

NaviGate™ Field Option

Software Product Description

Product Summary

The standard *NaviGate* system is designed around office use, and presumes a modestly fast Internet connection and large display screen. The *NaviGate* Field Option provides a new customized user interface optimized for use on generally slower wireless-connected mobile computing devices where the user interface is smaller and likely to be pen-based rather than mouse-based. The Field Option also provides extensive support for taking data into the field via wireless connections or utilizing a synchronize-and-go disconnected mode of operation.

Product Description

The *NaviGate* Field Option addresses the needs of a wireless-connected mobile interface to a *NaviGate* system. The Option provides the following specific functionality:

- A field-optimized user interface is provided. The new interface uses fewer, larger UI elements, simpler report output, and bolder iconography in the map display.
- The Field Option user interface is tightly integrated with the standard *NaviGate* user interface and provides access to a subset of the same *NaviGate* reports and features. Reports can be either identical to the reports available in the *NaviGate* office application, or customized from that base to make them more usable in the field.
- The Field Option provides special tools for limiting the amount of data transmitted over the slower wireless link.
- Unused features and reports can easily be edited out of the Field system, avoiding clutter and unnecessary communications overhead.
- The Field Option can use either the same user authorization database or a separate database for field users. Separate usage reports are also available.
- *NaviGate* applications are often configured to display large document libraries, scanned maps, and other images and “softcopy” output. The *NaviGate* Field Option can be configured together with the *NaviGate* Document Manager Module to manage a cache of documents that is synchronized from a central server but maintained in the field.
- Using a sophisticated data synchronizing engine, the Field Option allows users to take transactional data into the field, make changes, and efficiently upload those changes to the central server and database. This functionality makes the Field Option ideal for building mobile applications for work orders.

Data Requirements

The Field Option can be configured as part of any standard *NaviGate* application and shares data with the standard application. The *NaviGate* Field Option requires that the data to be displayed in the Field system have already been configured in your standard *NaviGate* system.

Installation and Configuration

The purchase price of the *NaviGate* Field Option includes professional installation of the software by a Gatekeeper Systems technician, and integration of the Option into your existing *NaviGate* application, and assistance with configuration of your field computers and wireless network. Contact Gatekeeper Systems for more information.

Software Prerequisites

The *NaviGate* Field Option uses the functions and features of the standard *NaviGate* application framework. You may add this option 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 option is licensed using the standard Gatekeeper Systems license agreement. The license agreement grants access to the software source code for the licensed option. A copy of the standard agreement is available upon request.

Ordering

The *NaviGate* Field Option 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* Field Option can be installed in one to seven days. Contact Gatekeeper Systems for currently available delivery times.

GKS Part Number: 5318-FO1-1

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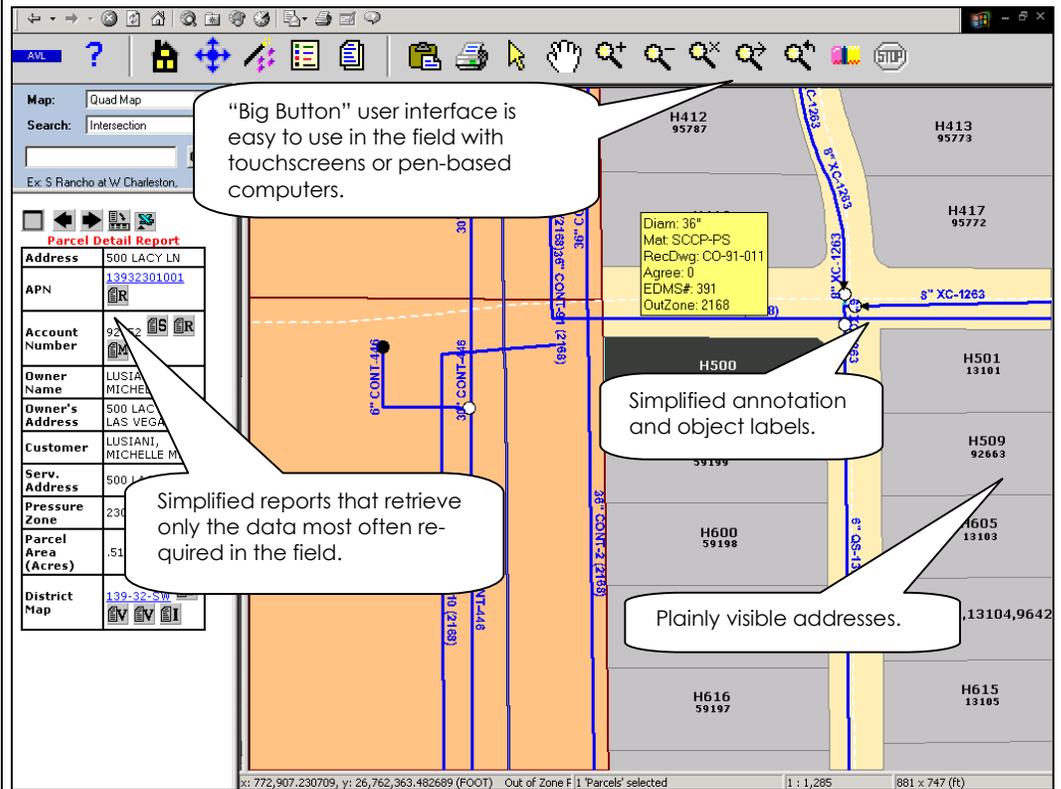
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Field Interface Optimized for Laptops and Tablets

The NaviGate Field Option provides a separate, customizable user interface for field computers using the NaviGate system wirelessly.

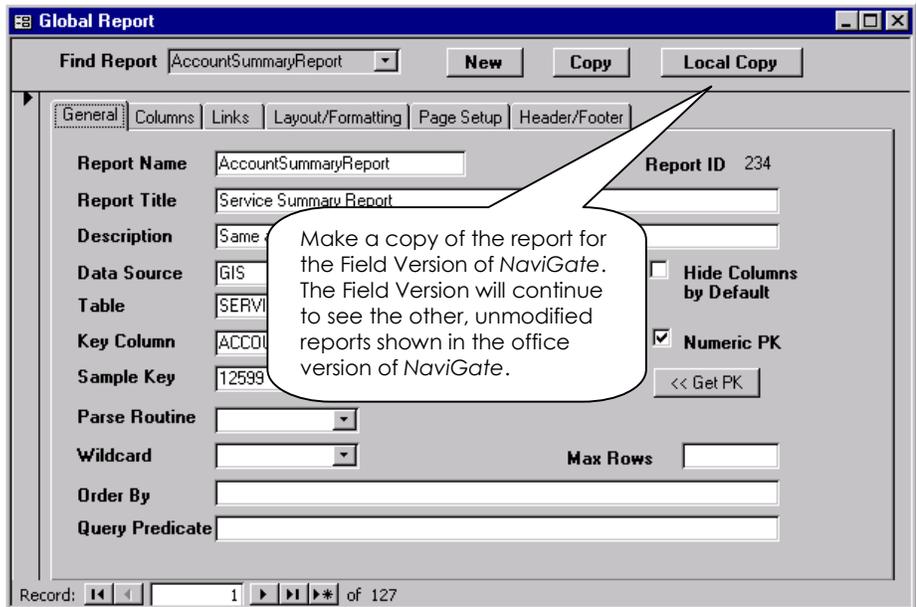
NaviGate users in the field have access to the same data, queries, and reports. The simplified user interface removes less frequently used options, report elements, and map objects. Buttons are bigger and easier to use, and menus are distilled down to the essential reports used frequently in the field.



Configuration Interface For Report Engine Builds Report Subsets

The NaviGate Report Engine is an integral part of the NaviGate system. For the Field Option, NaviGate reports for the field can be based on the office reports but then modified or reduced in complexity for use in the field.

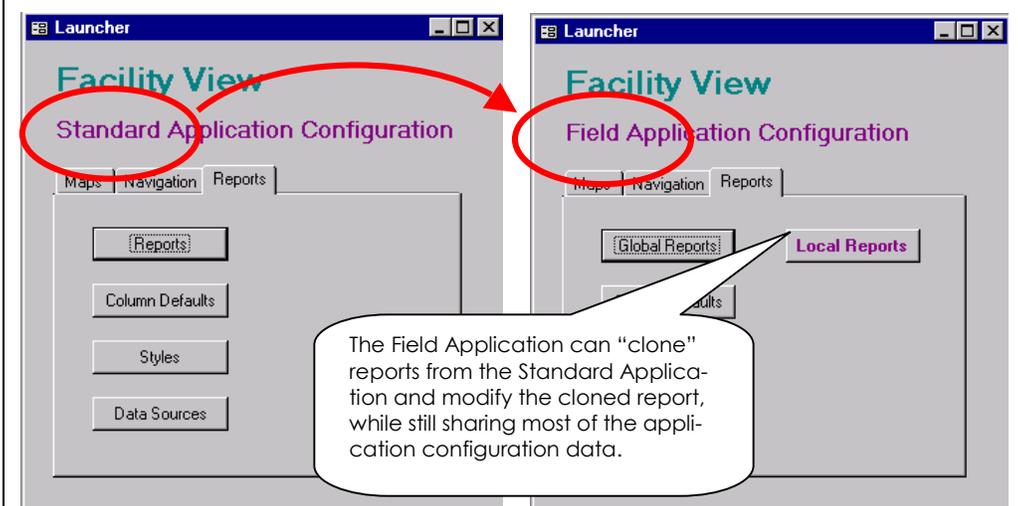
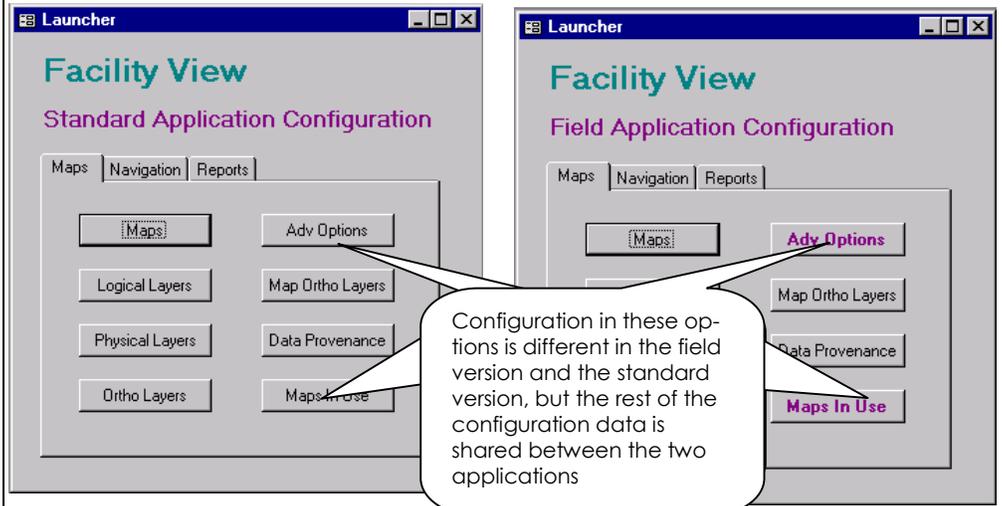
The NaviGate report configuration interface lets the system administrator make a "local copy" of a NaviGate report and modify that local copy for the field application. In this way, the field application can take advantage of all of the reports used in the office, but modify those reports that are most often used in the field so that they return less data, are simpler to read, and are easier to use.



Separate Configuration Interface

The Field Application Configuration uses the same data as the Standard Application Configuration, but extends it with local modifications.

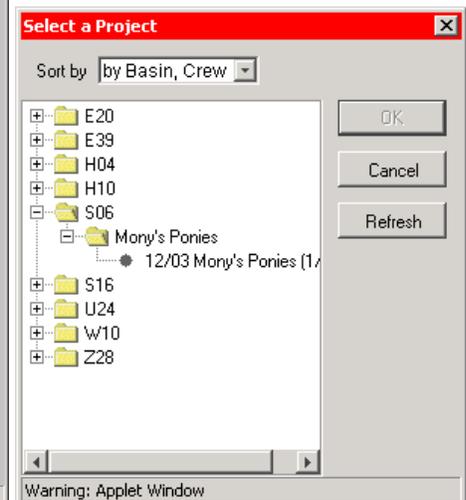
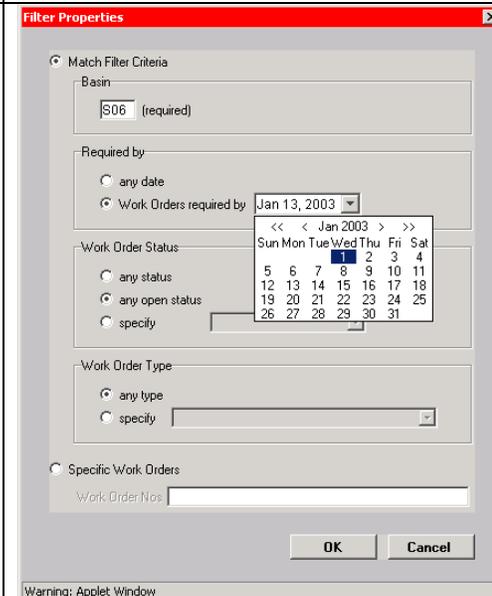
The Field Application has different configuration data for the Advanced Options and Maps In Use. These differences allow the NavGate System Administrator to make the Field Application much simpler, without duplicating the entire application.



Mobile Data Management

Using the Field Option, field operations supervisors can use the map to spatially create work lists and store those in your work management system.

Supervisors can also click on objects on the map to assign a sequence to work orders.



Mobile Data Management

You can use the Field Option to take operational data into the field and keep that data tightly coupled with the NaviGate database. The Field Option includes powerful tools for efficiently synchronizing from the central database into mobile computers, providing for update in the field, and then moving the updated data back to the central database.

The Field Option works in a wireless network configuration (with slow-speed and unreliable network connections) or it can be used in a "load and go" manner with synchronization at the beginning and end of a trip into the field.

The top screenshot shows the 'Sanitation Facility View - Microsoft Internet Explorer' window. The browser address bar shows 'http://san.gatekeeper.com'. The interface includes a 'Map: Work Orders' dropdown, a 'Search: Work Order' field, and a 'Go!' button. Below this is a table with columns: Stop, Blk, Street, Required, W/O, and Asset. The table lists 10 work orders for Hoover St, with details like '6000 HOOVER ST' and '10/01/02'. A map on the right shows a street grid with Hoover St highlighted in green and yellow arrows indicating directions. The status bar at the bottom indicates '5 Work Orders selected' and 'Lat: 33.98464 | 2 'Work Order Application' selected | 1 : 2,161 | 1,000 x 1,133 (ft)'.

The bottom screenshot shows the same interface but with a detailed view of a work order. The 'W/O # 02-032151-044' is selected. The 'Basin' is 'S06' and the 'Loc' is '6000 HOOVER ST'. The 'Desc' is 'PREVENTIVE MAINTENANCE'. The 'Up Node' is '557-05-083' and the 'Dn Node' is '557-05-084'. The 'Up Stn' is '10+4.32' and the 'Dn Stn' is '8+35.97'. The 'Pipe Size' is '10' and the 'Pipe Len' is '168.4'. A dropdown menu for 'Work Subclass' is open, showing options like 'HR - Hand Rodding', 'HB - Hand Cleaning Debris Basin (Stormwater)', 'HC - Hand Cleaning Channel (Stormwater)', 'HD - Hand Cleaning Catch Basin (Stormwater)', 'HY - Hydro-Flusher', 'MR - Mechanical Rodding', 'VA - Mechanical Cleaning (Stormwater)', and 'VC - Mechanical Cleaning Combo Unit (Stormwater)'. The status bar at the bottom indicates '1 Work Orders selected' and '1 'Work Order Application' selected | 1 : 2,161 | 1,000 x 1,133 (ft)'.

Use the Field Option Together With Other-NaviGate Modules

You can use the Field Option together with other NaviGate options for managing data in the field, including the NaviGate AVL Module, the NaviGate USA Module, and the NaviGate Work Order Module.

The screenshot displays the Facility View software interface. On the left, there is a search bar with 'Facility Map' selected and a search for 'Record Drawing'. Below this is an AVL data table. The main area is a map showing a street grid with several vehicles marked by colored icons and numbers. A yellow callout box for vehicle #402 shows its current status: Time: 13:27, Spd: 16, Hdg: 4.

Veh	Operator	Time	Spd	Hdg
#691	Velasquez, John	13:25	0	0
#692	Budesa, Richard	13:24	0	0
#403	Oliveros, Douglas	13:26	0	0
#653	Kelhofer, Don	02/2...	0	0
#745	Avery, Mark	13:23	0	0
#751	Silverstein, Jan	03/0...	0	0
#743	Bilbeny, Charles	13:22	0	0
#606	Lovett, Lori	13:23	0	0
#566	Barnette, George	08:58	0	0
#651	Kohler, Bart	13:23	0	0
#652	Green, Ken	13:27	0	0
#664	Jacobsen, Mike	13:26	0	0
#667	Perkins, Greg	13:24	0	0
#568	Davies, Miles	02/2...	0	0
#654	Malueg, Fred	13:22	0	0
#693	Alvarez, Javier	13:27	32	130
#637	Fortune, Vicky	13:27	0	0
#672	Hallahan, Wayne	08:15	55	358
#402	Littlefield, Kody	13:27	10	276

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