Snapmesh™

Secure Managed Communication Solution
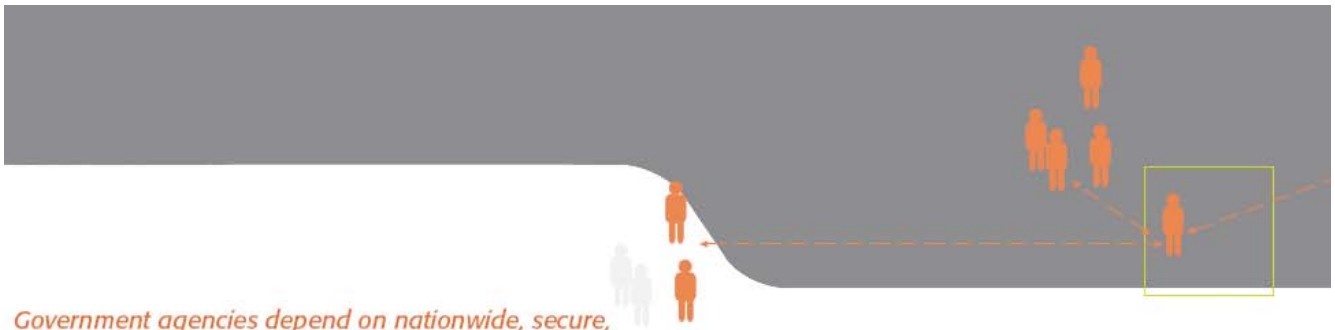
NATIONWIDE SECURE COMMUNICATION SOLUTION
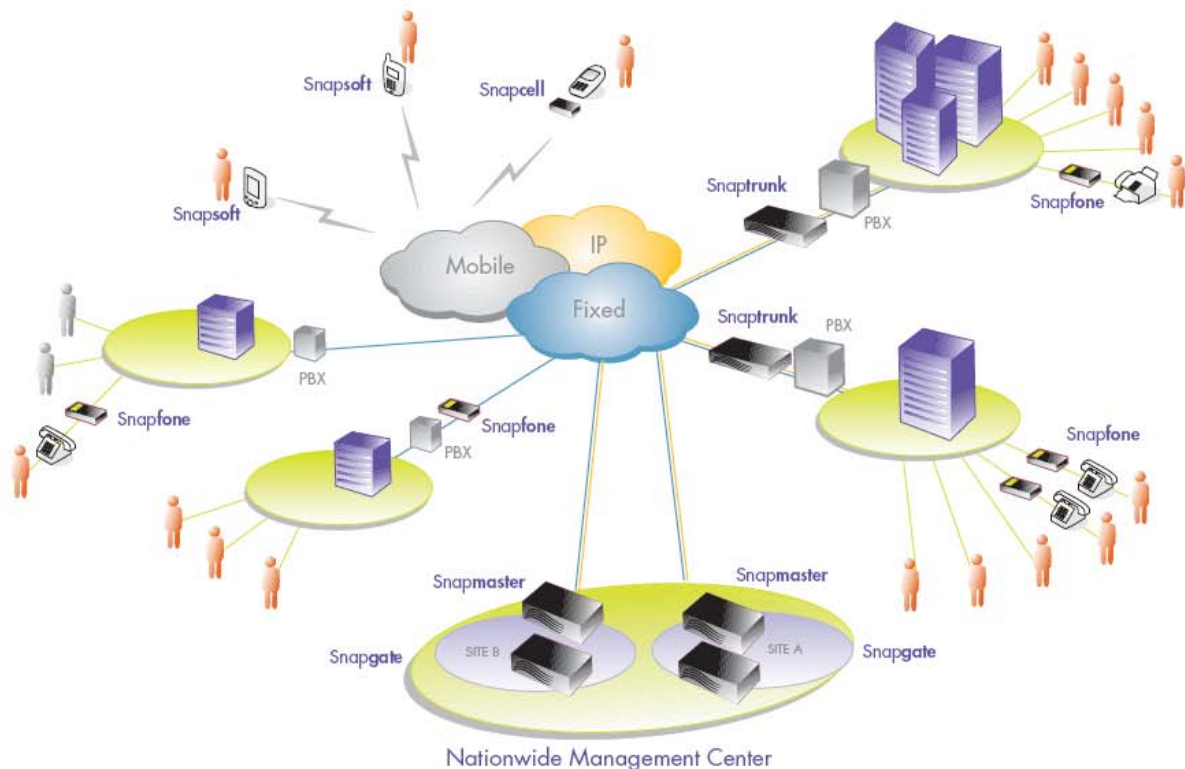
For First Responders And Government Agencies

Government agencies depend on nationwide, secure, Interoperable communications

In the post 9-11 era where global terrorism, disaster relief and homeland efforts are converging the applications tailored for such joint-task forces should support a secure, open and interoperable network-based solution. An important aspect of this collaboration is reliable, secure communications that connects federal, state and local units with command centers regardless of the deployed devices.

Often proprietary "closed" equipment can prevent instant, seamless and secure cross-agency communications. Each agency typically with its own communications equipment, communications security protocols and security clearance credentials. In mission-critical scenarios "closed" solutions can cripple joint-task efforts due to a lack of compatibility with command and control communications, incompatible radio and at times lack of available infrastructure to connect front-line personnel using commercial cellular or PSTN networks.

	SDS	Competitors
Comprehensive solution across circuit switched, mobile and IP-based networks	✓	✗
Advanced central management capability	✓	✗
High level security certification	✓	✗
Accessory to COTS equipment	✓	✗
Seamless operation – Transparency	✓	✗
Comprehensive solution for mobile data	✓	✗
Secure multiparty conference enabled by patented point to multi-point technology	✓	✗

Nationwide Management Center

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

Total security management

Snap**mesh**™

Robust, interoperable, secure communications solution

SnapMesh is an interoperable security communications platform that offers robust, large-scale, secure voice, fax and data communications across multiple agencies in multiple locations. SnapMesh works across traditional circuit-switched networks, mobile networks and newer IP-based networks. It supports a wide variety of available commercial communications equipment including fixed and wireless. SnapMesh offers advanced management capabilities, together with a host of unique features.

Advanced Management capabilities across all levels of the solution

A central component of the SnapMesh solution is its ability to manage secure communications at various control levels. At the interdepartmental level, SnapMesh can be used to enforce secure communications protocols and procedures. SnapMesh can identify, log, and control all inbound and outbound communications. At the departmental level, SnapMesh can be used for remote management and updating of encryption devices, including software updates, key provisioning and centralized policy management.

Secure communications regardless of the access network

SnapMesh is also the only solution that offers secure communications, regardless of the access network, infrastructure or the number of parties involved in the call. SnapMesh deploys patented military based switching for super secure point-to-multipoint technology, which ensures that the access network is secured even when only one of the calling parties has initiated a secure call.

Transparent, seamless operation with COTS equipment

Unique to the SnapMesh solution is the ability to ensure interoperability among multiple devices. The product components of the solution are designed to work with commercially available communication equipment, thereby ensuring that existing equipment and mobile devices can be used for secure communications. This has the additional benefits of a lower cost of ownership and a user-friendly solution to the end-user. All components of the solution comply with the highest security certifications (NSA Suite B & FIPS 140-2 Level two).

Advanced security features, including a complete solution for mobile data

SnapMesh includes a wealth of security features tailored to the needs of civilian, military and local emergency workers. SnapMesh provides a comprehensive security solution for wireless voice and data communications at all times. In addition, sensitive information stored on mobile devices is secured and protected from loss and theft. Loss units can be remotely deactivated from the SnapMesh network. Other features include authentication, access control, dialing restrictions and call destination encryption.

Snapmesh™

Secure Managed Communication Solution

SOLUTION COMPONENTS

The Snap**Mesh** solution is comprised of different elements of the product portfolio: device encryption units – Snapcell, Snapsoft, Snapfone and Snaptrunk – and security management components – Snapgate, Snapmaster and Snapconsole.

Snap**cell**
Cellular encryption unit compatible with leading GSM handsets

Snap**soft**
Software-based voice and data encryption solution for GSM-based Smartphones

Snap**gate**
Telco-grade encryption gateway for nationwide deployment of communication security

Snap**fone**
Compact encryption unit capable of securing voice and fax communications over analog telephone lines

Snap**master**
Telco-grade site management tool for multiple Snapgates

Snap**trunk**
Secure communication gateway, located on the customer's premises, including advanced management features

Snap**console**
Online management console for the Snapmaster

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