



## Produce, Access, Update and Share Geo with Anyone, Anywhere

TerraGo® Technologies geospatial collaboration software and GeoPDF® maps and imagery are among the most widely adopted solutions to produce, access, update and share geospatial information with anyone, anywhere. TerraGo solutions enable enterprises to extend and exchange geo-referenced maps, imagery, audio, video and other intelligence in connected and offline environments.

### TerraGo GeoPDF:

Maps, imagery and data that anyone, anywhere can use:

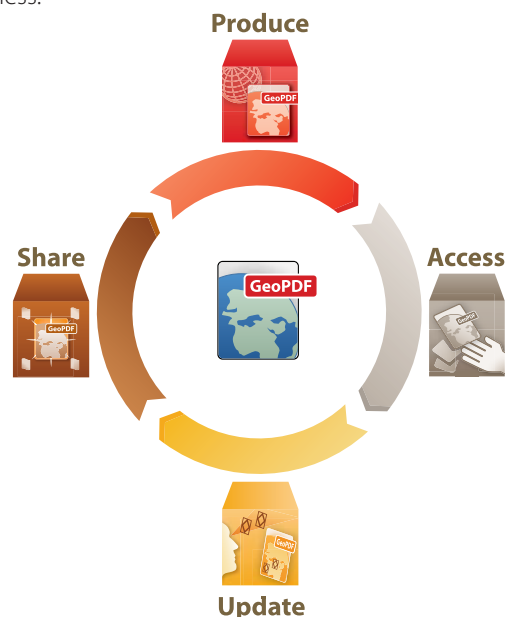
- Interactive, dynamic georeferenced PDF
- Produced from leading geospatial applications
- Continuous multi-coordinate display
- Compact and portable
- Layers and features from GIS
- Supports georeferenced audio, video, data and other information
- Offline capability
- 2D and 3D visualization
- Patented methods and systems

### TerraGo Software

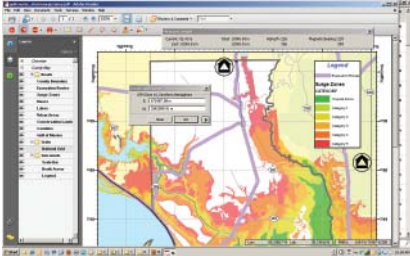
- **Publisher Suite:** TerraGo Publisher™ extends leading geospatial applications to create highly portable, interactive, multi-layered GeoPDF maps and imagery.
- **Composer Suite:** TerraGo Composer™ integrates and assembles multiple maps, images, spatial data, and other intelligence into GeoPDF MapBooks to create comprehensive, information-rich geospatial products.
- **Collaboration Suite:** TerraGo Toolbar™ and TerraGo Mobile™ enable end users to interact with GeoPDF, gather on-the-ground intelligence, and collaborate with other users.

By enabling geospatial collaboration and distribution of valuable location-based intelligence to anyone, anywhere, TerraGo software and GeoPDF solutions help people and organizations see and know more in a geospatial context. With this intelligence, mobile field personnel such as warfighters, first responders, and commercial agricultural, petroleum and utility workers can make better decisions and improve effectiveness.

*TerraGo integrated software suites enable users to produce GeoPDF maps and imagery, update geospatial intelligence while connected or offline and share current information peer-to-peer or with the enterprise.*



## Geospatial Collaboration with TerraGo Software and GeoPDF Solutions



TerraGo Toolbar and GeoPDF

**Easy to use, easy to distribute:** TerraGo GeoPDF maps and imagery are georeferenced versions of standard PDF files, serving as highly portable containers of mapping information, imagery and data from geospatial applications. TerraGo software delivers rich interactive GeoPDF maps and imagery via applications that are intuitive for anyone to use. These geospatial products are so small they can be disseminated globally online or via DVDs, flash drives and other media.

**TerraGo Toolbar and TerraGo Mobile:** Operational field personnel with desktops or laptops use GeoPDF via Adobe® Acrobat® or Reader® applications and the TerraGo Toolbar, an extension to Adobe software. End users can also interact with GeoPDF via the TerraGo Mobile application on a smartphone or rugged handheld device. Through these applications, GeoPDF delivers capabilities such as:



TerraGo Mobile and GeoPDF Maps

### Access Geo

- Access map, imagery and feature information, even when offline
- Customize view by turning layers on and off
- Reference up to three geographic coordinate systems
- Switch to Google Maps™ view
- Measure length and area
- Track location via GPS

### Update Geo

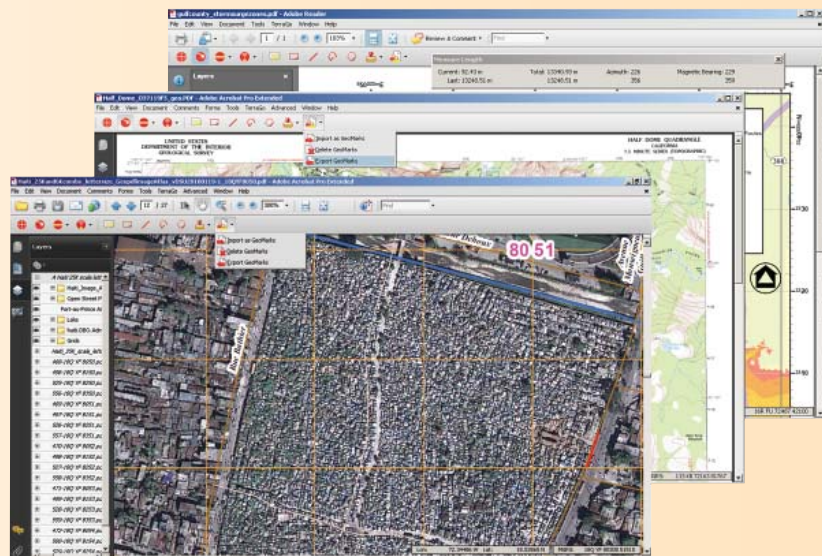
- Update field observations as georeferenced points, lines, polygons, and stamps—or in forms
- Embed georeferenced multimedia such as comments, images, video, audio and hyperlinks

### Share Geo

- Share new intelligence and collaborate with peers in the field by simply exporting and importing information as Shapefile, KML or a TerraGo collaboration package
- Roundtrip field information such as georeferenced notes and multimedia files back to GIS and other enterprise systems

With these capabilities, GeoPDF solutions present an ideal platform for roundtrip collaboration, transferring intelligence from geospatial applications from the field back to the enterprise between disparate systems and organizations, and peer to peer.

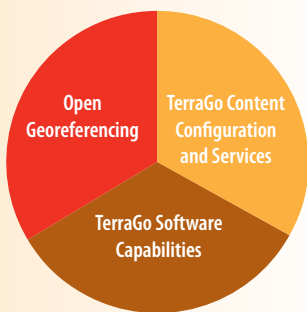
*GeoPDF enables users not often trained in GIS to access, update and share geospatial intelligence*



### GeoPDF Maps & Imagery: Key Features

- **Designed for Collaboration:** Collect and share on-the-ground intelligence and contribute information to enterprise applications.
- **Geospatially Intelligent:** Georeference comments, multimedia and other information with TerraGo Toolbar and TerraGo Mobile.
- **Easy to Use:** As an extension of PDF, GeoPDF makes it easy for anyone to access and interact with complex geospatial intelligence.
- **Compact and Portable:** Optimize GeoPDF map and imagery size to facilitate broad distribution and sharing of geospatial assets between people and organizations.
- **Capable of Robust, Customized Presentation:** Create user-friendly 2D and 3D GeoPDF maps and intricate GeoPDF MapBooks with TerraGo’s easy, comprehensive functionality.
- **Network Independent:** Deliver critical geospatial capabilities in often disconnected environments such as disaster sites, battlefields and remote locations where many mobile users operate.
- **ISO/OGC Compatible:** GeoPDF conforms to the specifications published by the Open Geospatial Consortium as an OGC Best Practice and those published by Adobe as proposed geospatial extensions to ISO 32000.

### The Three Components of GeoPDF



### What Makes it GeoPDF?

TerraGo Software produces GEOPDF maps and imagery. TerraGo Publisher and TerraGo Composer establish the specialized components of GeoPDF:

- Open georeferencing process used to create geospatial PDF
- Configuration of GeoPDF content and services
- Keys and rights of GeoPDF that “turn on” full capabilities in TerraGo applications.

### The Advantages of TerraGo Software and GeoPDF

TerraGo invented the methods for georeferencing PDF files and holds a U.S. patent (#7,562,289) for the process. We have opened up our technology to our partners and published georeferencing methods to standards organizations. Therefore, a number of applications create geospatial PDF.

However, GeoPDF maps and imagery are unique beyond the process of embedding geographic coordinates in PDF. With our integrated software suites, TerraGo is focused specifically on rich, comprehensive functionality, collaboration capabilities and ease of use for both GeoPDF authors and end users.

## The GeoPDF Difference: Comprehensive Geospatial Collaboration Capabilities

<b>Collaboration</b>	TerraGo Toolbar compatible
	Import/export markups associated as Shapefiles to/from ArcGIS, etc.
	Import/export markups associated as KML to Google Earth
	Import/export markups and associated files as XML collaboration payloads to/from geospatial applications
<b>End-User Functionality and Usability</b>	Display multiple geographic coordinates
	Select coordinate systems and display up to three
	Continuous coordinate display
	Superior compression for small file size
	High-quality imagery and vector display
	GPS integration
	Link to Google and Bing maps
	One-click object data selection
	Add points, lines, polygons and stamps with geospatial context
Embed multimedia and documents with geospatial context	
<b>Specifications</b>	Compatible with ISO 32000 and proposed extensions for geospatial PDF
	Compatible with OGC best practices (08-139r2)
<b>Content</b>	Custom selection of data, attributes and layers from geospatial applications
	Layering from geospatial applications
	Fine control of layer output from geospatial applications
	Hyperlink preservation from ArcGIS
	Scale-dependent feature visibility during export
	Multiple map frames and coordinate systems
	Preserves vector graphics and text, maintaining styles, symbols and fonts
	Compressed or tiled images for fast display
Superior control of raster imagery output	
<b>Advanced Features</b>	Geo-applications scripting logic
	Compatible with georeferenced 3D PDF files
	Optimize for mobile device display
	Mobile collaboration capability
	Advanced map book composition capability
Server-based publication capabilities	
<b>Customer Support</b>	Live call center support for GeoPDF creation and use

### Learn More

To learn more about TerraGo Technologies and download a free trial solution or the free TerraGo Toolbar, **visit [www.terragotech.com](http://www.terragotech.com) or call 866-453-1609.**