



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

Slideshow No. 2

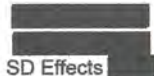
These slides, from a top-secret spy conference in 2010, were prepared by GCHQ, the British signals intelligence agency, describing cyber operations and proposals for operations. The slides focus on the efforts of a unit, the Joint Intelligence Research Group, or JTRIG, and include a proposal to use foreign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

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Effects

Destroy | Deny | Degrade | Disrupt | Deceive | Protect

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

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Effects in

- 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

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CNIO

Computer Network Information Operations

- Propaganda
- Deception
- Mass messaging
- Pushing stories
- Alias development
- Psychology

twitter

flickr YouTube

facebook

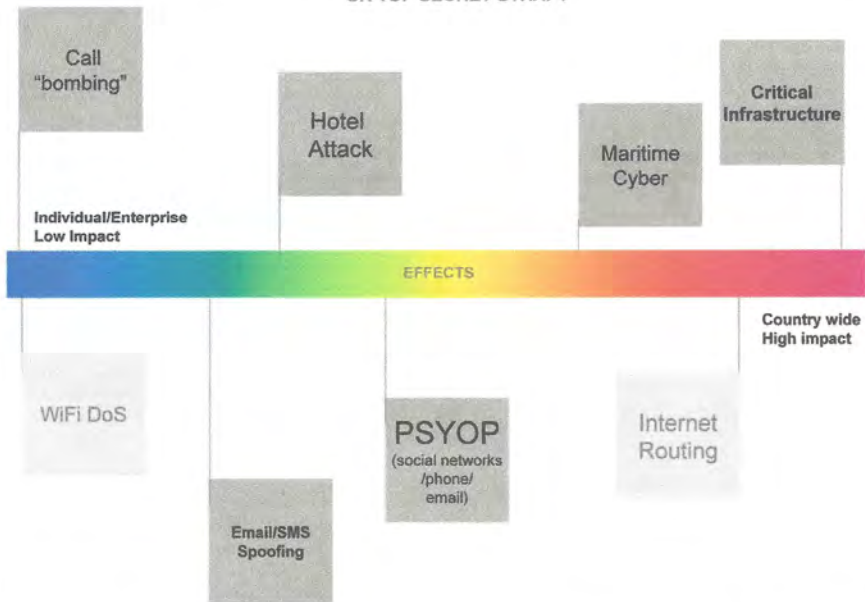
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Disruption / CNA

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



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Information Operations

INFINITE CURVATURE/MOUNTAIN SLOPE

Sending messages across the full spectrum of communications

Telephony**SMS****FAX****Email**

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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

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Mobile Information Ops



**50 new mobile TDIs being
Developed by end of 2010**

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

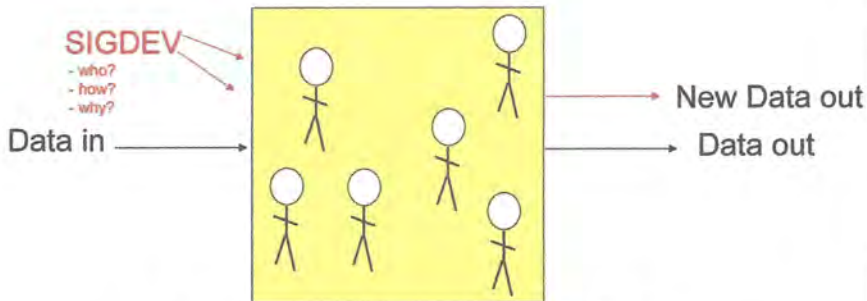
***We can shape CNIO against
specific locations, users with
a high degree of cognition***

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Human Systems Analysis

Foreign News Agencies:

- Credential Harvesting
- Employee Analysis



Social not technological solution

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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