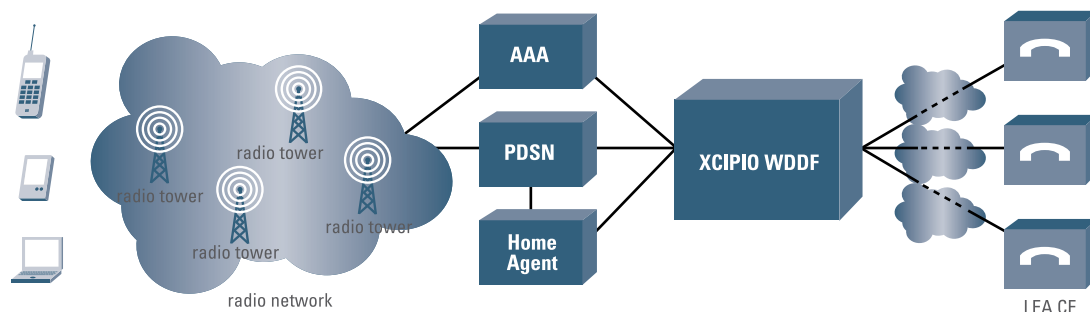


Data communications is no longer restricted to landline networks. A growing amount of data is now sent using wireless devices, such as Personal Digital Assistants, laptops, and combination phone-camera-instant messaging platforms. Including the ability to intercept this wireless data is essential to a service providers compliance in assisting law enforcement. SS8 Networks™ Xcipio™ Wireless Data Delivery Function (WDDF) allows service providers a solution to provision and deliver communication data and content extracted from wireless networks.

Interface Directly for Simplified Management

The Xcipio WDDF solution enables service providers to deliver packet-based wireless data and transmission information to law enforcement agencies over standard protocols and media.

Xcipio Wireless Data Delivery Function for cdma2000 Networks



The WDDF runs on standard Sun Microsystems servers providing lawful intercept capabilities for cdma2000 and general packet radio services (GPRS) networks. In addition to supporting traditional passive monitoring approaches, the Xcipio WDDF can also interface directly with existing network elements such as AAA servers, PDSNs, SGSNs, and GGSNs. Direct interfaces eliminate the need for additional hardware, which reduces the cost and administration associated with provisioning wireless data intercept capabilities.

Standards Compliance

Compliance with industry and international standards enables lawful intercept to occur regardless of geographic or technological boundaries. Xcipio WDDF supports cdma2000 and GPRS wireless networking standards. In addition, it complies with J-STD-025B and 3GPP specifications.

Real-time Performance

The Xcipio WDDF application is designed specifically for delivering data to law enforcement agencies. Once lawful intercept is authorized by a court order, the platform is provisioned with target identifying information by the Xcipio provisioning engine. With an easy-to-use interface, the provisioning engine enables service providers to provision network elements—such as authentication, authorization and accounting (AAA), packet data servicing node (PDSN), and serving GPRS support node (SGSN) platforms—across the network.

Target data packets are extracted in real time and then processed and delivered to law enforcement in a standard format for secure access by authorized users. Service providers can deploy Xcipio WDDF cost-effectively, easily meet the specific needs of law enforcement agencies, and do it without disrupting existing wireless service offerings.

Flexible Architecture

Designed for maximum flexibility, the Xcipio platform can be cost-effectively deployed by local or regional service providers, as well as scale to meet the needs of large domestic or global carriers. The proven Xcipio OA&M platform has been deployed in more than 50 countries. Xcipio implements a generic managed object server (GMOS), which is responsible for maintaining and administering the delivery function, configuration, and databases. It also protects intercept controls, intercepted call content and call-identifying information, consistent with service providers' security policies and practices.

Secure Platform and Access

A comprehensive range of security features ensures a secure platform and secure access for law enforcement users. Physical access to Xcipio is restricted to either network connectivity via the Ethernet card or a direct RS232 port. Industry-leading authentication, encryption, and security features safeguard data and content. Rule-based user privileges can be tailored to restrict system access to only necessary and appropriate users.

A Strong Industry Partner

As the leading provider of lawful intercept solutions, SS8 Networks works closely with service providers and network equipment manufacturers to deliver robust, high-availability intercept solutions. In addition, SS8 provides a vital liaison between equipment vendors, service providers and the law enforcement community, exchanging new ideas, supporting existing solutions, and ensuring that future solutions will continue to meet their needs.

Training and knowledge transfer are key elements of SS8 lawful intercept solutions. We provide extensive support to the system administrators, operators, and agents who maintain and operate the Xcipio platform.

Key Features

- Supports current and next-generation wireless network standards, including cdma2000 and GPRS
- Interfaces directly with network elements, eliminating need for intermediate boxes, extra hardware, and associated costs
- Flexible architecture supports co-located, regional, or centralized deployment models and networks of any size
- Centralized provisioning capabilities and single point of administration simplifies deployment and management
- Distributed system architecture enables presence and reach across wireless infrastructure
- Enables centralized operational management of data delivery to law enforcement agencies
- Simplified deployment and management features reduce lawful intercept administration costs
- Multiple security features for data transport, delivery, and law enforcement access
- Supports simultaneous fan-out of data to multiple law enforcement agencies
- Filters data to specific agencies
- Proven, field-hardened platform and OA&M features, including: ITU standard MML support, surveillance provisioning GUI, built-in remote testing tools, alarm reporting and error logging, automatic software fault recovery, and automatic or manual disk backup
- Standards-compliant—J-STD-025B (cdma2000) and 3GPP TS 33.108 (GPRS)



SS8 Networks

91 East Tasman Drive, San Jose, CA 95134

Tel: (408) 944-0250 Fax: (408) 428-3732

www.ss8.com

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