

Tactical Display Framework



High-performance, geospatial visualization for advanced tactical applications.

Benefits

- Mature feature set promotes focus on customization over new development
- Plug-in architecture supports rapid prototype development
- Development tools and example source minimize developer training
- Environment-independent information models support multiple services and missions
- Easy integration with external middleware and data sources
- Consistent, easy-to-follow design patterns promote intuitive operator interaction
- Customizable look and feel allows for seamless integration
- Out-of-the-box display performance meets or exceeds the most demanding mission applications*

The Raytheon Solipsys Tactical Display Framework (TDF) is a scalable, high-performance, geospatial visualization software toolkit used to develop displays and advanced information systems for such demanding applications as Command and Control, Air Traffic Management, Missile Defense, Wide Area Surveillance, Emergency Response and Disaster Management, and Distributed Mission Operations.

Written entirely in Java™, TDF is platform-independent and operates on any COTS laptop or workstation running Windows®, Linux® or Solaris™. TDF's open, plugin-driven architecture makes it easy for developers to customize TDF for any tactical application.

The development of TDF is centered on real-world applications in multiple mission areas with operator feedback and design input as an integral part of the development process. Standard configurations can be purchased directly on General Services Administration (GSA) Schedule GS-35F-0069L or tailored configurations can be system-engineered for specific applications.

TDF's highly modular design makes it easily adaptable to specific operators, roles, or multiple mission applications.

At the operator level, the layout and appearance of the display can be tailored for an individual and saved for repeated use. At a system administrator level, certain features and configurations can be “locked

down” or customized to ensure a specific operational environment without requiring any changes to the software.

At the application level, plugins can be added or removed to customize the display for a specific program or product line. Shortcut, one-click application buttons can be defined to execute repetitive and time-critical tasks, thereby reducing training time and increasing operator efficiency.

Technical support is available 24/7 by telephone and e-mail. Formal classroom training for all Solipsys products is available at the customer site or Solipsys headquarters.

* Past deployments validated at greater than 20,000 tracks

Chat

Communicate with anyone, anywhere without leaving TDF. Chat within your workgroup or remotely via IRC and XMPP/Jabber. Take action right from a chat pane with automatic data detection.

Collaborations

Share key information with the workgroups who need them. Work with everyone or start a new collaboration to share Attention Arrows, Telestrator Scribbles, Track Lists, Overlays, and more.

Offscreen Indicators

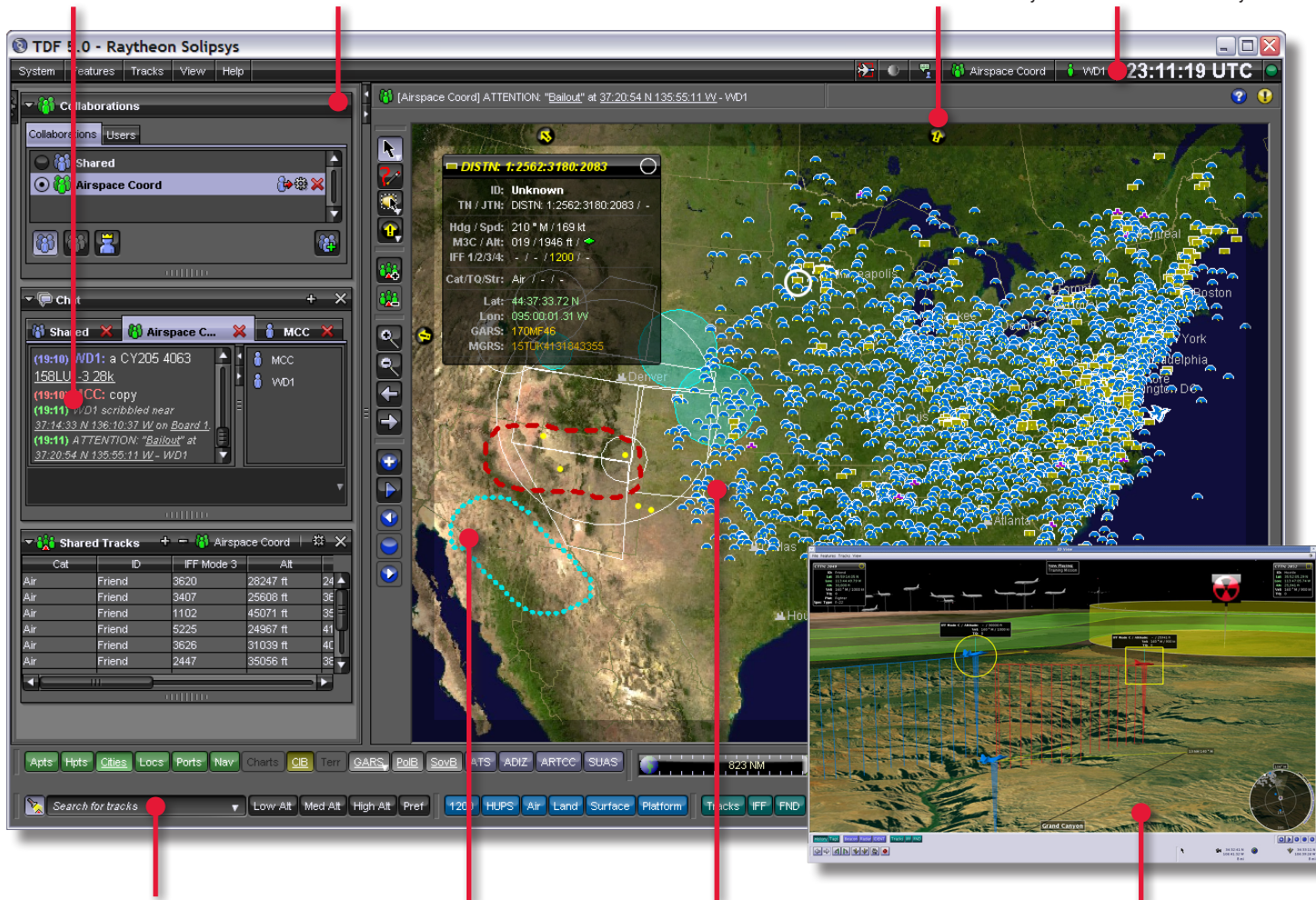
Know what you're missing and get there in an instant. Meaningful indicators at the edge of the TacSit show you when items of interest are beyond your field of view.

Status Indicators

Get instant information about the performance of your system.

Fast User and Role Switching

Take command of your identity and let your workstation work for you.



Search and Spotlight

Find and highlight your tracks of interest without losing context.

Configurable Toolbars

Save your search as a toolbar button, and reconfigure your toolbars to meet your needs.

Telestrator

Draw attention to the situation by scribbling directly on the map.

Overlays

Create points, paths, areas, zones and volumes; or import them directly from an ACO.

Customized Presentation

Choose from MS-2525B, MS-1477C, MCE, Iconic NTDS symbols, or create your own. Customize the symbol sets and colorizers for your sensor plots and history trails. It's your data; make it work for you.

3D Visualization

Take command of your mission in full 3D. Unlock new possibilities for tactical and strategic situational awareness, mission planning, and debrief by exploring your data from any perspective.

Map Formats

- NGA Raster Product Format (NITF, CIB, ADRG/CADRG)
- NGA Vector Product Format (VPF, VMAP, WVS, DNC, more)
- Digital Aeronautical Flight Information File™ (DAFIF)
- Digital Terrain Elevation Data® (DTED)
- GeoTIFF
- Web Mapping Service (WMS)
- KML
- Shapefile
- WGS-84 Earth Model
- Mercator, Orthographic, Equidistant Cylindrical Projections

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