



**Strategies for Public Safety Transformation
Terrorism & Technology: Prevention,
Protection and Pursuit
Fairmont Chateau Whistler
April 28 – 30, 2002**

Business Briefing Speakers

Terence Atkinson

Director, Solutions Marketing, Cognos Corp.

Terence has worked in the software industry for more than ten years. At Cognos, he has held management positions in marketing, product management, product development and strategic planning. Most recently, as Director of Solutions Marketing, he has helped position and market Cognos Business Intelligence solutions into the supply chain and, now, the Public Services sector. Terence brings a broad perspective of the value of business intelligence solutions, particularly as they relate to public safety solutions being sought by public service agencies.

As government agencies struggle to respond to threats to public safety, one of the most critical components to rapid response is access to timely, accurate information, provided in a manner that is easy to understand and act on. The problem with most government operations is not a lack of information, but a lack of tools to use it effectively. Much of this information is inaccessible or useless due to a number of reasons, including related information coming from incompatible systems, lack of coordination across agencies, difficulty in assimilating complex information, and timeliness of critical information. So, how does one transform all of this raw data into useful, actionable information? This presentation discusses the information challenges public agencies face in responding to public safety threats, and how Business Intelligence solutions form a fundamental aspect of any larger public safety effort.

Patricia I. Brantingham

Dr. Brantingham has degrees in mathematics (Columbia and Fordham), and Urban and Regional Planning (M.S.P. and Ph.D., Florida State University, with a specialty in Criminal Justice Planning. She is now at Simon Fraser University as Professor of Criminology; Co-Director, Crime Prevention Analysis Laboratory; and Director, Institute for Canadian Urban Research Studies. In the 80s she was Director, Programme Evaluation, Department of Justice, Canada. Her publications include four books, 21 monographs and reports, and 44 professional and scholarly articles. She is a grant reviewer for: Social Science and Humanities Research Council, Canada; National Institute of Justice, United States; National Science Foundation, United States; Donner Foundation. Her consulting clients include police groups and governments across North America. Her licensed proprietary computer programs include a topological clustering program and a simulation of the Florida Criminal Justice System.

Paul J. Brantingham

Paul Brantingham's education included A.B. and J. D. degrees (Columbia) and a Diploma in Criminology (Cambridge). He is Professor, School of Criminology and Co-Director, Crime Prevention Analysis Laboratory, at Simon Fraser University. He is a Member of the California Bar.

IN the 80s he was Director, Special Reviews, Public Service Commission of Canada); before that he was a faculty member in the Schools of Criminology at Florida State University and then at Simon Fraser University. His publications include six books, 17 monographs and reports, and 46 scholarly articles and book chapters. He has attended four International Experts meetings, and has done sponsored research across Canada and in Florida.

The Honorable Kenneth Lee Chotiner

Judge of the Los Angeles Superior Court (Retired)

Kenneth Lee Chotiner was the Project Director of the Los Angeles County Consolidated Criminal History Reporting System (CCHRS) from its inception in 1990 through 1998. Under his leadership, CCHRS received seven major national, state and county awards.

Judge Chotiner was a trial attorney and a bar association president prior to becoming a trial judge in 1981. He is a former law professor and has authored numerous legal and computer publications. Founding editor of the syllabus for the California Judiciary's computer courses, he produced the syllabi from 1990-1994, and has authored or edited 11 syllabi for statewide judicial computer courses. A faculty member of the California Judicial College, he taught criminal law, courtroom control, and computers to California judges for 15 years.

Judge Chotiner has lectured at international and national computer conferences and has been consulted by 19 state, national and international governmental entities on integrated criminal justice systems. He was a contributor to the *Report on the National Workshop on Information Management and Information Sharing* published by the Canadian Centre for Justice Statistics and the Solicitor General of Canada.

Mr. Matthew D'Alessandro

Product Manager, Integrated Solutions Division, Motorola, Inc.

Mr. Matthew D'Alessandro is a Product Manager within Motorola's Integrated Solutions Division. He has over 16 years experience in the public safety industry, including 2 years as a unit director in the New York State Department of Correctional Services. His industry experience includes software design, consulting, project management, business development and product management within all disciplines of public safety. His experience is focused on the integration of large public safety organizations. Mr. D'Alessandro is a member of the National Criminal Justice Association as well as the Integrated Justice Information System (IJIS) Institute Industry Working Group.

"New Breakthroughs in Information Sharing Technology Facilitate the Combatting of Terrorism - How to Effectively Blend Technology, Standards and Business Processes"

The foundation of a successful justice information sharing implementation depends on developing and maintaining an integrated justice enterprise utilizing the appropriate

combination of technology, standards, and business processes. This should include integrating the criminal justice process across law enforcement, prosecution, the courts, and corrections agencies. Combining these elements in a product solution approach can reduce risk, implementation time and cost and help achieve success. The end result is a more effective and efficient justice information sharing system which can lead to an increase in the quality of life in Canadian municipalities and provinces.

John Collins

Manager, Special Initiatives, Royal Canadian Mounted Police

John Collins has worked in both government and the private sector. His expertise is strategic planning and business transformation. Currently, John is involved in coordinating the National Security Enhancements (NSE) Initiative. The NSE initiative is part of the Government of Canada's (GoC) immediate response to the events of September 11th and long-term strategy to increase public safety. John is also involved in the development and implementation of the RCMP's comprehensive Electronic Service Delivery (ESD) Strategy. John was an original contributor to the GoC's Government On-Line Initiative when he worked at the Treasury Board of Canada Secretariat. John developed and articulated the federal strategy for getting government services on-line by 2005.

Access vs. Control: The RCMP's National Security Enhancements Experience"

The National Security Enhancements (NSE) Initiative was Royal Canadian Mounted Police's (RCMP) immediate response to September 11th and part of the Government of Canada's overall security enhancements for Canadians. The core of the NSE is about better access to information amongst partners, which leads to better intelligence and proactive decision making.

However, controls must be put in place to ensure that only appropriate partners have access to shared information. Therefore, effective, role-based access information systems are required: with the outer layers available to all and tighter and tighter controls as more secure information is required. Through the NSE experience, the RCMP has begun to implement such a trusted environment. This presentation outlines the lessons learned and next steps with respect to the RCMP's information sharing environment.

Chief Superintendent David Gork

Departmental Security Officer, Royal Canadian Mounted Police

Mr. Gork has 30 years of RCMP service, including Uniformed Police and Drug work; physical and electronic security; Technical Security and Logistics; Security for Commonwealth Games; Sub division Officer; Officer in Charge (OIC) Pan Am Games; Air Services Study and OIC Departmental Security Branch. Chief Superintendent Gork has specialized in the technical aspects of security for the RCMP. His technical knowledge has allowed him to plan major events requiring heightened security. His experience in the physical and electronic security field is well used now as the Departmental Security Officer where his responsibility covers the personnel, physical, and information technology security for the RCMP.

Access vs. Control: The RCMP's National Security Enhancements Experience"

(see entry for John Collins)

Carrie Hunter

Director, Interoperability, Integrated Justice Information Secretariat, Department of the Solicitor General

Ms. Hunter joined the Department in May 2000. She is responsible for overall planning of the initiative, monitoring progress of CPSIN component IT projects and leading IJI technical projects. Her 20+ years in government have seen her occupy a variety of positions. Previously Carrie worked at Transport Canada, and managed the Legislative and Regulatory unit of the Marine Safety Division, but has also worked with Citizenship & Immigration in numerous capacities, including Ministerial Enquiries, Cost Recovery, Immigration Training, Federal-Provincial Relations and Cabinet Briefing. She also worked as a management training consultant with Employment & Immigration, and as a Technical Training officer for Weights and Measures Inspectors at Consumer & Corporate Affairs.

Jeff Langford

Technology Specialist, Microsoft State & Local Government (SLG), Justice & Public Safety (JPS) Solutions Team.

Jeff has worked at Microsoft for nearly nine years, and has more than 22 years of computer hardware and software experience. His current technological focus is Integrated Justice Information Systems, which encompasses Microsoft Windows 2000 Server and the .NET Enterprise Servers as well as Visual Studio.NET and other related products. He participates in numerous national justice community committees, associations and working groups where he is a technical advisor. Additionally, he speaks about technology integration at many local and national JPS conferences. Langford is currently a Reserve Deputy Sheriff with the King County Sheriff's Office (WA), and works with many other public safety agencies as a technical representative to law enforcement, courts and fire departments.

The presentation will discuss Integrated Justice Information Systems (IJIS) on the Microsoft.net platform, XML Web Services and current applicable justice community standards.

Norman LeCouvie

National BDM Public Sector, Sun Microsystems of Canada

Warren Tomek, VP AC Technology

New Technology Delivers Near Human Ability for Pattern Recognition

AC Technology in cooperation with Sun Microsystems Inc. announce the upcoming release of a revolutionary new High Speed True Pattern Recognition Technology capable of recognizing patterns with an effectiveness approaching that of the human mind. This super fast processor engine utilizes key physiological and psycho physical evidence concerning human perception and cognition. The engine, with inspiration from hologram based optical correlators, is based on frequency domain processing employing Chirp Fourier transforms. It is exceptionally robust, highly accurate and applicable to a broad range of pattern types, including wide area surveillance, commonly known as "faces-in-a-crowd. Building upon the Sun Open Net Environment (SunONE), the technology will be deployed with an architecture that allows delivery of its capability over the web.

Iraj Pourian

Sierra Systems Group, Vice President, Justice Practice, North America

Mr. Iraj Pourian played a key role in building Sierra's Justice business in Canada, and led the creation of an integrated justice system for British Columbia, a first in Canada. In November 2001, he became Project Manager for the RCMP Police Reporting Occurrence System, a \$70M key component of the federal Integrated Justice Initiative. He relocated to Ottawa in 2001 to expand Sierra's Justice activity at the federal level. In 2002 he became Director of the Justice Specialty Practice and Ottawa Branch Manager. Mr. Pourian graduated from Sheffield City Polytechnic (UK) with a M.Sc. in Management Information Systems.

Kalev Ruberg

Vice President, TELUS Enterprise Solutions, Applications and Professional Services
As the Vice President, TELUS Applications and Professional Services, Kal is responsible for delivering knowledge-based solutions to TELUS and its customers. As part of this role, he initiated the e.security practice in TELUS.

Kal brings to his role more than 25 years of experience in the IT industry. He possesses an extensive background in applications development, management, consulting, research and teaching in the private and public sectors. He has been highly successful in the conception of strategy and implementation of visionary solutions to large, change-driven systems initiatives.

Before joining TELUS Enterprise Solutions, Kal was the CIO for vLinx.com, a Web-based, global e.trade marketplace and logistics provider, where he was responsible for implementing a new development and security ethic and discipline. Prior to this, Kalev was the Chief Information Officer and Deputy Minister of the Government of Manitoba. His team put in place the country's first Information Protection Centre and led the Canadian intergovernmental infosec council. His former roles in IBM as Executive Consultant and Knowledge Engineer in Global services have led him to provide innovative solutions in corporations in North America and Europe.

Kal holds an M.Arch. and a B. Sc. from the Massachusetts Institute of Technology. He has been published extensively throughout the information technology industry.

Infosec—Protecting the e.Cology

As a global village, the cyber environment is our new home. Unlike any our species has experienced before, this environment morphs at the speed of light, reaches every corner of the planet, and is increasingly becoming part of our being. As in all human ecologies, pathogens threaten the health and vitality of this community. These cyber epidemics, unlike naturally occurring diseases, are launched, intentionally, by individuals and a multitude of organizations. These attacks are increasingly sophisticated and coordinated and they are specifically targeting political, financial and state targets.

Like any ecology, it is the interrelationship of organisms and their environments that determines its health and safety. And it is a systems view of those complex relationships that determines how secure we are in that ecology. In the cyber world, firewalls alone do not determine the integrity of the environment. The moral and ethical stance of the community—particularly the cyber community, the governance of that community from a

legislative and legal perspective and the technical infrastructure all influence its health. If a systems view is required to approach protection of this environment, then modeling the system and all its attributes, including morals and ethics, becomes the challenge.

We'll explore how we might model the e.ecology and look at examples of how enterprises protect themselves by using a systemic approach. In the context of governance, how do offensive strategies play and what part does privacy play in this systems approach? How do we take action against those who attempt to destroy the environment? As in the natural ecology, there are more questions than answers. But they are emerging at the speed of light.

Vincent Westwick

General Counsel, Ottawa Police Service

Vince Westwick led the program development of a recent Counter-Terrorism workshop for the Canadian Association of Chiefs of Police. He heads the Service's Professional Standards Section, dealing with internal discipline, public complaints and policy development. He earned a B.A. from Carleton then served in the Royal Canadian Mounted Police for almost eight years, obtaining a Certificate in Criminology from the U. of Toronto. After a law degree from Queen's, Westwick joined private practice, and then joined the Ottawa Police Service in 1991. He is active in the community and serves on various committees and boards.

Greg Young, CISSP, CCSP

Gartner - Associate Director & Practice Lead for Security and Privacy for Canada and the US Midwest

After a military career in technology counter-intelligence, Young headed IT security for the Federal Department of Communications. He received the Confederation Medal for work as chief of advanced card research for a Smart Card Project, headed a large security consulting practice, and was Chief Security Architect for a PKI product company. He was then American Management Systems' senior principal and laboratory director for secure e-business.

Young, a graduate of the Canadian Forces School of Intelligence and Security, holds the CISSP designation and a Diploma in Criminal Justice. He is a government-certified Common Criteria Evaluator, and is widely published in the areas of critical infrastructure, e-government security, risk management, security architecture, smart cards, and PKI.

He also specializes in Total Cost of Ownership (TCO) for security, transitioning security organizations, security in application and product development, and security architectures for large/complex networks.

Kevin Begg

Director of Police Services, B.C. Government

Kevin Begg has been with the Ministry of Attorney General and the Ministry of Public Safety & Solicitor General, Police Services Division for the past ten and a half years and Director of Police Services for the past seven and a half years.

Prior to taking a position with Police Services Division, Kevin served twenty four years with the RCMP. During his tenure with the RCMP he served in a number of different functions within BC and Ottawa. His experience includes general duty patrol, security

and intelligence, financial administration and policing contract management, special projects and research.

Kevin has a bachelor's degree in Commerce and Economics from Simon Fraser University and completed the course work for a Master's of Public Administration at Carleton University in Ottawa.

Marie Hattar

Vice President, Security Solutions, Metro & Enterprise Networks, Nortel Networks

Marie Hattar is currently Vice President of Security Solutions with Nortel Networks Metro and Enterprise Networks business unit. She manages end-to-end product definition and strategy for Nortel Networks security solutions. Prior to this position, she was chief architect in the CTO office. Earlier roles included product management at Shasta Networks, developing an IP Services Switch and at Aptis Communications (acquired by Nortel Networks). She works extensively with enterprises, service providers and hosters to understand and solve their unique technical, business, and regulatory requirements for delivering security solutions for their networks. She is treasurer of the Broadband Content Delivery Forum and has co-authored a book in the field of networking titled *Implementing IP Services at the Network Edge* available from Addison-Wesley.