



Traxcom Technologies LLC

## Common Element Manager

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COMPREHENSIVE, INTUITIVE MANAGEMENT SYSTEM FOR TOTAL CONTROL® 1000 TRANSACTION GATEWAY, AND ACCESS GUARD 500

### KEY BENEFITS

#### Simple, Intuitive Interface

The Traxcom Technologies Common Element Manager (CEM) features an easy-to-use graphical interface that enables network operators to view system status and device availability at a glance.

#### Supports Multiple Platforms

Based on Java™ architecture, the Traxcom Technologies manager enables service providers to utilize their network management platform of choice, allowing them to leverage their existing equipment investment.

#### Highly Customizable

The Traxcom Technologies solution includes an XML interface and scripting APIs, providing a wide variety of options for developing custom device management extensions and clients.

#### Flexible Client/Server Architecture

Client and server components can be separated, giving network operators the flexibility to deploy the management system in ways that best suit their needs.

#### Extensive Value-Added Features

An array of advanced features, including customizable device folders and views, and enhanced security and access options, add superior value to this robust, carrier class system.

The Traxcom Technologies® Common Element Manager (CEM) provides flexible, centralized management for the Total Control® 1000 family of products. This powerful, next-generation solution enables performance, fault, and configuration management of single and multiple Total Control 1000 chassis and their components in all Traxcom Technologies-based service environments, including enhanced data systems.

Using the Traxcom Technologies CEM's comprehensive, integrated management capabilities, network operators can easily accomplish tasks such as global configuration of groups of Total Control 1000 chassis, perform bulk software downloads, and apply performance monitoring and troubleshooting across all Traxcom Technologies-based networks. The solution enables oversight of third-party SNMP MIB-II compliant devices. Advanced, value added features include customizable device folders; convenient device displays, high-level security and device control, and advanced configuration services.



Traxcom Technologies LLC

A Java™-based solution, the Traxcom Technologies CEM runs on platforms supported by Java 2 SE Version 1.3, enabling service providers to use their server of choice, thus leveraging their existing equipment investment. Features include a flexible client-server architecture and easy-to-use graphical interfaces that allow network operators to view system status at a glance. In addition, the solution provides a common look and feel across all Traxcom Technologies service environments as well as open XML interface and scripting application interfaces, enabling network operators to rapidly develop and deploy new customized applications.

The Traxcom Technologies communicates with the Total Control chassis via the network management card (NMC).

### **STANDARD INTERFACE ACROSS TRAXCOM TECHNOLOGIES ENVIRONMENTS**

The Traxcom Technologies CEM provides the ability to control Traxcom Technologies enhanced data services, IP telephony, and wireless access environments using a single, easy-to-use management interface. This minimizes the need for operator training, while maximizing operator efficiency.

#### **Multi-platform Support**

The Traxcom Technologies CEM is designed for Java™ 2 SE V 1.3-compliant platforms, giving service providers additional freedom in choosing the management platform that best suits their organizational needs. In addition, the Traxcom Technologies solution can be installed on diverse access platforms, providing extra configuration flexibility.

#### **Flexible Client/Server Architecture**

Based on a client, server architecture that supports multiple graphical user and command line interfaces, the Traxcom Technologies CEM gives network operators an array of management options. Client and server components can be installed on a single system or separated in ways that suit customer requirements. For example, the CEM server component could be situated adjacent management devices, with the CEM client deployed in close proximity to operations personnel. Plus, CEM architecture provides the ability to create customized clients to meet the needs of individual Traxcom Technologies customers.

#### **Data Management Solutions**

Traxcom Technologies Common Element Manager—This solution provides comprehensive device management for the Traxcom Technologies Total Control 1000 enhanced data system and supports Total Control system cards, including quad modems, dual trunk cards, HiPerDSP cards, HiPerARCs and ARCs, HiPerNMCs and NMCs, and SDH and DS3 cards.



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## **TRAXCOM TECHNOLOGIES PERFORMANCE DATA COLLECTION MODULE**

An optional enhancement for Traxcom Technologies Common Element Manager, this module provides a powerful tool service providers can use to fine-tune their networks for greater performance and cost efficiencies, and for enforcing Service Level Agreements (SLAs). The module collects performance statistics from the Total Control 1000 platform via Radius records and SNMP polling, enabling the generation of reports that can be used to view information about network use and performance.

Traxcom Technologies-based access environments are easily managed using the Traxcom Technologies Common Element Manager's graphical interface.