Surber, MIC, stated that part of the issue right now is data exchange.

Joyce Newell, MDOT, added that the agreement with REGIS included PR mile points, which have not been started yet. They plan to be done with the project by October. MDOT has a meeting scheduled with their map database people and want to be able to reference highway jobs to framework. If there is an agreement, the work will probably go to MSI. MDOT is still pursuing the PR and section control atlas. MDOT expects to have Macomb County back from the National Functional Class (NFC) editors this week.

Carol Woodman, MSI, asked if MSI would need ArcObjects to do their work on HPMS.

Rob Surber, MIC, responded that it is a compiled program – it is all set up.

V. Michigan Department of Environmental Quality (MDEQ) Projects and Activities

Steve Miller, MDEQ, reported that MDEQ would be meeting with county health departments about the Source Water Assessment Project. MDEQ has been working Bill Enslin's, MSU Center for Remote Sensing and GIS, who is developing the viewer software to take MIC data and turn out into format that the counties are familiar with. This will be distributed this month. There is good participation and they are very interested in. Bill Enslin's, MSU, staff and the GEM Centers would help install software. The counties will see other applications for the software and the data. Would also meet with counties regarding a vulnerability map for counties that don't have ArcView, but want to look at data digitally. Dave Lusch, MDEQ, has been compiling elevation and direction of ground water flow data. This data will then go back to the counties for evaluation. Until they got to Kent County, assumed that all it was all 30-meter grid elevation data, Kent County is old information. This is a real concern when comparing water shed boundaries, because some counties are 30 meters and some are 10 meters. Went to a meeting in Chicago regarding hydrological unit codes (HUC). They are using with digital elevation model (DEM) information. The entire state is now covered with 30-meter except for Leelanau County which available in 10 meter. But they would bring this back to a 30-meter source. Then would have coverage for the state at 30 meter. Will document Metadata better than were able to in the past. A lot of places are looking for more detailed resolution. Kent County Health Department is getting 1-meter grid elevation data. Rob Surber and Steve went to a meeting in Chicago regarding hydrologic unit code (HUC) mapping. It was a spatial data committee in conjunction with Federal Geographic Data Committee

(FGDC) that is trying to get consistent watershed boundary and a numbering system for the entire country. Natural Resources Conversation Service (NRCS), United States Geological Survey (USGS), and Environmental Protection Agency (EPA) are involved. Tools were provided to work with. Moving from 14 digit HUC to 12 digit HUC. This will bring it down to a sub-watershed basis of approximately 20 miles. Now working on that number system as a consistent numbering system and will apply to Reach files. Hope to get with the hydrologic studies program and hope they will have time to work on. The national elevation dataset is at: <http://edcnts12.cr.usgs.gov/ned/> The hydrologic derivatives are at: <http://edcnts12.cr.usgs.gov/ned-h/> The National Weather Service's is running the entire country with a model developing watersheds and sub-watersheds down to the two square mile area based on digital elevation models (DEMs) for flood forecasting. These tools are available and a lot of data is coming. It was a good meeting.

Rob Surber, MIC, added that we must consider the vertical integration of linear hydro features with the current watershed boundaries especially as we re-align framework. The national hydro datasheet (NHD) projects (1:100K to 1:24K) in the Macatawa / Black and River Rouge areas are important parts in this framework hydro initiative and we need to keep pushing USGS to complete this.

Steve Miller, MDEQ, commented that there is a big push to finish the watershed numbering system. Once that is defined, then they will probably look at the Reach connection.

Rob Surber, MIC, added that at some point, will want to make sure that there is a smooth transition to framework.

VI. Michigan State Police (MSP) Projects and Activities

Eric Nischan, Michigan State Police (MSP) Emergency Management Division (EMD), reported that they have installed their servers and will get ArcIMS up and working within the next couple months. An Information Technology (IT) steering committee at MSP will be putting together a GIS working group within MSP to coordinate efforts. At the meeting there was clarification that to use framework they also need software.

Eric Swanson, MIC, stated that MIC would be happy to present and discuss with that group about where MIC is at with framework. MIC has a meeting with corrections soon to look at a pilot project for mapping parolees and parole officers for city of Lansing. The goal is to pursue ideas how state and local governments can better manage parolees and parole officers. This project could dovetail into MSP initiatives.

Eric Nischan, MSP, asked if MIC has talked to LEAMS about this pilot program. NTG Consultants are working with MSP.

Rob Surber, MIC, responded that he has presented to the MSP Data Action Team, which LEAMS has a connection to.

Eric Nischan, MSP, stated that MSP is trying to steer LEAMS to MIC to discuss framework. A presentation would be useful.

VII. Michigan State Industries (MSI) Projects and Activities

Carol Woodman, MSI, had nothing new to report.

VIII. MIC Projects and Activities

Rob Surber, MIC, reported that SDE is up and running with framework in a geo database on both the Oracle and SQL servers. Still have questions for ESRI on data model issues and how to maintain framework coverages (intersections and nodes) and how to do it in the geo database. A staff person has been assigned to work on this full time. Bill Enslin, MSU, brought up the issue of field level as a reserved field in SDE in the framework will probably have to be changed. The SWLD continues to move forward. MIC has mapped the MDNR park facilities. MIC is locating point features with names and unique identification for facilities. Rob shared an example of a Gas Utility Survey Form. The Janet Phipps, Director of Michigan Department of Management and Budget, is sending a letter to all state department directors with a list of facilities (including leased facilities) currently within SWLD. The list will show the electric supplier, annual usage, and miscellaneous

information for each facility (anything with meter associated to it). Over 6,000 structures have been identified so far. This will help us determine if we have all the facilities. Management would then use this list to pick a utility provider as part of the new deregulation. Geographic queries will be available by county, city, and township.

Jim Rogers, SEMCOG, stated that SEMCOG continues working with employer files. The big challenges are geocoding and breaking out number of multiple establishments where people don't voluntarily report and getting the number of state employees, buildings and square their footage at each location. Is it possible to get those attributes associates with the facilities? SEMCOG would be interested in actual data as opposed to rough estimates.

Rob Surber, MIC, responded that he would check into it. The Office of Property Services maintains some measure of employees and MIC has some of the other information. Krisanne Rankin, MIC, sent some information to Kevin Johnson, SEMCOG. Rob will follow up on exactly what was sent. MIC is also expecting to get TIGER files within the first few weeks of February. MIC plans to populate framework with tracts and block groups into the file as quickly as possible. MIC has been working with 1999 TIGER with the Redistricting Project and see that a lot of census features- trails and questionable boundaries – have been taken out. MIC is hopeful that because of the extensive work done by adding roads in framework, that most of the block boundaries to support the building of blocks and tracts are already in the Michigan Geographic Framework (MGF).

Jim Rogers, SEMCOG, asked Rob to discuss the timing.

Rob Surber, MIC, responded that when doing Phase 3 (polygon build, Act 51, seaming process) work, MIC would also do work on TIGER polygons before the counties go to MSI for additional MDOT attribution. Expect Oakland County to be done the end of month and Wayne County to be done the end of March.

Everett Root, MIC, added that MIC would do the 1999 and 2000 census boundaries down to the block group at same time.

Rob Surber, MIC, commented that the seaming of the 8-Mile corridor would be done at that time as well.

Everett Root, MIC, added that MIC has lined the two counties up as much as possible, but doesn't think there is a definitive answer as to where the county boundary runs in relationship to 8 Mile and the drive lines. The best information available has the county boundary splitting the two drive lines of 8 Mile. MIC will use that standard unless it hears otherwise.

Gary Bilow, MDNR, asked if 8 Mile is a state highway and if that information would be in the road design plans. Most MDOT design plans are tied to survey corners are that may be a good place to start.

Rob Surber, MIC, commented that MIC has been trying to work with the counties because the framework is to their best interest. But would bring that idea into discussions with Wayne and Oakland.

IX. MSU Center for Remote Sensing and GIS Projects and Activities

Bill Enslin, MSU, reported that they are getting ready to distribute the viewer and data sets. This has frozen development activity and have shifted efforts to how to package and deploy what they have. There are issues related to geography - can deploy by county, whole state, health district, watershed, school district, etc. They are writing in-house software to gear up to handle that type of packaging active. Another issue is what to deploy as data sets. Currently they have 14 gigabytes of auxiliary data that can be used with the viewer. Provided initial thoughts to Eric Swanson, MIC, and Steve Miller, MDEQ, as to how to gear up and get the viewer out with the data. They have installed the viewer at the MSU Library and there have been client server issues. There are issues with access database and privileges.

Eric Swanson, MIC, commented that this viewer tool for query and viewing data is great. It works and is simple to use. Will ultimately roll the viewer out to Family Independence Agency (FIA) with their custom data sets and then they can do internal analysis without trained ArcView staff in-house.

Gary Bilow, MDNR, asked if Bill is planning on packaging the data with the viewer and distributing on a CD.

Bill Enslin, MSU, responded yes, plus some sort of web presence that can update software as needed by downloading a file. They want to move toward having users fill out a form on the web and have data sent to them. Eventually would like to have this go to a back end to GIS that would process the data into a compressed downloadable file.

Gary Bilow, MDNR, stated that MDNR is looking at a model with a centralized database with a 3-tier architecture.

Steve Miller, Michigan Department of Environmental Quality, stated that they are finding that a lot of counties need alternatives because of limited resources. District offices have slow connections.

Gary Bilow, MDNR, added that the state parks have the same problem.

Bill Enslin, MSU, commented that if they can work out organizational and technical issues, a website could package the data people want. It would be better to have selected data sets packaged from the owner's site. It is good advertising tool for agencies to notify clients of what is available and to notify people where to go when they need updates.

Eric Swanson, MIC, commented that this falls in line with the portal concept. It would be best to package the data from the owner's site. Dan Metzger, MIC, has been doing research of state departments to see what is out there. By the next meeting will have his work in a presentable fashion and then would kick off a brain storming session.

Rob Surber, MIC, added that Dan has been developing a generic 'find it' page to guide people – for example "where can I find bike maps".

Eric Swanson, MIC, stated that at state government alone there is so much out there, that MIC thought it best locate state data and present it first. Ideally, Eric would love to see viewing technology, package on line, and download. E-Michigan is getting interested in GIS overall. They have specific applications to meet. As a global entity, e-Michigan is to present a portal to all of state government data. MIC has major problem and an opportunity, as they just learned that their library is not feasible within this building. This has pushed up MIC's timetable for creating an electronic library. In doing so, they are scanning data. Yesterday, Actuate, Inc. demonstrated software that allows queries and creates customized reports. Eric asked Actuate to look at archiving imagery and viewing them on the web and just found out Actuate can do it. All we need is an index and can view it on JPEG format or use a MrSID. Will probably ask Actuate to demonstrate for this group. It has tremendous potential for all. MIC is being forced into this, because they are not able to have a library on the 10th floor, but we need information at our fingertips.

Gary Bilow, MDNR, stated that they are told by DMB, Records Center, that there is a standard document management system that they are to use.

Eric Swanson, MIC, stated that MIC met with the MDMB, Records Center people. MIC does not have the time – they have to answer census questions in six weeks. They are on a major fast track on this project. MIC will have three full-time staff people just to answer census questions. Eric had mentioned Bill Enslin's work with the viewer. The system allows people to customize queries from standard databases, package, download, and plug into a viewer. It could potentially solve a lot of problems. It, at least on the surface, will address all the needs of MIC, which is a diverse organization. It does document management, queries live databases, create archives of imagery, can automate, and program. It is very expensive. It would be a half a million-dollar investment to get started. Can probably pay for with staff-time savings in three years. The server would be housed in the MIC server room. MIC will aggressively pursue this and if there is any interest contact Eric at (517) 373-7910. Actuate is doing analysis for proof of concept on accessing geographic files as well as database files and ortho's.

Rob Surber, MIC, added that this fits in with the e-Michigan concept as well.

Gary Bilow, MDNR, asked if license would cover all state agencies?

Eric Swanson, MIC, responded that he would call George Boersma, Michigan Information Technology Director, to talk about where we are going and why. DMB's Records Management will be moved into George's operation. As far as licensing, doesn't have an answer.

Steve Miller, MDEQ, commented that GeoWorld had an article entitled “Geo Portals Lead to Digital Data Fulfillment”. It talks about ESRI and six other major companies that are looking at portals. The technology has been looked at. We need to recognize that and build off that.

X. County / Local Projects and Activities

Valdis Kalnins, Allegan County, stated that he had nothing to report.

XI. Regional Projects and Activities

Ann VanSlembrouck, SEMCOG, reported they are working on reconciliation of their modeling network and framework – should have completed in a couple of weeks. They want to make sure that all of their databases can relate.

Jim Rogers, SEMCOG, stated that they are getting ready to update land use to 2000 photography. Will be using scanned and registered. Will have to do preliminary research on issues in interpretation of sufficient quality and use. Principal use of land use is to display how much land is available for development. When trying to do quantitative analysis, using acres for different type of land uses, they run into concerns with quality. The emphasis with the new stuff is if the quality can be sufficient so then when they relate numbers of jobs or housing units to land, that they will be able to get reasonable density calculations for comparisons. Want to go back and improve on previous coverages from 1995, 1990, 1985 to enable time series analysis. Over the next 2 years SEMCOG plans to have land use / land cover for four different points in time. Estimate 2000 land use will be complete in one year.

Ann VanSlembrouck, SEMCOG, added that they hope to buy a light table to use.

Jim Rogers, SEMCOG, commented that classification and interpretation standards have to be the same. People do different things when there are two different efforts at two different points in time. Other GIS offices have other levels of detail that don't match up. SEMCOG plans to have a good set of data that longitudinal comparisons can be made to.

Rob Surber, MIC, asked Ann VanSlembrouck which version of Wayne and Oakland Counties they are using to make their reconciliation.

Ann VanSlembrouck, SEMCOG, responded that they haven't gotten those yet, but probably will within the next week. They only need PR numbers.

Rob Surber, MIC, stated that MIC has reached identity point and would be doing the 'add PRs' on Wayne County so it should be fairly stable.

John Esch, MDEQ Environmental Response Division (ERD), stated that in the past they have had access to Rockford digital plat maps. They are unable to access to information any more. It will cost over \$10,000 for statewide coverage. The ERD is interested in accessing this data, but cannot afford it.

Kathleen Weessies, MSU Maps – GIS Library, commented that Rockford is nervous about handing out their data. The fee is an annual fee even if the data is not updated.

John Esch, MDEQ ERD, added that there is a \$6,000 update fee per year.

Rob Surber, MIC, stated that MIC sent them a detailed letter requesting an explanation of their licensing. Asked how it would work in a different division within the same department and Rockford seems skittish about that.

Gary Bilow, MDNR, commented that MDNR has a license with Rockford and are allowed to put across their intranet for employees to access but can't share with other state departments cannot access it.

Rob Surber, MIC, stated that in his letter he explained that MIC is state government and works on projects with other state government departments. Rockford's legal experts responded that it could not be shared.

Gary Bilow, MDNR, commented that they are trying to get access to counties that Rockford is not updating. Rockford is a good deal compared to some other companies. Some wanted \$10,000 per year for 15 counties. More counties are publishing their own plat maps.

John Esch, MDEQ ERD, stated that he knows of at least 5 counties that publish their own and he will get that information to Gary.

Gary Bilow, MDNR, commented that Iron County charged \$100.

Rob Surber, MIC, asked how the licensing works with that?

Gary Bilow, MDNR, responded that he doesn't know how it would work outside of the department. A lot of times counties don't know and don't have a policy established.

Rob Surber, MIC, asked if ERD doesn't have enough funds to support their need, are there funds in the department as a whole?

Steve Miller, MDEQ, responded that he received a memo from John Clark, MDEQ, asking the same thing and Steve doesn't have an answer.

Eric Swanson, MIC, asked which departments present would be interested in access to Rockford plats.

Gary Bilow, MDNR, clarified that Rockford plats are CDs of scanned images of the individual pages. MDNR builds an interface and geoposition to bring up the 40-acre grid.

Steve Miller, MDEQ, commented that it would be beneficial if access could be coordinated with the counties in addition to Rockford.

Eric Swanson, MIC, asked if there is interest from a majority of departments to have MIC pursue negotiating a state contract with Rockford and work with counties to acquire local data, MIC could do that. Will put a feeler out to other agencies to see if they would also be interested in having a backdrop.

Rob Surber, MIC, commented that they are not always rectified.

Gary Bilow, MDNR, added that MDNR would provide a sample of what they have done on CD.

Everett Root, MIC, commented that Lisa Dygert, MDNR, has brought some over to MIC and they brought up the data as a possible source of school district boundaries for repositioning. Lisa also brought a warning to use them carefully and advised that other sources should be used first.

Gary Bilow, MDNR, added that they are crude geographic files.

John Esch, MDEQ, commented that when he talked to Rockford, it was his understanding that a different license for each office was needed and then it is not affordable.

Rob Surber, MIC, responded that is why it is confusing.

Gary Bilow, MDNR, commented that they have it located in one spot. Because it is on one server in a single location can have a single license.

John Esch, MDEQ, commented that he is afraid to ask too many questions, because they do not want to jeopardize MDNR's license.

Gary Bilow, MDNR, added that they had a lot of questions when it first came up – whether it could be distributed around the state and what they could do with this license. They have Rockford's permission to use for MDNR business purposes. They have a real estate operation and needed statewide plat books. Can't legally make copies of maps.

Rob Surber, MIC, commented that MIC would look into and talk with other departments to see if we develop a coordinated plan.

XII. Federal Projects and Activities

Nobody present.

XIII. Other Issues

Rob Surber, MIC, stated that MIC is working with ESRI and the Michigan Economic Development Corporation in a pilot project to set up ArcIMS service to search where job locations are and child care locations. The employer's location is where the employee will report for work. The framework will be used for this project. The pilot is in the Michigan Works office in Oakland County. MIC has evaluated GDT and framework in Ottawa County. MIC has most of the stuff in there, new roads, etc. MIC found that the confidence in GDT address ranges has diminished because they use a beginning known point and an ending known point for a county and then populate it in between with interpolated address range breaks that don't coincide with MIC's detailed information from the clerks. They do serve as flags. Framework and the street index has all the information that GDT has and then some.

Jim Rogers, SEMCOG, stated that SEMCOG also evaluated GDT and the biggest problem was for locations for new housing units on new streets – which are not on anybody’s database, including theirs. There is approximately an 18 month lag between the time the street is put in to the time GDT has it.

Everett Root, MIC, reported that MIC has two pilots with two local units, Ottawa County and city of Kalamazoo, to reposition and update address ranges on framework.

Rob Surber, MIC, added that MIC has sent AMLs to them. We are going to see how it works. In a controlled editing environment.

Everett Root, MIC, commented that they are implementing PR rules, node splitting, etc. and have them do the work that the MIC would do here.

Eric Swanson, MIC, stated that once framework is repositioned, he is excited to see where it takes MIC as far as interacting with county governments, because the framework will be more in sync with what the counties want for GIS basis. When framework is cleaned up and repositioned, it will meet the counties’ positional accuracy needs. It will put the state and counties, which are a critical source for information fill and exchange, and this puts us close to where we need to be.

XIV. Next Meeting Date

March 1, 2001, 10 a.m. until 12 p.m., George W. Romney Building, 111 S. Capitol, 10th Floor, Lansing, MI 48933

** If any changes or corrections are to be made to these minutes, please contact the Michigan Information Center at (517) 373-7910