GPEB - List of training/webinars/education:

Investigations:

FEB 2015 - Poly-Cyb, Police Cyber Crime Conference – Vancouver. Kim Serheniuk attended. Had to bring a laptop, so may qualify as training/education. (No records)

05 NOV 2014 – NAGRA webinar – Money Laundering information session (No course materials available)

14 JUN 2013 – Webinar – AML presentation by ACAMS Case Study – Due Diligence Investigation webinar. (No course materials available)

Audits:

09 JAN 2015 – ACAMS webinar – Canada Focus: Update on Emerging Trends in AML and Financial Crime. (Responsive Records)

05 NOV 2014 – NAGRA webinar – Money Laundering information session (Responsive Records)

24 Oct 2014 – ACAMS – Changing the AML Game – From Reporting to Rejecting Suspicions. (No Records indicated)

22 AUG 2014 – ACAMS webinar – Notice of Proposed Rulemaking: Gamechanging Rules on Beneficial Ownership. (Responsive Records)

11 MAR 2014 – IIA Webinar – Auditing Corporate Governance: A Framework, and Hot Topics for 2014 Risk Management (Responsive Records)

11 MAR 2014 – IIA Webinar – Cyber Security – How Should Internal Audit be addressing this Increasing Risk (No Records indicated)

11 FEB 2014 – IIA Webinar – Today's Fraud Updates: Investigations, the Internet and the Auditor (Responsive Records)

24 OCT 2014 – Webinar - Taking the Guesswork out of Fraud, Waste and Abuse Risk (no records in government custody or control)

8 APR 2014 – IIA Webinar - Cyber Security – How Should Internal Audit be Addressing this Increasing Risk. (No Records indicated)

VARIED DATES – CIA Certification (IIA) - Fraud Risks and Controls – self-study training as part of certification program provided by Institute of Internal Auditors – (No Records available)

16 APR 2013 – IIA Webinar - Emerging fraud risks (No Records indicated)

03 DEC 2013 - Expanding Your Reach to Put a Face on Financial Crimes (Responsive Records)

Registration:

16-17 OCT 2014 - IAFCI – Fraud Training Seminar (Responsive Records)

17-18 OCT 2013 – IAFCI – Fraud Training Seminar (Responsive Records)

8-9 APR 2013 - Professional Interviewing Skills (Responsive Records)

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Privacy Myths + Realities, Sharing Information
KYLE FRIESEN

Police and the Private Sector

Secs 35, 41, 430 C.C → Defence of Private Property
Private Property vs Public Property
Citizens Arrest Sec 494 C.C. Charter → yes / no?

Reasonable Expectation of Privacy

Work, home, at play.

3 Levels
Gov't of Canada → Privacy Act
→ Access to Information Act

B.C. → Freedom of Information + Protection of Privacy Act (gov't ministries, agencies, hospitals, universities, city councils, PDs

Private Sector → PIPEDA (fed'l)
→ PIPA (BC)

PIPA
Section 18(1)(c) disclosure without consent related to an investigation or proceeding

PIPA

Sec 18(1)(j) Disclosure to law enforcement agencies

Sec 1 - definition of "investigation" → prevention of fraud not limited to police agencies

Inter-retail sharing

Retail discloses to Police

Police discloses to Police → investigations, intel gathering - to further a Police investigation
What is policing?

PIPEDA
7(3)
c.1
(i)
(ii)
} research this

Police + Retailers

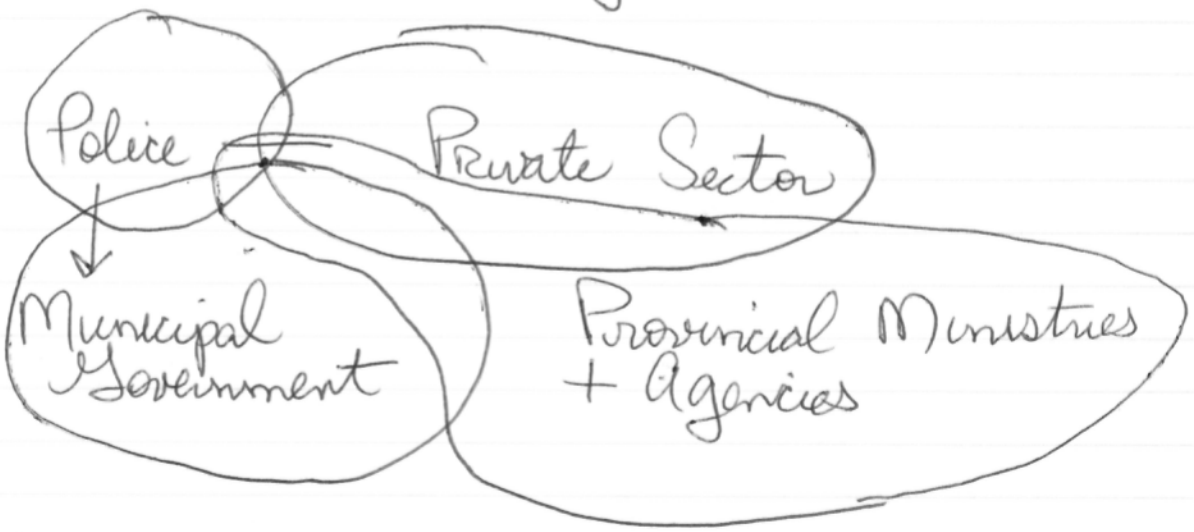
Stores: private property
Public Interest notifications → Privacy Act Sec 8(2)(m)
FOIPP Act Sec 25

Arrest Warrants
Parole + Probation Conditions → no go, no contact
Police Investigations
Photographs of offenders: digital photos at the scene OK by LPOs

Disclosure of Photos + Intelligence
→ Between LEOs
→ By Police to LEOs
→ By LEOs to Police

Disclosure of Names

Bench Warrant
Duty to Warn
Search for more VICS WITs
Further the Police investigation



* Common interest to share between agencies ∴ limited disclosure on a need to know basis

Data Breaches – Carding

JOHN LIAU, Spl Agent
US SECRET SERVICE
VANCOUVER RESIDENT OFFICE

Source for nexus to VIC, cash, USA connection

Mandate: Protection + Investigations

Current Cybercrime Trends

** Must read
VERIZON 2013 Data Breach Investigations Report
TRUSTWAVE 2013 Global Security Report

Origins
China
Romania
USA
Bulgaria
Russia
Netherlands
Armenia
Germany
Columbia
Brazil

Motives: Financial, Espionage, Other

Latest Trends

Social engineering
→ personal e-mail targeted + mined for information to be used to compromise work accts

Ransomware - Encryption gone wild

Carding Forums

Sites

carding mafia . SU
www . true-carders . com
www . dumpscarding . lefora . com
cardfather . betaboard . net

Places to sell / trade compromised records
Sites located outside USA

Links to Other Crimes

- Funding drug addictions - ID Fraud
- Fund Terrorism

Russia
MAZA FAKA

WEB-HACK . RU

CARDING
CARDERS
CARDING FORUMS

Carding Forums

Roles
→ Administrators
Moderators
Reviewers
Vendors
General Members

Benefits of Joining

Transactional
Recruitment
Knowledge sharing
Criminal infrastructure provision

Types of Carding

Carding online
↳ to a drop
Change of Billing
In Store Carding
Cashing + PIN Cashing
Gift Card Vending

Payment - Web Currency
→ WEB Money
→ bitcoin
→ Liberty Reserve
→ e-gold World wide money
www.e-gold.com

(4)

E-Commerce - Risk In The World of On Line Payments

DAVID BURNS

Prepaid Vouchers ⇒ Ransomware Fraud
⇒ Terminal Fraud

E-Wallet

E-Currency

LINDEN DOLLARS (SECOND LIFE)
WOW GOLD (WORLD OF WARCRAFT
BITCOIN (Virtual Currency)

CANADIAN GOV'T — MINTCHIP

E-Transfer, Interac On-Line, Interac Flash

Information Disclosed With a Production #

Reference #
Date
Amount
Recipient's e-mail addr, legal name, user ID
Financial institution with financial institution + contact information

Co-Badged debit cards
→ Access to more than 1 network

* Interac Risk + Cybercrime Network
APRIL 2ND + 3RD / 2014
TBD in BC

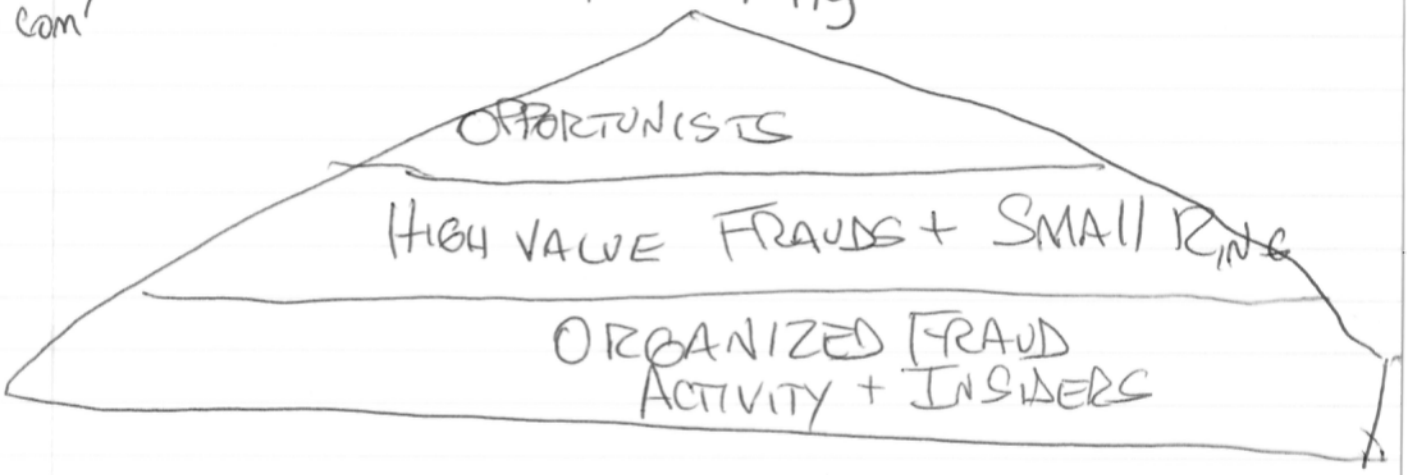
The Rise of Organized Crime

CHRIS SWECKER - TO

*ZDANOWICZ TRADE FRAUD

Interpol focus on TEOC

www.youtube.com/WATCH?=csEYBnbFng



CTR - Currency Transaction Report

TODDINGTON INTERNATIONAL
JULIE CLEGG, PRESIDENT

* Internet shifts in intelligence gathering

Has instructed in banking + financial circles

Levels of Proxy Servers, Structures of the web

(1) Surface web - accessible by search engine (GOOGLE)

(2) Deep web - not accessible by search engines

(3) Crowd source sites - apps
eg: - FLIGHT RADAR 24
↳ automated information submitted by radios, transmitters.

- FLIGHT AWARE.COM
→ track certain designated aircraft. for example its history.

- MARINETRAFFIC.COM

ANOTHERVERSIONOFTHETRUTH.COM
→ part of a reality game
→ links to other sites
→ the source code is the building blocks of the site

→ steganography → right click + move your mouse over the site

FIREFOX may be used for investigations
↳ Open Source Platform
↳ configure it to what you want it to do.

Proxy Servers

ANONYMOUSE.org ⇒ low level protection

STAYINVISIBLE.COM
→ tells you how you appear

ANONYMOX.COM
⇒ is a FIREFOX add-on
⇒
* HULU TV

ANONYMOUS PROXY SERVER

- higher level

PROXYLISTY.COM
- global list of available proxy list
- can pick by country
  ↳ IP address
  ↳ Port number

(1) copy the IP address + memorize the port number

(2) Reconfigure your browser (Preferences)

(3) Manual Proxy configuration

Introduction to TOR

It a separate internet → the deep web

Think of it as an onion router

No organized structure

* Serves 2 Purposes
  - absolute anonymity + bypass controls put in plad by your organization + country

Is based on a FIREFOX platform

The weakness is the exit node + becomes known.

* You can chose your only point

TOR HIDDEN SERVICES
- dark web
- use a different web server altogether

HIDDEN SERVICES AKA THE DARK ~~NET~~ NET

Hidden services addresses have a
- onion ~~ID~~ TLD
  - > Hidden Wiki ⇒ where you want to start
  - > Black market reloaded

Start at

www.pastebin.com ⇒ location of rendezvous points to access hidden services. It's a dump website

* ⇒ you can make your account public/private
* when using ⇒ CLOSE THE DOOR

DOWNLOAD THE SOFTWARE

http://torproject.org

* Run in default mode
* Run as a Client only
* The nodes refresh continuously

mailINATOR.com ⇒ throw away e-mail ~~website~~ address website

BITCOIN is the currency used within the dark web.
↳ are purchased through an exchange
↳ it's simply a piece of code
↳ is deregulated

GO TO PASTEBIN, cut + paste, then enter TOR with the cut + paste the URL into TOR.

The Use of The Undercover Technique in Private + Public Sector Investigations

KIM MARSH IPSA International Inc.
Vancouver BC

Legal

- Trade Shows
- Conferences
- Pretext Call
  - AKA Social Engineering
- Web Sites
- Undercover Employee / Befriend
- Trash recovery
  - AKA Penumbra Search Dumpster Dive
- Job Interviews - both hiring + seeking

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October 16, 2014

Mobile Attacks
CHARLES HENDERSON VP Managed Security Testing
TRUSTWAVE TWITTER: @angus_tx
Why?

Mobile Refresher

Certain rules of the road
* Your Smartphone is location aware via GPS
Mobile usage is growing.
Malware on your Smartphone?

3 Primary Usage Models

(1) Mobile Application Transactions
(2) Assisted Mobile Point of Sale
- Roaming in store cashier
- Mobile Transactions
(3) Unassisted Kiosk
- mobile based kiosks

* Attacks will be similar by OC

~~35~~ 59% retail
9% finance

Malware Hosting

42% USA
13% Russia
9% Germany

Intrusion to detection 87 days
Detection to containment 7 days

E-commerce made up 54% of assets targeted (these are merchant)

POS accounted for 1/3 of investigations

96% applications tested harbored 1 or more critical security vulnerabilities

* Top Application vulnerabilities can be downloaded

1/3 of cases were attributable to weak passwords

* TRUSTWAVE cracked 54% of business passwords in 3 mins. & 92% within 31 days.

Passwords typically peaked at 8 characters

Chart of Password Composition - Global Security Report.

Mobile Apps not tested by owners - only tested by OC

Finding: Offline Analysis
→ through reverse engineering by OC
Simplify use + platform for your OS

Centralized Financial Crimes Intelligence Unit

Manages BCPIO → Bank Crime Prevention & Investigation Office.

Centralized Financial Crimes Intel Unit
→ gathers + analyzes intel from police Open Source etc
mag stripe or CSN cards used in US = $58 million

4 Types of Intelligence

Tactical – immediate
Strategic – big picture - i.e. OC
Operational – resources deployed
Open Source – internet

Technology to Fight Crime

Database vs Spreadsheet
Biometrics vs photo books
Link Analysis vs RMS
Biographic Profiling vs door to door

(4)

* New Technology → (1) i Base

(2) MORPHO TRAK
→ centralized image library + case history / management system for all banks.
→ industry wide remote enrollment
→ Product design based on CFCIU's guidance

MULTIPLE FACE EXTRACTION
→ full video analysis
→ automatic template recognition

Criminal Risk
— Financial Crimes
— Cybercrime → computer + network threats → mobile banking → state sponsored intel gathering
— Physical Attacks

MALCOLM CHIVERS - CFCIU

BCSC

604 899 6550 THERESA MITCHELL BANKS

BCSC (cont'd)

Case Assessment Branch
Intelligence → Open source, VC,
Major Case Team

Considerable authority to BCSC Investigators
→ Investigation Order
↓
Summons, cross examination,
compelled interview + production
of evidence.

Operate under administrative law.

Freeze Orders
- Funds frozen verbally or by Court

Litigation Team
- In house

In House Court
- Consists of panel of 3 Commissioners
- Hearsay allowed
- Can issue collection process

Reciprocal Order between Provinces

Criminal Team
- Can proceed quasi-criminal
- proceed more than 1 way

BCSC (cont'd)

- Bound by Sec 11 of Securities Act when sharing information

IOSCo – International Order of Securities Commissions

→ good way to run names

Remote Deposit Capture

Birth of "Deposit Anywhere"

→ joint effort with 2 other CDN CU's
→ Central i developed infrastructure
→ Leveraged learnings from US implementation

Supports Apple + Android

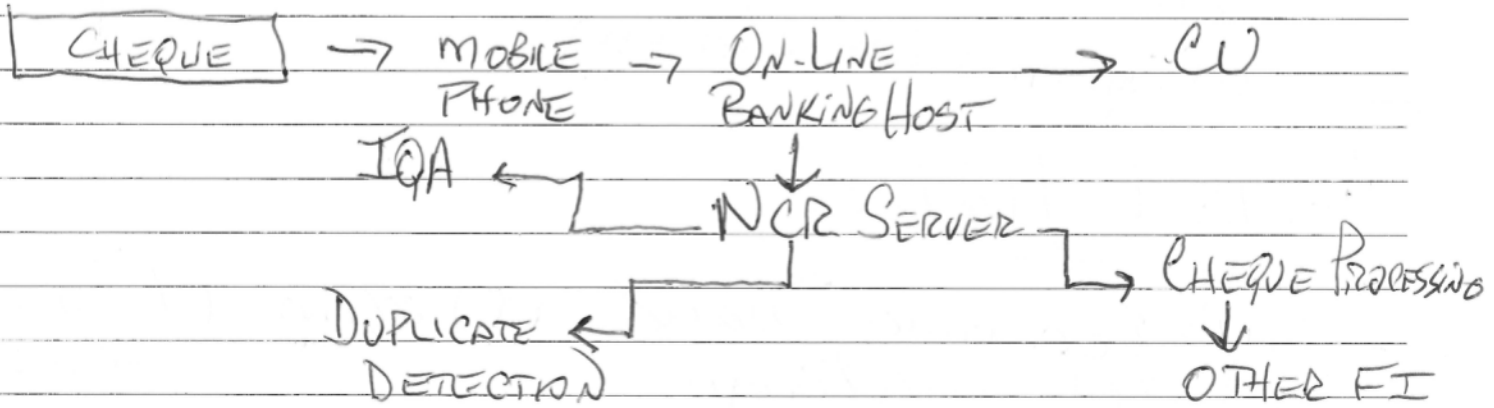
→ log into mobile APP
→ Select DEPOSIT ANYWHERE
→ ↳ Account type
→ ↳ amt of deposit
→ Take photo of front + back of cheque
→ Accept Summary of deposit information
→ Deposit Complete - Confirmation received

Remote Deposit Capture (cont'd) (7)

Next day processes
→ Centralized admin reviews items > $500
→ Image review for: no signatures, body & endorsement
→ Holds extended as required
→ "On us Cheques" reviewed
→ Experience with duplicate cheque process
→ Similar proofing process to ATM deposits

Regulatory Changes - Opening door to mobile capture
→ Changes to Bill of Exchange Act + CPA Rules

Reasons for change
→ Faster processing
→ Fewer touch points
→ Efficiencies (lower cheque volume)



Common Fraud

- Phishing
- Friendly
- Account take over

Payment Card Investigation Support for Detachments

- Affidavit Requests
- Prepare a Table
- Number Notification → link with VISA MC
- Opinion Will Say (at request of Crown)
  ↳ given by a Peace Officer
- Other investigations
- PRIME checks (last 24 hrs)
- Information sharing

Contacts / Partners

- LMD Economic Fraud meetings (1ST THURS of the month)
- Intel meetings
- Investigative Partners
  ↳ US Secret Service (Bob USUI)
  ↳ CBSA (embossers, readers, writers)
- Fanouts → National, Provincial, LMD

Payment Investigation Support (cont'd)

Digital Triangle (DICE)

- Enables a search of an electronic device while maintaining the forensic integrity + meeting the requirements of the Evidence Act.

Why

- Instant search capability after / or even during a search
- Interview material
- Documentation for Bail Hearing
- Charge Recommendation
- Prioritize exhibits if a full analysis is required.

How

- Images / Photoshop
- Credit card #s
- Files with specific names
- Application lists (MSR is a reader/writer)
- File Lists

→ ENCASE - avoid encryption

Case File

- SVS had currency + CC templates with overlap
- SVS had PIN Pad

ID Theft

HDs can be DICED

Interac Update

Debut is their expertise

Interac Debut — Policy + security

→ secure pin + chip
→ real-time payment.

→ transac limit
→ spend limit $200
→ RF smart card tech leverages security of PIN

Card Not Present — doubled

Interac Flash

contact

Interac e-Transfer

↑ increasing fraud
→ requires access to on-line banking

Fraud Use

- using on line classified ad
- criminals prioritize event tickets for sale or other goods

Protection

Should occur via known person to person

Protection

- transaction cannot be reversed once the recipient has received / deposited the funds

416-969-8339
JOANNA SCHONEVELD
JSCHONEVELD@interac.ca

Project Moonlighting

CHAO ZHU - Initial Investigation
Credit Card Fraud

Shopping for goods, ulilying young students VIC advised father who felt his son was used in a fraud scheme, took his son to the TPS who commenced an investigation using UCO's + lost VIC received 10% of value of goods purchased

WWW.YORKBBS.CA
Asian website similar to CRAIGSLIST or KIJIJI
Popular with Asian students and immigrants to USA.

SHUO XU AKA "JACK"
- required photos to produce counterfeit docs - passport

Project Moonlighting (cont'd)

- Provided 12 different CCs
- Jry 3
- Directed to approach particular HOLT RENFREW employee
- VCO paid 10%
- VCO purchd 2 Burberry shirts ($508) + MICHAEL KORS handbag ($998)

Goods fenced at an Asian mall.

VCOs meet another SUS. at another Mall - YORKDALE

Purchased

Obtained $5K credit @ SONY STORE
Purchd 5 laptops totaling just under $5K

VCOs meet "WILSON" Purchase several cell phones & Samsung 21-Phones Total approx 2K
VCOs paid $700 for day's work

Project Moonlighting (cont'd)

"Wilson" takes $7K worth of goods

VC Return Day

VCOs go to Safeway
Merchandise ret'd
VCOs paid 5%
Goods sold on internet
Returning fraud obtained goods to stores for gift cards

~~$0 illegal goods~~

POC seized along with goods
Targets arrested, SWs executed

Idea: ID websites SVS utilize for these types of frauds + notify VSSS.

Greater Vancouver Robbery Coalition to Reduce FI Robberies in BC

Study commissioned in 2005 by FIs, BC CPA
Study Group formed
Incident Descriptors
Geographic Factors
- within Sky Train

Offenders were on: parole, probation, (14)
VAL
Substance Abuse - a factor

Problem

Low incarceration rate

Reason

Easy money, drug problem in DE; ability to stand alone in line without recognition, disguise used.

Finding a Solution - Meet with VPD

Robbery Prevention Training

Signage

Greeting for Hats Hoods + Sunglass removal - scripting given

ID suspicious behaviour
↳ head down
↳ ignore greeter
↳ conceal face
↳ use cell phone

Liaise with RCMP, Police, FBI, Seattle Office
JDCT developed Safeguard Robbery Prevention Program
Send branches with highest incident of robbery rolled out Greater Portion
Expanded to 17 branches.
Robbery Leadership Program launched
Employee Buddy System implemented during robbery. Resulted in 1 instance of SUS walking away.

Promoted Use of GPS Tracking PACs.
→ receive less cash
→ chance of ~~getting~~ arrested
→ ~~be arrested~~
→ Plead guilty
→ Loose different FI

Improved Robbery Photos

Robbery Circulars for Chronic Bandits

Monthly Meetings between Police + FIs to share information

Early Morning Takeovers

Action
1. Security film to all doors, windows, ATM
2. Proper Practice Early morning
3. Leverage use of employee cell phones
4. More internal + external surveillance cams
5. More ESP CSO PACS + Vault PACS
6. Live monitor early morning proceeds
7. Roving guard patrols, + increase police patrols

Leveraging FIs for suspect identification

Networking and Advocacy Efforts.

ORC A Vancouver Perspective

Human Source based

Operation Type

- **Organized Retail Crime** 10
  - Contractor
  - Insulated
  - Direct Involvement
- **Mobile** 13 Fence
  - Contractor
  - Predator
  - Direct Involvement
- **Distribution** 1 Fence
  - Contractor
  - Insulated
- **Business Front** 25 Fence
  - Contractor
  - Predatory

Distribution Fence - from other Contractors
Fence - a fence for other fences
Insulated - between fences no middleman
Direct Involve - For their use, running a business steal for themselves

Predatory - If you don't deal with me, I will never use you again Go to retail for business front

ORC (cont'd)

$20 - $40K / day in DTES Predatory

no tags = no sale → barter system

Product specialization by Fence / Distributor

October 15TH + 16TH IAFCI BRCR.

2017 Last week of AUGUST WESTIN BAYSHORE
43 Chapters South Africa, Europe New
Chapter in Mexico 800 people

Receiver General Fraud
Cheque Detection Program

Analysis 2013-14 losses to CDN economy due to fraud = $4.5 mil.

Weekly cheques are stolen from mail - altered, modified & counterfeited

2013-14 315 million Government cheques = $80 billion
of which 70 million cheques GOC

GOC cheques kept for 6 years, destroyed in 7TH
Only FI's may contact the Cheque Redemption Control Directorate 1-866 552 8034 (CRCD)

CRCD

Role: reconcile all payments
Scan cashed cheques in the bank clearing system

Tri Maple Leaf Watermark
- security feature

Counterfeit cheque by Province

#1 Nfld
#2 Qubec
#3 Ontario
#4 BC

Trends

1. Counterfeit: ↑
2. Altered: ↑ BC ↑ Qbec.
3. E-banking skating
4. Forged endorsement ↓ due to ↑ Direct Deposit
5. Crim Orgs targeting GOC cheques
6. Enforcement works + is essential to contain this activity

B of C

Provides support to law enforcement
138 affidavits and or certified cheques
produced to support prosecution

Privacy Legislation 8(2)(e) 8(2)(f)

[Apr 21-24 Prairie Regional IAFCI]

Security + Investigation Services
Canada Post

---

1. Community mailbox 1/3
2. New Approach to pricing
3. Franchise Post Offices
4. Streamlining operations → computerized.
   → scanning
   → fleet
5. Cost of labour

Structure

Chief Postal Inspector

Admin Asst

Dir Investigs Nat'l / Area West

Senior Postal Investigator Central

Insp i/c Field Svcs Central

Security Access Centre
1-855-229-6025

- Privacy
- Mail Inspection
- Fraud Mail Re-direct
- Mail at Risk
- Mail Theft
- Mailbox B&E
- Postal security consultation
- Employee security/safety

Investigative Support

Bait Mail Program

- New technology → items contain GPS in high risk areas

Mail Analysis

- review mail recovered
- Analyses / Will Say.
- Avoids numerous statements - VICS
- Expert Court Witness

Mail Recall Program 2013

Fraud as a result of a customer reporting a loss of goods + the intended addressee presented a fraudulent payment (as):

- Stolen / counterfeit CCs
-

Privacy Act

Protected

- Box holder info
- Change of address info
- Items received @ an address
- Contents of items

Controlled Deliveries

- Postal Inspector initiated
- Police / Law Enforcement
- Once item removed as result of Gen'l Warrant / Assistance Order required to facilitate a controlled delivery.

Aerial Unmanned Surveillance

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