STAR-GATE™

Intelligent Delivery
Compliance with All Lawful
Interception Standards

COMVERSE INFOSYS

CALEA ETSI

STAR-GATE was created specifically to overcome the technical, legal and financial obstacles of lawful interception compliance offering an effective, reliable and cost-efficient solution.

One Solution

One solution supports both circuit switched and packet data networks. STAR-GATE provides telecommunication carriers and operators with the complete solution to lawful interception regulations.

Access, delivery and administrative functions are unified in a single product and covered by STAR-GATE's two principle subsystems:

Mediation Device

1. Collect intercepted data from the switch.
2. Convert messages into the required Lawful Interception Standard format.
3. Deliver intercepted communications to the appropriate Law Enforcement Agency.

Surveillance Administration Subsystem [SAS]

4. Define target assignments and the destination parameters of Law Enforcement Agencies.
5. Control system security and monitoring system activity.
6. Maintain and Monitor system operations.

Together, these two subsystems perform the full range of tasks necessary to deliver intercepted communications to the appropriate Law Enforcement Agency accurately, securely and in compliance with the law.

Comprehensive Solution

Wide Range of Protocols: STAR-GATE provides full support for various call content and call data protocols.

Multiple Switches: Each STAR-GATE Mediation Device can be connected to several switches concurrently, even if the switches are of different types or versions.

Multiple Networks: STAR-GATE supports all existing circuit-switched networks - wireline PSTN, ISDN, wireless GSM, CDMA, TDMA and packet data networks - GPRS for GSM, GPRS for TDMA, 1XRTT for CDMA, EDGE and UMTS. In addition, the product provides an excellent lawful interception solution for packet data networks, such as ISP backbones.

Multicasting: The mediation device can deliver intercepted call data and content to different law enforcement agencies simultaneously, even if each agency requires a different delivery protocol.
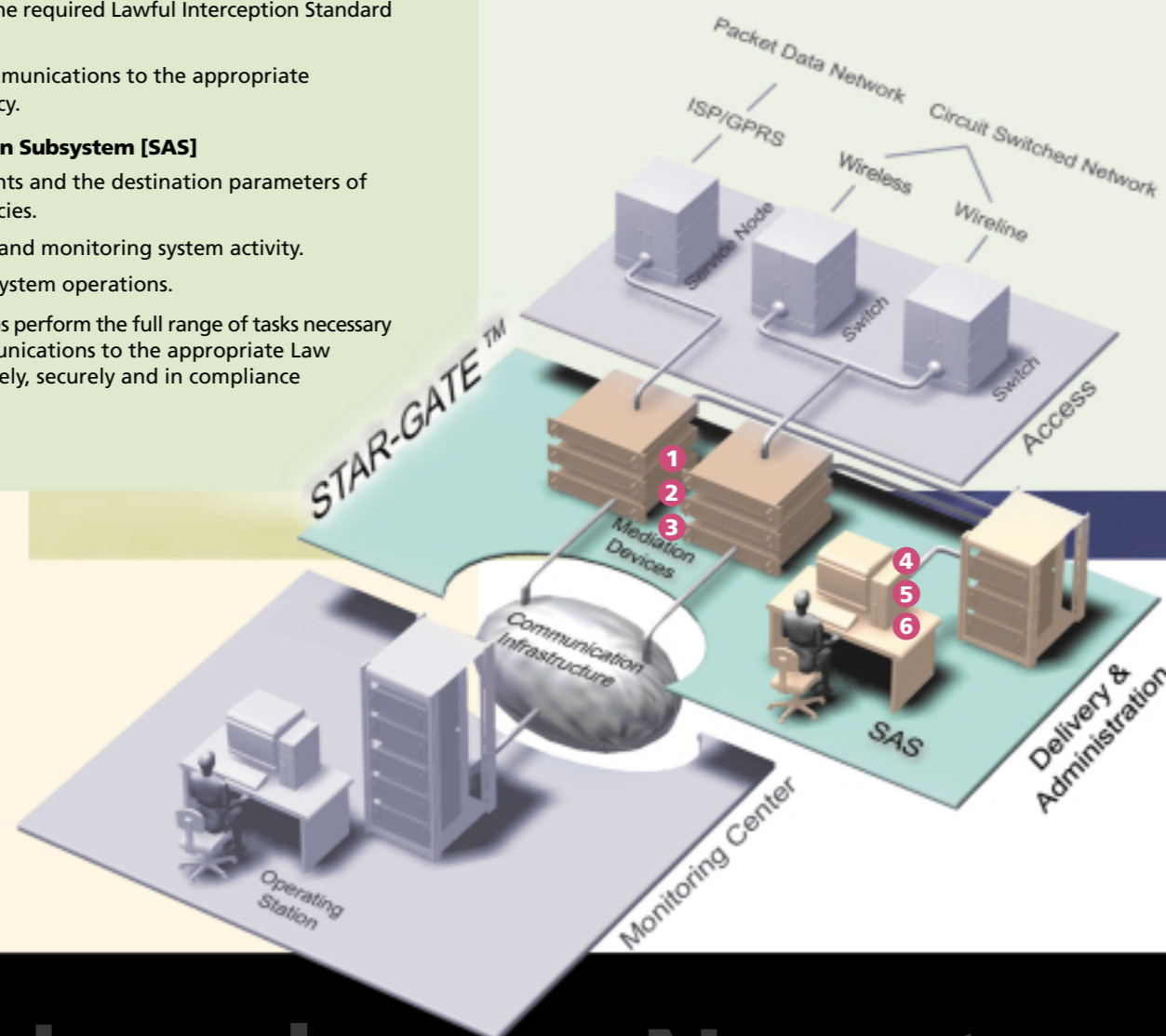
Open and Flexible Solution

STAR-GATE's open architecture operates independent of switch type, model or software version and is smoothly integrated into any environment. In addition, STAR-GATE can be easily customized, upgraded and adapted to meet the demands of new communication protocols and technologies.
STAR-GATE's modular design is fully scalable to meet increasing capacity requirement.

Cost-effective Solution

With STAR-GATE, the details of complying with lawful interception standards are left to the communication surveillance experts at Comverse Infosys. STAR-GATE ensures full legal compliance, decreasing expenses associated with network design and engineering.

In addition, STAR-GATE's centralized network design diminishes costs associated with backhaul and operations. Since all data can be routed and distributed through a central location, you save on systems expenses. Centralized operations also present savings with respect to personnel, training, reduces initial setup costs and simplifies deployment by offering capacity management that is unavailable with switch-only solutions.

Packet Data Network

ISP/GPRS Wireless Circuit Switched Network Wireline

STAR-GATE ™

Mediation Devices

Communication Infrastructure

Operating Station

Monitoring Center

SAS

Delivery & Administration

Access

Legally Compliant Solution

Comverse Infosys closely monitors legislation that regulates communication surveillance so that you can rest assured of being in complete compliance with the law.

STAR-GATE complies with all national and international regulations that govern communication monitoring such as CALEA (Communications Assistance for Law Enforcement Act) protocol standard J-STD-025 in North America, and ETSI (European Telecommunications Standards Institute) ES 201671 in Europe.

Technical Specifications

Delivery Support	**Circuit Switched Network (CC)** • Trunk group • Static DN • Dedicated circuit **Packet Data Network** • FTP • GTP • GTP* **Call Data Channel (CD)** • TCP/IP • X.25 (includes packet data) • TMN (including ROSE & CMISE) • ASN.1 • FTAM **Signaling** • ISUP (ITU-T, ANSI) • ISDN PRI • Dedicated trunks
Switch Connection Channel (in addition to the above)	Connection to other network elements such as HLRs and SMS servers
Out-band signaling	Termination of SS#7 (ISUP, MUP, TUP) and ISDN (PRI)
In-band signaling	• Termination of different CAS protocols such as R2, R1, A-bit, C-5 • Capture DTMF digits at the beginning of the call • Overdial support

Comverse Infosys Technology, Inc.
Tel: 1-703-818-2130
Fax: 1-703-818-2131
E-mail: marketing.citi@cominfosys.com

Comverse Infosys Ltd.
Tel: +972-3-766-4119/5258
Fax: +972-3-766-4747
E-mail: marketing@icominfosys.com

Comverse Infosys UK, Ltd.
Tel: +44 1923 717347
Fax: +44 1923 717377
E-mail: andrew_dawson-maddocks@comverse.co.uk

Comverse Infosys GmbH
Tel: +49 6172 941799
Fax: +49 6172 488038
E-mail: franz.woelflick@netsurf.de

Comverse Infosys Brazil
Tel: +55 11 3039-7373
Fax: +55 11 3039 7333
E-mail: marketing@icominfosys.com

Comverse Infosys Inc.
Worldwide Headquarters
Tel: +1-516-677-7300
Fax: +1-516-677-7197
Toll Free: 1-800-967-1028
E-mail: marketing@cominfosys.com

COMVERSE INFOSYS

http://www.cominfosys.com

JASON & JASON Visual Communications

Access

All International Standards