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 export

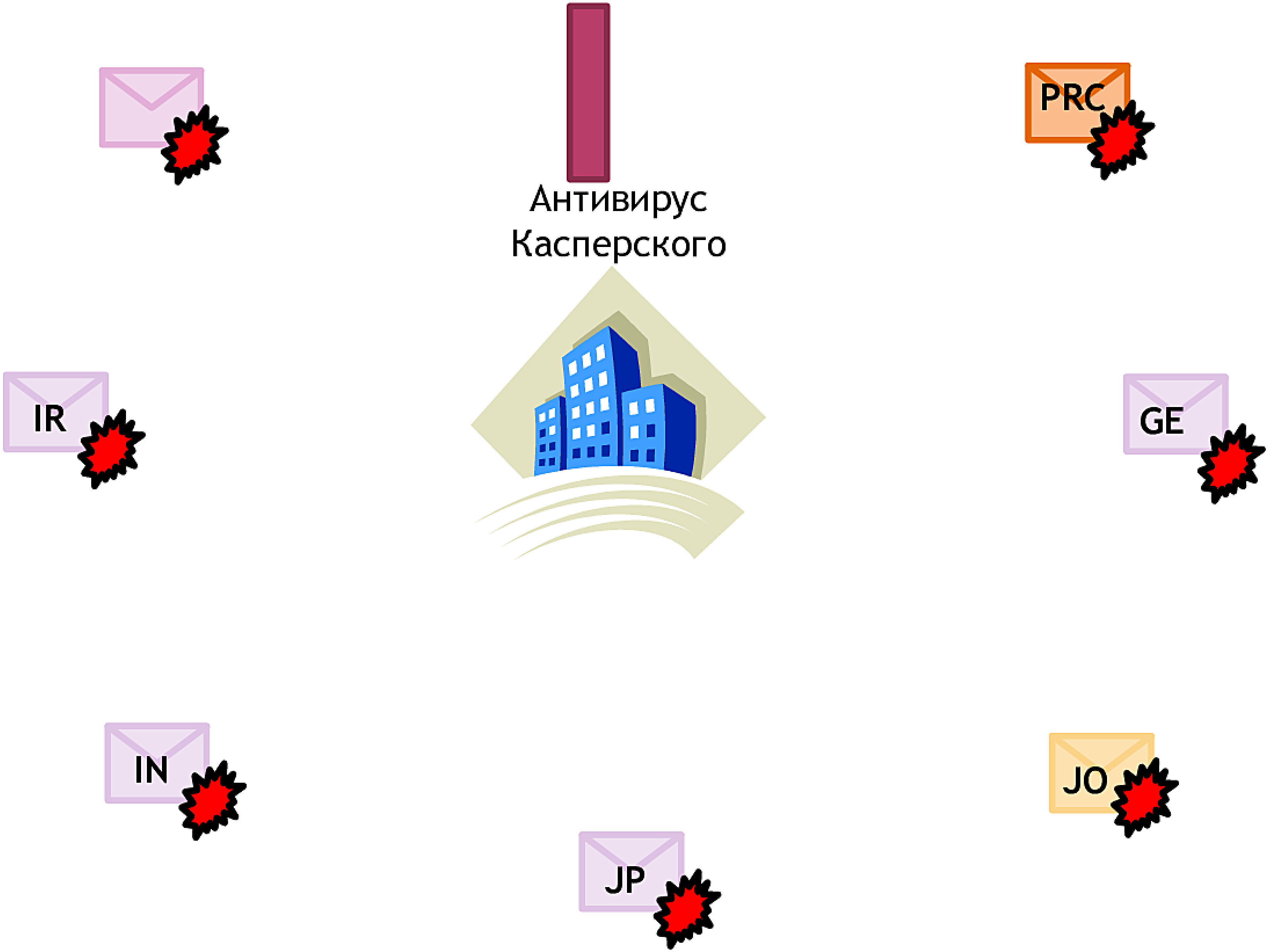
nstitute of Information & Analytical Technology (IIAT)

Moscow Telecommunication Corporation (ComCor)

Famatech

Comstar

Komet



Антивирус Касперского

Sample Email Received by an AV Vendor

PWZA20120510218350000197506

Good day,

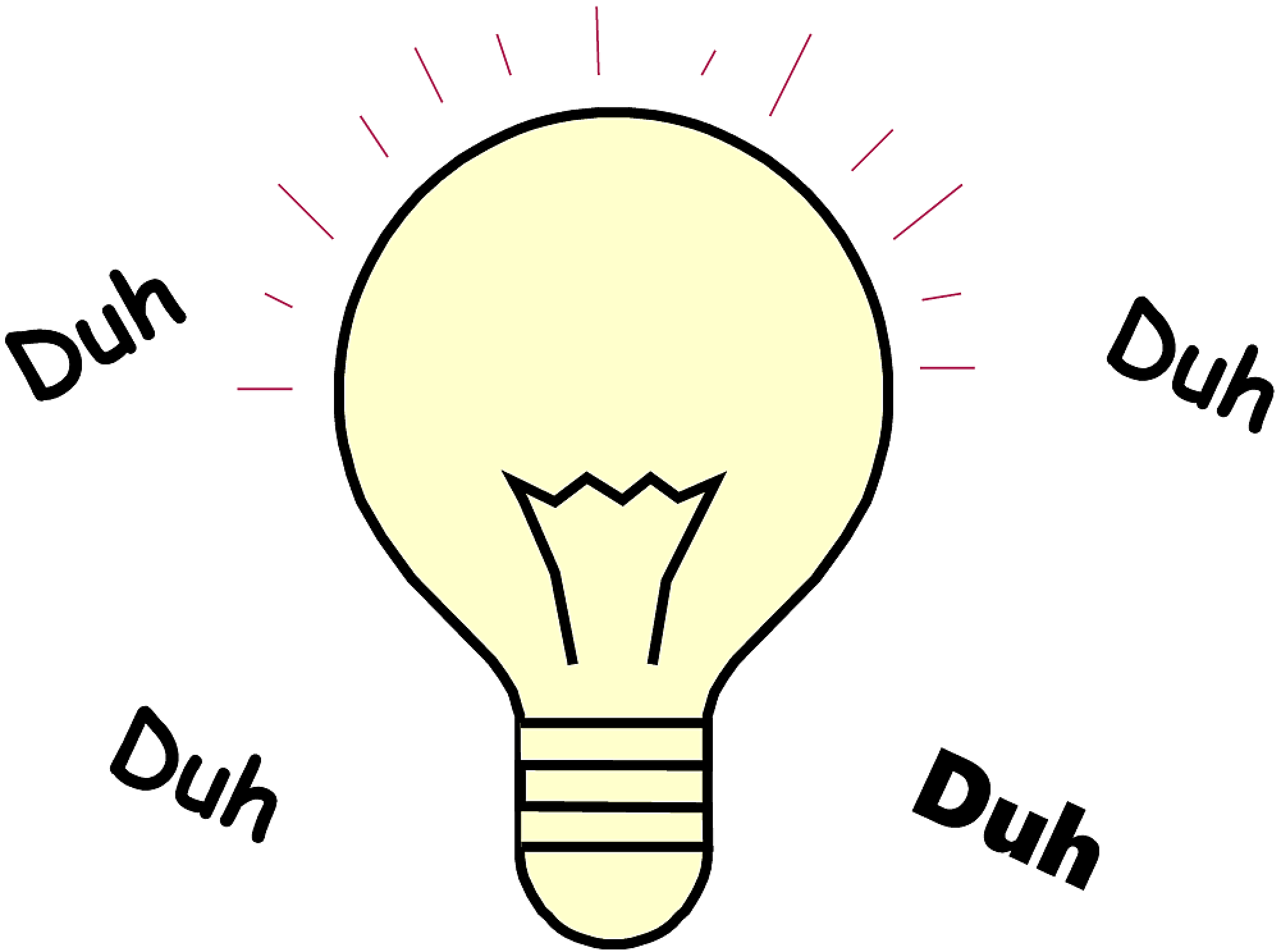
A phishing scam file is attached for your analysis.
Zip file password = **virus**

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

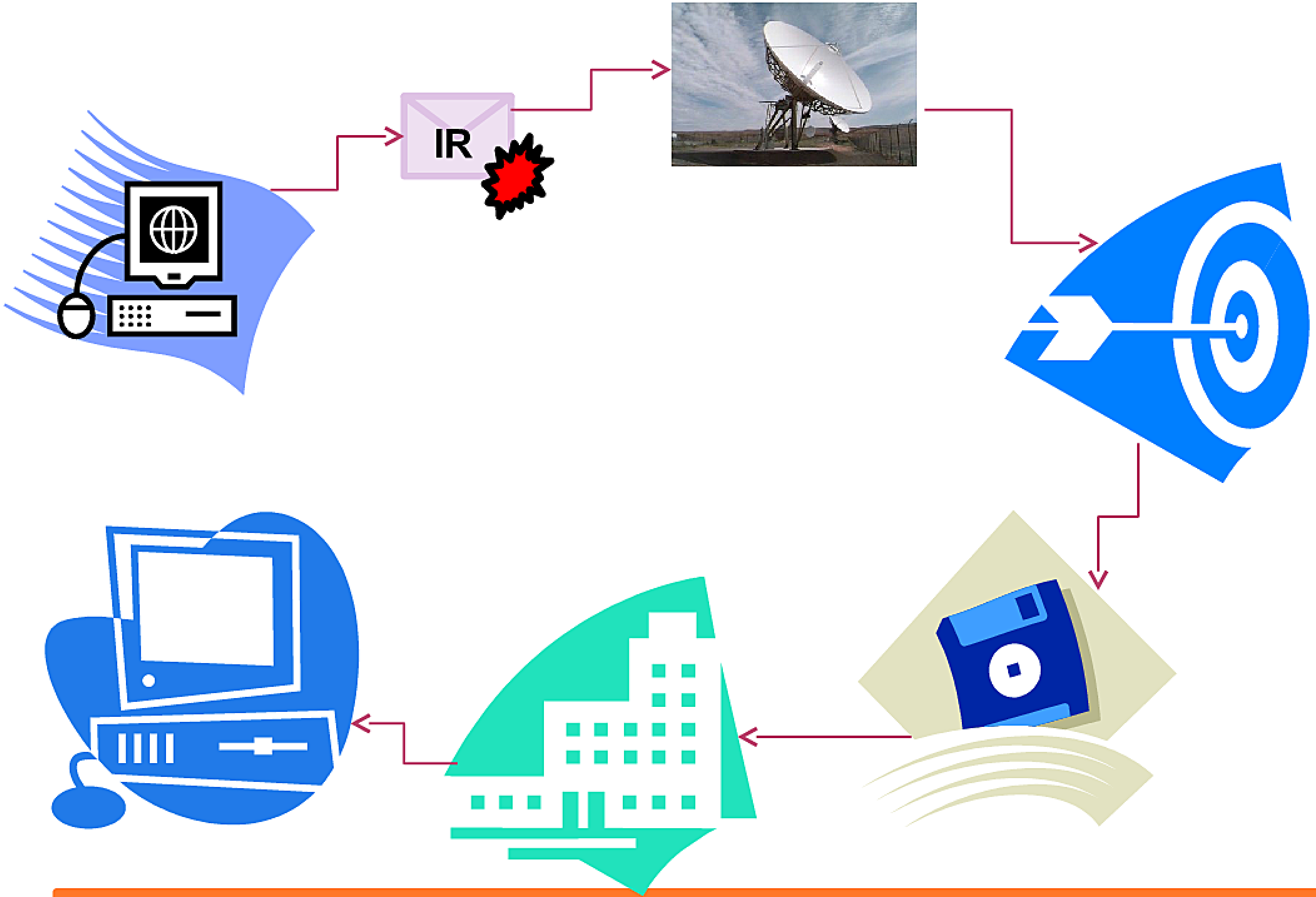
FYI: https://www.virustotal.com/file/8fb6447fdc9cfe204cde...

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!

Viritpro
(Italy)

fsb-antivirus
(France)

eAladdin
(Israel)

Bit-Defender
(Romania)

AVG
(Czech)

F-prot
(Iceland)

Norman
(Norway)

F-secure
(Finland)

DrWeb
(Russia)

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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