

# TMS6™

Next Generation  
Terminal Management System

Intuitive User Interface

Multi-lingual Support

Aligned with ERP Systems

Easy Access to Data

Flexible Security Control

The Best has Become Even Better





# TMS6 - "Next Generation Terminal Management System"

Since 1995, TMS has become the most widely used and trusted terminal management system in the world. With the introduction of TMS6, Toptech's next generation terminal management system, the best has become even better!

TMS6 is ideal for a variety of terminaling applications to support the operations of gasoline, light oil, LPG, chemical, fertilizer, and asphalt sites. TMS6 can also handle most any terminal configuration from a manual loading rack to facilities with multiple loading bays and a variety of electronic controls.

It doesn't matter whether you operate a single terminal or many; TMS6 delivers everything you expect and more.

## Introducing TMS6

### Features of TMS6

✓ Load Rack Control	✓ Order Management
✓ Terminal Balancing	✓ Client/Host Interfaces
✓ Stock Balancing	✓ EDI Interfaces
✓ Multi-user Support	✓ Extensive Reports
✓ Allocations Management	✓ Pager/E-mail/Fax Support

### Toptech Developed, Customer Tested

Because Toptech invited companies to participate in pre-release testing and feedback programs, the result is the most fully tested released product ever produced by Toptech.

"It's even easier to use than TMS5" is a common response from our customers as they familiarize themselves with TMS6. It's no wonder, with features like PDF reporting, improved menu navigation, comprehensive online help, and easily accessible data, TMS6 is truly a product designed with the end-user in mind. Our customers apparently agree; several installations were already planned to follow the production release.

### Attention to Detail

Toptech has incorporated suggestions from customers regarding online field level help and online documentation of the product. The result: An extremely complete and thorough documentation suite is included with TMS6.

### Another Level of Excellence

Users will get all of the Toptech reliability and performance of TMS coupled with a new, intuitive user interface featuring Microsoft .NET technology. Toptech Server technology is utilized to run the load racks.

The end result is another level of TMS excellence . . . As Douglas A. Dunlap, Toptech's CEO put it, "When you're competing with yourself, and your previous products set a high mark, you must make sure that you really have raised the bar again with your new product. TMS6 is just that kind of release."

## What's New?

### New User Interface

The TMS6 user interface is a Windows-based client developed using the latest Microsoft .NET technology. The result is an attractive graphical interface with good performance over both slow and high-speed connections. Mission-critical applications, however, are still controlled by the Linux server, so any lockup or failure related to the client PCs will not impact the ability of TMS6 to open gates, load trucks, or print BOLs.

### Aligned with ERP Systems

TMS6 incorporates database changes to more closely align with ERP systems. These modifications will assist in building interfaces to SAP or other ERP systems by reducing the amount of data requiring translation. An example of one of the enhancements is the expansion of the Stockholder, Customer, and Account numbers from 7 to 10 characters.

### Robust Multi-language Support

The TMS6 platform supports both single and double-byte languages allowing support of Asian character sets and resulting in a truly global terminal management system. TMS6 menus, help screens and driver prompts are all configurable for a multi-lingual environment.

### Simplified Database Access

TMS6 utilizes a high performance, multi-threaded database server with server-side ODBC, SQL compliant access from Windows clients. Third-party tools such as Microsoft Access or Crystal Reports can be used to access all TMS6 databases. TMS6 users also have the option to either fax or e-mail reports.

### Streamlined Setup and Configuration

Users will be pleased to know that setup and configuration data is better organized in TMS6. For example, setup information for data exchange services has been moved into a dedicated section. This transition will minimize inadvertent changes to these critical services.



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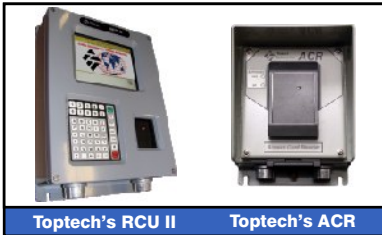
## TMS6 Features Overview

### Facility Status and Control

The TMS6 Facility Status Screen provides the operator interface to the load rack. The status of all gates, BOL print stations, driver staging areas, and load bays are presented.

### Gate Control

Entrance and exit gates can be controlled and activity logged by use of Toptech's Remote Control Unit (RCU II) or Toptech's Access Card Reader (ACR) with internal relay or external relay control via PLC or other microprocessor-based controls.



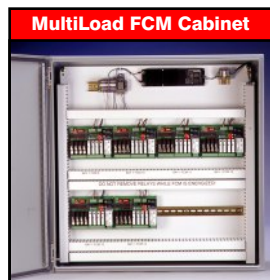
### Tank Gauging

Toptech's Tank Gauging option provides tank monitoring capability within TMS6. Tank levels, temperatures, and product quantities are available for display on the Tank View status screen. Data is monitored at configurable intervals. High/Low warnings/alarms may be set for each tank. TMS6 can also be configured to interface with automatic tank gauging systems for frequent data acquisition.

### Load Rack Automation

Toptech has extensive options available for load rack control. TMS6 supports electronic presets for rack blending or single product delivery, as well as pulse acquisition, temperature monitoring, and control for mechanical racks. TMS6's modular design supports different equipment, even on the same load rack.

TMS6 uses high level communications to all intelligent devices such as electronic presets and additive injectors, i.e. - **MultiLoad**<sup>®</sup>. When high level communications are not available, TMS6 provides control of meters and valves, pulse acquisition, and temperature averaging for mechanical load racks by supporting interfaces to PLCs or other microprocessor-based controls.



The MultiLoad consists of a Toptech Remote Control Unit (RCU) and a number of Flow Control Modules (FCM). One RCU is required for each lane. The RCU serves as card reader, load arm (preset) controller and additive controller for the entire lane. The FCMs provide the I/O to operate all meters, valves and injectors at the lane.

**Toptech MultiLoad - "Making Traditional Presets Obsolete"**

### Stock Accounting Features

TMS6 offers an extremely flexible and full-featured stock accounting system. This module provides stock accounting features for co-mingled inventory management of product owned by multiple stockholders using combined storage. Data entry screens are provided for manual entry of all bulk and non bulk product movement transactions. These include bulk receipts, bulk deliveries (disposals), product transfers, stock adjustments, product regrading, product compounding, product returns, and many more. Separate transaction types differentiate product transfers between tanks and product transfers between stockholders. Other transactions identify product transfers to and from other company owned facilities.

### Benefits of TMS6

#### System Flexibility ✓

TMS6 can handle most any terminal configuration from manual loading racks to facilities with a variety of electronic controls. In addition, TMS6 supports an unlimited number of drivers, carriers, and customers.

#### Improved Integration with Corporate Networks ✓

TMS6 supports better integration within the corporate network. For example, printer support for reports, etc. is driven by the connected workstation; any printer supported by the workstation is also supported by the application without further configuration.

#### Product Reconciliation ✓

TMS6 makes it easy to take control of product movements into and out of your facility. Standard reports are available to track load rack activity by account, carrier, product, or meter. Numerous other features are available to account for every gallon of product.

#### Improved Safety ✓

TMS6 monitors ESD status, grounding systems, overfill systems, and stow switches. TMS6 also utilizes configurable Load Start Timeout, Pump Run Timeout, and Load Completion Timeout.

#### Better Utilization of Manpower ✓

TMS6 simplifies the process of running a terminal. End-of-Day and End-of-Month processing is greatly simplified.

#### Excellent Integration with Corporate ERP Systems ✓

TMS6 can interface with your corporate ERP system allowing customer and transaction data to flow seamlessly through your entire network.

#### Standardized Operation Between Facilities ✓

Loading procedures and driver prompts can be standardized across all your terminals. Operational and reporting requirements can also be standardized.

#### Enhanced Product Security ✓

With TMS6, you can maintain control of who enters your facility, when they can enter, for what duration they may stay, and the products they can load.

#### Automated Data Conversion ✓

The migration from TMS5 to TMS6 is simplified with automated database conversion utilities. These utilities eliminate the need to re-enter existing TMS5 database information into TMS6.

# TMS6 - "Next Generation Terminal Management System"

## TMS6 Applications

- Refined Products Terminals
- Truck, Rail, Ship, Pipeline
- Propane/Butane Terminals
- Throughput and Exchange Facilities
- Metered Weigh Scale Operations
- Specialty Fueling - Airport and Fleet Fueling

**TMS is ideal for a variety of terminaling applications;** it is ideally suited for use at gasoline, light oil, LPG, chemical, fertilizer, and asphalt sites. Many custom features have been designed for specific industries.

### Refined Products Terminals

TMS6 provides full facility balancing from receipts through disposals. Many features are included for load rack control, tank monitoring, co-mingled stock, product allocations, load authorizations, and more.

### Truck, Rail, Ship, and Pipeline

The TMS6 system supports loading and off loading of trucks, rail cars, and barges as well as pipeline transactions.

### LPG Terminals

TMS6 offers many features specifically designed for LPG (propane, butane, isobutane, etc.) terminals. These include special mercaptan injection handling and reporting, maximum load support by trailer, and safety margin adjustments.

### Throughput and Exchange Facilities

Toptech offers products and services to give control and access to your load transaction data at exchange partners and throughput facilities. These range from driver data entry terminals, to fully automated solutions such as Toptech Data Services (TDS). Many industry standard EDI techniques are available.

### Metered Weigh Scale Operations

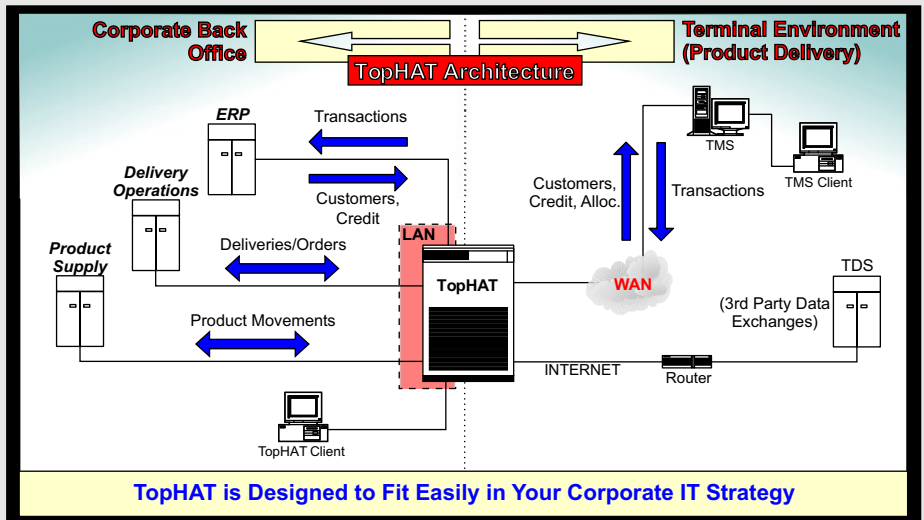
TMS6 supports interfaces for many weigh scale indicators, including Toledo, Fairbanks, Weightronix, Rice Lake, and Cardinal. TMS6 supports concurrent meter and scale processing (special add-on modules may be required).

### Specialty Fueling - Airport and Fleet Fueling

Toptech Systems offers solutions specifically targeted for Airport and Fleet Fueling. The distributed nature of the core components (servers, client PCs, RCUs, etc.) lend TMS to these typical operations.

## TopHAT for Multi-terminal Environments

TopHAT is a "centralized TMS6" designed for managing and optimizing multi-terminal operations. TopHAT manages both company-owned and non-owned facilities by providing a centralized solution that handles complex data translation and routing requirements between terminal sites and the corporate back-office. TopHAT also serves as a Data Warehouse providing access to both historical and current corporate information that may otherwise be locked up in complex ERP and legacy systems. TopHAT is designed to fit easily into your corporate IT strategy, providing the ideal location for corporate-wide data queries and reporting. Several add-on modules are also available in TopHAT to accomplish such tasks as centralized Allocations Management and centralized Dispatched Order Management.



TopHAT is Designed to Fit Easily in Your Corporate IT Strategy

