

SECURE COMMUNICATIONS AND INFORMATION SYSTEMS

## CHEAT

### Cyber Human Error Assessment Tool



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### Cyber Human Error Assessment Tool

#### DEFENDING AGAINST THREATS FROM WITHIN

Recent studies have shown that around 60%\* of all cyber-attacks are caused by insiders. What's more, the overwhelming majority of security breaches - a worrying 95%\*\* - can be attributed at least in part to human error.

Thales's Cyber Human Error Assessment Tool (CHEAT) is a proven, cost-efficient process for determining how psychological motivations and cultural issues might weaken an organisation's cyber security.

#### UNCOVERING HIDDEN WEAKNESSES

CHEAT combines interviews with key personnel with other fact-finding methods to measure cyber security weaknesses against more than 40 human-related threat indicators. This information is collated and cross-referenced to create a detailed insight to the risks that your organisation faces on a daily basis. There are three outcomes:

- Weaknesses are identified and mitigating actions suggested through a series of automated reports, each weakness prioritised in order of importance and scored for their ease of implementation
- A team of experienced Human Factors Specialists look even deeper into your organisation to develop measures that are carefully tailored to your unique needs
- Our consultants can then work in close partnership with you to mitigate the risks in the most appropriate ways

Standardised risk scoring makes it easy to repeat the exercise to measure how effective your changes have been, and to compare scores between functions and organisations.

CHEAT is suitable for all branches of the military, central government and commercial organisations and can scale from analysing specific functions to a broader, enterprise-wide analysis.

#### A GLOBAL TEAM AND WORLDWIDE CONTACTS

Trusted by the military and governments around the world, Thales has the people, processes and technology to reduce risk, improve security and protect your organisation.

As you would expect from Thales, the precise service that we provide to each of our clients is tailored to specific needs and always held in the strictest confidence. That said, our cyber security

experts and behavioural analysts will give you:

- A comprehensive Human Factors cyber security audit and evaluation
- Access to an extended team of specialists with expertise in relevant fields
- The facts you need to make informed decisions
- A fast, cost effective, low-risk solution
- Peace of mind through enhanced security

#### HOW CHEAT IS MAKING A REAL-WORLD DIFFERENCE

##### SUPPORTING THE ROYAL NAVY

CHEAT was used to assess the Thales team responsible for Royal Navy's 'Crownsnest' project, which will provide airborne surveillance and control capability to Merlin Mark 2 helicopters on the new Queen Elizabeth Class aircraft carriers.

A combination of questionnaires and direct face-to-face interviews was used to gather data, and the results were triangulated. CHEAT generated 60 specific recommendations, prioritised by their importance and ease of implementation. Additional bespoke recommendations were also made.

##### IMPROVING CYBER SECURITY

Following an attempted cyber-attack, a major defence contractor used CHEAT to assess its Secure Networks department. Questionnaires were distributed and in-depth interviews were conducted with senior members of staff.

Once the data had been collated and cross-referenced, the CHEAT team made a number of suggestions including simple, cost-efficient adjustments to the company's cyber security policy and a heightened awareness of human factors issues.

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