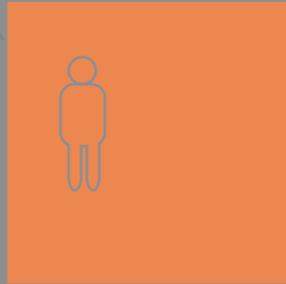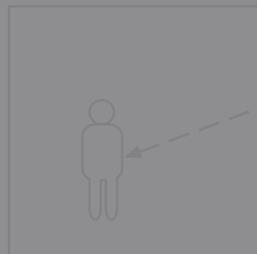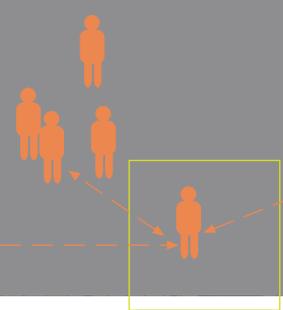# Snap**fence**™

Managed Secure Communications Solution

ENTERPRISE-LEVEL
SECURE
COMMUNICATIONS
SOLUTION

Reliance on communications, exposes mission-critical information to theft and illegal use

Information superiority is a key component of governmental national security policies. In the modern information age integrity of communications are vital to any organization. The threats posed by well financed competitors, foreign intelligence agencies and professional rouge hackers can negatively impact any organization. Organizations spread across multiple offices, departments and international borders are especially vulnerable. Snap Defense System's Snapfence security solution can be integrated into any organization to secure communications and data from any location.

Securing institutional communications presents many technical, operational and security obstacles

Securing enterprise communications can be challenging for decentralized organizations. Modern networks can encompass circuit-switched centers and digital mobile networks and newer IP-based converged networks in many cases create isolated systems and devices that are not interoperable. This complexity is compounded by the wide variety of infrastructure, customer premise equipment and mobile devices that increase vulnerabilities to electronic attacks, information theft and eavesdropping. The Snapfence security solution allows organization to distribute managed security to end-users while maintaining administrative control ensuring maximum compliance with security policies.

	SDS	Competitors
Comprehensive solution across circuit switched, mobile and IP-based networks	✓	✗
Advanced central management capability	✓	✗
FIPS 140-2 Level 2 compliant	✓	✗
Accessory to COTS equipment	✓	✗
Seamless operation – Transparency	✓	✗
Comprehensive solution for mobile data	✓	✗
Military-style switching technology with interoperable gateway.	✓	✗

Snapfence™

Managed, robust, scalable secure communication platform

Snapfence provides a managed, robust and scalable platform to ensure secure cellular, PBX and fax communications among all parts of an organization regardless of network, communications device or location. Snapfence's architecture is scalable for securing up to hundreds of thousands of users. This flexibility allows an organization to improve overall information assurance security practices.

The only solution that ensures access network security even when only one of the calling parties has initiated a secure call.

Snapfence is also the only enterprise-class solution that offers secure communications, regardless of access network, infrastructure or number of parties involved in the call. Snapfence also benefits from SDS's patented military-style of secure voice switching technology which can secure individuals, multiple parties and entire groups simultaneously. SDS also provides a revolutionary new technology that can secure the access network even when only one of the calling parties has initiated a secure call.

Customizable, automated security policies

A central component of the Snapfence solution is its ability to manage and enforce all security policies throughout the organizational hierarchy even to remote end users. Included as part of software management architecture is the ability identify, log, and control all inbound and outbound communications. The management features can be custom configured by the administrator for specific mission situations, group settings and individual needs and/or automated for uniformity across the entire organization. Other features include remote management for updating of encryption devices, software updates and key provisioning. Snap Defense Systems can also custom configure the Snaptrunk to allow for interoperability of multiple cellular, land mobile radio (LMR), SATCOM and wireline technologies.

Total security management

- Authentication
- SW Updates
- Key Management
- Call Logging
- Monitoring Capabilities
- Security Policy
- Distributed Database
- User Level Managment
- Call Detail Records
- Statistics

Seamless Operation

Operation of the Snap Defense Systems product portfolio is transparent to the end-user.

Snapfence allows enterprise users to enjoy the highest level of secure communications using existing customer premises equipment, mobile devices and current network connectivity. In addition, the process of initiating a secure call is straightforward and requires no special training.

Whenever an end-user places a secure call, the encryption device automatically establishes an encrypted link with the Snaptrunk gateway. Then the end-device securely transmits the destination number to the Snaptrunk. The Snaptrunk then initiates the outgoing call to the destination number and notifies the calling party regarding the level of security achieved on the connection. Incoming calls are similarly secured whenever the calling party initiates a secure call. These operations are seamless to the end-user, continuously securing the access network and preventing capture of information even by the network provider.

Snapfence™

Managed Secure Communications Solution
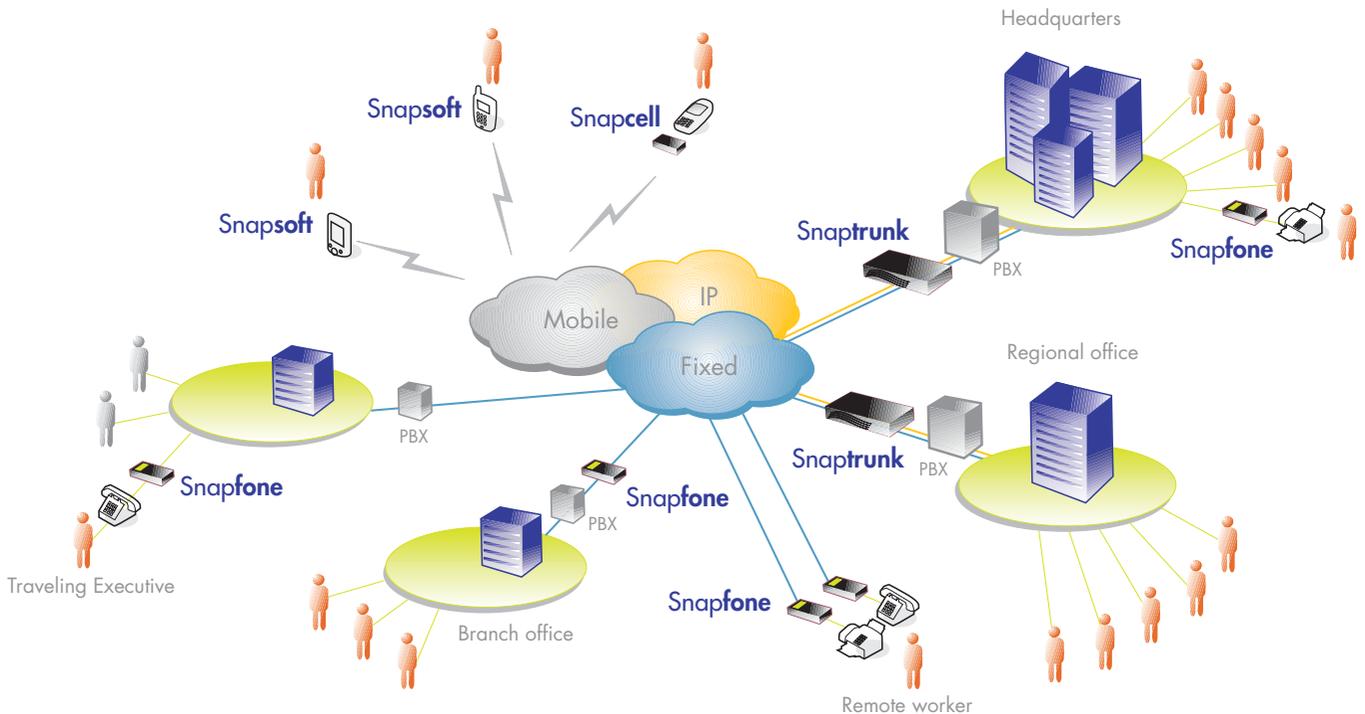
SOLUTION COMPONENTS

The Snapfence enterprise solution is compromised of several elements including end-point units- Snapcell, Snapsoft and Snapfone as well as a secure communications management gateway - Snaptrunk.

Snapcell
Cellular encryption unit compatible with leading GSM handsets

Snapsoft
Software-based voice and data encryption solution for GSM-based Smartphones

Snapfone
Compact encryption unit capable of securing voice and fax communications over analog telephone lines

Snaptrunk
Secure communications interoperable gateway with advanced management features

ABOUT SNAP DEFENSE SYSTEMS (SDS)

Snap Defense Systems is a leading provider of secure communications solutions that are tailored to government, military, first-responders and institutions in over 30 countries. Its advanced security architecture is designed to meet the highest security standards including government security protocols.

Snap Defense Systems provides advanced products for voice, fax and data security solutions across the full spectrum of fixed-line, wireless and newer IP-based networks. Snap Defense System's solutions are completely transparent to the end-user, deploying best of breed encryption technology and supporting commercial off-the-shelf (COTS) telecommunications equipment and mobile devices.

Snap Defense Systems deploys the most advanced technology for secure voice switching, secure multiparty conference calls and protection against information theft even when only a portion of the network is secured. Snap Defense Systems solutions are trusted by government agencies, coalition forces, public safety services and enterprises worldwide. For more information visit our website at

www.snapdefense.com

Snap Defense Systems