

IoT – Wrap Up

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Information Security Branch

Office of the CIO

BC Government



OCIO
Office of the Chief Information Officer

Welcome from Government Chief Information Security Officer

Gary Perkins - MTICS - OCIO

- IoT is a "**Game Changer**" and "**Disruptive Change/Technology**"
- There are **no standards governing the security** of IoT devices.
- Next time you purchase an internet connected device, ask yourself:
What have I done to ensure my lightbulb is not spying on me?

"Internet of Things – IoT and Society, where are we?"

Sylvain Denoncourt – CISCO

- **Smart+Connected Communities/Cities**
- **Fog Computing?**

“IoT Activities at the Ministry of Transportation”

Caner Budakoglu & Peter Giese - Ministry of Transportation and Infrastructure

- Ministry has **more than 18K devices** and growing.
- Developing an **open platform** to improve interoperability with BC's Developers' Exchange
- **IoT Challenge Program**: Invited public (e.g. start ups & established organization) to propose ideas and solutions.

“It's 7am ... do you know what's on YOUR network!?”

Josh Stevens-Telus and Toni Buhrke - ForeScout Technologies

- **Internet of ransomware things...**
- Dispelled **IoT Security Myths**
- IoT landscape and its threat landscape
- Presented **ForeScout Agentless solution**

“Effectively Targeting Advanced Threats (IoT)”

Terry Sangha – Trustwave

- Managed Detection and Response (**MDR**) services (versus MSS).
- Moving toward an **Offensive Posture**: Incident Readiness & **Threat Hunting**

“The Insecurity of Things!”

Guy Rosario - KPMG

- IoT risks assessed from **four domains**: Security, Privacy, Trust & Safety (**SPST**).
- IoT risks from three **perspectives**: **Device, Ecosystem and Environment**.
- **Adventures in IoT hacking...**

“IoT Cybersecurity in a Connected World”

Sylvain Denoncourt – Cisco

- **Convergence** of Information Technology (IT) and Operation Technology (OT)
- **Anatomy of an Attack:** Ukraine Utility Attack
- **Security Architectures and solutions:** Use Cases

"How our children are exposed to good and evil while on The Internet"

Corporal Rory Webb – RCMP

- Integrated Child Exploitation (ICE) unit and its mandate.
- Risks facing our children (e.g. Most Friends Wins” mentality defeats security).
- **Internet of Toys.**

“From Sensors to Decisions - When Seconds Count. Earthquake Early Warning at Ocean Networks Canada”

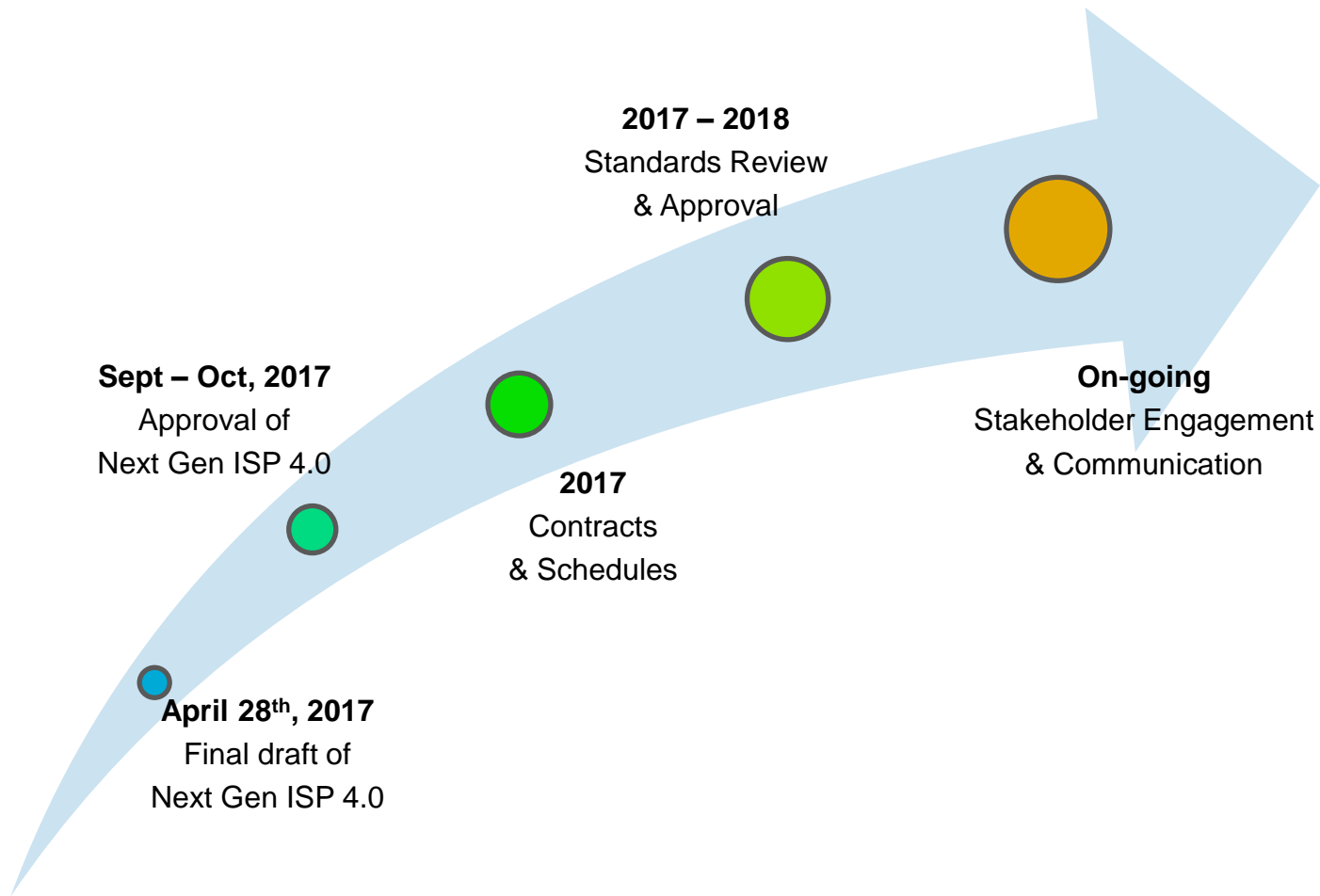
Teron Moore, Ivan Rincon & Dwight Owens - Ocean Networks Canada

- Introduction about Ocean Networks Canada
- Security **threat landscape & Attack surface**

“Exploring possibilities with the Internet of Things”

Philip Twyford - MTICS

Project Timelines



THANK YOU FOR ATTENDING ...

Save The Date!

**THE NEXT SECURITY DAY
- NOVEMBER 8TH!**

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