The Snowden Files: British Spies Used Sex and 'Dirty Tricks'

Slideshow No. 2

These slides, from a top-secret spy conference in 2010, were prepared by GCHQ, the British signals intelligence agency, describing cyber operations and proposals for operations. The slides focus on the efforts of a unit, the Joint Intelligence Research Group, or JTRIG, and include a proposal to use foreign journalists for intelligence operations.

The slides were leaked by former NSA contractor Edward Snowden and obtained exclusively by NBC News, which is publishing them with minimal redactions.

UK TOP SECRET STRAP1

Full-Spectrum Cyber Effects

SIGINT Development as an enabler
for GCHQ's "Effects" mission

UK TOP SECRET STRAP1

Effects

Destroy | Deny | Degrade | Disrupt | Deceive | Protect

Computer Network Attack (CNA)
Computer Network Information Operations (CNIO)
Disruption

UK TOP SECRET STRAP1

Effects in GCHQ

- Definition: having an impact in the real world

- Key deliverers: JTRIG and CNE

- Now major part of business – 5% of Operations

- Across all target types

- Continuous innovation of new tools and techniques

UK TOP SECRET STRAP1

CNIO
Computer Network Information Operations

- Propaganda
- Deception
- Mass messaging
- Pushing stories
- Alias development
- Psychology
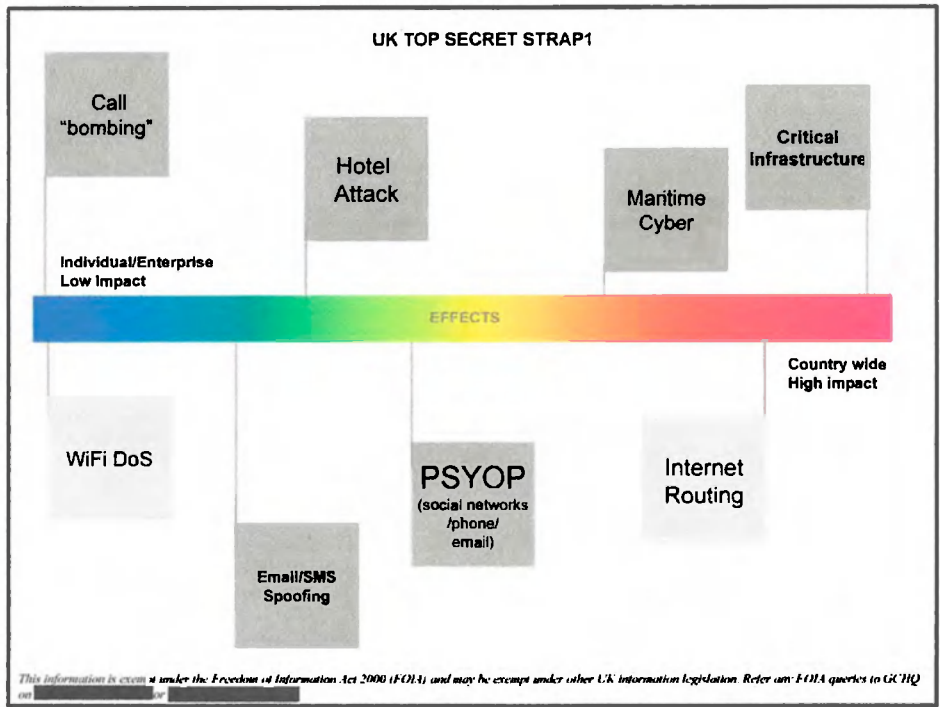
UK TOP SECRET STRAP1

Disruption / CNA

- Masquerades
- Spoofing
- Denial of service
  - Phones
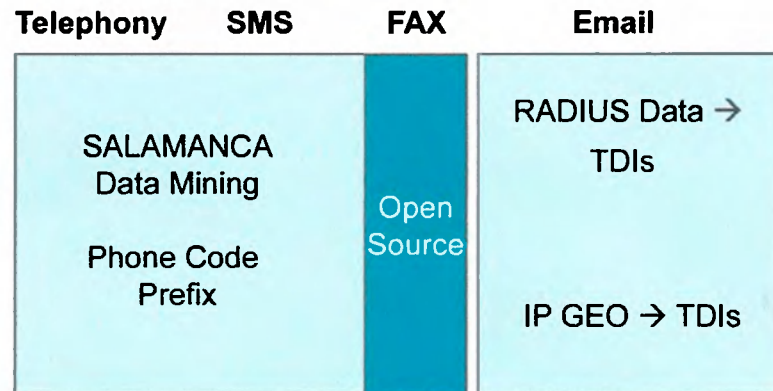 - Emails
  - Computers
  - Faxes

UK TOP SECRET STRAP1

Call "bombing"

Critical Infrastructure

Hotel Attack

Maritime Cyber

Individual/Enterprise Low Impact

EFFECTS

Country wide High impact

WiFi DoS

PSYOP
(social networks /phone/ email)

Internet Routing

Email/SMS Spoofing

UK TOP SECRET STRAP1

Information Operations
INFINITE CURVATURE/MOUNTAIN SLOPE

Sending messages across the full spectrum of communications

Telephony   SMS   FAX   Email

SALAMANCA
Data Mining

Open
Source

Phone Code
Prefix

RADIUS Data →

TDIs

IP GEO → TDIs

UK TOP SECRET STRAP1

ROYAL CONCIERGE
A SIGINT driven hotel reservation tip-off service

From: reservations@expensivehotel.com
To: new-target@mod.gov.xx

"Thank you for reserving......"

ROYAL CONCIERGE exploits these messages and sends out daily alerts to analysts working on governmental hard targets

**What hotel are they visiting?
Is it SIGINT friendly?**

An enabler for effects – can we influence the hotel choice? Can we cancel their visit?

We can use this as an enabler for HUMINT and Close Access Technical Operations

UK TOP SECRET STRAP1

Mobile Information Ops

50 new mobile TDIs being Developed by end of 2010

**Also - Target Geographical Identifiers (TGI)**

We can shape CNIO against specific locations, users with a high degree of cognition

This information is exempt under the Freedom of Information Act 2000 (FOIA) and may be exempt under other UK information legislation. Refer any FOIA queries to GCHQ on [redacted] or [redacted]

UK TOP SECRET STRAP1

Human Systems Analysis

Foreign News Agencies:
- Credential Harvesting
- Employee Analysis

SIGDEV
- who?
- how?
- why?

Data in

New Data out

Data out
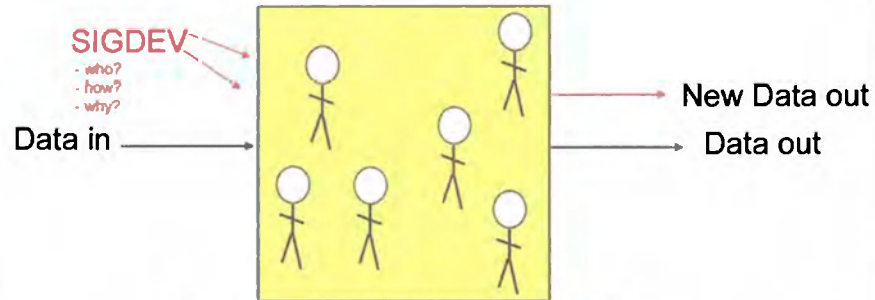
Social not technological solution

UK TOP SECRET STRAP1

Future?

Formalising Tradecraft for Analysts:

"What SIGDEV needs to be done prior to starting an Effects operation?"

Joining up with 5 EYES where possible (cyber development)

SIP and VoIP Effects – Denial of Service, Psychological Operations

Provide the defensive advice from the offensive perspective