An Easy Win: Using SIGINT to Learn about New Viruses

Project CAMBERDADA
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Derived From: NSA/CSSM 1-52
Dated: 20070108
Declassify On: 20370301

Overall classification

TOPSECRET//COMINT//
REL TO USA, AUS, CAN, GBR, NZL

BRICKTOP (2009)

Tascom

RusComNet

Kaspersky

Rosoboron

expert

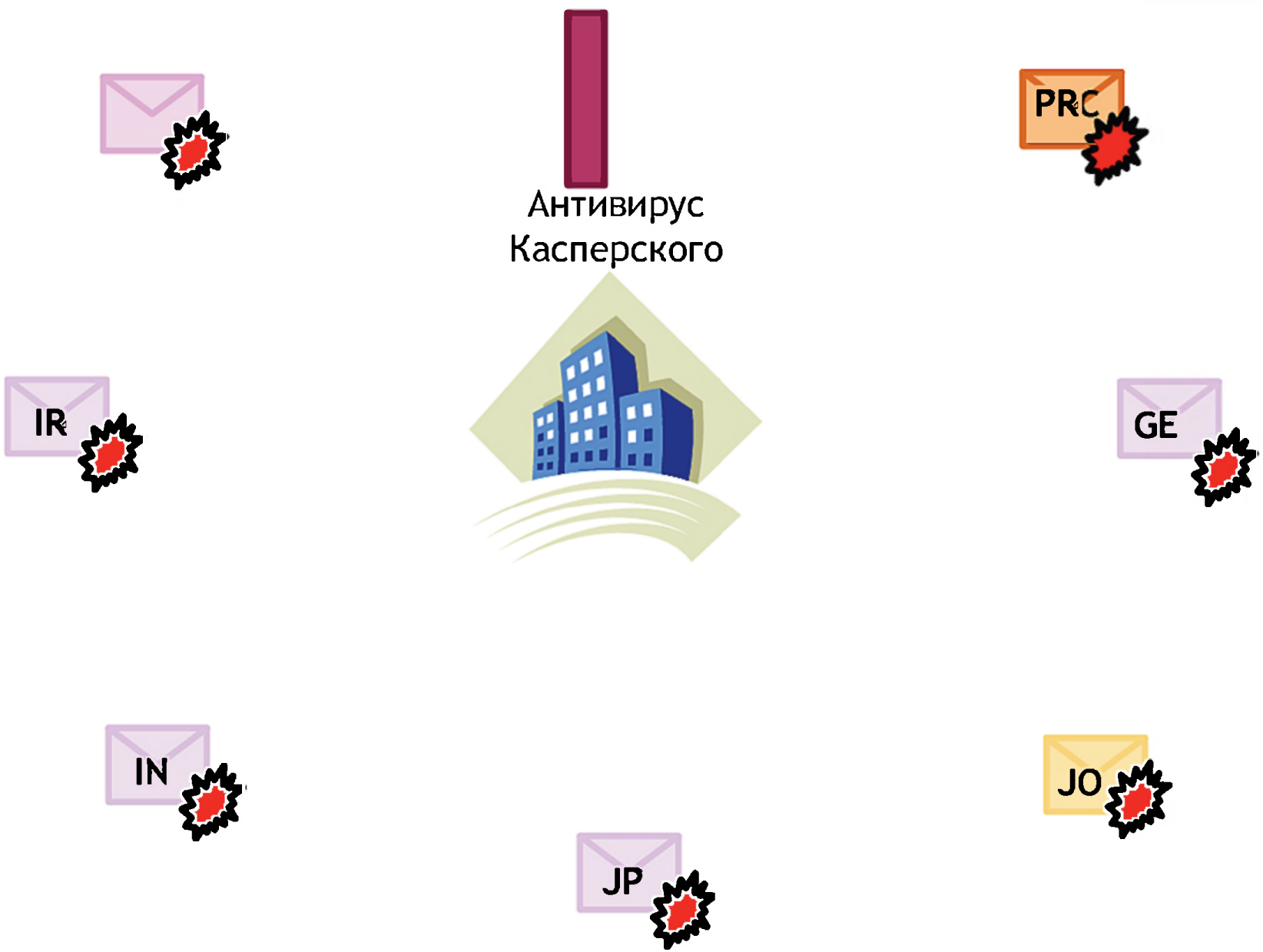
nstitute of Information
&
Analytical Technology
(IIAT)

Moscow
Telecommunication
Corporation
(ComCor)

Famatech

Comstar

Komet


PRC
Антивирус
Касперского
IR
GE
IN
JO
JP

Sample Email Received by an AV Vendor

PWZA20120510218350000197506

Good day,

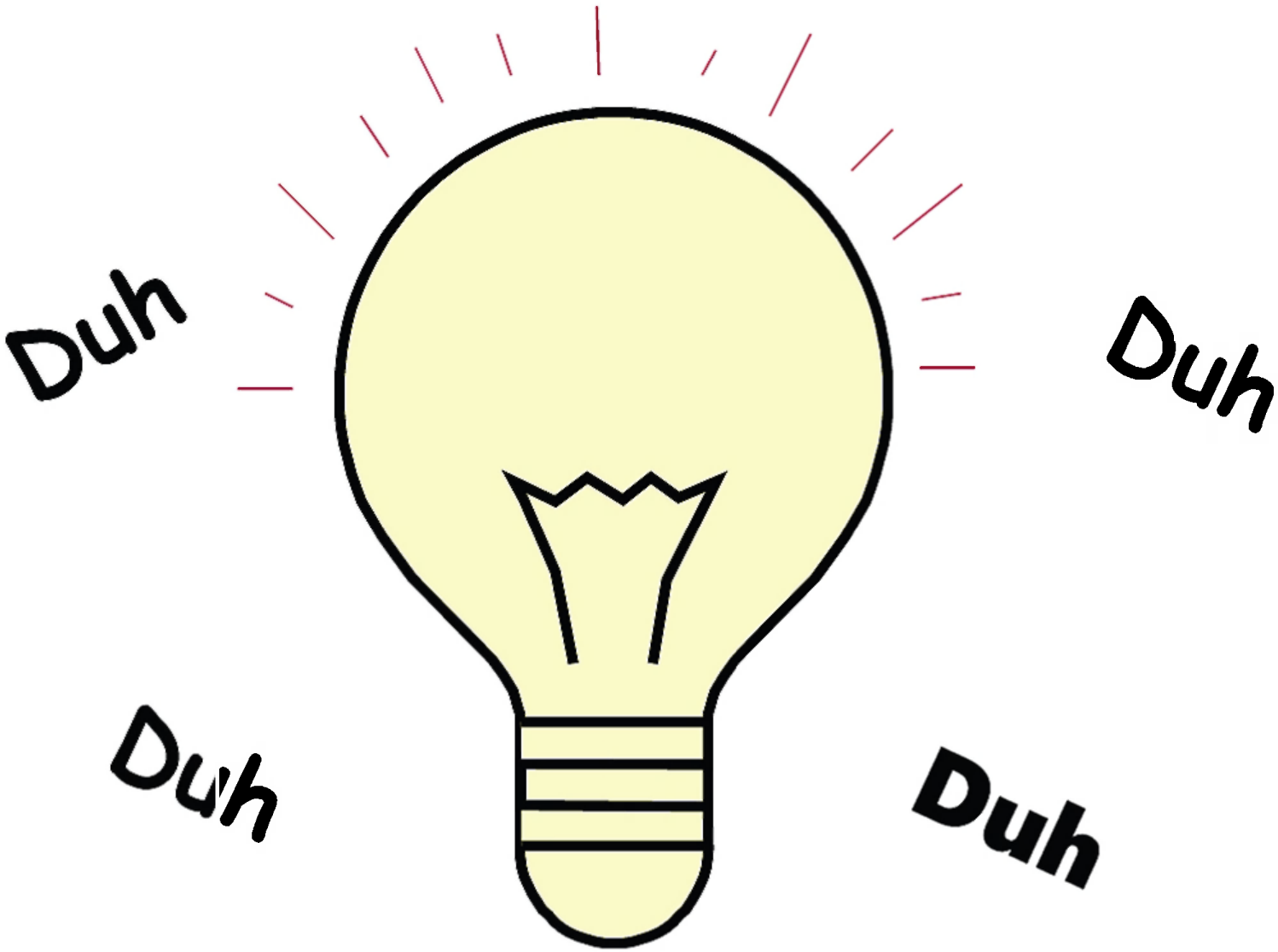
A phishing scam file is attached for your analysis.
Zip file password = **virus**

The file tricks the user into giving her/his bank account credentials. This can be verified by clicking on the *Sign In* button.

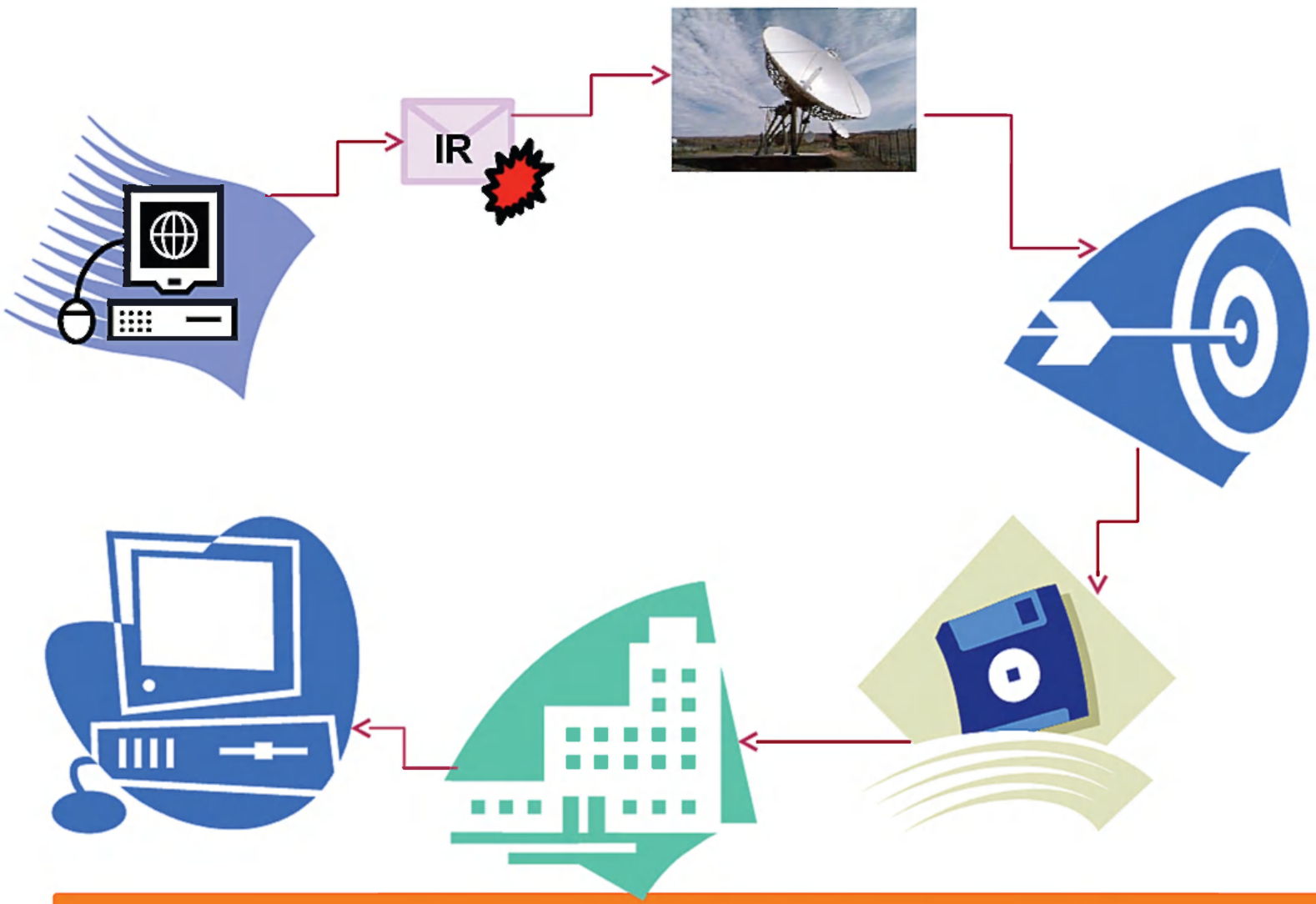
FYI: https://www.virustotal.com/file/8fb6447fdc9cfe204cde...

Regards,
Francois Picard
www.NewRoma.net

Attachment: BMOFinancialGroup.zip


Duh
Duh
Duh
Duh

Work Flow



Analytic value

- SIGINT brings in ~10 potentially malicious files per day for malware triage
- Over 500 potentially malicious files collected since 2009
- ~ 50 CAMBERDADA signatures deployed to NIPRnet for alerting
- 9 domains mitigated

DNS Interdiction

- 9 domains under DNS Interdiction
- Cloudshield intercepts the DNS request
- Returns the address of a DoD listening post
- Munged version of the request is sent out
- DNS response is sent to a log

Current status

- CRN
  - SSO
  - Overhead
  - SCS
  - FORNSAT
- IN L-C-2010-147 – Multi-Country: Computer Network Ops
- Dozens of CADENCE selectors
- PINWALE daily queries; EXIT4 models
- MAILORDER

What else can we do?

- TAO can repurpose the malware
- Check Kaspersky AV to see if they continue to let any of these virus files through their Anti-Virus product
- Monitor the folks who provide the malware to see if they're into more nefarious activity
- Establish automated reporting

More Targets!

fsb-antivirus (France)

Bit-Defender (Romania)

Viritpro (Italy)

eAladdin (Israel)

Norman (Norway)

F-secure (Finland)

DrWeb (Russia)

AVG (Czech)

F-prot (Iceland)

Hauri (Korea)

k7computing (India)

Ikarus (Austria)

Arcabit (Poland)

Antiy (Chinese)

Avira (Germany)

Spy-Emergency (Slovakia)

Nod32 (Slovakia)

Novirusthanks (Italy)

Ahnlab (S Korea)

Emsisoft (Austria)

Eset (Slovakia)

Avast (Czech)

Checkpoint (Israel)

THANK YOU!

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