DICHOTOMIES IN UK INFORMATION SECURITY POLICY

Air Cdre R McConnell
Director DSSO
dsso@defence.co.uk
<table>
<thead>
<tr>
<th>Report Date</th>
<th>Report Type</th>
<th>Dates Covered (from... to)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Title and Subtitle</th>
<th>Contract Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dichotomies in UK Information Security Policy</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Project Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>McConnell, R.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Performing Organization Name(s) and Address(es)</th>
<th>Performing Organization Report Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAF, M.O.D.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sponsoring/Monitoring Agency Name(s) and Address(es)</th>
<th>Sponsor/Monitor’s Acronym(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOARD PSC 802 BOX 14 FPO 09499-0014</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Distribution/Availability Statement</th>
<th>Sponsor/Monitor’s Report Number(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved for public release, distribution unlimited</td>
<td></td>
</tr>
</tbody>
</table>

Supplementary Notes
See Also ADM001419 for whole conference on CD-ROM. These papers are from the Harnessing Advanced Technology for C4ISTAR, The Second Annual Advanced Technology Conference, held 25-27 September 2001 at The Great Malvern Theatre Complex., The original document contains color images.

Abstract

Subject Terms

<table>
<thead>
<tr>
<th>Report Classification</th>
<th>Classification of this page</th>
</tr>
</thead>
<tbody>
<tr>
<td>unclassified</td>
<td>unclassified</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Classification of Abstract</th>
<th>Limitation of Abstract</th>
</tr>
</thead>
<tbody>
<tr>
<td>unclassified</td>
<td>UU</td>
</tr>
</tbody>
</table>

Number of Pages
22
WHAT CONTEXT?

WHAT POLICY?

WHAT CHANGE?
POST-MODERN WORLD

* HEDONISM
* IMMEDIACY
* INDIVIDUALISM
* ALIENATION
* APPEARANCE
THE INFORMATION AGE

FROM                          TO

NEED TO KNOW                  NEED TO SHARE

KNOWLEDGE IS POWER            KNOWLEDGE IS VALUE

WITHOLD                       DISCLOSE

BESPOKE                       COTS
POLICY

MOD: The bridge between a vision and a programme or outcome that makes an enduring difference in the real world

CHAMBERS: A system of administration guided more by interest than by principle
“[HMG’s] reluctance to face the facts and inability to devise and implement consistent policies to address them. Instead, the facts are distorted by the new breed of spin doctors, and “eye-catching initiatives” replace serious policy”

Sir Andrew Green, letter to The Times, 23 Aug 01.
BUT....

IS DELIBERATE ANTICIPATION STILL A REALISTIC ALTERNATIVE TO AGILE REACTION?
“the native hue of resolution is sicklied o’er with the pale cast of thought....and enterprises of great pith and moment...lose the name of action.”

HAMLET
Act III Sc I
## CURRENT THREATS TO INFORMATION

<table>
<thead>
<tr>
<th>Component</th>
<th>Malicious</th>
<th>Accidental</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONFIDENTIALITY</td>
<td>ESPIONAGE, LEAKS</td>
<td>OVERSIGHTS, BREACHES</td>
</tr>
<tr>
<td>INTEGRITY</td>
<td>FRAUD, MISCHIEF</td>
<td>ERRORS, FAILURES</td>
</tr>
<tr>
<td>AVAILABILITY</td>
<td>SABOTAGE, THEFT, VANDALISM</td>
<td>BREAKDOWNS, DISASTERS</td>
</tr>
</tbody>
</table>
Impact

Probability

Nation State
Terrorist
Industrial Espionage/Brokering
Criminal
Virus Writers
Crackers
Hackers & Script Kiddies

Low (<1)  Medium (100’s)  High (>10,000)

Insider Threat

INSIDER

PROBABILITY
THE ENVIRONMENT HAS CHANGED...

CAN WE?

ORGANISATIONALLY

CULTURALLY
CODIFICATION OF RISK MANAGEMENT

**AWARENESS**

**TIME**

- **1991**
- **1992**
- **1993**
- **1994**
- **1995**
- **1996**
- **1997**
- **1998**
- **1999**
- **2000**

- **PRIVATE SECTOR**
- **PUBLIC SECTOR**

- **CADBURY**
- **RUTTEMAN**
- **GREENBURY & HAMPEL**
- **COMBINED CODE**
- **TURNBULL**
- **NAO (Gen) 13/00**
DG Info
ACDS(Ops)
DGS&S
CM(IS)

BETTER EXPLOITATION OF INFORMATION
DG Info

ACDS(Ops)

DGS&S

CM(IS)
ACCREDITATION

LOGIC

SYSTEM

PROCEDURAL

PERSONNEL

PHYSICAL
CONFIDENTIALITY: unauthorized disclosure

INTEGRITY: unauthorized modification

AVAILABILITY: authorized access
LEGAL AND REGULATORY FRAMEWORK

DATA PROTECTION ACT 1998
HUMAN RIGHTS ACT 1998
REGULATION OF INVESTIGATORY POWERS ACT 2000
FREEDOM of INFORMATION ACT 2000
PRIVACY

WITHDRAWN ↔ WITHELD

ANONYMITY  SECRECY  SOLITUDE

INTIMATE NATURE & REASONABLE USE
TOP SECRET  exceptionally grave damage
SECRET  serious damage
CONFIDENTIAL  materially damage
RESTRICTED  adversely affect
NATIONAL POLICY ON BASELINE
GRADE ENCRYPTION
DISPROPORTIONATE

DECOUPLE DESCRIPTORS FROM
PROTECTIVE MARKINGS