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SCIENCE DYNAMICS ANNOUNCES INDUSTRY LEADING IP GATEWAY, INTEGRATORC-2308(r): MOST COMPACT, HIGHEST CAPACITY FOOTPRINT IN ITS CLASS

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See SciDyn at VON2000,

Booth #130/132

CHERRY HILL, NJ -- (March 22, 2000) -- Science Dynamics (BBOTC: SIDY), a developer of Internet Protocol-based (IP) telephony solutions, announced the availability of its latest addition to its IntegratorC-2000(r) family of products. The IntegratorC-2308(r) IP telephony gateway is designed for the large telco carriers, Internet Service Providers (ISPs) and data service providers who require higher port densities.

Utilizing SciDyn's unique BubbleLINK® architecture the Integrator C-2308 allows operators to create and manage a scalable, feature-rich IP telephony network in a package half the size of its closest competitor. The IntegratorC-2308 comes standard with SciDyn's GateKeeper Lite™. Each gateway in the system can communicate and share the load with other gateways, thereby increasing network reliability, improving redundancy, and enhancing flexibility. The ability to upgrade from a centralized, remote site gives operators the flexibility to add new applications, upgrade software, and offer new features at significantly reduced installation costs.

Applications supported by the IntegratorC-2308 include phone to phone and fax to fax. Other options include phone to Web, E-mail to fax, fax to E-mail, and voice to E-mail. The flexibility inherent in the IntegratorC-2308 structure allows the operator to provide value-added services such as pre- and post-paid calling cards, interactive voice response, speech recognition and text to speech capabilities.

"The IntegratorC-2308 delivers a complete IP gateway solution with one of the smallest footprints available today. By simplifying network management and enabling the value-added call features customers are demanding, IntegratorC-2308 raises the standard for entry-level IP gateways," said Joy Hartman, president and CEO of SciDyn.

Added Thomas Spadaro, Director of Engineering at SciDyn, "We have designed the IntegratorC-2308 to include both gatekeeper and billing functionality giving operators the advantage of deploying their networks more quickly and efficiently. Our approach of incorporating the GateKeeper Lite™ within the gateway allows operators to deploy systems without the large initial

startup costs associated with most of our competitors centralized management systems."

The IntegratorC-2308, developed on SciDyn's exclusive BubbleLINK® software architecture, supports advanced industry standards for wide scale, secure, and reliable IP telephony services. BubbleLINK® is a unique technology that provides a great deal of flexibility and scalability to the IntegratorC-2000 series of products. The architecture allows individual software modules to communicate and interact on a single chassis or across multiple chassis on an IP network.

BubbleLINK® boasts a distributed process architecture that achieves high levels of efficiency and availability of services. It also provides a mechanism for system scalability and N+1 reliability. This is achieved by moving overloaded or potentially faulty services to another system in the network, without loss of service.

New to the IntegratorC-2308 are a variety of features designed to improve quality of service (QoS), network management and bandwidth efficiency.

Echo Cancellation

IntegratorC-2308 incorporates internal echo cancellation removing the need for external echo canceling products.

Silence Suppression

Silence can consume up to 75% of the bandwidth of a usual voice call. To further conserve bandwidth the IntegratorC-2308 suppresses silence within the call. Since a lack of any sound at the far end can be viewed as "loss of service" by the recipient, "comfort noise" is added to the output at the far end.

FAX Compliance

The IntegratorC-2308 handles both voice and fax calls in real time transparently to the user or it can be configured as a stand-alone fax over IP application. This application allows the IntegratorC-2308 to compete directly with the existing stand-alone fax applications available in the market today.

Centralized Management

All IntegratorC-2308 gateways can be managed either individually or from a remote centralized location allowing the operator full remote capabilities such as remote downloads and upgrades and centralized style plan changes.

System Specifications

The IntegratorC-2308 supports up to 240 channels -- 8xT1(192 channels) or 8xE1(240 channels).

LAN interfaces include Standard 10/100 Ethernet. System software includes BubbleLINK® software Architecture, Call Detail Record Output, GatekeeperLite IP/Telephone Number Resolution. Voice software includes standard vocoders such as GSM, G.723.1, G.729 & G.711 Voice Compression Algorithms, Echo Cancellation, Silence Suppression, Background Regeneration, Gain Control, and Real-time Fax.

IntegratorC-2308 Unveiling at VON

The IntegratorC-2308 will be unveiled at the Spring 2000 Voice on the Net Show in San Jose, CA, March 28-30 at Booth #130/132 next to Jeff Pulver's test network.

About Science Dynamics

Headquartered in Cherry Hill, New Jersey, Science Dynamics Corporation (SciDyn) is a developer of telecommunications solutions. Products include: The IntegratorC-2000(r) series of IP Telephony Gateways; the Commander II Inmate Control phone system (also based on the IntegratorC-2000(r) architecture) and the VFX-200 series of Video over Frame Relay Access Devices (FRADs). Visit Science Dynamics' website at <http://www.SciDyn.com>.

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