



**THE
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Content Technologies — Current Landscape

Ian Wineberg, Director- Network Protection, Bell Security Solutions
and **Alexandre Dorion**, Managed Security Services (MSS) Product Manager,
Public Works and Government Services Canada (PWGSC)

December PD Meeting Presentation, reported by Dave Edmunds

PD Presentation Report

Mr. Wineberg commenced his presentation by stating that there is no silver bullet for assuring information security. He went on to quote the 2004 CSI Computer Crime and Security Survey which reports that, in the initial stages, computer security has focussed largely on technical issues, but recently economic, financial and risk management aspects have become more important. The more knowledge we have of the causes and consequences of computer security breaches, and of the way organizations address them, the more likely it is that computer security will improve. He said it had been noted that organizations that focussed on Information Technology (IT) techniques tended to be reactive, focussed on perimeter and technology protection, and had weak policies, whereas organizations that focussed on Information Security were proactive, took a holistic enterprise view, and focussed on business problems and policy and compliance. He then reviewed in greater detail the trends in security activities as reported in the survey [see Slides # 5 and #6 of the presentation]. Again they indicated that the trend is away from IT techniques toward social engineering techniques.

Turning to security predictions, Mr. Wineberg noted that The Yankee Group's *2004 Security Industry* (continued on page 2)

Upcoming Events

Luncheons:

January 11th, 2005, Army Officers' Mess **Col Dave Neasmith, Commander Canadian Forces Information Operations Group/J6 – DND Computer/Network Operations**

February 1st, 2005, Army Officers' Mess **Paul Earnshaw and Michael Davenport, MDA – Maritime Surveillance – The Future**

Chapter website: www.afcea.ca/ottawa.htm

Web Services by:



Content Technologies — Current Landscape

(continued from page 1)

Predictions sees market shifts from intrusion detection to intrusion prevention, towards application security and identity management, from security device management to security information and event management, and towards consolidation and adoption of email anti-virus, anti-spam technologies and application of proxy firewalls.

Progressing to techniques of Security Information Management (SIM), Mr. Wineberg discussed email filtering for software installed on mail servers and end-user devices (Anti-Virus, Content Filtering, and Anti-Spam); for appliances installed at network perimeters and near email infrastructures (all three of the above devices either integrated, or installed separately on platforms); and for services, also installed at network perimeters and near email infrastructures (either outsourced, or omitted when part of a LAN). He displayed a Gartner Content Technology Magic Quadrant, which identified the leading capable visionary enterprises and reported that the market remains immature and players are changing rapidly, 50% of vendors are expected to be eliminated or acquired, technology will continue to converge into perimeter devices, and vendor evaluation remains critical for successful selection. He displayed a chart comparing various spamming and phishing tactics, showing phishing as the one which inflicts damage on the responding recipient. He listed ways of fighting phishing attacks (use alerting services, email verification, website validation services, and notification to authorities). [*Set your PowerPoint reader menu to View/Notes Page at Slides # 8 and # 10 for more detailed information on email filtering and protection against spamming and phishing.*] He stressed that social engineering attacks will continue to be an issue; effective policy, training, and tools will continue to be the most effective defence.

Mr. Wineberg said that emerging internet models are considering the concept of self-defending networks unifying functionality into multipurpose devices, as well as industry partnerships. Basic principles would involve access control, configuration management, and network segmentation. He followed Security Event Management (SEM) evolution through device monitoring and management to the information and event management services. The approach targets behaviour as much as it does technology; the security basics are People, Process, and Technology. He said an effective security policy framework is critical. Finally, he summed up content technology at the beginning of 2005. Spam, viruses and inappropriate content will likely continue to plague email systems, despite regulatory efforts; organizations can protect themselves by using software solutions, email filtering appliances and services; there is ample expansion market space for established players and for new service providers; and a multilayered approach is prudent.

Mr. Dorion said that MSS is a group of optional services available under PWGSC's Secure Channel (SC) contract, a vehicle for providing secure on-line communications between Government Departments and various stakeholders. The primary SC service provider is Team BCE (Bell Canada Enterprises). To complement existing SC solutions, MSS provides access to turnkey and fully managed security related services that include firewalls, intrusion detection, content filtering, anti-virus, anti-spam solutions and related professional services. As part of SC, MSS is also compliant with Government Security Policy (GSP) as well as Communications Security Establishment (CSE)'s IT Security Zones Baseline document. MSS services can be procured directly from PWGSC without the need for an additional competitive process. The only limitation is that MSS services must be applied to the Public Access Zone (PAZ) region of a Department's network. The lead-time to deployment is typically 10 weeks, but is often shorter.

[Contact Alexandre Dorion, PWGSC MSS Product Manager at 819-956-9703 or alexandre.dorion@pwspsc.gc.ca .]

[Mr. Wineberg's presentation slides will be found at www.afcea.ca, Ottawa Chapter.]

AFCEA Membership Information

For information about joining AFCEA, or to make changes to your membership profile (e.g. change of address), visit the AFCEA International website at www.afcea.org - click on "Join/Renew" or check the Portal.

If you should encounter problems, call 703-631-6158 or email services@afcea.org.

AFCEA Canada Executive Breakfast

On 9 December 2004, AFCEA Canada hosted a gathering of 120 of our Corporate and individual members at an Executive Breakfast to hear Mr. Dan Ross the Assistant Deputy Minister (Information Management) speak about the Information Management Strategic Review (IMSR) and DM/CDS Direction, the Defence Information Management Strategy 2020, the Defence Information Management Strategic Plan and the associated challenges and opportunities.

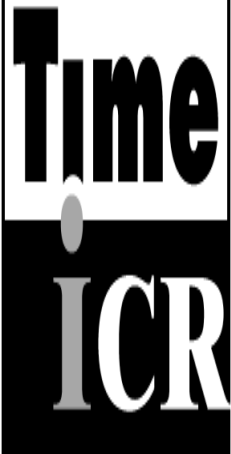
Mr. Ross has extensive experience in leadership, management, policy, communications and strategic planning gained through various positions held with National Defence, the Privy Council Office, and Public Works and Government Services Canada.



Prior to this appointment he was the Associate Assistant Deputy Minister of the Operations Branch of Public Works and Government Services Canada. From 1999 to 2002 he was the deputy to the Foreign Policy Advisor to the Prime Minister and Director of Operations for the Foreign and Defence Policy Secretariat at the Privy Council Office. From 1997 to 1999 he was the Commander of Land Force Western Area.

Mr. Ross graduated from the University of Saskatchewan with a Bachelor of Science degree in Mathematics. He is a graduate of the National Defence College and the Canadian Forces Command and Staff College.

The AFCEA
Ottawa
Chapter would
like to express its
continuing
gratitude to
TIME ICR for
providing its
voice message
system.



January PD Meeting:

Tuesday, January 11th, 2005 at 12:00 noon

Army Officers' Mess, 149 Somerset Street, Ottawa

Speaker: Col Dave Neasmith, Commander Canadian
Forces Information Operations Group/J6

Topic: DND Computer/Network Operations

Booking Arrangements:

Please check the Chapter website www.afcea.ca/ottawa.htm or call 721-6031. Space is limited. Cost: \$15.00/person for industry or \$5.00/person for government employees. Pay by credit card in advance, or by cash or cheque at the door.

Registration deadline is Fri., January 7th

Reader Feedback and Newsletter Submissions

In keeping with Chapter direction to bring more discussion to the areas of professional development and to broaden the scope of the AFCEAN newsletter, we would welcome your comments, articles and other contributions. All are encouraged to submit items of topical or general AFCEA interest (contracts and awards, promotions, upcoming events and courses) to the Editor for publication. Original articles which you the members may wish to submit or comment upon for publication are most welcome. Please take advantage of this opportunity to let AFCEANs worldwide know what you and your Chapter are doing. If you have any questions concerning the appropriateness of a submission please contact the AFCEAN Editor Bill Hawken at 841-2912 or hawkenw@hotmail.com