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Law Enforcement and Intelligence Agent Training

Keynote Sessions

Monday, December 4, 2006

8:30-8:45 a.m.

Welcoming Remarks

Tatiana Lucas, ISS World Program Director

8:45-9:45 a.m.

Keynote Addresses:

Sigal Mandelker, Deputy Assistant Attorney General, DOJ (invited)

Tony Rutkowski, VP Regulatory, VeriSign and President Global LI Industry Forum

10:15-11:45 a.m.

Lawful Intercept Guru Roundtable:

This panel of leading LI technologists will address the myths vs. realities of lawful interception of VoIP and other IP-based services, standards, cost recovery and more.

Moderator: Jerry Lucas, President, TeleStrategies

Panelists:

Joergen Axland, General Manager, Siemens Voice & Data Recording

Dr. Andy Watson, Technical Director, Detica

Dr. Cemal Dikmen, VP, SS8 Networks

Seamus Hourihan, VP Marketing, Acme Packet

Anatoly Korsakov, Director, Mera Systems

Todd McDermott, VP, Verint Technology

Chris MacFarlane, President, **ETI Connect**
Yossi Ofek, VP Marketing, **Nice Systems**
Tony Rutkowski, VP, Regulatory, **VeriSign**
Les Szwajkowski, Sr. Program Manager, **Raytheon**
Mike Warren, VP Fiduciary Service, **NeuStar**

Tuesday, December 5, 2006

8:30-9:30 a.m.

CSO/CTO Roundtable

This roundtable will provide a C-level management view of network security and infrastructure protection challenges facing service providers as they transition to VoIP and introduce new IP services at the same time addressing lawful interception and/or CALEA mandates

Edward G. Amoroso, Chief Security Officer, **AT&T**
Gene McLean, VP Chief Security Officer, **TELUS Communications**
Phil Edholm, Chief Technology Officer and VP Network Architecture, **Nortel**
Gregory Schaffer, Chief Information Security Officer, **Alltel**

Conference Track 1

Lawful Intercept Regulatory Developments and Service Providers Compliance Considerations

Monday, December 4, 2006

1:00-2:00 p.m.

FCC, FBI and DEA Panel Discussion

The panel will give their perspective on CALEA compliance for facilities-based broadband Internet access providers and providers of interconnected Voice over Internet Protocol (VoIP), including what's been accomplished, milestones, timetables and what's left to be done before the May 14, 2007 FCC deadline for VoIP Service Provider compliance.

Julius Knapp, Acting Chief, Office of Engineering Technology, **FCC**
Joel M. Margolis, Assistant Chief Counsel, **DEA**
Maura Quinn, Unit Chief, CALEA Implementation Unit, **FBI**

2:20-3:20 p.m.

Understanding Service Providers Interim Compliance Requirements

This session addresses what are the service providers interim or pre-May 14, 2007 compliance requirements, the Second CALEA Order and who is actually covered.

Raj Puri, EVP, NetDiscovery, **VeriSign**

3:40-5:10 p.m.

Telecom Service Provider/LEA Roundtable

The LI interface between telecommunications service providers and law enforcement agencies is crucial. This focus of this roundtable is a discussion of how interfacing can be made more efficient and productive.

Moderator: Robert Lottero, President, **NTI Law Enforcement Services**
Michael McAdoo, Director, Law Enforcement Relations Group, **T-Mobile USA**
Kimberly Brown, Associate Director Compliance, **Verizon Wireless**
Joel M. Margolis, Assistant Chief Counsel, **DEA**
Michael T. Elliott, Asst. Section Chief, Electronic Surveillance Technology Section, **FBI**
Patrice Kopistansky, Office of the General Counsel, **FBI**
Richard McNally, Office of the General Counsel, **FBI**
Chris Bader, Manager Legal Compliance, **BellSouth**
Logan Bowers, **Maryland State Police** Technical Surveillance Unit
Bob Schultz, Office of Inspector General, **Port Authority of NY & NJ** And former Subpoena Compliance Group Manager, **AT&T**

Dr. Richard E. Nitsch, Supervisory Special Agent, **FBI**
Presenter to be announced from **NYPD**

December 5, Tuesday, 2006

8:30-9:30 a.m.

International Government Perspective on LI Challenges

This panel of International LEA and Department of Justice executives will address Lawful Interception and CyberCrime challenges from their perspective.

*Robert Hayes, Head National Technical Assistance Centre, **Home Office UK***
*Catheryne Beaudette, Counsel, **Justice Department of Canada***
*Tomas Frydenberg, Police Division, **The Danish Ministry of Justice***
*Basil Udotai, Esq., **Nigerian Cybercrime Working Group, Office of the National Security Adviser***
*Robert van Bosbeek, Head of the Unit Lawful Interception, **Netherlands Police Agency***
Other panelists from Middle East, Asia Pacific and Latin America regions to be announced

10:00-11:30 a.m.

Responding to Requests from Foreign Law Enforcement

Communications providers are increasingly receiving direct requests from foreign law enforcement for stored data, real-time interceptions, and other assistance. This session will address the challenges of responding to foreign requests.

*Moderator: Michael A. Sussmann, Partner, **Perkins Coie***
*Joshua J. Lippard, Attorney, **Microsoft***
*Robert Hayes, Head National Technical Assistance Centre, **Home Office UK***
*Representative from **DoJ** (to be announced)*

1:00-2:00 p.m.

International Carrier Panel

There are similarities and differences between lawful interception mandates in the U.S. vs. the rest of the world. This session is an update on LI obligations of international service providers.

*Paul Kouroupas, VP, Regulatory Affairs, **Global Crossing***
*Parke Davis, Senior Regulatory Advisor, **TELUS Communications***
*Samir Satchu, General Counsel & Head of Government Affairs, **Roshan Afghanistan GSM Service**.*
*Fabio Ghioni, CTO Security, **Telecom Italia***
Other panelists from Middle East, Asia Pacific and Latin America regions to be announced

2:30-3:30 p.m.

The Outlook on Congressional Legislation that may impact Lawful Interception Mandates

The U.S. Congress may enact legislation to support the August 5, 2005 FCC Order addressing VoIP and CALEA or re-write the entire Communications Act to address new services such as VoIP. This session examines the types of legislation we can expect in 2007 and addresses the potential consequences for telecoms.

*Moderator: Tony Rutkowski, VP Regulatory, **VeriSign***
*Albert Gidari, Partner, **Perkins Coie***
Congressional Staff panelists to be announced

4:00-5:00 p.m.

Legal Limits for Telecom and ISPs in Support of LI Mandates

This session presents a service providers perspective on the FCC Second Report on CALEA and provides some basic guidance for facilities based and information service providers on the legal limits in lawful interception support.

*Kate Dean, Director of the **U.S. Internet Service Provider Association***
*Dave Baker, VP, Law and Public Policy, **EarthLink***
*Cristin Flynn Goodwin, Policy Counsel, **Microsoft***
*Thomas M. Dailey, General Counsel, **Verizon Online***

*Drew C. Arena, Vice President and Associate General Counsel Law Enforcement and National Security Compliance, **Verizon Communications***
Other panelists to be announced

Wednesday, December 6, 2006

8:30-9:00 a.m.

International Interception Challenges and Strategies for the Future

The effectiveness of legal interception is continually threatened by the emergence of new technologies, new regulations and the global nature of illegal activity. This session will look at how LEAs and CSPs can address these challenges together, and develop joint strategies for the future.

*Dr. Andy Watson, Technical Director, **Detica***

10:00-10:30 a.m.

UK Interconnect Regulation and LI

Legislation in the UK and across Europe varies in the mandatory requirements that Lawful Interception places on VoIP service providers. Standardization of VoIP Interconnect in the UK by the NICC brings with it implications for Interception of traffic at network borders. What are these implications? How is this reflected in the standard and how will it be achieved? What are the emerging requirements we need to be concerned with, e.g. RIPA in the UK and new FBI proposals in the US.

*Alan Nunn, Chief Technology Officer, **Newport Networks***

10:30-11:00 a.m.

The Reality of Regulatory Compliance in Germany

A reflection on the latest developments in the implementation of Lawful Interception regulation in Germany. Learn how to address the legal, technical and practical issues which may affect the enforcement of a regulatory framework Helmut Huschka, Head of Business Development; ATIS-Systems

*Rudolf Wunschuh, **Utimaco Safeware***

11:30-12:00 p.m.

Location tracking and Surveillance Law and Procedures

Privacy concerns are raised by the notion that every mobile device and therefore person, can be located at any time. Federal magistrates have balked at authorizing location tracking on less than a probable cause showing. What can law enforcement do to obtain this information; what can carriers provider and when.

*Albert Gidari, Partner, **Perkins Coie***

Telecom Service Provider Roundtables

These roundtable sessions create an opportunity for Law Enforcement Agents to meet individual service provider executives with subpoena and/or court order processing responsibilities and discuss interfacing issues and policies.

8:30-9:00 a.m.

T-Mobile Roundtable

Discussion Leader:

*Michael McAdoo, Director, Law Enforcement Relations Group, **T-Mobile***

9:00-9:30 a.m.

Verizon Wireless Roundtable

Discussion Leader:

*Kimberly Brown, Associate Director - Compliance, **Verizon Wireless***

10:00-10:30 a.m.

Time Warner Roundtable

Discussion Leader:

*Julie Patterson, Vice President & Chief Counsel for Telephony, **Time Warner Cable***

10:30-11:00 a.m.

Cox Communications Roundtable

Discussion Leader:

*Randy Cadenhead, Corporate Counsel, **Cox Communications***

11:30-12:00 p.m.

BellSouth Roundtable

Discussion Leader:

*Chris Bader, Manger Legal Compliance, **BellSouth***

12:00-12:30 p.m.

General Discussion Roundtable

Discussion Leader:

*Bob Schultz, Office of Inspector General, **Port Authority of NY & NJ** And former Subpoena Compliance Group Manager, **AT&T***

Conference Track 2

LI Technology Solutions and Products

Monday, December 4, 2006

1:00-2:00 p.m.

Lawful Intercept in IP Networks

Cisco systems will present an update on the recent standards activities, and the affect on lawful intercept. The standards update will be followed by an overview of the Cisco Service Independent Intercept (SII) architecture, and how service providers deploying the SII architecture can comply with the new standards for lawful intercept.

*Craig Mulholland, Corporate Consultant Corp Dev, **Cisco Systems***

2:20-2:50 p.m.

Latest Developments for LI in Broadband and Next Generation Networks

The May 14, 2007 compliance deadline for broadband service providers and VoIP providers is getting close. This presentation will discuss the possible active and passive architectures for lawful interception in Broadband and next generation networks.

*Dr. Cemal Dikmen, VP Lawful Intercept Products, **SS8 Networks***

2:50-3:20 p.m.

Lightweight Lawful Interception Solutions for VoIP-based CLECs

Quick-moving telecom companies require quick although scalable and complete LI solutions. A "lightweight" approach to the LI implementation helps VoIP carriers to fulfil their obligations without impairing their network.

*Carlo Rogialli, Chief Technology Officer, **RCS***

3:40-4:10 p.m.

Network Surveillance Beyond LI

In addition to LI, today's government agencies and law enforcement agencies are faced with other forms of network surveillance, such as detecting and preventing cyber crime, network abuse, and homeland

security. Real-time network surveillance requires a solution that provides a flexible, adaptable way to monitor and capture network traffic at wire-speed, inspecting each packet against a wide range of criteria, such as signature/pattern databases and flow analysis.

Glen Myers, CEO, IP Fabrics

4:10-4:40 p.m.

Bridging Lawful Intercept Solutions across Telecom Networks

Lawful Intercept Solutions integrate common elements needed to combine hardware and software across combined PTSN, Packet and SIP based networks. Lifecycle Management helps to avoid duplications and gaps of monitored devices across these networks. This session helps us to understand how to implement supportable LI solutions for now and into the future.

Donald Hartung, Manager Combined Products, Ericsson

4:40-5:10 p.m.

The Role of Flexible High Speed Correlation Technology in Lawful Intercept

Joe Hogan, CTO, Openet Telecom

Tuesday, December 5, 2006

8:30-9:00 a.m.

Service-based approach for the Next Generation Targeting and Analysis in Internet Interception

Conventional techniques for LI on the Internet traditionally target either an IP address or a specific Port/Wire number. This approach is increasingly impractical in an age of VoIP, Instant Messengers and File Sharing - you do not know which IP address to target and frequently you do not even know that you need particular blocks of data until after the event. The session demonstrates some techniques to mitigate these problems, such as interception by "service parameter" e.g.: Login name, IM identifiers or Filename in a P2P network. The session will also illustrate the use of intelligent probes to capture data on the basis of particular behavior patterns or changes to those patterns.

Anatoly Korsakov, VP Sales, Mera Systems

9:00-9:30 a.m.

SKYPE Detection: An Example of "Traffic Classification in the Dark"

SKYPE is the proprietary VoIP system that is having the most dramatic impact on carriers' revenue stream and network security. This presentation will provide an overview of VoIP with a focus on SKYPE, detailing SKYPE's impact on telecom service providers and will explain how SKYPE traffic can be intercepted and blocked via sophisticated layer-4 algorithms.

Dr. Supranamaya Ranjan, Narus

10:00-10:30 a.m.

Considerations for LAES on Carrier Grade VoIP Networks

VoIP networks have evolved considerably in size, scale and complexity from early toll bypass deployments. Current VoIP deployments involve complex translations and multiple call legs in the signaling path and media transcoding and address translation in the voice path. This paper will explore the typical network architectures for services such as push to talk, IMS, IP centrex and consumer VoIP. Consideration will then be given to the implementation of LAES on these networks including issues such as positioning of IAPs, session border controller NAT, encryption and reconstruction of multiple call leg sessions.

Douglas Carson, Solution Architect, ISS, Agilent Technologies

10:30-11:00 a.m.

Cost Effective Lawful Intercept

Chris MacFarlane, President, ETI Connect

11:00-11:30 a.m.

An End-to-End Approach to Interception and Monitoring for IP-based Communication

IP-based communication is a challenge for Law Enforcement Agencies (LEAs), as intercepting/collecting data from CSP's networks is only the starting point. In fact a solution only provides added value if it enables the LEA to efficiently and effectively evaluate the content of intercepted communication. This presentation will focus on the benefits of taking an end-to-end approach to the interception/evaluation of IP-based communication.

*Alessandro Guida, Solution Architect, **ATIS-Systems***

1:00-2:00 p.m.

European Directive on Retained Data and the update on ETSI/TC LI

The most active group regarding LI standards will be presented by ETSI/LI Chairman

*Peter Van der Arend, Chairman ETSI LI, **Royal KPN Netherlands***

2:30-3:00 p.m.

Lawful Interception for Advanced Applications

*Raj Puri, EVP, NetDiscovery, **VeriSign***

3:00-3:30 p.m.

Comparison in Implementing ETSI ES 102.232/3/4 and IPNA

*Itzik Vager, Director, Product Management, **Verint Systems***

4:00-5:00 p.m.

Trusted Third Party Solutions

There are two approaches telecommunications service providers have to support lawful interception: they either create their own ISS infrastructure or outsource. The speakers will describe case studies of CALEA VoIP implementations using a service bureau solution.

*Raj Puri, EVP, NetDiscovery, **VeriSign***

*Mike Warren, VP Fiduciary Service, **NeuStar***

*Doug McCollum, Senior Counsel, Fiduciary Service, **NeuStar***

Wednesday, December 6, 2006

8:30-9:30 a.m.

Determining the Legal Liability and Cost Benefits of Outsourcing CALEA Compliance

Attendees will have benefit from the real-world experiences of panelists from NeuStar, Time Warner (Cbeyond) and Carlton Fields as they present their perspective on comparing and contrasting legal liability and cost benefits associated with outsourcing CALEA compliance to a trusted third-party vendor versus managing the CALEA and legal process internally.

*Mike Warren, VP Fiduciary Service, **NeuStar***

*Doug McCollum, Senior Counsel, Fiduciary Service, **NeuStar***

***Time Warner** speaker to be announced*

***Carlton Fields** speaker to be announced*

9:00-9:30 a.m.

Benefits of a Unified Interface Platform

Communication service providers continue introducing new services; network equipment vendors are pushing towards convergence of voice and data networks; standardisation bodies are redesigning the architecture of telecommunications infrastructure. Constant change is forcing Law Enforcement Agencies to rethink their approach to Lawful Interception. This presentation will highlight the benefits of a unified platform to interface with multiple networks and services.

Nagui Erian, Business Development Manager, ATIS- Systems

10:00-11:00 a.m.

Roundtable Discussion on LI Standards Compliance and Vendor Interoperability

All Lawful Interception vendors work to insure standard complaints for their products. Problems generally occur when vendors have to interconnect their products with other LI vendors and/or switch vendors. This roundtable discussion addresses interoperability lessons learned.

Roundtable Discussion Leader: Michael G. Huffaker, VoIP Solution Architect, Lucent
Mark Chapin, Director of Engineering, Pen-Link
Matthew Smith, Outreach Program Manager, JSI Telecom
Dr. Cemal Dikmen, Vice President and General Manager, SS8 Networks
Kathy Wildin, Lucent's Interoperability Lab

11:30-12:00 p.m. **SESSION A**

Centralized Management of LI is Overdue

With the overwhelming adoption of wireless voice services, wireless data, WI-FI, satellite, IP data and VoIP technologies in the last 10 years, we take a fresh look at how today's products can truly help service providers cost effectively manage all of their Lawful Intercept activities from a single platform.

Scott Coleman, Director for Lawful Intercept, SS8 Networks

11:30-12:00 p.m. **SESSION B**

Delivering Integrated IP Data Retention Solutions

Increasing complexity of electronic communications and an inconsistent approach to telecoms data retention across Europe has driven the European Union (EU) to release a new Directive. This aims to improve the investigation, detection and prosecution of serious crime through a harmonized set of requirements for the storage of data generated by telecoms and internet service providers as a result of IP (Internet Protocol) communications on their networks.

Chris Jeffrey, Business Support Systems Global Lead, Capgemini

12:00-12:30 p.m.

Modular Interception Platforms for the Evolving Communication Networks

The communication technologies have been improving very quickly in the last 20 years, and the trend seems to remain the same for the next future. Only a modular approach to LI implementation may help Network Operators to save money and value create across network generations.

Carlo Rogialli, Chief Technology Officer, RCS

Conference Track 3

Investigative Analysis Technology Developments

Monday, December 4, 2006

1:00-1:30 p.m.

Network Forensics : Obtaining True Context at the Application Layer

Investigators often rely on logs to "forensically" analyze records to reconstruct network activity. Logs never provide the deep application layer context needed to truly reconstruct an event, and full packet analysis can be complex and overwhelming. This presentation will discuss methods of network traffic processing and analysis that provide true forensic insight into network applications and content.

Brian Girardi, Director, NetWitness

1:30-2:00 p.m.

From Data Fusion to Operational Intelligence

This session addresses the tools used in every day work by law enforcement and intelligence agencies to expose and analyze hostile networks using interception and other disparate data sources.

*Tsachi Frishberg, VP Sales & Marketing, **Svivot***

2:20-3:20 p.m.

Intelligence Tools

Recent developments in the Internet and IP areas involve increasingly vague subscriber identities and distributed operator responsibilities for Lawful Interception. This will be even more significant in the future. Also with the aspect of "Identity Management", Law Enforcement and Government Agencies will need a bundle of intelligence tools to be able to find their suspects or targets within the large amounts of data that is necessary to collect for the purpose. This session addresses a selection of tools for significantly improved intelligence.

*Joergen Axland, General Manager for Business Development & Product Line Management, **Siemens Voice & Data Recording***

3:40-4:10 p.m.

Convergence of Lawful Interception and Intelligence in Light of Global Crime and Terror

*Ronen Nir, VP Product, **Verint Systems***

4:10-4:40 p.m.

Unified Lawful Interception: Creating a Wider and Coherent Intelligence Perspective.

Lawful interception is becoming increasingly more difficult due to the complexity and incoherence of the telecom world. Current LI models offer only a patchwork of disjointed solutions and do not provide sufficient coverage. Join this session to see how a unified approach to lawful interception, can bridge interception gaps to create a wider, more coherent intelligence perspective.

*Yossi Ofek, VP Marketing, Intelligence Solutions Division, **NICE Systems***

4:40-5:10 p.m.

MITO platform: Integrating advanced investigation tools with a Multimedia Lawful Interception system"

New generation law enforcement monitoring facilities greatly improved LEAs efficiency and effectiveness in crime fighting. The integration of those platforms with state-of-the art data mining tools offers unprecedented value in any investigation activity.

*Carlo Rogialli, Chief Technology Officer, **RCS***

Tuesday, December 5, 2006

8:30-9:00 a.m.

The use of Speech Processing Technologies in Intelligence Systems Today and Tomorrow

The presentation will describe the current use of various speech processing technologies for Intelligence purposes and the future roadmap for using speech processing technologies to maximize the information gained from intercepted communication. Different operational scenarios will also be discussed and the architecture required to support these scenarios.

*Guy Alon, Marketing Director, **Natural Speech Communication***

9:00-9:30 a.m.

Putting Relevant Interceptions first: how Voice-Print Comparison and Language Identification can Improve Timeliness in Intelligence

Voice analysis technologies are progressively becoming more mature and usable, allowing investigators to quickly filter inquiry related calls from the intercepted anonymous communications. In particular, an accurate identification of speaker identity can now be achieved through automatic voice print comparison, with the aid of additional tools based on the expected spoken language to obtain the best results, especially in counterterrorism activities.

*Luciano Piovano, VP Security Officer, **Loquendo – Telecom Italia Group***

10:00-10:30 a.m.

Real-Time Network Surveillance using Deep Packet Inspection

With the amount of data transmitted over today's networks nearly doubling every year, it is becoming more important to implement real-time surveillance, as opposed to logging and storing all network activity. Doing this, however, requires a solution capable of wire-speed packet processing, including looking "deep" into the network traffic before making capture decisions.

Kevin Graves, CTO, IP Fabrics

10:30-11:00 a.m.

Location Based Interception - Variants, Technological Background and Solutions

One of the prime developments of telecommunication services is the increasing mobility of subscribers, resulting from new access networks and mobile services. While this opens new ways of communication for criminals, it also enables new possibilities for LI. This presentation gives an overview of mobile network developments, how LI can be based on location information, and which data can be delivered to the LEAs.

Rudolf Wunschuh, Business Development Manager, Utimaco Safeware

11:00-11:30 a.m.

Handheld Forensics Cell Phones PDA's and What Comes in-Between

Digital forensics has moved to a new smaller evolution of evidence when it comes to the handheld device. From cell phones to PDA's there is such a variety that the average examiner never knows what to expect. Live acquisition demonstration will be done on a variety of different devices. In addition, the data associated with these devices will be discussed and displayed to determine the best areas that can be used by suspects for potential evidence storage.

Amber Schroader, Director of Forensics, Paraben

1:00-1:30 p.m.

Creating a Complete Analysis Picture: Concepts and Techniques

Ram Elboim, Director, Business Development, Verint Systems

1:30-2:00 p.m.

Creating Intelligence Driven Data Retention

Data retention is fast becoming an essential tool for LEA investigations. Some of the current concerns relating to data retention focus on how to deal with large quantities of unrelated items of data and how to identify and extract qualitative intelligence driven information. Join this session to see how innovative search, query and analysis tools can be utilized to create an efficient data retrieval process, to create new leads and overcome investigative deadlocks.

Assaf Frenkel, Product Manager, Intelligence Solutions Division, NICE Systems

2:30-3:00 p.m.

UMTS/3G and Wi-Fi Tactical Monitoring

UMTS and Wi-Fi networks are in a deployment phase in many countries. Their monitoring is naturally an issue for LEAs. Monitoring solutions already exist in/from the network infrastructure but to complement it, how will it be possible to tactically monitor activity? This session will address the theoretical possibilities and the already available solutions.

Jean-Philippe Lelievre, Thales Business Group Land & Joint

3:00-3:30 p.m.

Tracking of Targets through Location Based Technology

Users can define a geographical area of interest and be alerted automatically when a target or targets enters said area.

Derek Teten, Pen-Link

4:00-5:00 p.m.

Data Retention Roundtable

This session is an open panel discussion on data retention requirements globally and the issues surrounding Data Record Retention for what services, who has access and more.

Bruno Pelleri, General Manager of TWS Security Consortium

Assaf Frenkel, Product Manager, Intelligence Solutions Division, NICE Systems

Tony Rutkowski, VP, Regulatory, VeriSign

Chris Jeffrey, Business Support Systems Global Lead, Capgemini

Dana Sugarman, Product Manager, RELIANT, Verint Systems

Wednesday, December 6, 2006

8:30-9:30 a.m. **SESSION A**

Lawful Intercept and Security Tutorial

This special one hour tutorial is for Law Enforcement and Intelligence Analysts who have to understand the security aspects of LI; the threats, weak spots and other security issues on LI systems.

Mark Lastdrager, CEO, Pine Digital Security

8:30-9:00 a.m. **SESSION B**

Unified LI Platform: Combining Tactical & Regulatory LI

Tactical LI solutions are leading in terms of point-of-action monitoring where as large LI solutions are imperative for sustained monitoring & intelligence gathering. ClearTrail shall present how a powerful all-in-one LI platform that enables simultaneous intercept in the field and across the telecom networks helps LEA arrive at a precise intelligence. Presentation shall detail out benefits of unified console to correlate, match & infer suspected communication at source with thousands of connections across the country.

Praveen Kankariya, Chairman, Clear-Trail

10:00-10:30 a.m.

BlackBerry Forensics

This session provides an in-depth discussion of the BlackBerry Security Model with an eye to the concerns of Law Enforcement. We will examine the various BlackBerry connectivity models as well as security protections on the handheld.

Scott Totzke, Director, Global Security Group, Research in Motion (RIM)

10:30-11:00 a.m.

Roundtable Discussion on Service Provider to LEA Traffic Management

A major challenge facing law enforcement is handling or managing the flow of intercepted traffic from service providers' network to LEA facilities due to bandwidth. This session addresses issues such as traffic buffering, dealing with peak loads, protocols, data formats, security and consortium network options.

Roundtable Discussion Leader: Sim Simanis, Public Safety Canada

11:30-12:00 p.m.

Intelligent Data Search and Analysis

This session will focus on and demonstrate a new approach to simple interactive querying and data presentation.

Alessandro Guida, Solution Architect, ATIS-Systems

12:00-12:30 p.m.

Off-switch Monitoring of PSTN and GSM Networks

Despite the majority of major switches providing a Lawful Intercept (LI) feed eg CALEA, there is an increasing demand to have LI equipment independent of the network operators' dedicated infrastructure. This demand is driven by the need of agencies to access a dynamic and secure surveillance capability under their full control in real-time.

Conference Track 4

VoIP Carrier Security and Infrastructure Protection Developments

Tuesday, December 5, 2006

8:30-9:30 a.m.

CSO/CTO Roundtable

This roundtable will provide a C-level management view of network security and infrastructure protection challenges facing service providers as they transition to VoIP and introduce new IP services at the same time addressing lawful interception and/or CALEA mandates

*Edward G. Amoroso, Chief Security Officer, **AT&T***
*Gene McLean, VP Chief Security Officer, **TELUS Communications***
*Phil Edholm, Chief Technology Officer and VP Network Architecture, **Nortel***
*Gregory Schaffer, Chief Information Security Officer, **Alltel***

10:00-10:30 a.m.

Security Implications in Applying CALEA and Related Requirements to VoIP

This session will provide a balanced discussion of the needs and challenges of implementing real-time access to VoIP signaling and content under CALEA, and how these needs are mandated via public communication infrastructure requirements throughout the world. The speaker will address the work among industry and government representatives to address this issue as CALEA has been adopted and implemented within the industry.

*Tony Rutkowski, VP Regulatory, **VeriSign***

10:30-11:00 a.m.

VoIP Security: Myths and Reality

With VoIP deployments increasing in number and size, there is a growing clamor over VoIP security. The openness of the Internet enables amazing new forms of end-to-end communications but also unlocks the door for criminals and causal hackers to compromise IP-based communications. Some specific topics that will be addressed include: What resources are likely targets of DoS/DDoS attacks and how can these resources be protected? What service theft opportunities exist and how can the risk be mitigated? When is encryption of voice signaling and media really required and where should it be done?

*Seamus Hourihan, VP, Marketing, **Acme Packet***

11:00-11:30 a.m.

VoIP Lawful Intercept in an Increasingly Encrypted World

This talk will present VoIP intercept as an application challenge more than a networking challenge, and explore methods for lawful intercept of VoIP in encrypted media stream scenarios. The talk will cover both VoIP infrastructure-based encryption using SRTP, and Internet-based encrypted services like Skype.

*Peder Jungck, CTO and Founder, **CloudShield***

1:00-1:30 p.m.

NSTAC NGN Task Force

The President's National Security Telecommunications Advisory Committee

(NSTAC) was created to provide critical industry-based advise to the President on National Security and Emergency Preparedness (NS/EP) telecommunications and information systems matters. This session is an update on NGN Task Force work to date.

*Cristin Flynn Goodwin, Policy Counsel, **Microsoft***

1:30-2:00 p.m.

Supporting Emergency Calls in Disaster Situations

Disasters always hit the headlines – however, it's important they don't hit the headlines through critical national infrastructure failure caused by the disaster. VoIP infrastructures have a key security role to play in disaster situations, as shown in 9/11, 7/7 in London and the New Orleans flooding - the Internet survived better than the phone systems. Infrastructure is required to be resilient and continue to offer service under extreme failure conditions and also identify and deliver emergency calls and permit key workers to communicate. We examine the standards work in this area and look at current resilience and call prioritization methods.

Alan Nunn, CTO, Newport Networks

2:30-3:00 p.m.

High-Speed Deep Packet Inspection Probe for Lawful Intercept and Data Retention

Upcoming LI and data retention requirements in U.S. and Europe necessitate the isolation of specific traffic streams based on the type of communications. Practically, this is done using deep packet inspection to identify and capture the target streams. In this talk, we will describe a solution that utilizes wire-speed Gigabit and 10 Gigabit deep packet inspection hardware to easily capture these streams.

Jeremy Stieglitz, Director of Product Strategy, Force10 Networks

3:00-3:30 p.m.

Ensuring the Security and Quality of Service for Fixed-Mobile Convergence Carrier Infrastructure

This presentation will outline SIP (control plane) and IMS (media plane) security from four perspectives: problem, industry standard requirements, network dimensions and solution: SIP and IP service Internet-based security risks and subsequent quality-of-service risks. How protocols and media can be used to launch attacks to deny and steal services. How the entire infrastructure must be protected: SIP user device, access network core network, applications. 3GPP IP Multimedia Subsystem (IMS) and Unlicensed Mobile Access (UMA) standard requirements for security.

Cam Cullen, Vice President of Product Management, Reef Point Systems

4:00-4:30 p.m.

Providing Secure & Passive Access for Network Tools :VoIP, Forensics, Analyzers, IDS/IPS, Data Interception, & Testing Tools

One of the most difficult challenges facing Security and VoIP Solutions is implementing management tools onto enterprise networks. Enterprise networks are becoming more complex when looking at how to monitor and capture data. It can be difficult or impossible to gain access to network SPAN Ports or inserting In-line Devices like Intrusion Prevention Systems into enterprise networks. Contention for network access is a major problem. Learn how to design a network access solution that meets the requirements for security, network monitoring, and overall network access solutions.

Chris Bihary, Director Operations, Network Critical

4:30-5:00 p.m.

Protect Your Core Routers and VoIP Infrastructure by Unraveling Complicity amongst Attackers

Distributed Denial of Service (DDoS) attacks can be detected using machine-learning algorithms and information entropy to look for complicity amongst attackers. This presentation will discuss how this method is proven to detect even the notorious variety of DDoS attacks where every single attacker is under-the-radar and ways VoIP providers can protect their infrastructure.

Dr. Supranamaya Ranjan, Narus

Wednesday, December 6, 2006

8:30-9:00 a.m.

Utilizing Passive Monitoring of VoIP Networks for Infrastructure Protection

Itzik Vager, Director, Product Management, Verint Systems

9:00-9:30 a.m.

VoIP Security: the Rise of VoIP

This session will examine evolution of threats from e-mail to VoIP determine what steps enterprises can currently take to defend their networks. Will also explore emerging VoIP technologies and the threats that may accompany them, in order to help enterprises prepare from the challenges that may lie ahead.

Dr. Phyllis Schneck ,VP of Research Integration, CipherTrust

10:00-10:30 a.m.

Preparing for Emerging Network Threats and Surveillance Requirements: A Platform Approach

This presentation will explore the emerging technologies and network platforms ideal for Federal government agency's and telecommunication service provider's network security application deployments and evolving surveillance requirements.

Dr. Elan Amir, President and CEO, Bivio Networks:

10:30-11:00 a.m.

ENUM IS the Signaling infrastructure for the NGN

The debate is over as VOIP becomes the core of the NGN network. ENUM has emerged as the defacto protocol of choice for telephone number translations on converged networks and ENUM may replace SS7 at the core of carrier interconnection and signaling. But what is ENUM? There are active technical and business discussions on Public, Carrier and Private ENUM versions of the protocol each focusing on a different set of requirements.

Richard Shockey, Director, Member of the Technical Staff, NeuStar

11:30-12:30 p.m.

RFID - Introduction and Security Considerations

Initially designed for inventory purposes in mind, Radio Frequency Identification (RFID) is being implemented in a variety of additional ways involving everything from poker chips, passports and drivers licenses to paper currency. This session is an introduction to RFID, how its being implemented and the security issues of concern to service providers and law enforcement..

Dennis O' Brien - Physical and Technical Security Guru, Keynote Security
