Rolta Software for Walkthrough

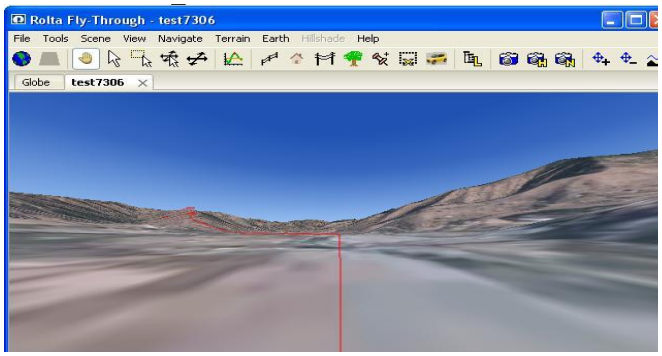
Version 10.0

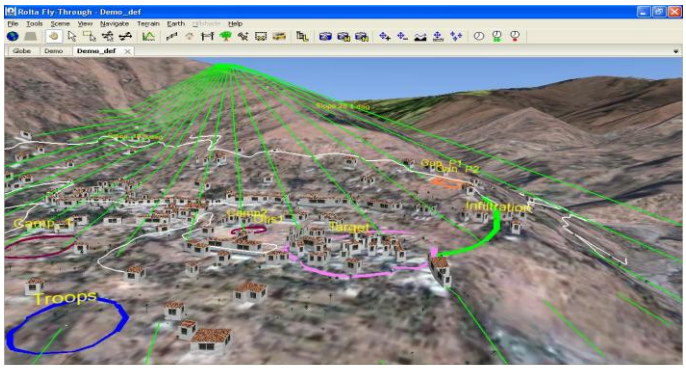
Rolta Software for Walkthrough (RSW) is a powerful yet 'easy to use' terrain visual analysis tool which offers to create, edit and manipulate capabilities in 3D Environment. Unique and well defined workflow to handle elevation data represented as TIN and GRID. 3D rendering and fly-through simulations of RSW enable improve operational efficiency of defense user through better and near-realistic terrain visualization.

TIN | **GRID** | **FLY THROUGH**

Rolta Software for Walkthrough (RSW)

- **Rolta Terrain Analyst – TIN** – is for create, edit and analyze surface, Contour and elevation 3D data models.
  - Effective Contour creation techniques with huge data set.
  - Customized Defense workflow to handle 2D contours to DTED and Supported different views as Isometric, left, Top, etc.
- **Rolta Terrain Analyst – GRID -** is a flexible, powerful and user-friendly module with sophisticated visual analysis capabilities.
  - Powerful Visibility Analysis tools and Generate color coded image and Shaded relief with sun shading control
  - Easy Import and Export of DTED and other elevation formats.
- **Rolta Terrain Analyst – FLY THROUGH** - is a unique module enabling realistic terrain modeling and interactive real time fly.
  - Easy fly-Model creation and intelligent Route and Navigation Management system





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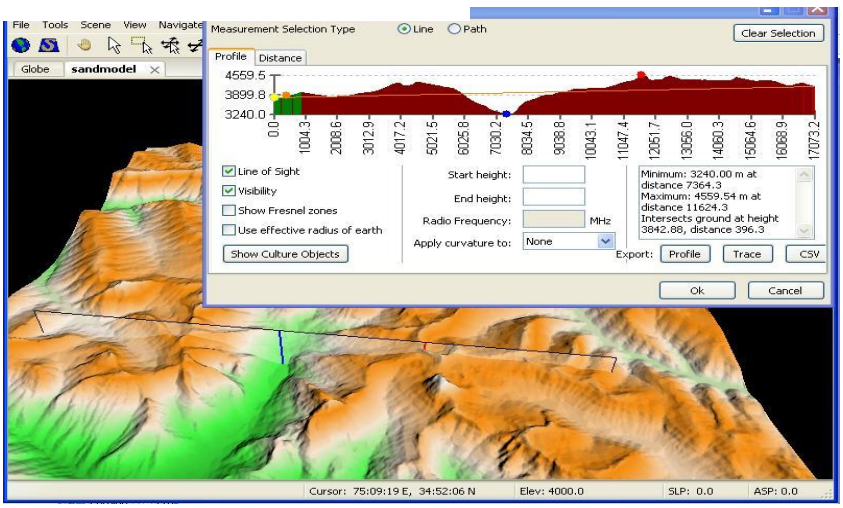
Key Features

- Effective Contour creation technique and easy handling of larger data. Better tools to visualize the contour and elevation data in different views as Isometric, left, Top and etc to ensure the quality
- Create Hill shade and color coded wireframe from elevation data based on TIN method
- Customized Defense workflows to handle 2D Contour to DTED and Quick export and import of Elevation data as DTED, Arc ASCII, DEM etc
- Powerful Visibility Analysis tools as Line of sight, visibility polygon and Visibility fan.
- Customized MIL tools to create Map, Overlay and place Military Terrain Tactical symbols. Display DGN as per the DVD standard specification.
- Optimized workflow for fly model creation and view in flythrough.
- Quick Overlay of vector data as predefined layers as Road, structures and vegetation or as generic layers as Point, Line, polygon and text.
- Enhanced import option of 2D point as Icons, Marker and 3d symbols and it can be displayed as static mode or Billboard type in fly model.
- Supports 3D symbols in different formats include Indian Military tactical 3D symbols (*.X, *.3ds , *.obj and *.flt formats)
- Visualize the fly through model in Normal View, Man Eye View and Birds eye View and record and play back the fly through as an movie file in *.avi format.
- Profile view for the user defined area in the fly through model to understand the terrain and to carry out the Visibility analysis like Line of Sight

Benefits

- Visual detection and Elevation editing improves the Quality
- Well defined Workflow for model and Overlay creation which improve Productivity
- Supports various formats of 3D Symbols enable to get the rich user experience
- Hassle free Navigation tools to increase user experience.
- Easy to handle large data sets
- Ability to view terrain models in different angles
- Military mission planning and rehearsal, in vehicle navigation, and training
- realistic visualization of Terrain with Attribute and texture Mapping
- Topographic mapping and Slope Analysis
- Environmental and natural resource Management
- Urban Planning and analysis
- Aerial Visualization of Real estate and Travel destinations
- Easy navigation mode as Dynamic flyer and Grab Pivot for easy move around the model and panoramic flyer.
- Easy Steps to create sand model from shaded relief and visualize in Isometric and planar Views
- Interactive way point creation, store, edit way point and facility to fly along the waypoint and selected features



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