Protecting Canada's Critical Infrastructure:
2011 Control Systems Security Workshop

April 12th and 13th, 2011

The Royal Canadian Mounted Police (Integrated Technological Crime Unit), Public Safety Canada, and Emergency Management B.C. are pleased to host a training opportunity aimed at assisting Canada's critical infrastructure owners and operators to better secure their most critical Control System and Information Technology assets. With cyber security being a significant area of concern for both government and the private sector, there is a growing demand for practical information-sharing, common situational awareness and specialized training focused on keeping SCADA/Control Systems safe and reliable. This training workshop has been organized to:

- **Provide a key learning opportunity to assist in securing both SCADA/Industrial Control Systems and traditional IT infrastructure within your organization;**
- **Identify key areas of vulnerability within Control Systems and the Information Technology realm;**
- **Learn the similarities, shared threat vectors and common new methods of attack against electronic systems from industrial security professionals;**
- **Address the increasing nexus between the traditional IT and Control System spaces and explore common platforms from which to build shared security strategies;**
- **Address the importance of networking and forming partnerships BEFORE an incident occurs;**
- **Obtain critical, relevant and bleeding-edge information from security researchers and industry professionals;**
- **Provide an opportunity to discuss issues of mutual concern and provide feedback to Government on activities and future direction within the Control System space.**

Who: Critical infrastructure stakeholders with interests in control system security issues. Participants will include representatives from the private sector, Government (Federal, Provincial, Municipal and International), and Crown Corporations. Non-government attendees must be employed full-time within business/corporation/company with significant SCADA/Control System operations. **Materials presented and discussed may be of a sensitive nature – entry to the workshop will be restricted to approved attendees.** Identification **WILL** be required.

What: The level of training will be at the intermediate and advanced level, and will be structured for SCADA/Control System Managers, Control System Operators/Engineers, those directly involved in securing Process Control Systems and IT Managers/Senior personnel who manage a traditional IT framework. Some of the themes to be discussed will include:

- **What are some current vulnerabilities - review of historical and current?**
- **Are Networks truly independent, or can intruders cross from the corporate LAN to the Control System Network.**
- **"We aren't connected to the internet !!"**
- **Is wireless safe? How about legacy devices?**
- **Is it safe to connect to the corporate LAN and if so, where can I learn about effective techniques?**
- **How do I properly assess vulnerabilities in my SCADA network? Are there tools to conduct an assessment and if so, what are the risks?**
- **Do I need a forensic component to my network ie:ability to investigate an incident? Is our Historian sufficient?**
- **How is the Canadian Government approaching the increasing need to be effectively engaged to investigate and collaboratively address issues in the control system space?**
- **How do Canadian efforts and challenges complement those in other nations?**

When: April 12th and 13th, 2011 (2 full days)

Where: Justice Institute, Main Auditorium, 715 McBride Blvd, New Westminster, BC

Presenters:
Instructor/Presenter: Control Systems Security Program, U.S. Department of Homeland Security
Instructor/Presenter: Mr. Mark Fabro, Lofty Perch
Instructor/Presenter: Mr. Eric Byres, Byres Security Inc.
Instructor/Presenter: National Security Criminal Investigations, RCMP
* Currently listed are confirmed instructors/presenters at this time. Once confirmation of all instructors/presenters is complete, a draft agenda for the workshop will be distributed.

Cost:
There is no cost for entry to the workshop.   All other costs are the responsibility of the attendee.

Application to attend:

Companies, corporations, and Government agencies are invited to submit the names and contact information of two employees they would like to attend the workshop and receive the training. With application from private corporations/companies, priority will be given to permanent employees who are actively engaged in management of SCADA/Control Systems.

Please complete the following details for each candidate you wish to attend. **A Registration Form to attend will then be individually emailed to the candidate at their corporate email address (no personal email addresses.) Given the high level of interest, it may be necessary to limit the number of participants per organization. Workshop organizers will contact attendees to confirm registration.** Please ensure names for positions are submitted promptly and the Registration Form is fully completed and returned when received. We have a limited number of seats available for this event. If you are interested in attending, please do not wait to email your application information.

Attendee information to submit names (do not omit any information):

Full Name of Attendee
Title/Position
Corporate Email Address
Direct Desk Phone Number
Referred by
Do you have additional personnel you would like to send? Y/N

Submit names (or ask questions) to:

tom.ellis@rcmp-grc.gc.ca
(A Registration Form will be individually emailed to each attendee which must be <u>fully</u> completed and faxed back immediately upon receipt. Fax number will be included on Registration Form)

Additional Information:

Training Workshop will run April 12th (8:00am – 4:45pm) and April 13th (8:00am – 4:45pm).
Hotel Information will be included with the Registration Forms which will be individually emailed to the attendee.