Data Analyzer 5000.0.0 Release Notes

Landmark

Contents

Introduction	2
System Requirements	3
Third Party Applications	4
Installation	5
Licensing	6
Database Upgrade (SQL Server 2005, SQL Server 2005 Express, and Oracle)	7
Enhancements and New Functionality	8
Problems Fixed	9
Contacting Support	13

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Introduction

This document contains important information and last minute changes related to Data Analyzer 5000.0.0 that is not documented elsewhere. Data Analyzer is an application in the Engineer's Desktop 5000.0.0 release, which provides major new functionality in support of the Drilling and Completions applications on the shared EDM data model.

System Requirements

For details, refer to the 'System Requirements' section of the *Engineer's Desktop 5000.0.0 Drilling Summary Level Release Notes*.

Third Party Applications

Landmark uses various third-party applications in the development of its software.

Landmark acknowledges that certain third party code has been bundled with, or embedded in, Landmark's software. The licensors of this third party code, and the terms and conditions of their respective licenses, may be found at the following location:

[Installdir]\Documentation\Third Party.pdf.

Refer to the *Engineer's Desktop 5000.0.0 Drilling Summary Level Release Notes* to view a table describing a complete list of the third-party applications that are in Engineer's Desktop Release 5000.0.0.

Installation

For details, refer to the "Installation" section of the Engineer's Desktop 5000.0.0 Drilling Summary Level Release Notes.

IMPORTANT:

Engineer's Desktop 5000.0.0 is a new product. If you are currently using a pre-2003.21 EDM database, you must upgrade your EDM database to 2003.21 prior to upgrading to the 5000.0.0 release. Once the database has been upgraded to 5000.0.0, you will no longer be able to access it using the 2003.21 EDT applications.

You cannot run an earlier version of Engineer's Desktop on the same machine with Engineer's Desktop 5000.0.0. Consequently, if you want to be able to run both 2003.21 and 5000.0.0 applications, make a copy of your 2003.21 database and upgrade the copy to 5000.0.0 (the databases must be on different machines).

Refer to the 'Installation' section of the Engineer's Desktop 5000.0.0 Drilling Summary Level Release Notes for details.

Licensing

There have been significant changes to licensing for the 5000.0.0 release. For details, refer to the Licensing section of the *Engineer's Desktop 5000.0.0 Drilling Summary Level Release Notes*.

[If there is any specific info on the 'borrow' licensing feature for this app, it will go here, as will anything else specific to your app]

Database Upgrade (SQL Server 2005, SQL Server 2005 Express, and Oracle)

Refer to the "Upgrading the Database" section of the *Engineer's Desktop 5000.0.0 Drilling Summary Level Release Notes* for information on upgrading your EDM database to the 5000.0.0 version.

You must upgrade your existing EDM database(s) BEFORE using 5000.0.0

You must upgrade versions of your database(s) created with earlier versions of the software before running the 5000.0.0 software.

Enhancements and New Functionality

The 5000.0.0 release of Engineer's Desktop supports the Microsoft Vista operating system, has new LAM (FLEXnet Publisher) licensing, and contains some critical bug fixes.

In addition, the following enhancements were added to the Data Analyzer 5000.0.0 release.

The 5000.0.0 release of the Engineer's Desktop does not contain any new enhancements or functionality specific to the Data Analyzer application. Some customer reported issues were resolved and are detailed in the Fixed Problems section of these notes. The Selection Tree metadata used for both Data Analyzer and the Data Validation feature within OpenWells (including EDM Administration Rule Book editor) has been updated to reflect data model changes and additions that are new for the EDT 5000.0.0 release. This includes being able to query data in the new Completions Catalogues, Multi-Wellbore Well Planning, and Oilfield Waste Management extensions to OpenWells.

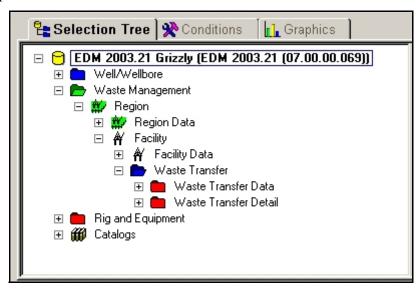


Figure 1: New Waste Management node and supporting data in Data Analyzer Selection Tree.

Problems Fixed

The following problems were either fixed or have workarounds for the 5000.0.0 release.

D/E	Subject	Index Level 1	Index Level 2
728645	Catalogue Editor Tree should be in sort order	Core App	
730022	Fluids (CD_Fluid) View should not be linked in when reporting on Stimulation Views.	Query	Key Joins
735916	Graph Wizard Step 3 dialog name is wrong.	Graphics	Graph Wizard

Known Problems

The following are known problems for the Engineer's Desktop 5000.0.0 release.

D/E	Subject	Index Level 1	Index Level 2
166581	Query Tool: Suggested functionality FIND & REPLACE	Query Results Spreadsheet	
175543	There should be an option to stop the query.	Core App	
178072	Console Method for launching Data Analyzer?	Core App	
178704	Need multi-graph print option to print all graphs	Graphics	
616192	Data Analyzer does not keep the percentage (%) values on the pie graph.	Graphics	
617215	Require Virtual Field support in the Selection Tree	Selection Tree	
617453	Numeric Parameters should display Units	Parameters	
630290	trying to get the ending mud inventory on OpenWells with data analyzer	Conditions	Conditions
700693	Query Key Joins needs to support 'Omit Join' for all join relationships	Query	Key Joins
700694	Selection Tree needs to recognize is_hidden flag in Data Dictionary	Selection Tree	
701244	User wants to include TOW's table to co-relate Drilling and Production data	Database	
720335	Data Analyzer should record and display the creation and modification date of a query along with the query name.	Core App	
720609	Would like one click selection for a report rather than clicking on all fields	Selection Tree	

D/E	Subject	Index Level 1	Index Level 2
726662	Need Vertical Section field added to CD_Survey_Station Table.	Database	Data Model
726830	Enhance Data Analyzer to search for attachments by file name	Database	Other
727129	New Change History information for Designs cannot be queried	Selection Tree	Tree View
727464	Need a token to allow user to save DA queries as iWellfile queries.	Core App	
727637	Request change to the links between the rig and the well information.	Query	Key Joins
727822	Users need to be able to change Query Time-out value	Core App	
728728	When DM_Bit_Op table is included, then can't report on other BHA Components.	Query Design	
730152	Parameter construction should detect conflict between Parameter name and Query Attribute Name	Parameters	
731179	Unable to process duplicate column names in the same query	Selection Tree	Tree View
732673	DA shows Chinese characters as ? in spread sheet and graphics results	Core App	
733440	Graphics tab layout needs to be designed for 1024x768 so that 'Data Series' window can be seen	Core App	
734919	Parameter Picklists require 'Distinct' support particularly for data picklists	Query Design	
735865	Secondary Y Axis does not work for 2D Bar Graphs set to Horizontal	Graphics	Graphics Toolbar

D/E	Subject	Index Level 1	Index Level 2
736669	Find Function on Data Analyzer Selection Tree	Selection Tree	
739542	Request same Filtering Functionality (Ctrl-F) in Data Analyzer that is in OpenWells	Filter	
739882	OpenWells, Wellbore Properties, General Tab, Wellbore Type is missing from DA Tree	Selection Tree	Tree View
743285	Data Analyzer - Cementing Report - No 'Report No.' in the query	Query	
743400	File > Open Query dialog very slow to fire up	Query	
750218	Not all catalog types from Catalog Editor are shown in the Catalogs section of the Selection tree in Data Analyzer.	Selection Tree	
750650	Query of Production Equipment Failure data can't join PEF tables (DM_PROD_EQUIP_FAIL)with Event table (DM_EVENT), "no results from query" is the result	Selection Tree	

Contacting Support

Landmark operates Technical Assistance Centers (TACs) in Australia, the United Kingdom, and the United States. Additional support is also provided through local support offices around the world. Local support office information is listed below. If problems cannot be resolved at the district level, our escalation team is called to resolve your incidents quickly.

Support information is always available on the Landmark Graphics Support internet page located at: http://css.lgc.com/CustomerSupport/CustomerSupportHome.jsp.

Technical Assistance Centers

North America

7:30 am - 5:30 pm Central Standard Time Monday - Friday, excluding holidays 713-839-2200 (Houston, TX, USA) Toll Free 1-877-435-7542 (1-877-HELP-LGC)

Fax: 713-839-2168 (Houston, TX) Fax: 907-275-2655 (Anchorage, AK) Fax: 303-796-0807 (Denver, CO) Fax: 403-262-1929 (Calgary, Canada)

Email: support@lgc.com

Latin America

(Spanish, Portuguese, English) 7:00 am - 5:00 pm Central Standard Time Local normal business hours

1-713-839-3405 (Houston, TX, USA)

Fax: 713-839-3646 Email: soporte@lgc.com

Toll Free from:

Argentina: 0800-800-5263
Brazil: 0800-891-0837
Chile: 800-201-898
Colombia: 01800-915-4743
Mexico: 001-888-438-1296
Peru: 0800-51634
Trinidad: 1-888-438-1296
Venezuela: 0-800-526-3627

Toll Free from local area: Ecuador (Quito) (02)226-1908

Europe, Africa, Middle East

8:00 am - 5:30 pm Local Time Monday - Friday, excluding holidays

44-1372-868686 (Leatherhead, UK)

Fax: 44-1372-868601 (Leatherhead, UK) Fax: 44-1224-723260 (Aberdeen, UK)

Email:

eame helpdesk@lgc.com

Asia, Pacific

8:00 am - 5:00 pm Local Time Monday-Friday, excluding holidays 61-8-9481-4488 (Perth, Australia)

Toll-free 1-800-448-488 Fax: 61-8-9481-1580

Email:

apsupport@lgc.com

Toll-Free from:

China: 10-800-6100-253 Indonesia: 001-803-61284 Japan: 00531-61-0021 Malaysia 1800-803-687 New Zealand 0800-400-555 South Korea 00308-61-0046 Taiwan 0080-161-1350 Thailand 001-800-611-2784

Toll Free from local area: Vietnam: 84-8-9191901

Email: support@lgc.com

21-337-7239

54-11-4312-8411

61-8-9481-4488

India: 91-11-622-1885 (c/o Samit Enterprises)

District Support Offices

Algeria (Algiers)

8:30 am - 4:30 pm Local Time

Saturday - Wednesday excluding holidays

Angola (Luanda) 213 2137 7239

8:00 am - 5:00 pm Local Time Email: support@lgc.com Monday - Friday, excluding holidays

Argentina (Buenos Aires)

9:00 am - 6:00 pm Local time

Email: soporte@lgc.com

Fax: 54-11-4311-9566

Toll Free 1800-448-488

Toll Free 0800-800-5263

Australia (Perth)

8:00 am - 5:00 pm Local Time Monday - Friday, excluding holidays

Fax: 61-8-9481-1580 Email: apsupport@lgc.com

Brazil (Rio de Janeiro)

8:00 am - 5:30 pm

Local Time

55-21-3974-4000 or Toll Free 0800-891-0837 Fax: 55-21-3974-4002 Email: soporte@lgc.com

Brunei (Bandar Seri Bagawan)

8:30 am - 5:30 pm Local Time

Monday - Friday, excluding holidays

67-3-233-5319

Email: apsupport@lgc.com

Canada (Calgary)

7:30 am - 5:30 pm Central Standard Time

Monday-Friday, excluding holidays

Chile (TAO TAC, Houston, Texas)

Local normal business hours

Colombia (Bogota)

8:00 am - 5:00 pm Local Time

Ecuador (Quito) 8:00 am - 5:00 pm Local Time

Egypt (Cairo)

8:00 am - 4:00 pm Local Time

Saturday - Wednesday, excluding holidays

India (New Delhi)

9:00 am - 5:30 pm Local Time

Local Business Days, excluding holidays

Indonesia (Jakarta)

7:30 am - 4:30 pm Local Time

Monday - Friday, excluding holidays

Japan

8:00 am - 5:00 pm Local Time

Monday - Friday, excluding holidays

Malaysia (Kuala Lumpur)

8:30 am - 5:30 pm Local Time

Monday - Friday, excluding holidays

Toll Free 1-877-435-7542 (1-877-HELP-LGC)

Fax: 403-262-1929 (Calgary, Canada) Fax: 713-830-2168 (Houston, TX)

Email: support@lgc.com

Toll Free 800-201-898

Fax: 1-713-839-3646 Email: soporte@lgc.com

57-1-326-4000

57-1-326-6710

Toll Free 01800-915-4743

Fax: 57-1-326-6717 Email: soporte@lgc.com

59-32-226-1844

Toll Free from Quito (02)226-1908

Fax: 59-32-226-2590 Email: soporte@lgc.com

20-2-759-1717

(ask for Landmark Technical Support)

Email: support@lgc.com

91-11-622-1885

(c/o Samit Enterprises)

Fax: 91-11-647-9246

Email: apsupport@lgc.com

62-21-3003-9039 or

Toll Free 001-803-61284

Fax: 62-21-3003-9088

Email: apsupport@lgc.com

Toll Free 00531-61-0021

Email: apsupport@lgc.com

603-2164-1121 or

Toll Free 1-800-803-687

Fax: 603-2164-1135

Email: apsupport@lgc.com

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Mexico (Reynosa)

8:00 am - 6:00 pm Local Time

New Zealand (New Plymouth)

8:00 am - 5:00 pm Local Time

Monday - Friday, excluding holidays

Nigeria (Lagos)

8:00 am - 5:00 pm Local Time

Monday - Friday, excluding holidays

People's Republic of China (Beijing)

9:00 am - 5:30 pm Local Time

Monday - Friday, excluding holidays

Peru (Lima)

Local normal business hours

Russia (Moscow)

7:00 am - 5:00 pm Local Time

Local Business Days, excluding holidays

South Korea

8:00 am - 5:00 pm Local Time

Monday - Friday, excluding holidays

Taiwan

8:30 am - 5:30 pm Local Time

Monday-Friday, excluding holidays

Thailand (Bangkok)

8:00 am - 5:00pm Local Time

Monday - Friday, excluding holidays

52-555-208-3533 52-555-208-3868

Toll Free 001-888-438-1296

Local Office Fax: 52-555-514-7646

Email: soporte@lgc.com

61-6-755-2318

Toll Free 0800-400-555

Fax: 64-6-755-2407

Email: apsupport@lgc.com

234-1-461-0780

(ask for Landmark Technical Support)

Fax: 234-1-262-0769

Email: support@lgc.com

86-10-8486-4501

Toll Free 10-800-6100-253 or

10-800-810-0209

Fax: 86-10-8486-4819

Email <u>bjsupport@lgc.com</u> or <u>apsupport@lgc.com</u>

Toll Free 0800-51634

Fax: 001-713-839-9646

Email: soporte@lgc.com

7-495-960-2926

7-495-960-2927

(ask for Landmark Technical Support)

Fax: 7-095-755-8301

Email: support@lgc.com

Toll Free 00308-61-0046

Email: apsupport@lgc.com

Toll Free 00801-61-1350

Email: apsupport@lgc.com

66-2-278-8100

Toll Free 001-800-611-2784

Fax: 66-2-278-8199

Email: apsupport@lgc.com

Trinidad & Tobago (TAO TAC, Houston, TX)

7:00 am - 5:00 pm Central Standard Time

Local Business Days, excluding holidays

(Houston, TX)

Local normal business hours

United Arab Emirates (Dubai) 7:00 am - 5:00 pm Local Time

+971-4-3036446

(ask for Landmark Technical Support)

Fax: +971-4-3315837

Toll Free: 1-888-438-1296

Email: soporte@lgc.com

Fax: 1-713-839-3646

Email:

gulf_support@lgc.com
eame_helpdesk@lgc.com

United Kingdom

8:00 am - 5:30 pm Local Time Monday - Friday, excluding holidays 44-1372-868686 (Leatherhead)

Fax: 44-1372-868601 (Leatherhead) Fax 44-1224-723260 (Aberdeen)

Email: support@lgc.com

United States (Anchorage)

7:30 am - 5:30 pm Central Standard Time Monday - Friday, excluding holidays Toll Free 1-877-435-7542

Fax: 907-275-2655 Email: support@lgc.com

(1-877-HELP-LGC)

United States (Denver)

7:30 am - 5:30 pm Central Standard Time Monday - Friday, excluding holidays Toll Free 1-877-435-7542

(1-877-HELP-LGC) Fax: 303-796-0807 Email: <u>support@lgc.com</u>

United States (Houston)

7:30 am - 5:30 pm Central Standard Time Monday - Friday, excluding holidays 713-839-2200

Toll Free 1-877-435-7542 (*1-877-HELP-LGC*) Fax: 713-839-2168 Email: support@lgc.com

Venezuela (Caracas)

8:00 am - 5:00 pm Local Time 58-212-953-0774

Toll Free 0-800-526-3627 Fax: 58-212-952-3845 Email: soporte@lgc.com

Vietnam (Ho Chi Minh City)

8:00 am - 5:00 pm Local Time Monday - Friday, excluding holidays 84-8-910-1901

Fax: 84-8-910-1902 Email: apsupport@lgc.com

Helpful internet links are shown below.

Name	Website Address
Landmark Graphics home page	http://www.lgc.com
Landmark Graphics FTP Site	ftp://ftp.lgc.com
Oracle home page	http://www.oracle.com

Name	Website Address
FLEXIm license management software	http://www.macrovision.com
Microsoft SQL Server 2005 home page	http://www.microsoft.com/sql/default.asp
Adobe Acrobat Reader	http://www.adobe.com
Microsoft SQL Server 2005 Express	http://www.microsoft.com/sql/editions/ express/default.mspx

Trademarks

3D Drill View, 3D Drill View KM, 3DFS, 3D Surveillance, 3DView, Active Field Surveillance, Active Reservoir Surveillance, ADC, Advanced Data Transfer, ARIES, ARIES DecisionSuite, AssetConnect, Asset Decision Solution, Asset Development Center, Asset Journal, AssetLink, AssetLink Advisor, AssetLink Director, AssetLink Observer, AssetObserver, AssetObserver Advisor, Asset Performance, AssetPlanner, AssetSolver, AssetSolver Online, AssetView, BLITZPAK, CasingSeat, COMPASS, Corporate Data Archiver, Corporate Data Store, Data Analyzer, DataManager, DataStar, DBPlot, DecisionSpace, DecisionsSpace 3D Drill View KM, DecisionSpace AssetLink, DecisionSpace AssetPlanner, DecisionSpace AssetSolver, DecisionSpace AssetView 2D, DecisionSpace AssetView 3D, DecisionSpace Atomic Meshing, DecisionSpace Decision Management Systems(DMS), DecisionSpace for Production, DecisionSpace Nexus, DecisionSpace PowerGrid, DecisionSpace PowerModel, DecisionSpace PrecisionTarget, DecisionSpace Reservoir, DecisionSpace TracPlanner, DecisionSpace Well Seismic Fusion, DecisionSpace WellSolver, DecisionSuite, DepthTeam, DepthTeam Explorer, DepthTeam Express, DepthTeam Extreme, DepthTeam Interpreter, Desktop Navigator, DESKTOP-PVT, DESKTOP-VIP, DEX, DIMS, Discovery, Discovery Asset, Discovery PowerStation, DMS, Drillability Suite, Drilling Desktop, DrillModel, Drill-to-the-Earth Model, DSS, Dynamic Reservoir Management, Dynamic Surveillance System, EarthCube, EDM, EDT, eLandmark, Engineer's Data Model, Engineer's Desktop, Engineer's Link, ESP, Event Similarity Prediction, Executive Assistant, ezFault, ezSurface, ezTracker, FastTrack, FG+, FieldPlan, Field Scenario Planner, FZAP!, GeoAtlas, GeoDataLoad, GeoGraphix, GeoGraphix Exploration System, GeoLink, GeoProbe, GeoProbe GF DataServer, GES, GESXplorer, GMAplus, GMI Imager, GRIDGENR, Handheld Field Operator, HHFO, I² Enterprise, iDIMS, IsoMap, iWellFile, Landmark, Landmark Decision Center, Landmark & Design, Landmark Logo and Design, Landscape, Lattix, LeaseMap, LMK Resources, LogEdit, LogM, LogPrep, Magic Earth, MagicDesk, Make Great Decisions, MathPack, MIMIC, MIMIC+, Model Builder, MyLandmark, Nexus, Object MP, OpenBooks, Open Explorer, OpenJournal, OpenSGM, OpenVision, OpenWells, OpenWire, OpenWorks, OpenWorks Development Kit, OpenWorks Well File, OpenWorks Production, PAL, Parallel-VIP, PetroBank, PetroBank Master Data Store, PetroWorks, PetroWorks Asset, PetroWorks Pro, PetroWorks ULTRA, PlotView, Point Gridding Plus, Pointing Dispatcher, PostStack, PostStack ESP, PostStack Family, PowerCalculator, PowerExplorer, PowerExplorer Connect, PowerGrid, PowerHub, Power Interpretation, PowerJournal, PowerModel, PowerView, PrecisionTarget, Presgraf, PRIZM, Production Asset Manager, PROFILE, Project Administrator, ProMAGIC, ProMAGIC Connect, ProMAGIC Server, ProMAX, ProMAX 2D, ProMAX 3D, ProMAX 3DPSDM, ProMax 4D, ProMax Family, ProMAX MVA, ProMAX VSP, pSTAx, Query Builder, Quick, Quick+, QUICKDIF, QuickWell, QuickWell+, QUIKDIG, QUIKRAY, QUIKSHOT, QUIKVSP, RAVE, RAYMAP, RAYMAP+, Real Freedom, Real Time Asset Management Center, Real Time Decision Center, Real Time Operations Center, Real Time Production Surveillance, Real Time Surveillance, Real-Time View, Reference Data Manager, RESev, ResMap, RightTime, RTOC, SCAN, SeisCube, SeisMap, SeisModel, SeisSpace, SeisVision, SeisWell, SeisWorks, SeisWorks 2D, SeisWorks 3D, SeisWorks PowerCalculator, SeisWorks PowerJournal, SeisWorks PowerView, SeisXchange, Semblance Computation and Analysis, Sierra Family, SigmaView, SimConnect, SimConvert, SimDataStudio, SimResults, SimResults+, SimResults+3D, SIVA, SIVA+, smartSECTION, Spatializer, SpecDecomp, StrataAmp, StrataModel, StrataSim, StratWorks, StrataWorks 3D, StreamCalc, StressCheck, STRUCT, Structure Cube, Surf & Connect, SynTool, SystemStart, SystemStart for Clients, SystemStart for Servers, SystemStart for Storage, Tanks & Tubes, TDQ, Team Workspace, TERAS, The Engineer's Desktop, Total Drilling Performance, TOW/cs, TOW/cs Revenue Interface, TracPlanner, Trend Form Gridding, Turbo Synthetics, VESPA, VESPA+, VIP, VIP-COMP, VIP-CORE, VIP-DataStudio, VIP-DUAL, VIP-ENCORE, VIP-EXECUTIVE, VIP-Local Grid Refinement, VIP-THERM, WavX, Web Editor, Wellbase, Wellbore Planner, Wellbore Planner Connect, WELLCAT, WELLPLAN, Well Seismic Fusion, WellSolver, WellXchange, WOW, Xsection, You're in Control. Experience the difference, ZAP!, and Z-MAP Plus are trademarks, registered trademarks or service marks of Landmark Graphics Corporation.

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