

## 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.

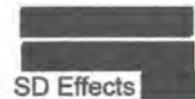
The slides were leaked by former NSA contractor Edward Snowden and obtained exclusively by NBC News, which is publishing them with minimal redactions.

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## Full-Spectrum Cyber Effects

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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 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

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CNIO

Computer Network Information Operations

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

twitter

flickr YouTube

facebook

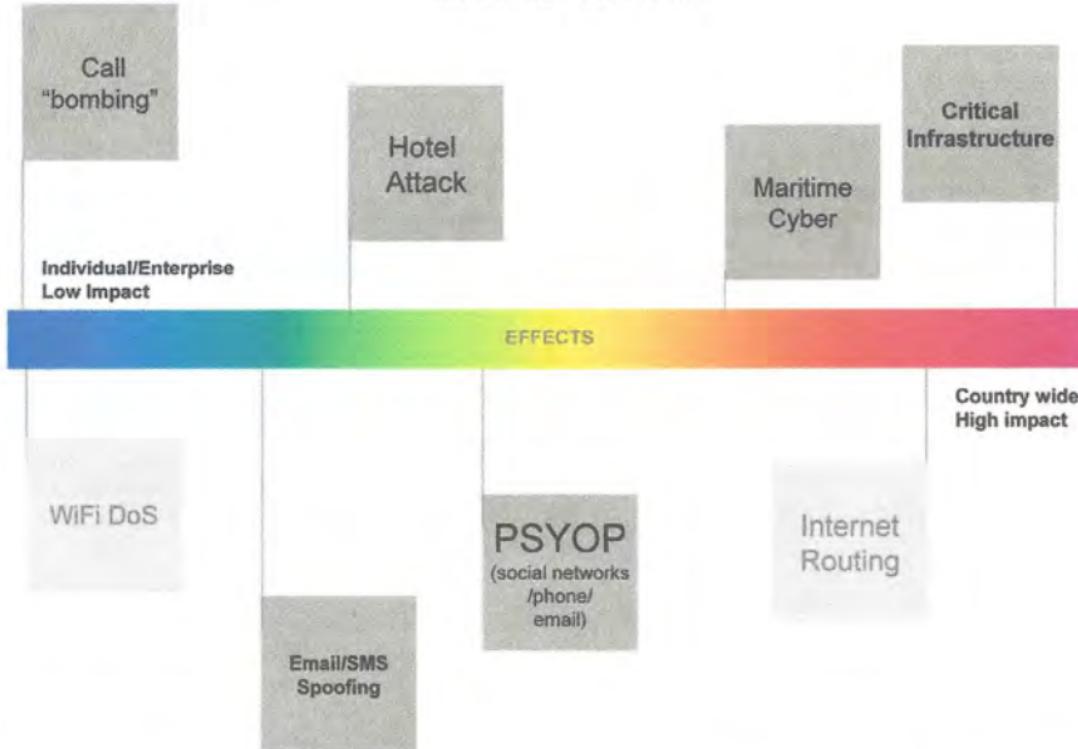
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# Disruption / CNA

- 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

SALAMANCA  
Data Mining

Phone Code  
Prefix

Open  
Source

RADIUS Data →  
TDIs

IP GEO → TDIs

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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)**

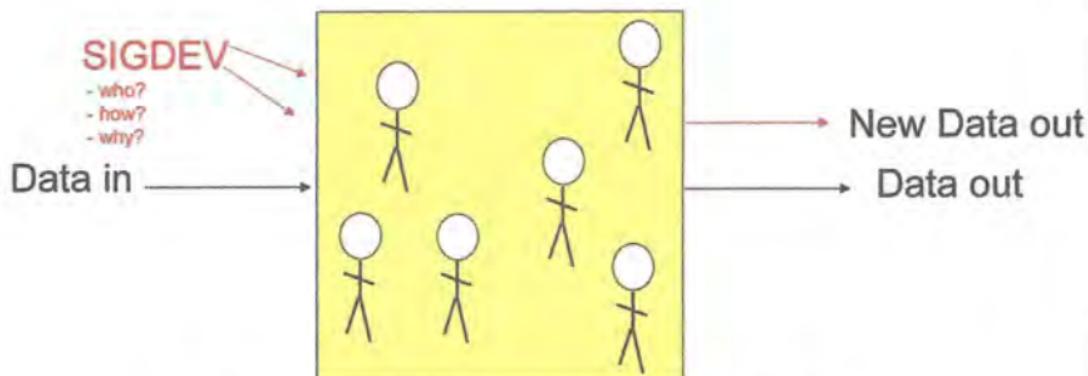
*We can shape CNIO against specific locations, users with a high degree of cognition*

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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