

For: State and County Offices

Process for ArcGIS 9.2 Conversion

Approved by: Deputy Administrator, Management



1 Overview

A Background

FSA will begin deploying ArcGIS 9.2, CLU Maintenance Tool (MT) version 5.1.11, Grain Storage Bin Tool (GSBT) version 3.0.6, and Tool for Environmental Source Results and Assessment (TERRA) version 2.0.5 in October 2009, to all the Field Offices. MT, GSBT, and TERRA:

- are customization of the ArcGIS 9.2 environment that is installed on workstations
- use Microsoft SQL Server 2000 database installed on CCE server
- allow County Offices to maintain CLU geospatial and attribute data that consists of farm, tract, and field boundaries and various attributes; to define grain storage bin properties and locations; and to computer offer scenarios for CRP
- do **not** link directly to farm or tract data stored on System 36
- are scheduled for deployment to all State and County Offices managing CLU and grain storage bins in ArcSDE (spatial database engine).

Together with MT, GSBT, and TERRA, GIS Environment Tool (GET) 2.0.7 will also be released to set GIS environment parameters.

State IT/GIS personnel, in coordination with CCE, will be installing server side software and client side software beginning **October 15, 2009**.

ITS will deploy the base GIS software install package through the Systems Management Server (SMS). State and County Office personnel will perform the install on the appropriate workstations in each State and County Office.

MT versions 5.1.11, GSBT version 3.0.6, TERRA version 2.0.5, GET version 2.0.7, and the server side upgrade to ArcSDE 9.2 will also be deployed through SMS.

Disposal Date	Distribution
February 1, 2010	State Offices; State Offices relay to County Offices

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1 Overview (Continued)

B Purpose

This notice provides the schedule and instructions for State Offices about the migration to GET 2.0.7 and ArcGIS 9.2 that includes MT 5.1.11, GSBT 3.0.6, and TERRA 2.0.5.

2 Deployment Schedule

A Schedule for Deployment

State Offices will receive the SMS packages by **October 7, 2009**. Field Offices will receive SMS packages by **October 15, 2009**.

B Expected Dates for Completing the Conversion

It is estimated that each site will need 2-4 hours to complete the installation.

Once the SMS packages are deployed, State IT/GIS personnel will need to start to install the deployed packages. This table lists the completion dates expected for different States. The dates are based on the number of counties within each State.

Expected Dates to Complete the Conversion	States
November 13, 2009	AK, AL, AS, AZ, CA, CO, CT, DE, FL, GU, HI, ID, LA, MA, MD, ME, MI, MT, NH, NJ, NM, NV, NY, OR, PA, PR, RI, SC, UT, VA, VI, VT, WA, WV, WY
December 4, 2009	AR, GA, IL, IN, KS, KY, MN, MO, MS, NC, ND, NE, OH, OK, SD, TN, WI
December 31, 2009	IA, TX

C Requesting a Change in Deployment Schedule

GIS coordinators/specialists may request that the National Office ITSD, Geospatial Information and Executive Management Systems Division, GIS Branch staff change the deployment and the completion dates, according to the following table.

Deadline for Requests to Change Deployment Dates	Change Point of Contact
Change requests shall be submitted by October 10, 2009 .	Changes must be coordinated with Ted Payne by either of the following: <ul style="list-style-type: none">• e-mail to ted.payne@wdc.usda.gov• telephone at 202-720-2187.

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3 Conversion Process

A Overview

State GIS coordinators/specialists **must** provide guidance to State ITS staff as to which County Offices will be converted on particular days within the allotted time.

The conversion process for the client software is as follows.

Step	Action
1	GET 2.0.7, MT 5.1.11, GSBT 3.0.6, and TERRA 2.0.5 software is staged on distribution nodes across the network.
2	ArcGIS 9.2 client software is staged for installation.
3	All previous versions of GET, MT, GSBT, and TERRA are uninstalled.
4	ArcGIS 9.1 client software is uninstalled from the work station.
5	ArcGIS 9.2 client software is installed on the work station.
6	SMS process for the GET 2.0.7 installation is triggered.
7	SMS process for the MT 5.1.11 installation is triggered.
8	SMS process for the GSBT 3.0.6 installation is triggered.
9	SMS process for TERRA 2.0.5 is triggered.

The conversion process for the server software is that that the SMS process to install ArcSDE 9.2 is triggered and the system:

- uninstalls ArcSDE 9.1 application, but leaves the ArcSDE 9.1 license manager
- installs ArcSDE 9.2 license manager
- installs ArcSDE 9.2 applications.

State IT/GIS personnel will need to assist the County Offices to:

- point the GET Tool to the County Office server
- run FSA Data Updater (a MT 5.1.11 utility) to update the databases (that is, wetland database structure) on the server
- test a few cases to insure the install is good (see **Note** in subparagraph B).

3 Conversion Process (Continued)

B Communication During Conversion

A SharePoint site for tracking the ArcGIS 9.2 deployment will be developed. State GIS coordinators/specialists will:

- be required to confirm the completion of the process by having users at the County Office login into and work in MT 5.1.11, GSBT 3.0.6, and TERRA 2.0.5
- report migration status through the tracking site.

This communication will inform the National Office that migration is complete and successful at each County Office.

Note: Guidance will be given on test cases for confirming the applications work on the GIS Office Training SharePoint Site to assist Service Center installation validation.

C Training

There will be SharePoint video training information provided by e-mail and teleconference to State GIS specialists who will disseminate the information to County Offices about this software release. Users in Field Offices are expected to be proficient in FSA customized GIS applications. The migration to ArcGIS 9.2 should be easy for Field Offices; there are some changes in the following:

- interface in MT 5.1.11 (that is, new Control Panel, new Mapmaker Wizard, etc.)
- TERRA payment calculations and report format (PDF instead of HTML).

There will be documents released with MT 5.1.11, GSBT 3.0.6, and TERRA 2.0.5 that highlight new functionality. State GIS coordinators/specialists will be responsible to provide support to the field.

Note: State GIS coordinators/specialists **must** work with Field Offices on setting up the GET tool that will also be deployed at the time of migration. Special instructions will be provided in setting the GET parameters.

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4 County and State Office Actions

A County Office Action

County Offices shall:

- contact State GIS coordinator/specialist with questions about the schedule for data conversion and how to prepare for data conversion
- contact State GIS coordinator/specialist with questions about GIS applications and tools
- provide State GIS coordinator/specialist with names of persons to receive read/write permissions to SQL/SDE databases, if they will be changed for this migration
- perform database update once MT is installed and the ArcSDE is updated as follows:
 - point the new GET tool to the local SDE server
 - run FSA Data Updater (a MT 5.1.11 utility) to update the databases (that is, wetland database structure) on the server
- test a few cases to insure the install is good
- report to State Office the installation and working status of the appropriately deployed applications.

B State Office Action

State GIS coordinators/specialists shall:

- review the conversion schedule for States and **must** e-mail an acknowledgement to Ted Payne at ted.payne@wdc.usda.gov within **1 week of the date of this notice**, even if **no** changes are requested for the State
- work with County Offices to ensure that a person is there to assist with the installation, FSA Data Updater execution, and installation verification
- if installation problems are identified, open a Magic work order
- act as 1st level contact for their County Offices on FSA GIS applications and tools.