

# **Cyber Crime Investigation, the Trends in Cyber Crime – A Case Study**



# CYBER SECURITY AWARENESS

RCMP Federal Policing Prevention and Engagement

Cpl Vinh NGO – Financial Crime Subject Matter Resource  
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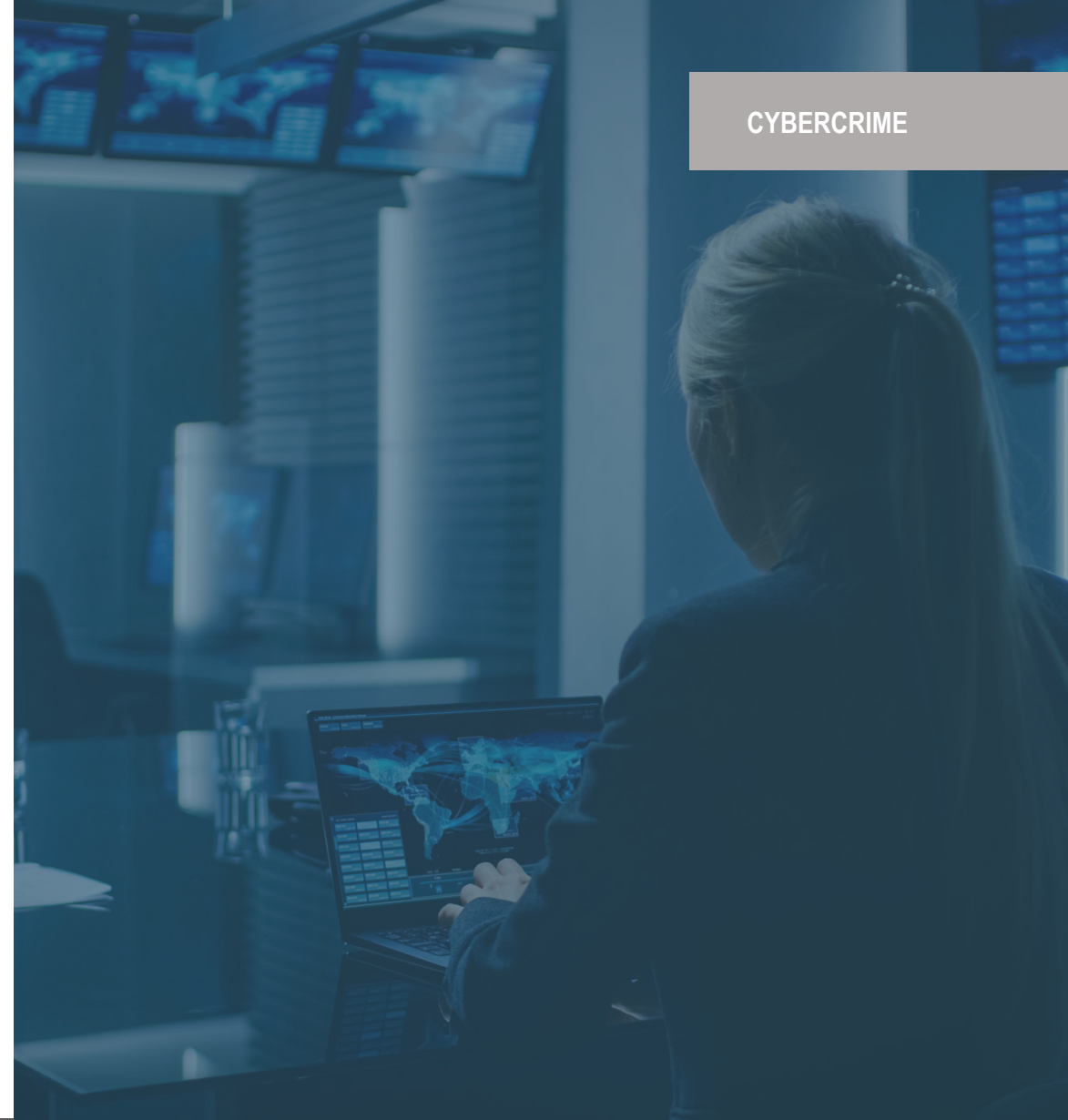
Royal Canadian Mounted Police Gendarmerie royale du Canada





## Presentation Session

- Introduction to Federal Policing Prevention and Engagement (FPPE). Cpl Vinh NGO, RCMP Pacific Region.
- Cybercrime Investigation – Trends in Cyber Crime – A Case Study. Sgt Warren Krahenbil – Cybercrime Operations, RCMP Pacific Region.

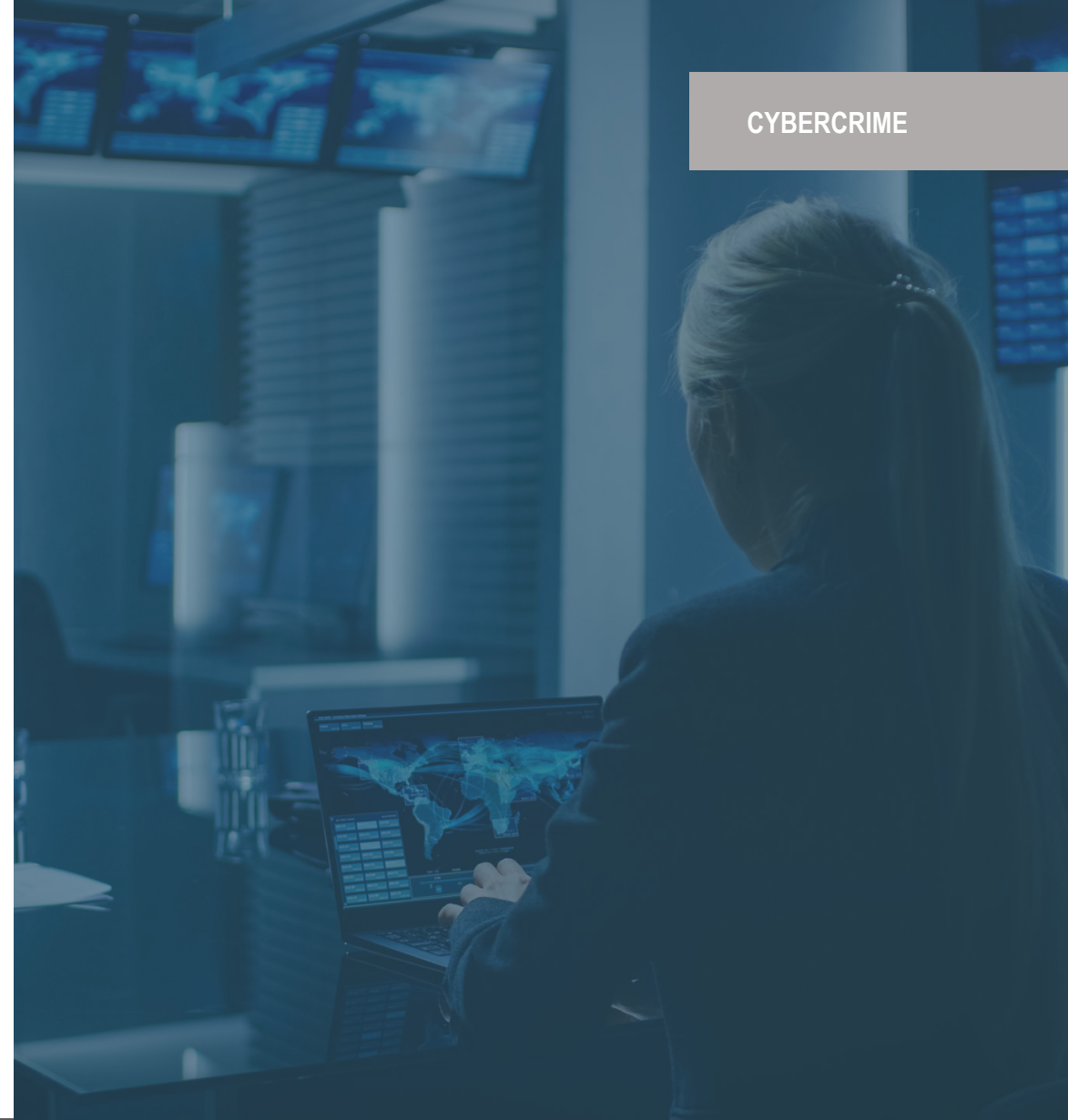






## Federal Policing Prevention and Engagement (FPPE) Priorities

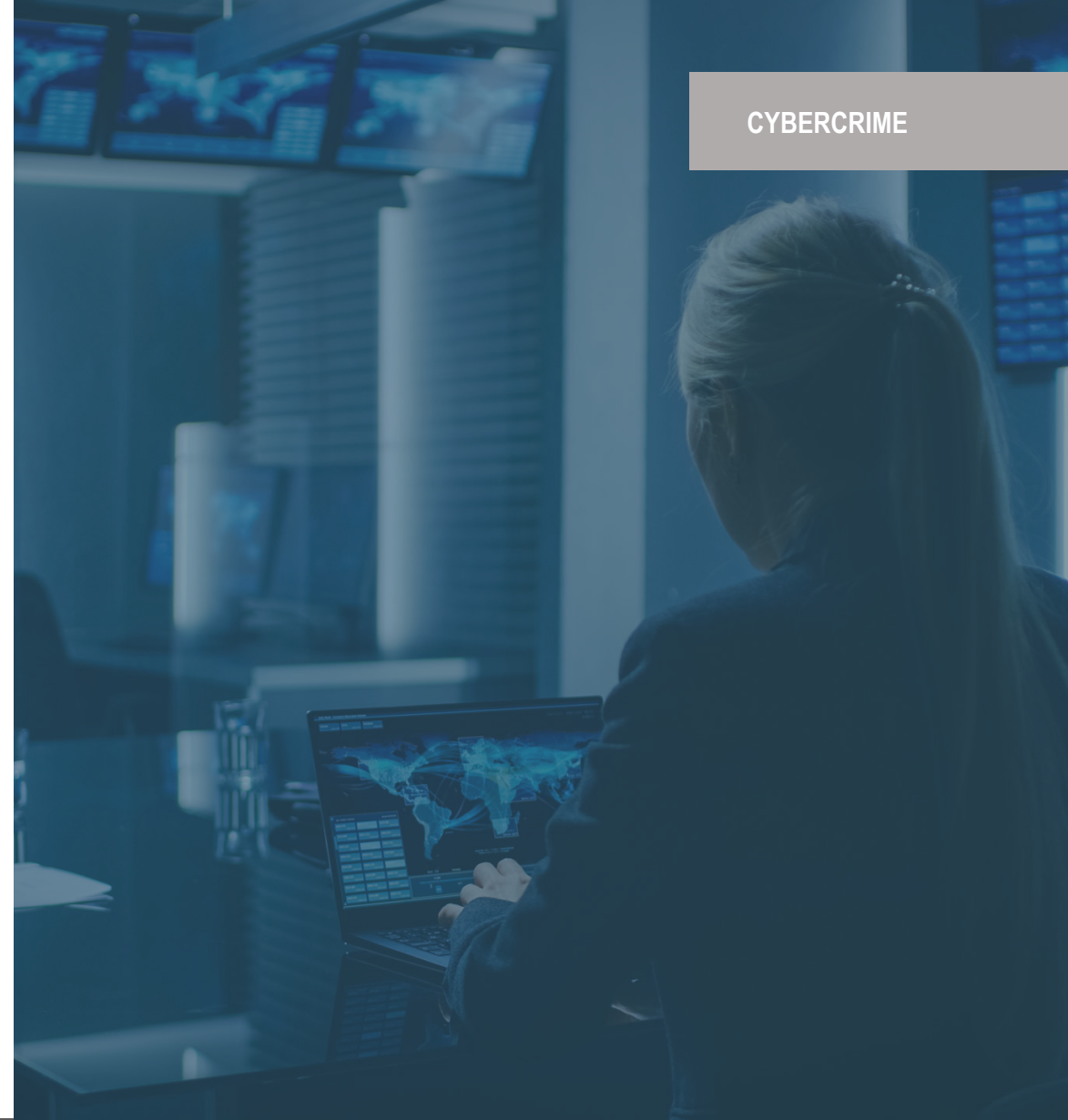
- Financial Crime
- Cybercrime
- Drugs and Organized Crime
- Border Integrity





## FPPE, UBCM, and Local Governments

- Fraud trends – Whaling Scams – Payment Redirect targeting First Nations Local Gov't.
- Ransomware
- Prevention Initiatives





## UBCM - 2024 AGM RCMP Survey on Cyber Security Awareness

# Looking to the future...

We want to hear from you.







**RIDE  
THE  
WAVE**  
UBCM 2024



# Cybercrime Investigative Team Vancouver

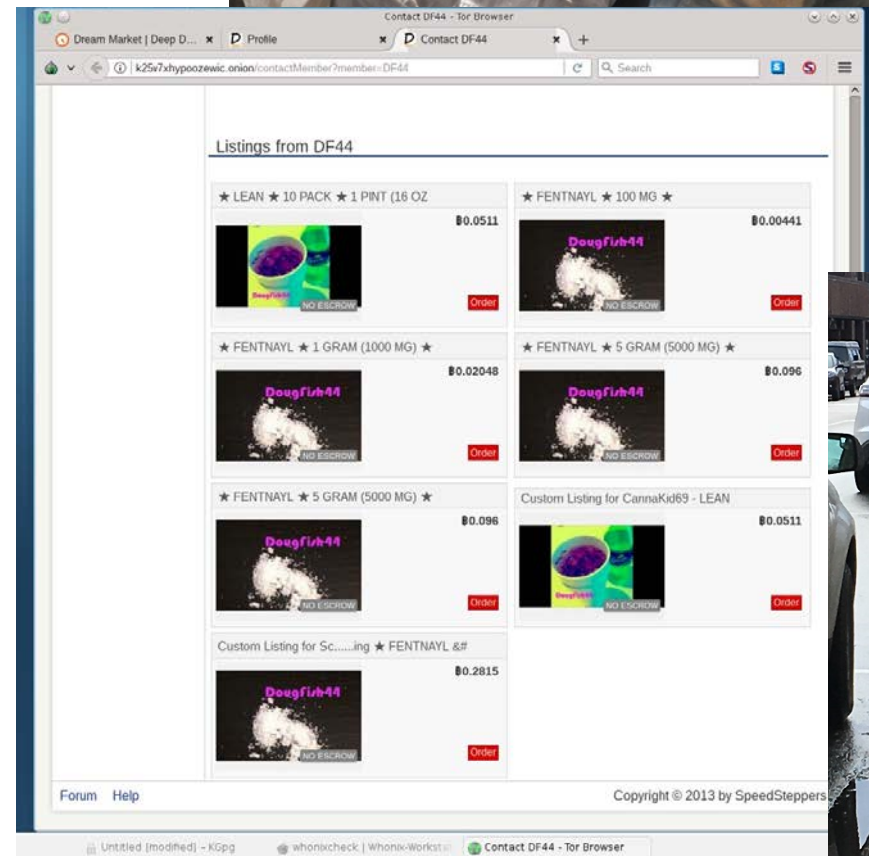
Sgt. Warren Krahenbil - Team Lead



# Beginning


## Dark Web Investigations

- In 2016 RCMP drug investigators were working on the dark web to uncover and arrest fentanyl traffickers
- Online undercover operations using Linux virtual machines, Tor and Bitcoin for interaction and purchases
- There were a number of successful projects



# Transition

## Cybercrime Operations Group

- I submitted a business case to form a team solely focused on cybercrime
  - The team was formed with three assets from the dark web team
  - The team was created at the beginning of the covid19 pandemic lockdowns in Canada
- 
- During the lockdown organization was difficult, it was difficult to network and hard to get traction
  - The team built a remote workflow
  - Grew to six regular members, two analysts and one Civilian Cybercrime Investigator

# Cyb Investigative Vancouver



Edmonton  
Vancouver

Toronto  
Montreal  
Ottawa



**What is our #1 concern in  
cybercrime today ?**

**Organized Crime**

# Initial Access

## Network access brokers

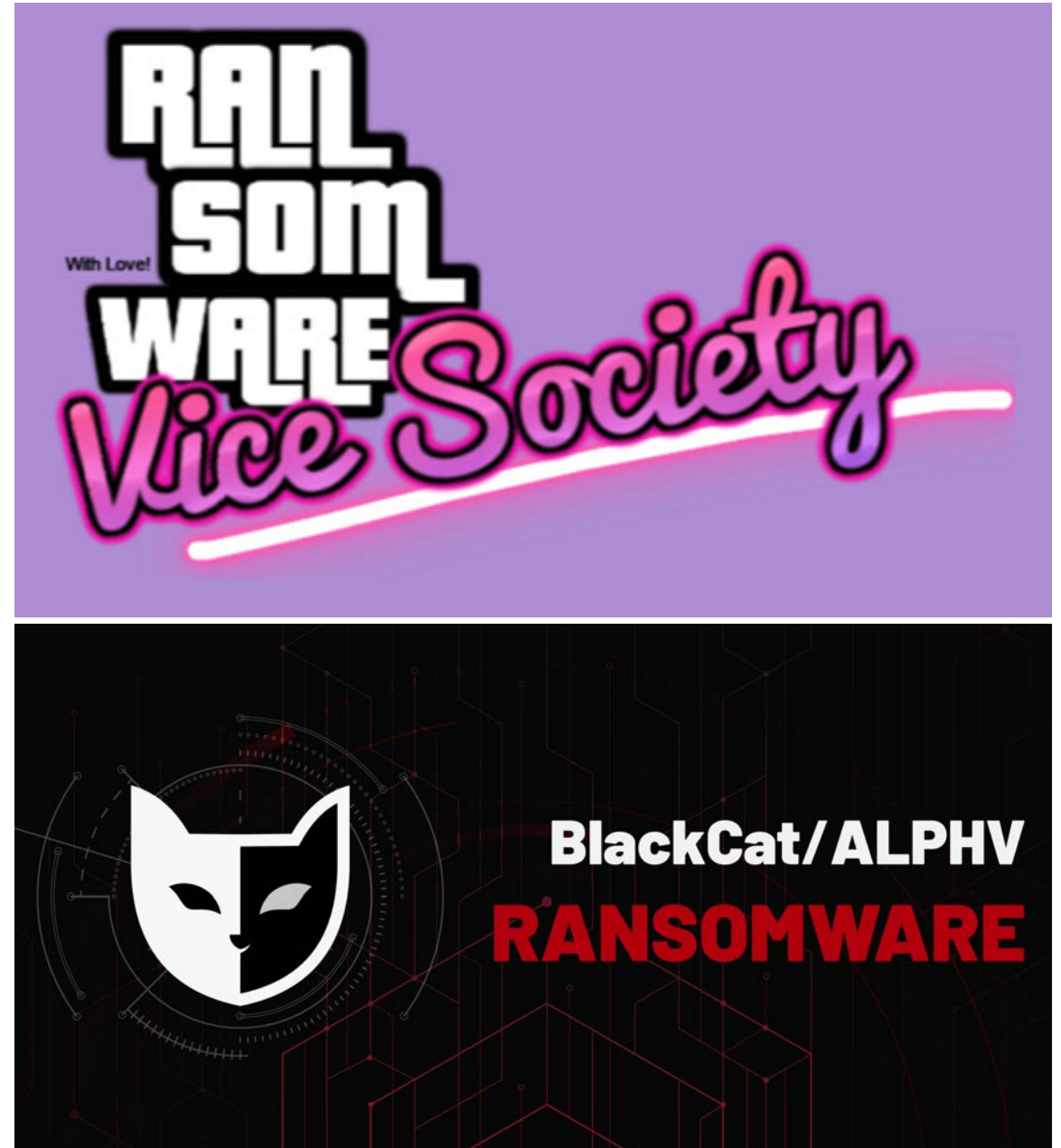
- Initial access brokers use tools like gootloader to gain a foothold in the system
- The threat actor maintains persistence in the system
- Access is advertised and sold via clear web, dark web, Telegram...
- The transaction is completed via cryptocurrency



# Ransomware

## Global Organized Crime

- Bad actors use exploits to access a network in order to encrypt or exfiltrate data and demand ransom
- This is international organized crime on multiple levels
- They can be basic or very highly sophisticated and organized
- Dark and clear web based





# Facilitators

## Phishing as a Service

- Phishing being provided as a service to other criminals
- Phishing kits and full online workspaces are offered
- Sales and customer service via Telegram channels and bots
- Highly organized and facilitated by cryptocurrency





# Cryptocurrency

## Global Finance

- Cryptocurrency facilitates global organized crime
- Ransomware, PaaS and coordination between organized crime groups is funded by cryptocurrency
- The majority of our work comes back to cryptocurrency and the ease in which it works







**Questions ??**

**Sgt. Warren Krahenbil**  
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# Kootenay Family Place

In appreciation of our speakers today and with thanks for your contribution, UBCM has made a donation to the Kootenay Family Place. Kootenay Family Place is passionate about serving the needs of children, youth and families throughout the West Kootenay Boundary region through its services of early intervention, childcare, and providing a safe gathering place.