



# Meridian

## Benefits

Simplifies the central management of large amounts of geospatial imagery data from a multi-platform, web-based interface

Automates the extraction of geospatial imagery for display on TDF-based client workstations

Ensures the most up-to-date imagery is always available for situation awareness anywhere in the world

Supplies comprehensive system status and monitoring tools to assist in data management

Supports all of these imagery formats:

- ADRG/CADRG
- CIB
- NITF
- DTED
- GeoTIFF
- WMS

## Automated Geospatial Imagery Discovery, Exploitation and Deployment

Today's networked operations centers demand the latest, up-to-the-minute geospatial intelligence to support situation awareness across every domain of activity. From surveillance to command and control, from disaster preparedness to emergency response, mission operators need the very best information in order to detect, analyze, prepare and respond to situations as they unfold. Current methods of deploying new or updated geospatial intelligence data to an operational system often require labor-intensive preparation of the data for production. In many environments, deployment is a manual process that requires updating every workstation, which can interfere with mission execution or even prevent timely exploitation of the latest information.

Meridian is a unique and innovative product that fully automates the discovery, extraction and deployment of new or updated geospatial intelligence data for immediate use in a networked operational environment. Intelligent scanning agents rapidly search multiple, preconfigured imagery repositories for new or updated data sources, detect and discriminate between various imagery types, and schedule them for unsupervised extraction. Once extracted, these data products are deployed automatically for on-demand service to any number of client workstations. Meridian saves system administrators time and effort, streamlines configuration management processes, and provides the latest intelligence to operators as they need it by eliminating the effort associated with exploitation data updates.

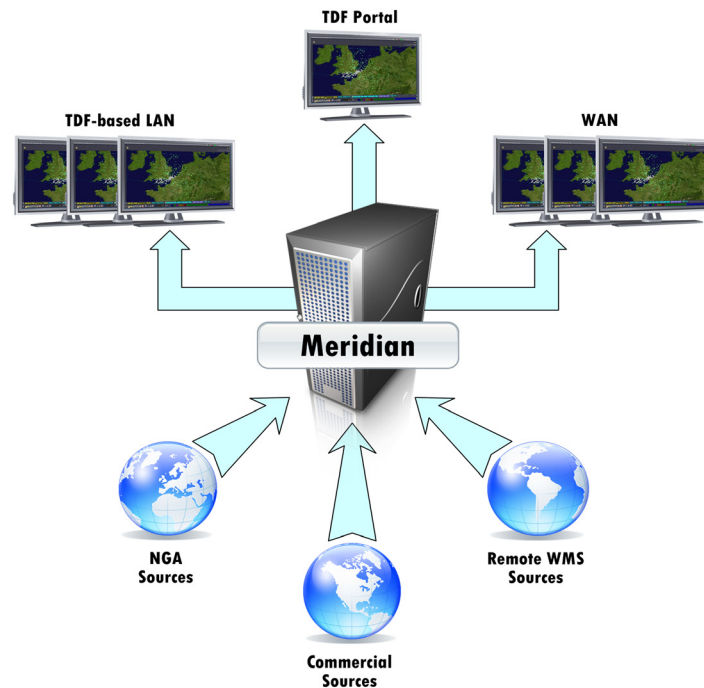
# Accelerate the exploitation of geospatial intelligence on your network

## Simplified Access to Data

Meridian makes it easy to establish a centralized data repository to serve a network of workstations powered by the Tactical Display Framework (TDF). Available Meridian servers appear automatically in TDF's Discovery display and are easily selected as a remote imagery layer in TDF's Maps application. Available data is grouped by imagery type and resolution, eliminating the need for operators to sift through endless lists of data products to find exactly the right set. Once selected, operators can adjust visibility, filters and other display settings just as they could if the imagery were located on their own hard drive. Additionally, changes to imagery settings are stored along with the operator's profile and are easily transferred from one workstation to another.

## Simplified Server Administration

The platform-independent, web-based Meridian Configuration Tool makes it easy for a system administrator to set up and monitor the extraction and service of imagery data from anywhere on the network. A graphical dashboard offers simple, at-a-glance status and statistics to help administrators track deployment and usage, and to tune their systems for optimal performance. Meridian also makes it easy to identify data products that have been replaced by newer versions, and to clean up or archive old data to recover disk space.



## Scalable and Extensible

There is no pre-defined limit to the number of workstations that can connect to a Meridian server. Meridian is designed to scale along with the hardware on which it is installed to make sure that it offers best performance for the needs of the workstations on its network. Multiple Meridian servers may even be deployed on the same network to support segregation of data products in any number of configurations. TDF-based workstations will discover all of them automatically. Meridian also uses open standards to make its data available to third-party clients via WMS or tile-based URL schemes.

## A Variety of Data Sources

Meridian can discover and extract data from a variety of sources, including local hard drives, network-attached storage (NAS or SAN), removable hard drives, or other removable media such as CDs or DVDs. Each source can be configured individually to allow Meridian to search for new data according to a fixed schedule, at pre-defined intervals, or only upon command. Or, Meridian can retrieve imagery from remote sources on-demand via WMS.

### Recommended System Requirements

Intel Quad-Core or Multi-Processor  
4 GB RAM  
1 TB Hard Disk\* with redundancy  
Gigabit Ethernet

\*Hard disk storage requirements are highly dependent upon actual operational requirements.

Meridian is compatible with TDF 4.6 or MSCT 4.9 (or higher) workstations. For best results, some features may require the latest maintenance releases of each product.

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