

# CKM® Enterprise Builder

## Building Your Secure Enterprise

If data security and privacy are concerns for your organization, then CKM Enterprise Builder offers a real solution.

CKM Enterprise Builder is an Information Access Management tool designed for large organizations and powered by TecSec's patented and standards-based Constructive Key Management® (CKM®) technology. It works in conjunction with CKM® Workstation, using the CKM® Runtime Environment (CKM® RTE) lodged in Workstation.

It allows you to design and implement a secure architecture for Cryptographically Enforced Access Management (CEAM®) and communications within your enterprise.

By enrolling Members and assigning rights to these Members, you determine who is allowed to access what information and when. These rights, referred to as Credentials, provide Role Based Access Control (RBAC) - inherent to CKM technology. Credentials are securely stored on a Token, which can be a smart card, key fob or software Token.

CKM Enterprise Builder provides a flexible, scaleable and secure solution to safeguarding the privacy of your corporate communications *and* can be implemented to mirror the existing workflow within your enterprise.

### About TecSec®, Incorporated

TecSec, Incorporated, founded in 1990, is located in Northern Virginia's technology corridor. TecSec's focus is on Information Assurance and Information Access Management - enforced through cryptography.

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## CKM Enterprise Builder Features

- **Information Access Management**
- **Role Based Access Control (RBAC) through Cryptographically Enforced Access Management (CEAM®)**
- **Single Enterprise - Multiple Domain Support**
- **Tiered Administration Architecture**
  - Division of Labor
  - Balance of Power
- **Scalability through Distributed Administration Functions**
- **Remote Token Updating and Revocation**
- **1024 bit Domain Support**
- **Hardware Random Number Generator (HW RNG)**  
Rainbow Technologies iKey™ 2032 - FIPS Certified (140-1 Level 2) USB key fob, delivered with the software package
- **Member Search Features**
- **Auditing** - for organizations that want or need detailed reporting on Administrator activities regarding the creation, assignments, deletions, and updates of Members, Credentials, etc.
- **Multiple Enterprise Support** - allows one instance of CKM Enterprise Builder to maintain multiple Enterprises and Databases.
- **Maintenance Level Support** - at the Member level, giving Organizational Unit Authorities the ability to change the Maintenance Level for one user rather than having the Domain Authority change the Maintenance Level for the entire Domain.

### Added features of CKM Enterprise Builder include:

- **Active Directory Link (ADL) capabilities.** EB with Active Directory Link (EB ADL) builds the link between Microsoft® Windows® 2000 Active Directory® (AD) and EB, thus providing the foundation for the Enterprise infrastructure.
  - EB with ADL administers all Member and Domain or Organizational Unit (OU) information with the same robust tool.
  - The Information Technology group may be authorized to extend some Enterprise Authority (EA) and Organizational Unit Authority (OUA) functions to AD, minimizing the administrative level of Member and OU information.
  - Changes made in AD are automatically available in EB, continuing controlled access to data.
  - Member information created with AD can be exported into EB by using EB with the ADL program. Therefore, any changes made in AD are automatically available in EB, continuing controlled access to data.
- **Secure database** for enterprise's own customizable e-auditing system (defined reporting on Administrator activities, etc. including transactions).



# CKM Enterprise Builder *Application Interface*

