



Geographic Coordinate Data Base

Geographic Measurement Management For Windows®

WinGMM

Version 1.00 - 10262001

Version Description Document

L&RPO#: GCDB-WG-VDD-V1.00-10262001

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**United States Department of the Interior
Bureau of Land Management
Land & Resources Project Office
Denver Federal Center
Denver, Colorado 80225-0047**

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1. SCOPE

1.1 Identification

Project Name	Geographic Coordinated Data Base (GCDB)
System Name	Geographic Measurement Management for Windows [®]
System Abbreviation	WinGMM
Version Number	V1.00 - 10262001
Project Office	Land & Resources Project Office (L&RPO) WO330D
Project Manager	Leslie Cone, L&RPO Project Manager
Project Sponsor	BLM, Assistant Director, Lands, Realty, and Resource Protection and BLM Assistant Director, Office of IRM, Modernization
System Users	BLM GCDB Offices and professional land surveyors
System Developer	L&RPO, WO330D

1.2 System Overview

The purpose of WinGMM is to provide a flexible means to generate a geographic coordinate representation of the Public Land Survey System and other parcel boundaries from existing record plat data supplemented with available geodetic control and data digitized from USGS quadrangle maps. Input data has traditionally been taken from record Cadastral Survey plats and notes. The purpose of these functions is to support initial data collection, update, and maintenance of the Bureau's (GCDB) data.

This Version Description Document describes the Geographic Measurement Management for Windows[®] System, known as WinGMM. WinGMM is a software system developed to collect data representing survey records, land descriptions, and horizontal control locations. WinGMM produces geographic coordinate data for use in the Geographic Coordinate Data Base (GCDB).

WinGMM used functionality developed under the name Geographic Measurement Management (GMM). The GMM software released relied on use of DOS command line entries to execute applications. WinGMM now executes these applications through the use of pulldown menus from a main WinGMM window.

Release management and some aspects of configuration management are the responsibility of Bureau of Land Management (BLM) Land and Resources Project Office (L&RPO) at the Denver Federal Center (WO-330D).

Questions and/or comments regarding this Version Description Document (VDD) should be directed to Regina LeFort, L&RPO GCDB Lead at “Regina_Lefort@blm.gov” or Dennis McKay, Cadastral Automation Coordinator at “Dennis_McKay@blm.gov.”

1.3 Document Overview

The purpose of this document is to describe the functionality, system requirements, installation, and setup of WinGMM v1.00 - 10262001.

2. REFERENCED DOCUMENTS

2.1 Government Documents

WinGMM v1.00 - 10262001 WinGMM Software User Guide
WinGMM v1.00 - 10262001 WinGMM Technical Reference Manual
WinGMM v1.00 - 10262001 Computer System Operation Manual (CSOM)

2.2 Non-government Documents

NONE

3. VERSION DESCRIPTION

3.1 Inventory of Materials Released

Physical Media:

Executables are delivered to BLM LRPO on CD. These files will be available for user download from the Bureau’s IRM 2001 Configuration Management Software Distribution website <http://web.blm.gov/internal/wo-500/cm/swreleases.html>. An additional (identical) CD is delivered for National Configuration Board records.

Associated Documentation:

WinGMM v1.00 - 10262001 WinGMM Software User Guide
WinGMM v1.00 - 10262001 WinGMM Technical Reference Manual
WinGMM v1.00 - 10262001 Computer System Operation Manual (CSOM).

3.2 Inventory of CSCI Contents

WinGMM Executables

APROPW	EXE
AN2IID	EXE
AN2GLD	EXE
CHGIDS	EXE
CHZONEW	EXE
CKW	EXE
CMM2GMM	EXE
COMPARW	EXE
CSTUF	EXE
DXFW	EXE
FORMCORW	EXE
FORMLSAW	EXE
FORMRELW	EXE
GCONW	EXE
GCONHPW	EXE
GETLLDW	EXE
GETLXW	EXE
INRAWW	EXE
LLDW	EXE
LSGMMW	EXE
LSMINW	EXE
NODUPW	EXE
PROJECW	EXE
QCMATW	EXE
RAWW	EXE
RPOLYW	EXE
SORTLSAW	EXE
TOLXNW	EXE
UTMW	EXE
VERIIDW	EXE
WG	EXE

Mandatory Data Files

CONUS	LAS
CONUS	LOS
NAD27	CON
NAD83	CON
TABLE	DAT
ZONE	DAT

Regional Data Files (New set of files to run GCONHPW)

Third Party Executables

CORPSCON	EXE
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GETLL	EXE
REGSNOOP	EXE
SNOOPER	EXE
WHATINNY	EXE

Additional Documentation Files

WINGMM	CHM (Help file)
CSTUF	HLP

3.3 Changes Installed

a. Summary of Software Changes

This section contains a short summary of some of the WinGMM software changes incorporated since the official release of GMM v3.00. The change numbers listed below correlate to the test numbers in the Summary Integration Test Report.

- 0) GMM processes executed from WinGMM Window pulldown menus. Comprehensive change enhancing all GMM functions.
- 1) Turn On/Off RAW, LSA, LXN file lines from either the toolbar View pull down menu, toolbar Menu button icons, or from the keyboard.
- 2) SIDs
 - a) Turn SIDs on with tool bar VIEW pull down menu and click on Surveys.
 - b) To edit a SID, from the toolbar View pull down menu click on Surveys, Select the SID in the list, click Properties and edit the ID.
 - c) To create a New SID Use toolbar View pull down menu click on Surveys and Create New.
- 3) Configuration options now includes Start up options for Lines from RAW.
- 4) To Import/Convert APD use toolbar File pull down menu and select Import and Amended Protraction Diagram.
- 5) Enhanced UNZIP functionality includes a check box to control translation of CR to CR/LF.

- 6) A change in appearance to flat button style toolbar.
- 7) Post Adjustment Calculations
 - a) Multiple deletions from Post Adjustment Calculations. The max id can be overwritten, thus one can delete all PAC's within a given range of point IDs.
 - b) Post Adjustment Calculations, if nothing is selected; autoi points become the default values (950100 – maxid).
 - c) Post Adjustment Calculations, if a calculation with pointid < 950100 is selected it becomes the default value and only one calculation is suggested for delete.
 - d) New functionality for review/edit of township.ADD or township.NOT files calculations under toolbar Command pull down menu and click on Post Adjustment Calculations.
- 8) New toolbar Regions pull down menu item BUILD/EDIT REGION with many new functions.
- 9) Deleted the .LXH function from WinGMM.
- 10) Copying selected .raw lines to clipboard by select the lines, right button click inside the box containing the selected lines, choose "copy". (can then paste into any windows program).
- 11) FORMLSAW and FORMCORW now have the ability to cross state plane zones without having to transform the individual townships manually.
- 12) Modified .zip routines to handle the weird paths that include spaces.
- 13) Modified all areas where a temporary batch file performs invisible run of programs, also to accommodate paths with spaces.
- 14) Subdivision has options for halving parcels N & S halves or E & W halves.
- 15) Added Attributes functions – assigning or changing polygon labels.
- 16) Datum transformation from NAD27 to NAD 83 (and back to NAD27)

had been improved. Conus.las and Conus.Los files are relocated for processing – then deleted.

17) Online help is available from CSTUF.

18) All programs have been increased in size to accommodate large data sets.

3.4 Adaptive Data

Not Applicable

3.5 Interface Compatibility

This version is compiled for Windows 95, 98, ME, 2000, and Windows NT environments on personal computers.

3.6 Bibliography of Referenced Documents

WinGMM v1.00 - 10262001 WinGMM Software User Guide
 WinGMM v1.00 - 10262001 WinGMM Technical Reference Manual
 WinGMM v1.00 - 10262001 Computer System Operation Manual (CSOM)

3.7 Installation Instructions

This version of WinGMM has the following requirements:

Hardware (minimum)

IBM Compatible PC with Windows 95/98, Windows 2000, or Windows NT 4.0.

64 MB Memory Minimum.

Hard Drive: Software installation and operation requires a minimum of 1 Gb of free disk space.

3.8 Installation Instructions

WinGMM with all associated .EXE files can be downloaded from the Bureau's IRM 2001 Configuration Management Software Distribution website at <http://web.blm.gov/internal/wo-500/cm/swreleases.html>. Contact Regina LeFort at email address "regina_lefort@blm.gov" if problems are encountered in downloading the software. For assistance if problems are encountered during

software installation on your computer, contact Dennis McKay at email address “dennis_mckay@blm.gov.”

a. Web Download Installation

During the initial installation Setup process on networks, Admin Rights will be needed because the software will be loading certain files to the root directory. This is not necessary on Stand-alone PCs.

1. The default directory for WinGMM is “C:\Program Files\WinGMM.” If the directory does not exist on your computer, create it.
2. Download the WinGMM Installation (wgininstall.zip) file from the Bureau’s IRM 2001 Configuration Management Software Distribution website. Store the file in the default directory.
3. Using the winZip software to “unzip” the software, unzip the wgininstall.zip file into this directory. This creates a Directory called “wgininstall.” which includes at least these five files, InstMsiA.exe, InstMsiW.exe, setup.ini, WinGMM.msi, and setup.exe.
4. Select and open the setup.exe file. Follow the on-screen installation instructions to load WinGMM on your computer.

3.9 Possible Problems and Known Errors

Certain configurations of hardware or software may have problems with downloading or installation of the WinGMM software. For help contact the individual identified in paragraph 3.8.

4. NOTES