

# CipherSMS

## “Enterprise”

### End to End Secure Messaging

## Advanced Encryption

### AES256

### TCC CipherONE

### Armored Database



## CipherSMS “Enterprise” Secure Text Message

## Worldwide End-to-End (E2E) Text Message Encryption

### Digital Encryption

The CipherSMS “Enterprise” provides **End-to-End (E2E)** encrypted text message communications with TCC’s **CipherONE™** strong encryption algorithms, and the FIPS 140 – 2 **Advanced Encryption Standard** algorithm at 256-bits (**AES256**).

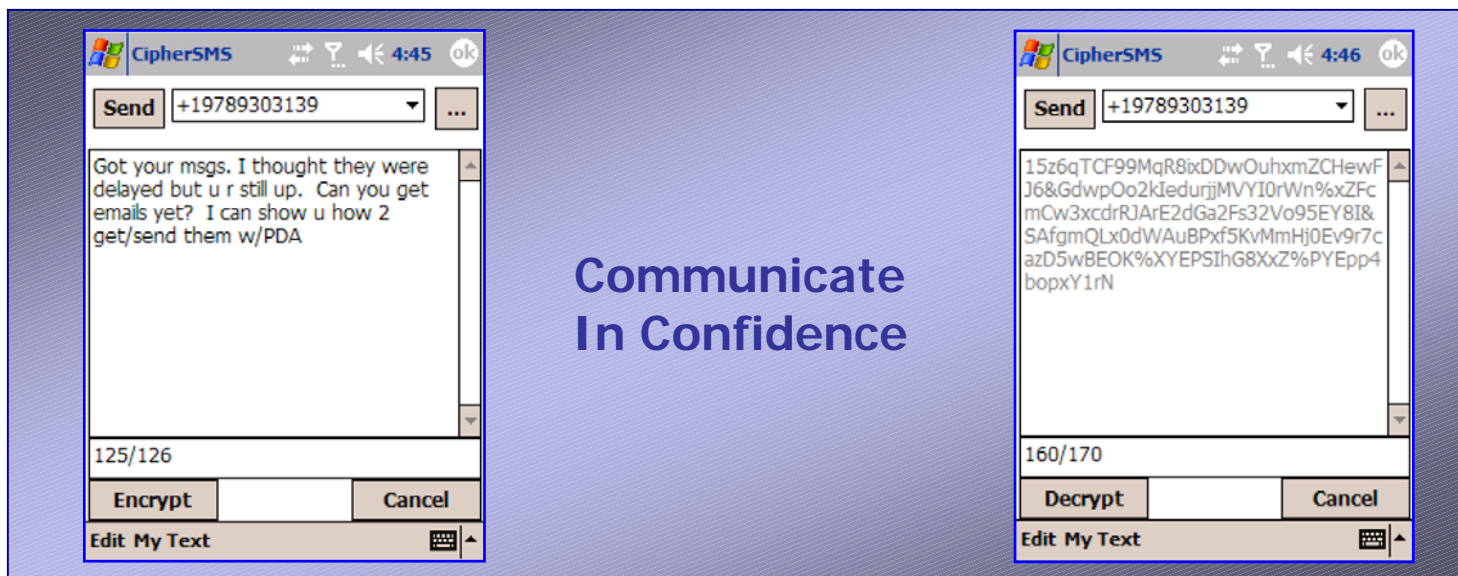
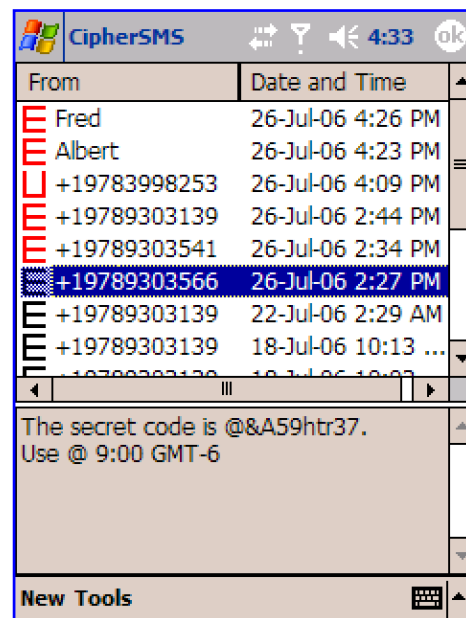
In addition, the CipherSMS “Enterprise” incorporates many of TCC’s secure military design technologies including Secure Encryption Key Management; Password/Pass-phrase Lock; Emergency Erase; Recipient Authentication; Sender Authentication; and Secure Database of *Contacts, Received Messages, Sender/Recipient History List, and Quick Text (My Text)*.

### Worldwide Coverage

The CipherSMS “Enterprise” is Carrier Independent. It does not require any special secure messaging servers or databases. All it requires is SMS service. As such it operates worldwide, wherever there is GSM coverage.

### Technology

The CipherSMS “Enterprise” takes full advantage of the Microsoft® Windows Mobile™ user interface providing “Tap-n-Hold” Pop-up menus, Pull-up/Pull-down menus, and positive feedback alerts and status reporting. In addition, the CipherSMS comes in a Self-Extracting and Self-Installing application making it easy to setup and use.



Technical Specifications:

**Operation**

- Modes Plain Mode  
Secure Mode
- Operating System  
Microsoft® Windows  
Mobile™
- Platforms **PDA:**  
*i-mate* JAM, JAM128  
Qtek S100, S110  
**Phone:** *i-mate* SmartFlip  
Qtek 8500
- Network GSM
- Carrier Any
- Service Short Message Service (SMS)

**Encryption**

- ◆ TCC's **CipherONE** encryption
- ◆ **FIPS 140 - 2** Advanced Encryption Standard (AES265)

**Key Management**

- ◆ TCC's encrypted key files with up to 65K keys and 65K IVs.
- ◆ TCC's secure Crypto Management System (CMS)

**Standard Features**

- ◆ Private Encrypted Contacts
- ◆ Private Encrypted Inbox
- ◆ Private Encrypted "My Text"
- ◆ Private Encrypted Recent Senders/Recipients list
- ◆ Pass-phrase Lockdown
- ◆ Group Encryption Key Files
- ◆ Sent Items Folder messages removal
- ◆ Inbox Folder messages removal
- ◆ Sender Authentication
- ◆ Recipient Authentication
- ◆ Auto-Encrypt Mode
- ◆ Received Messages Status Indicators:

**E** Encrypted/Not Viewed

**E** Encrypted/Viewed

**U** Un-Encrypted/Not Viewed

**U** Un-Encrypted/Viewed

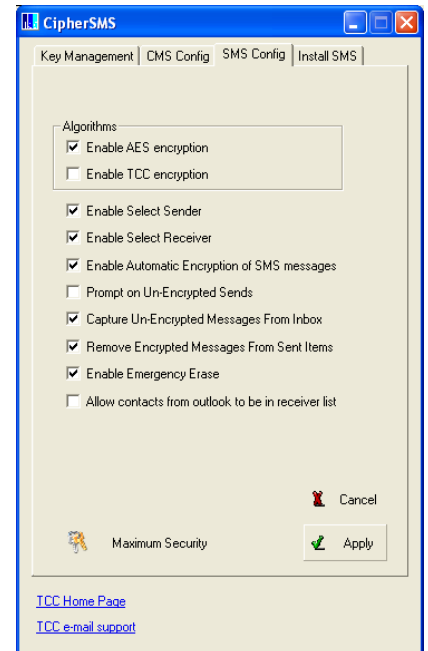
**Interoperability**

Fully compatible with other CipherSMS and CipherTalk products.

Future platform support.

**Crypto Management System**

- ◆ Key Generation and Management
- ◆ Crypto Management System Auto Mode Configuration
- ◆ CipherSMS Configuration
- ◆ Installation Menu



**QUALITY**

As an ISO 9001 certified company, TCC designs, manufactures and supports high-grade secure communications systems that protect highly sensitive information transmitted over a wide range of data, voice and fax networks. Over 2,000 government/military agencies, financial institutions, telecom carriers and other multinational corporations worldwide rely on TCC to protect their communications networks.

<p>TCC secures mission critical networks for governments, corporations and financial institutions around the world. With over 40 years of experience, TCC is the trusted supplier for organizations that place a high value on the confidentiality of their data and voice communications.</p>	<p>CipherONE is a trademark of TCC. Other brand and product names may be trademarks or registered trademarks of their respective owners.</p>	<p>Technical Communications Corporation (TCC) 100 Domino Drive Concord, MA 01742-2892 USA  Tel: 1-978-287-5100 Fax: 1-978-371-1280 E-mail: info@tccsecure.com Web Site: www.tccsecure.com</p>
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