MAINTENANCE AND SUPPORT
Software updates 2016

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A Dassault Systèmes GEOVIA Maintenance and Support subscription plays an important role in ensuring your operation remains as productive as it can be, both today and tomorrow. As a member of Dassault Systèmes' GEOVIA Maintenance and Support plan, you benefit from regular critical updates and enhancements to ensure your GEOVIA software is current and functions optimally with the latest GEOVIA innovations.

You have access to GEOVIA's industry-leading Technical Support when you need it, provided by your local GEOVIA Center of Excellence 24/5, or available 24/7 online. The Support website, available to you as a maintained customer, also houses a wealth of reference materials, tools, and communities to help you maximize your proficiency with your software.

Here are just a few of the highlights that only Maintenance Support Members received:

UPDATES TO YOUR GEOVIA SOFTWARE

GEOVIA Surpac™

- Significant design improvements vastly increase the processing speed of block models.

- Support for multiple CPU cores and other improvements.

- Up to 95% reduction in processing times for block model operations such as grade estimations, block maths, constraining, and reporting is achieved.

- Up to 200 times performance improvement to inverse distance, ordinary and simple kriging, and nearest neighbor estimations.

- Licensing modifications allow up to 10 instances of Surpac to be run simultaneously from 1 license.

- A new cell declustering feature.

- Surpac dynamic anisotropy functions for more accurate block model interpolations.

- Basic Statistics charting improvements:
  - Swath plots
  - Grade-Tonnage plots
  - Mean-Variance plots
  - Improved log-probability plots

- Support provided for Microsoft Windows 10, Office 2013 and 2016.

- Improvements to variogram modelling including image saving, and validation of nugget, sill, and range.

- A new advanced firing sequencer for surface blast design.

- User interface colour highlighting of errors on forms for better troubleshooting.

- Solid volume reports now have a more detailed table format, enabling quick validation and spreadsheet ready formatting.

- Graphical rotation of data has been improved to allow segment, string and layer rotation along with user-editable fields for the point of rotation.

- A new Layer boundary function to rapidly output different convex and concave polygons.

- A new Circumcircle function to generate a circle by selecting three points in the Graphics window.

- Memory management has been significantly improved while adding new attributes to block models for greater stability.

GEOVIA GEMS™

- GEMS now supports SQL Server 2012, 2014 and 2016.

- Support provided for Microsoft Windows 10, Office 2013 and 2016.

- Connectivity of block model workspaces to the Basic Statistics application.

- Basic Statistics charting improvements:
  - Swath plots
  - Grade-Tonnage plots
  - Mean-Variance plots
  - Improved log-probability plots

- Two new declustering features provide enhanced capabilities for pre-processing and analyzing.

- Search ellipses can now be saved to Tin workspaces for later use.

- A new function to consolidate points.

- A new function to rotate polylines provides more efficient CAD design.

- More flexible Pack and Go synchronization.

- Survey project load and display enhancements for faster opening/loading of survey project data particularly when working with larger survey datasets.

- Enhanced session file management allows saving, quick reload and view of data resulting in fast database retrieval for better sharing of individual work.

GEOVIA Minex™

- Support provided for Microsoft Windows 10, Office 2013 and 2016.

- Import Lithology Symbol Tool aids in geology reporting:
  - Customizable reporting by importing any user-selected/designed .dxf image as a lithology symbol.
  - Faster reporting and compliance with government regulations with the ability to import standardised governmental lithology symbols within one function.

- Report Seam Validation excludes duplicate borehole seam picks from the validation report reducing validation time.

- Unfault and Refault now validates fault triangles before generating the fault blocks ensuring greater accuracy.

- Reporting improvements have been made to the Report Mounts command and reporting Seam In Situ Resources.

- Graphics performance is more stable when Seam Modelling, and when creating and interacting with pits, strip, and dump designs.

- Enhanced underground schedule reporting now calculates the total horizontal distance from panels to a shaft.

- Blocks in all selected area panels are updated with a quality value in an Underground Reserve Quality Update.

- The underground reserves database now supports string, alpha, and SQL data type variables in the same way as numeric variables, allowing you to carry out far more data manipulation and reporting functions.

- Updated Geostatistics version to 6.6.2 for improved Variogram modeling.

- Updated acQuire interface to version 4.5.2 provides new caching capabilities, and performance improvements when accessing data from an acQuire database.

GEOVIA MineSched™

- The haulage functionality has been enhanced to allow the following:
  - Import individual haul roads
  - Better manage bench roads
  - Group bench roads into collections
  - Build haulage routes from imported roads
  - Identify when changes are made to source haul roads file
  - Refresh the haulage data when any design updates are made
  - A new haulage search radius function

- Many block model functions are now multi-threaded allowing for increased performance and significantly reduced scheduling times.

- Support provided for Microsoft Windows 10, Office 2013 and 2016.

- Support provided for Microsoft SQL 2012, 2014 and 2016.

- Full Russian language, Cyrillic, and Chinese character support.

- A new CSV importing tool to create free block models.

- End of period surfaces can now be generated for individual locations.

- Licensing modifications allow up to 10 instances of MineSched to be run simultaneously from 1 license.
- The full suite of Micromine file formats are now supported.
- New standard reports provide more detailed reporting on all activities defined in the schedule.

GEOVIA Whittle™

- A new Advanced Simultaneous Optimization (SIMO) module has been added.
- The standard SIMO scheduling engine was updated from XA to COIN-OR improving processing times.
- Advanced SIMO can now be undertaken on multiple mines.
- Excel spreadsheet reporting has been added to the SIMO modules for more robust reporting.
- Improved ability in SIMO modules to set the leads and maximum benches per period.
- When using Advanced SIMO module, the limit of processing paths has been updated from 3 to 30.
- When using the Advanced SIMO module, all blending constraints have been removed.
- Support provided for Microsoft Windows 10, Office 2013 and 2016.
- Limits on the number of expressions that can be used have been removed.

GEOVIA InSite™

- New Dashboard module providing the ability to visually review data. New dashboard components include:
  - Line/Bar/Pie charts
  - Material Flow
  - Heat map
  - KPI
  - SSRS reports
- Support provided for Microsoft Windows 10, Office 2013 and 2016.
- Support provided for Windows SQL Server 2012 R2 and 2014.
- Improved Data Entry load time.
- Performance improvements in Central Monitoring.

- Usability Improvements in Shift Management.
- New Equipment Rates and Employee Rates loader for Activity Costing.
- Adapter configuration mapping now provides the option for Activity Event values to be set as Claimed or Estimated.
- Security now available for individual adapters. Security can now be set at adapter level.
- Ability to convert multiple WAGs to Surveys in Stockpile Management.
- Reason codes available in Inspect and Correct.
- Ability to change event types in Production Progress.
- Russian language support.

GEOVIA PCBC™

- Advanced Tactical Sequencing tool for PCSLC. Allows for seamless transition between actual production and future planning.
- Tactical Sequencing tool was improved by adding additional constraint as average advanced rate per tunnel, maximum area to be blasted and better manage of lead-lags.
- Added Restart option to PCBC Playback tool.
- Tunnel Display overrides for improved stepping in the PCSLC Planning tool.
- Enhancements to DXF export for draw points, rings and bucket data.
- Upgrades to PCBC Footprint Finder including audit analysis and geotechnical risk options.
- Further improvements to PCSLC Draw Management System (DMS) for daily operations.

GEOVIA Hub™

- Extended OS/platform support for Hub Server: The Hub Server is now available on Windows Server 2012 R2 and with Microsoft SQL Server 2014.
- Extended OS/platform support for Hub Client: The Hub client is now supported on Windows 10.
- SQL Server Reporting Services templates have been added to offer simple deployment of reporting against Hub Store content.

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