

NaviGate™ Document Manager Module

Software Product Description

Product Summary

Construction and maintenance personnel need field access to current electronic drawings. Most utilities still satisfy this need by printing out “map books” and taking paper maps into the field. The *NaviGate* Document Manager Module is a *NaviGate* extension that maintains a complete and current set of engineering drawings and related documents on mobile laptop or tablet computers, utilizing the Web-based *NaviGate* platform to distribute the files.

Description

The *NaviGate* Document Manager Module manages catalogs of electronic maps and drawings. The drawings, organized by region or district, are downloaded to a laptop or other field computer. The Document Manager keeps the laptop’s catalog current, while still allowing the user to make notes and other changes and upload those changes to the central database. The module provides the following specific features:

- Document catalogs are automatically synchronized between the central repository and any number of field computers. Field computers are updated with new data and new files from the server with a single mouse click.
- Documents can be “located” on the map, either automatically (in the case of documents containing an electronically-readable spatial location) or manually (by manually drawing a bounding box in the *NaviGate* map).
- Uploads and downloads of changed data can be performed from a wired desktop or even in the field over slow wireless links. The Document Manager efficiently synchronizes only the data that changes, and tolerates unreliable network links.
- Uploads of large volumes of data (for example, when a new mobile computer is first initialized) can be either completed over a high-speed network or by taking a CD to the field computer. The data from the CD is efficiently and easily copied from the CD to the local machine, and the local cache is updated. Internal controls prevent older files (for example, on an out-of-date CD) from accidentally over-writing newer cached local files. Administrators can use the Document Manager’s Export function to easily produce a CD.
- Users in the office can also access the catalogs of drawings via the standard *NaviGate* application, and receive reports on field update of drawings and drawing data.
- Local documents can be accessed by the *NaviGate* Field Module to integrate locally-cached drawings and other documents with the maps in *NaviGate*.

Data Requirements

The Document Manager Module supports documents in any Windows-supported file format. The Module displays and manages the spatial location of the document in the same coordinate system (projection and datum) as the remainder of your *NaviGate* data. The document catalog is stored in any standard relational data source supported by *NaviGate*.

Installation and Configuration

The purchase price of the *NaviGate* Document Manager Module includes professional installation of the software by a Gatekeeper Systems technician, and integration of the module into your existing *NaviGate* application. Contact Gatekeeper Systems for more information.

Software Prerequisites

The *NaviGate* Document Manager Module uses the functions and features of the standard *NaviGate* application framework. You may add this module to any current version of *NaviGate*.

Support Options

Standard Support is available for this module, providing support via email, the Internet and telephone during normal Gatekeeper Systems business hours. Standard Support also provides product updates as new versions of this module are released.

Pricing

Refer to the *NaviGate* Price List for current pricing. Volume and package discounts are also available. Contact a Gatekeeper Systems representative for more information.

Licensing

This module is licensed under the standard Gatekeeper Systems license agreement. The license agreement grants access to the software source code for the licensed module. A copy of the standard agreement is available upon request.

Ordering

The *NaviGate* Document Manager Module may be ordered by contacting Gatekeeper Systems. Please specify the *NaviGate* version with which you will be using this module.

Delivery

In most cases, the *NaviGate* Right-of-Way Module can be installed immediately. Contact Gatekeeper Systems for currently available delivery times.

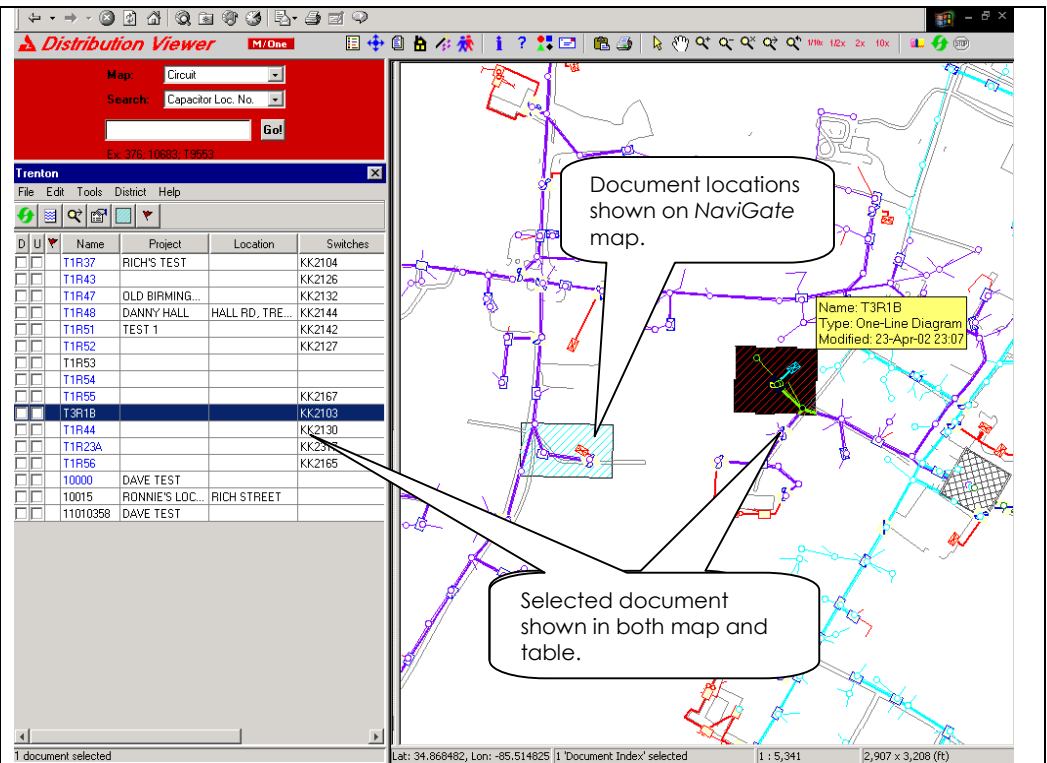
GKS Part Number: 5318-DM1-1

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Visualize Documents on the Map

The NaviGate Document Manager maintains a list of current documents on each laptop while also keeping all changes to those documents synchronized back to the central server.

The document catalog is shown on the left. The location of documents in the document catalog is shown in the map. Selecting a document in the list also selects it in the map, and vice versa.



View and Edit Documents

Double-clicking on a document in the catalog opens it directly from the local cache. If the document in the local cache is not already up-to-date with the central server, the Document Manager notifies the user who can opt to download the latest version now, or defer that operation to a later time (for example, when the laptop is connected to a faster Internet connection back at the office).

Users can change either the document itself or the document's catalog data (for example, the name of the project the document is associated with). Changes will automatically synchronize with the central server when the laptop is connected again, either wirelessly or via a wired connection.

