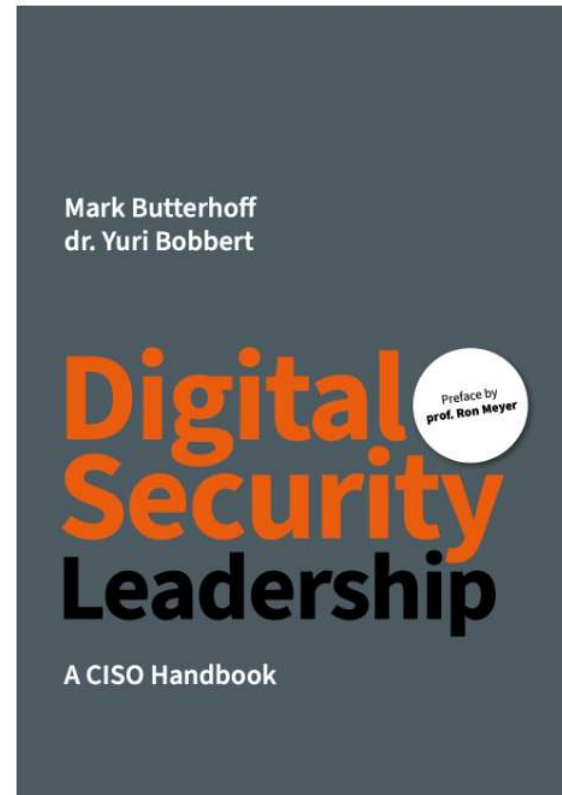




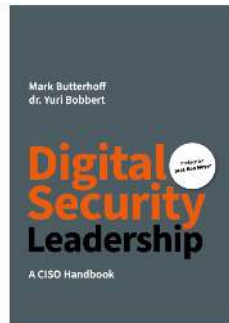
# Digital Security Leadership

Mark Butterhoff  
19 March 2025



# Who am I?

---







# Why this book?

---





**WRONG  
FOCUS**



The  
problem we  
all face

---

Increase in cyber security threats

---

Increase in compliance pressure

---

Complex landscape to secure

---

Insufficient skilled staff

---

Budgetpressure

---

....and all the rest....

# How we usually solve these issues

---

HIRING MORE AND MORE (UNSKILLED) STAFF  
*- MORE IS LESS -*

DEFINE MORE POLICIES, PROCEDURES AND PROCESSES  
*- PEOPLE WILL ALWAYS FOLLOW RULES -*

FOCUS ON COMPLIANCY NOT ON SECURITY  
*COMPLIANCE ≠ SECURE*

USE NON-COMPLIANCES TO GET MORE BUDGET  
*- MORE PRESSURE INCREASES WILLING TO CORPORATE -*

WANTING TO CHANGE PEOPLE IN “HUMAN FIREWALLS”  
*- THE END USER IS THE KEY TO SUCCESS -*

BUY MORE “FLASHY” TOOLS AND SERVICES  
*- TOOLS PREVENT US FROM BEING HACKED -*



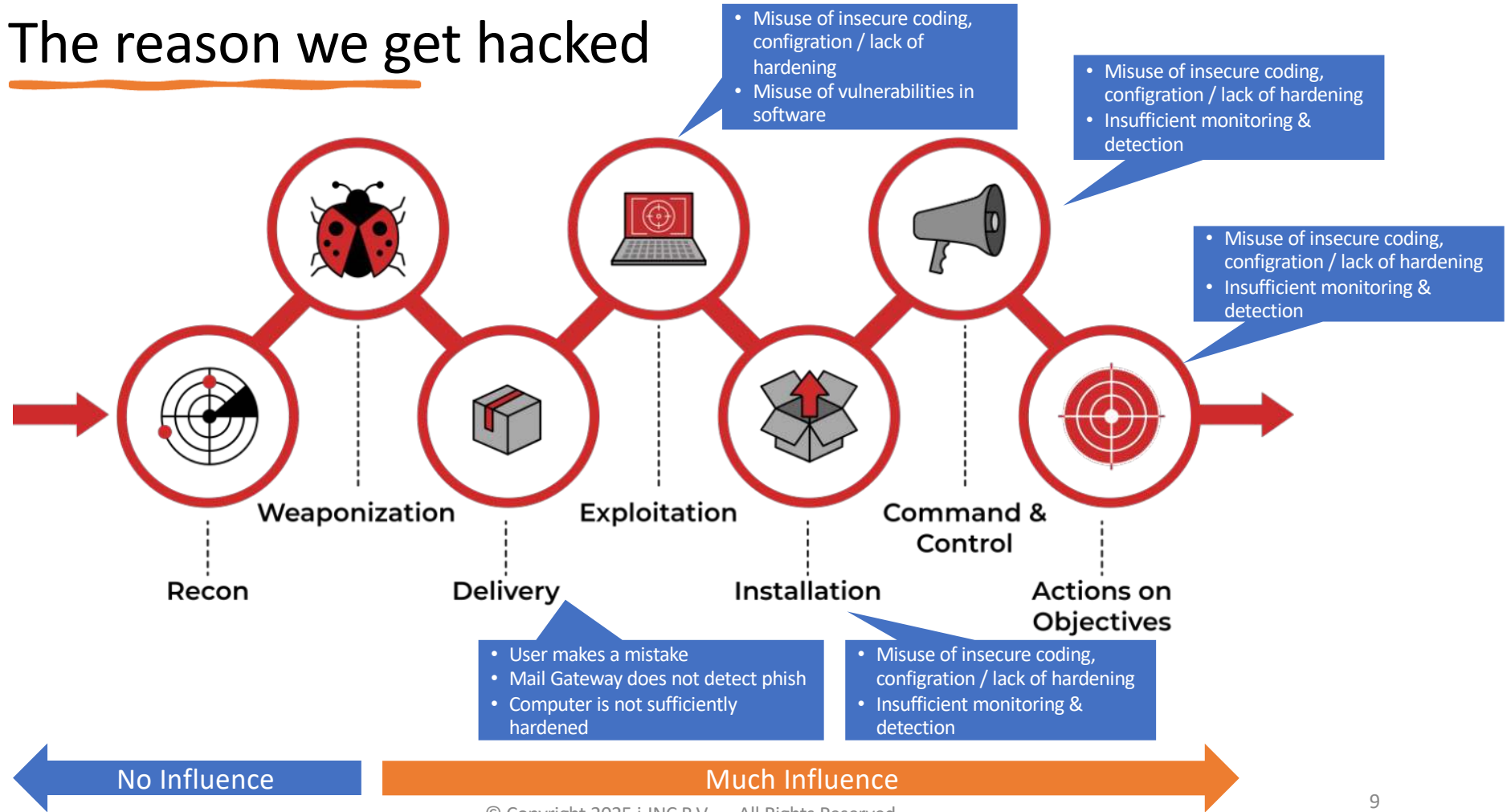
## The result?

- More security staff creates more work...for others to execute
- A security function that is a risk management-role (assessments, monitor progress and report), which is very inefficient
- More tools that people don't know or don't want to work with

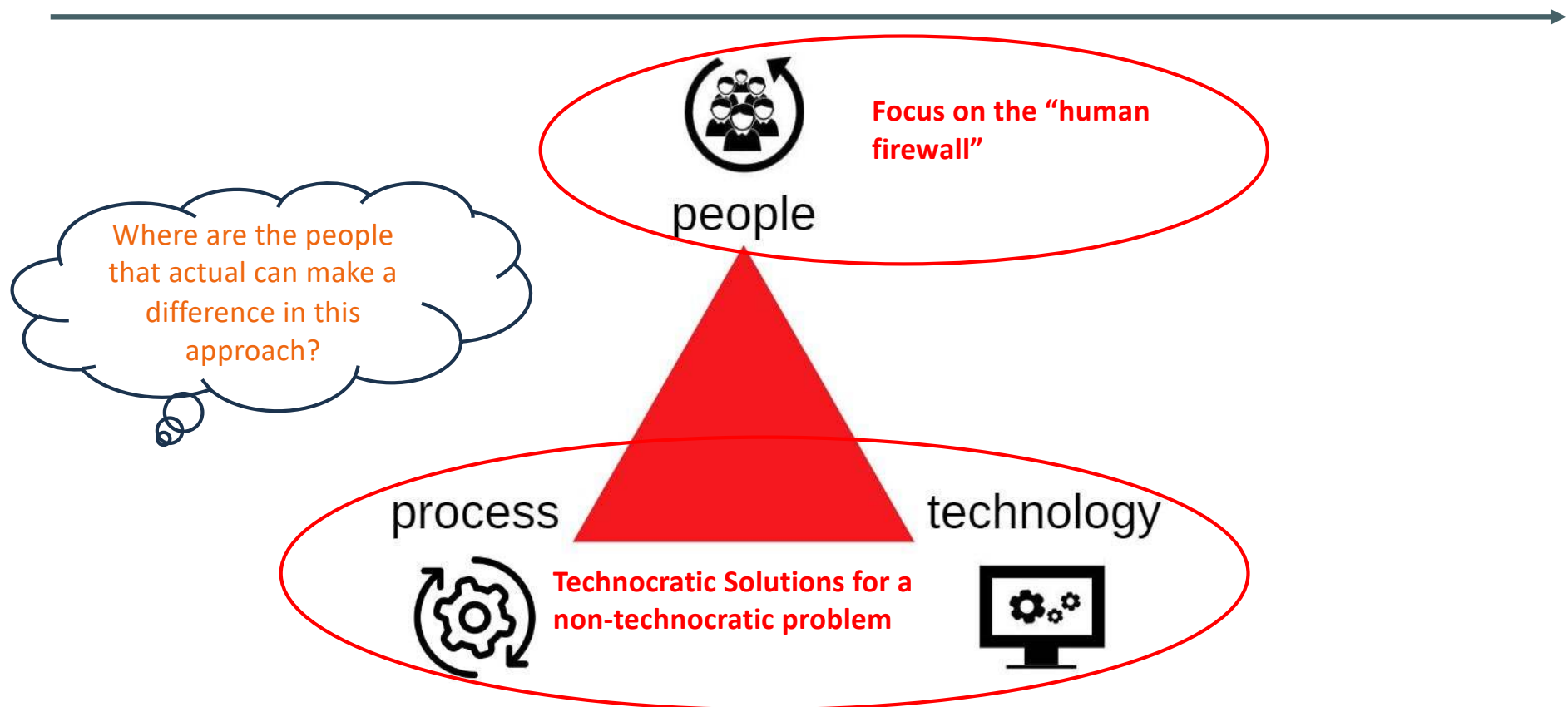
*And although we might be certified and compliant – we still get hacked*



# The reason we get hacked



# Main focus in Information Security



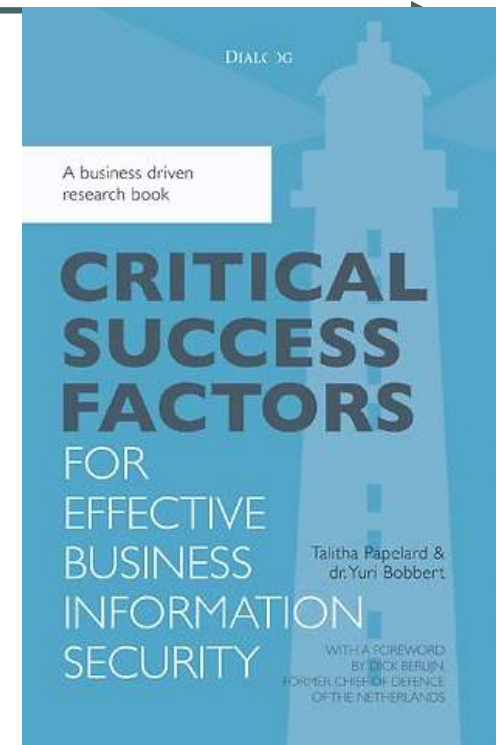
# What are the Main Critical Success factors for Digital Security?

- Management & Board Commitment
- Creating a Security Aware Culture
- The quality at the top (leadership)
- Cultivating lessons learned


Years have passed and we still see any significant change in the way digital security is led, managed, and/or implemented.

Human “error” is still the main cause of security incidents leading to e.g. data breaches and ransomware

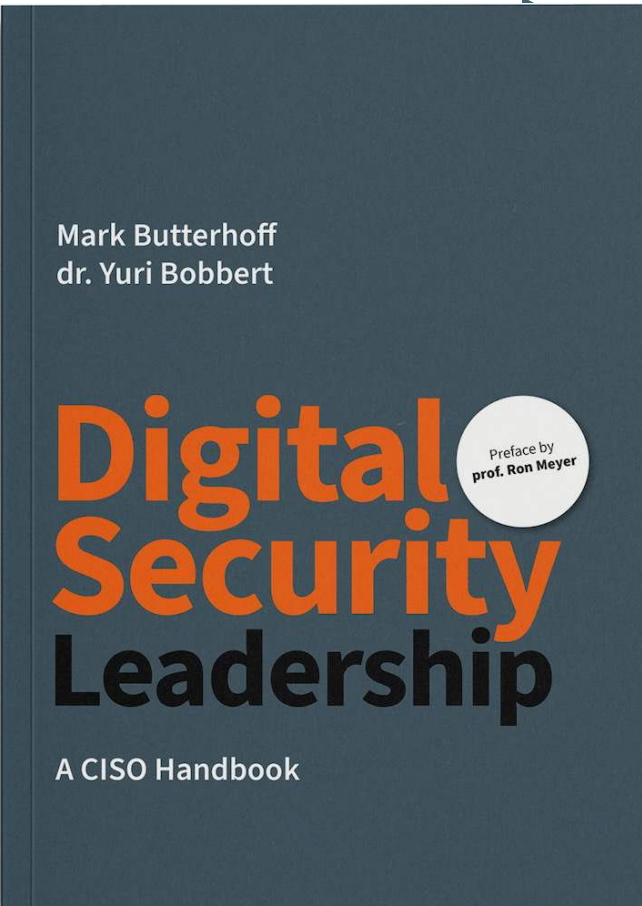
Budgets are still mainly focused on technology and services and not improving behavior and culture.....including the one of IT staff



# The Book

	<b>Leading</b> About the digital security leader and about how to lead the company through the cybersecurity challenges. Also, on how the CISO role emerges to a Chief Information Security Orchestrator balancing and leading multiple stakeholders
	<b>Strategizing</b> How to bring the security maturity from the current to the future state, considering the <i>technical, economical</i> and <i>political</i> aspects
	<b>Changing</b> Changing the people working in digital security and the people who need to act in a secure manner
	<b>Governing</b> Tangible practices and metrics to measure and govern your digital security as well as the way to work practically and proactively with your governance, including regulators
	<b>Funding</b> All change has financial consequences that stakeholders want to know about and understand. With economic models we bring more rational arguments, which enables more balanced decision-making and, in the end, more “bang for your buck.”
	<b>Trending</b> Possible digital security future in Trending, because as a wise man once said: “It’s not the strongest of the species that survives, nor the most intelligent that survives. It’s the one that is most adaptable to change”.

© Copyright 2025 i-INC B.V. All Rights Reserved







**Sneak Peek**

# Leadership



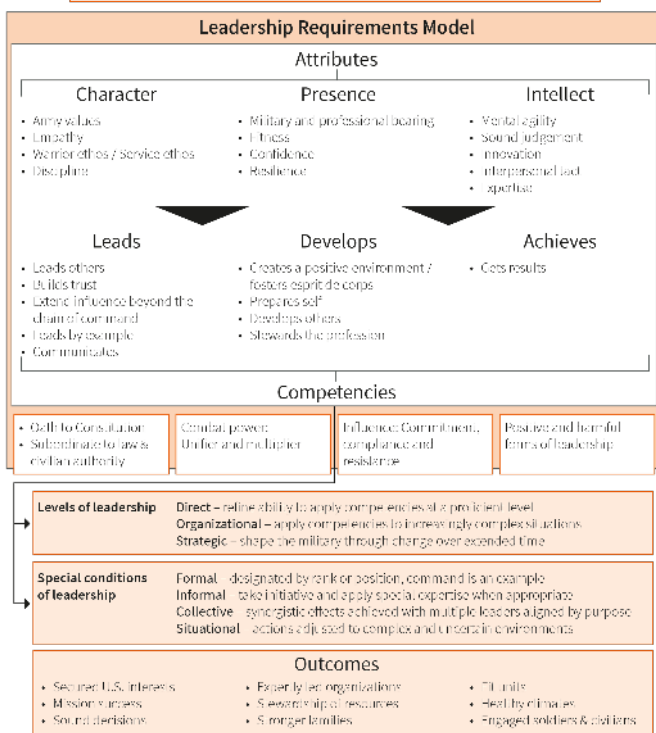
'The art of getting someone else to do something you want done because he wants to do it' (Dwight D. Eisenhower)

- **Other people**, which means that it's not about the leader in isolation, but about the interaction between leader and followers, not about what the leader does, but also how the followers react.'
- **Influencing**, which ranges from using formal powers, such as hire, fire, reward, reprimand and reassign, to informal powers such as the ability to convince, charm, inspire, support and challenge. Informal powers are usually more effective and more lasting than formal powers.
- **Is capable of** and willing to influence followers. leaders must be willing to take the responsibility of the leadership role and invest in winning authority among potential followers.
- **To move in a certain direction** and to realize objectives. It's not the goal to gain powers as an end in itself, but as a means toward achieving objectives. (Ron Meyer and Ronald Meijers)

# Leadership Requirements

The process of influencing people by providing purpose, direction and motivation to accomplish the mission and improve the organization.

The Leadership Requirements Model establishes what leaders need to be, know and do. A core set of requirements informs leaders about expectations.



Underlying logic of Army leadership (taken from ADRP 6.22, Army Leadership – August 2019, Headquarters, Department of the Army)

What is the organizational attitude towards cyber risk?	Level 1.0	Level 2.0	Level 3.0	Level 4.0
Cyber seen as an IT problem	✓			
Cyber seen as a broader problem than IT		✓	✓	✓
Cyber risks of third party suppliers evaluated	✓	✓	✓	✓
Cyber a reg. /or topic with the audit / risk committee	✓	✓	✓	✓
Organization open to testing, e.g. phishing and penetration testing	✓	✓	✓	✓
Organization open to cyber transformation programs		✓	✓	✓
Innovative approaches encouraged to staff education, e.g. videos		✓	✓	✓
HR engages with CISO, e.g. access controls, "Cyber insider" and change programs		✓	✓	✓
CISO uses risk metrics to engage business leaders		✓	✓	✓
CISO is consulted widely in the enterprise on cyber issues			✓	✓
CISO trains NLDs in cyber awareness			✓	✓
CISO regularly briefs the main board on cyber and info risk			✓	✓
CISO involved in confidential situations, e.g. M&A plans				✓
<b>Nature of internal relationships</b>	Transactional → Relational			
<b>Style of interactions</b>	Reactionary → Anticipatory			
<b>Compensation</b>	\$	\$\$	\$\$\$	\$\$\$\$
<b>At what level do you need your CISO to influence internally</b>	IT & operations level		Exec & board level	
<b>Leadership competencies required to operate at this level</b>				
Results orientation	High	High	High	High
Team leadership	High	High	High	High
Change orientation	Medium	Medium	High	High
Influencing and collaboration	Medium	Medium	High	High
Strategic capability	Low	Medium	Medium	High

'CISO leadership competencies required per level (Taken from the Russell Reynolds Capability Model).'



# CISO Team

I can do things you can't, you can do things I can't: together we can do great things



The A-Team

## Google's five-year study of highly productive teams



## Formula 1 vital aspects of a winning culture

- A no-blame philosophy
- The one-team mindset

Teams have several key traits:

- Share a clear, common goal
- Work at building trust
- Are willing to learn and collaborate
- Communicate openly and often.'



**Show them the way**

# Everybody has a strategy until they get punched in the mouth



## Digital Security Strategy ≠

- Implementation of ISO27001/2
- GAP analysis with recommendations
- Improvement Activities planned in a happy flow
- Etc

# Three perspectives of Strategy

## Technical

Having the right people, processes and technology

## Economical

Funding of Digital Security and showing value

## Political

Influencing internal and external stakeholders

- Internal: Staff, Management, Board
- External: Sector, Intelligence Agencies, Regulators, etc



*'Total Competition, Lessons in strategy from Formula One, Ross Brawn and Adam Parr, 2016'*

# I have a Dream



## Compelling vision

- “we need to comply to ISO27001 or COBIT” is not Compelling
- Why, How and What – Simon Sinek

If Apple were like everyone else, a marketing message from them might sound like this:

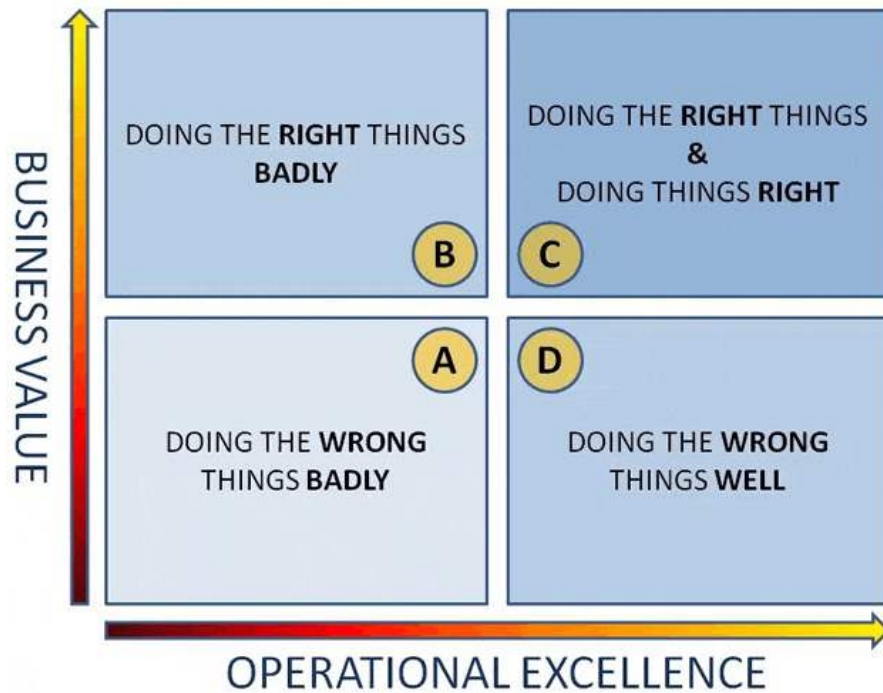
*“We make great computers. They’re beautifully designed, simple to use and user friendly. Want to buy one?”*

Then way Apple does it:

*“Everything we do, we believe in challenging the status quo. We believe in thinking differently. The way we challenge the status quo is by making our products beautifully designed, simple to use and user friendly. We just happen to make great computers. Want to buy one?”*



Security is a Change Program



---

Security is very dependent on IT staff *doing the right things right* every day

DISCIPLINE  
—EQUALS—  
FREEDOM

discipline

[dis-uh-plin] noun

---

*Discipline is the consistency of action*

*(also if you don't feel like doing it)*



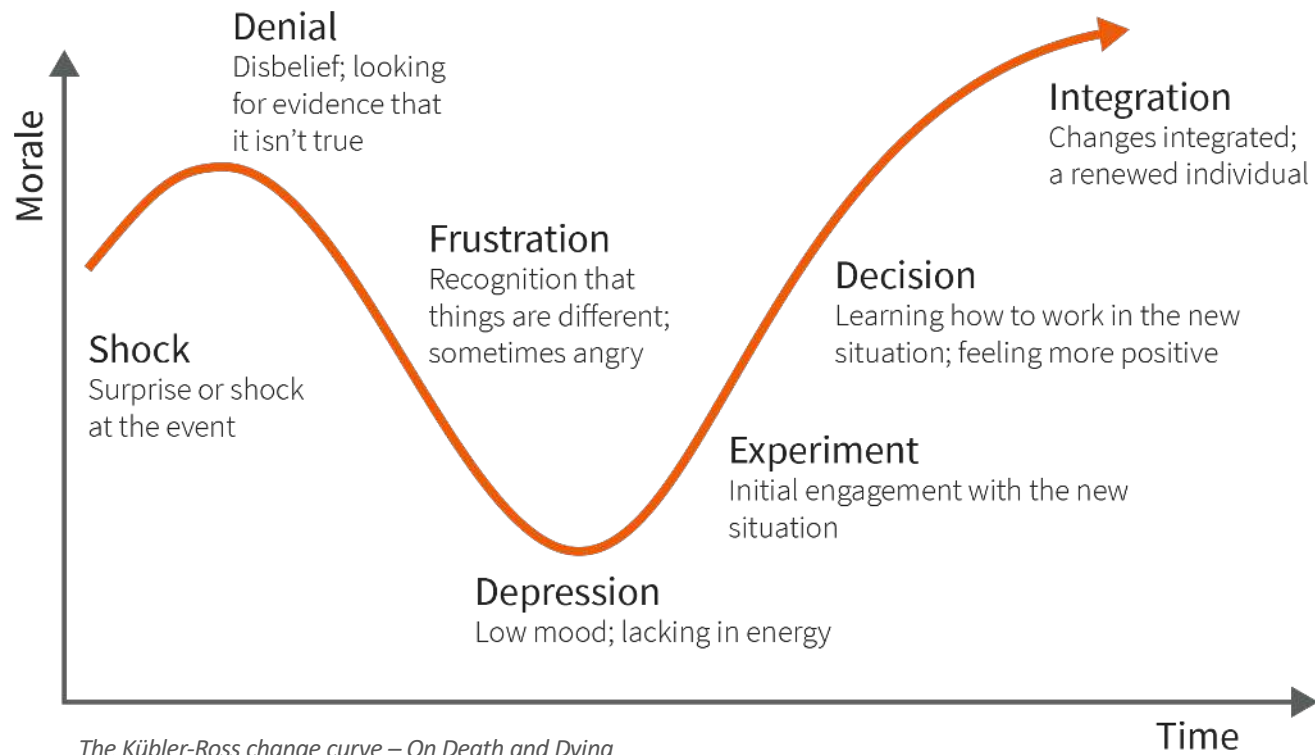
# Eight reasons why Digital Security Change fails



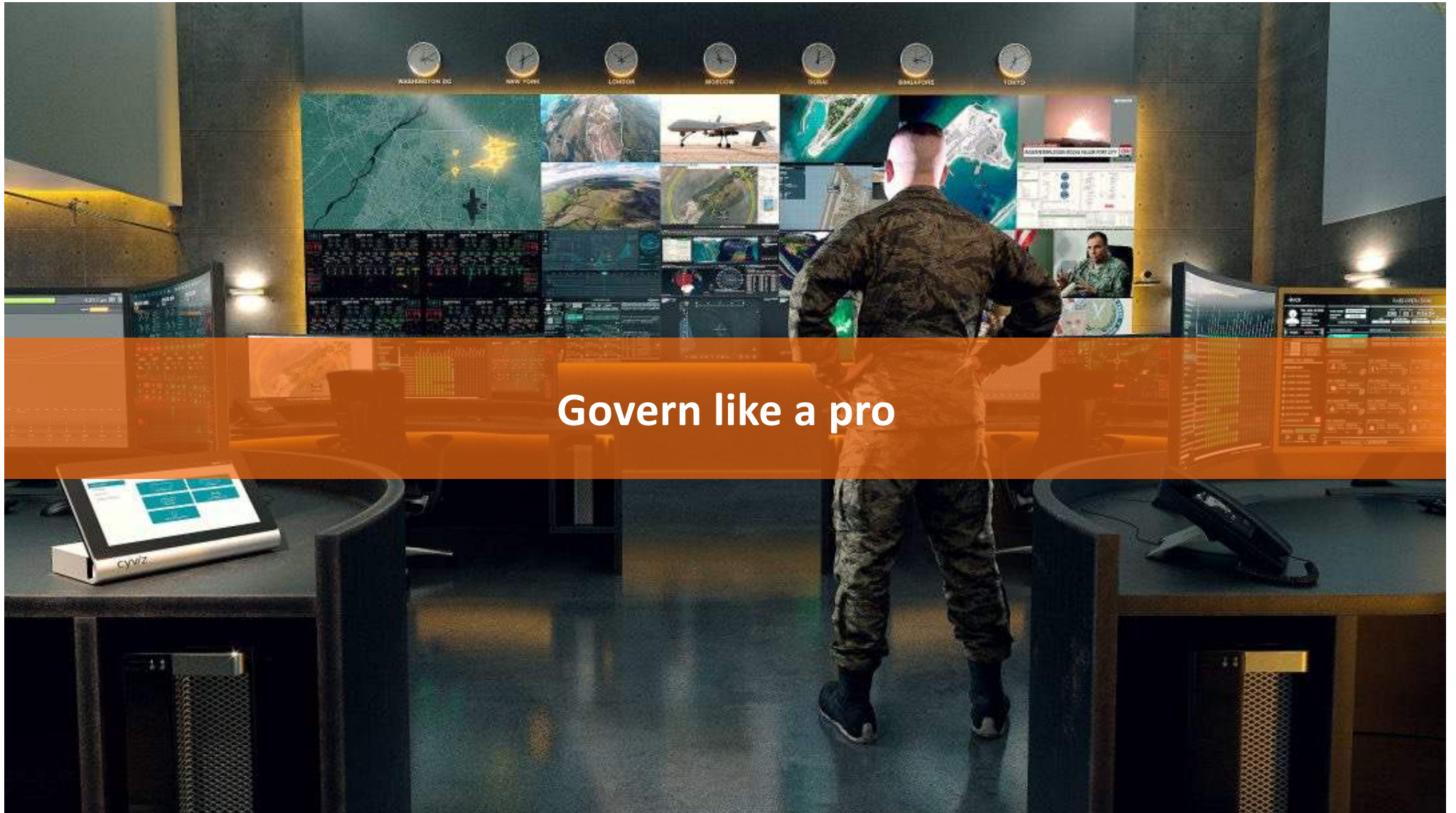
- Lacking a Sense of Urgency
- Lacking a Powerful Guiding Smart Coalition
- Lacking a Vision
- Under-communicating the Vision by a Factor of Ten
- Not Removing Obstacles to the New Vision
- Not Systematically Planning and Creating Short-Term Wins
- Declaring Victory too soon
- No Anchoring Changes in the Corporation's Culture

*Leading Change: Why transformation Efforts Fail, John P. Kotter, Harvard Business Review, 1994*

# The Change Curve

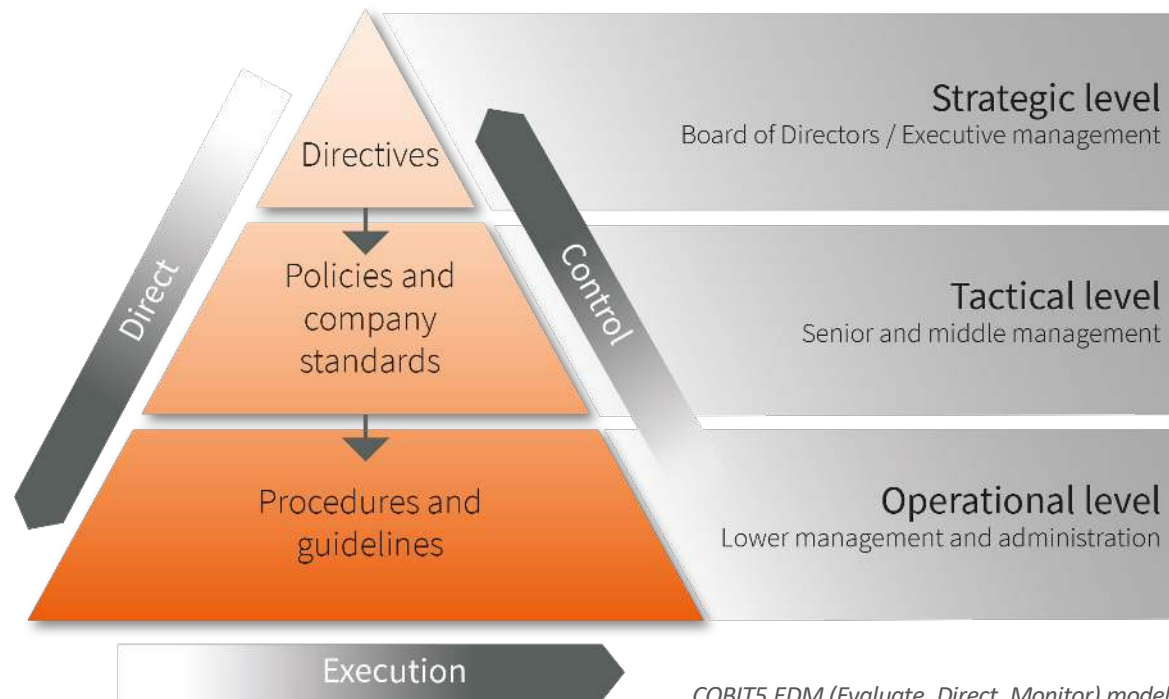


The Kübler-Ross change curve – On Death and Dying



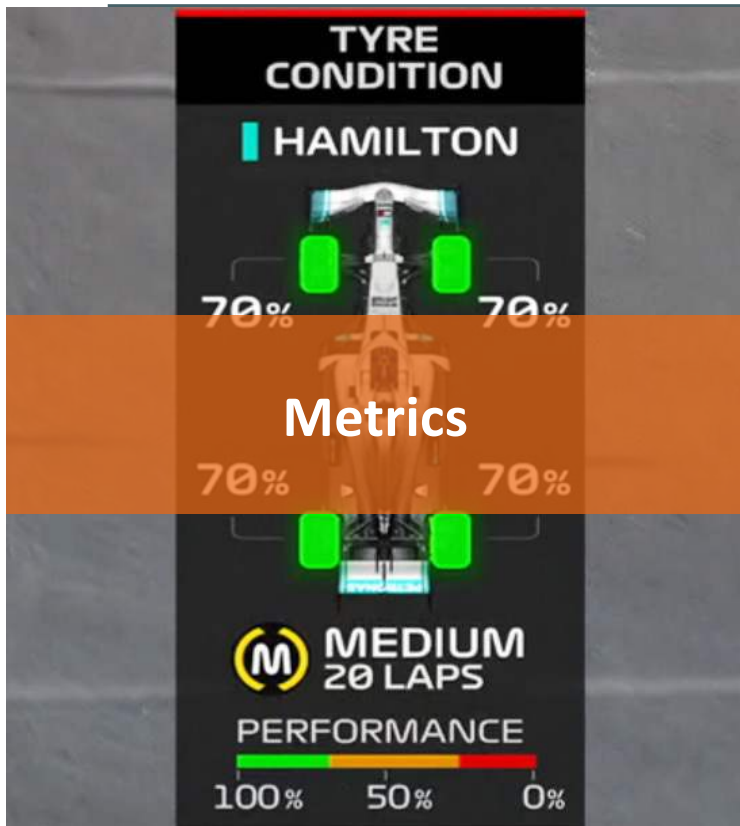
**Govern like a pro**

# COBIT



COBIT5 EDM (Evaluate, Direct, Monitor) model for defining processes (taken from ISACA)

# Measuring Digital Security



Measure digital security at three levels with metrics:

- Strategic Level (Board and Executive Management)
  - Overview realized vs planning improvements per period
  - Level of compliance with internal and external policies
  - Presence of a Security Organization
- Tactical Level (senior and middle management), e.g.
  - #security incidents, effectiveness of security controls, development of maturity level
  - Level of awareness at management level
  - Follow ups to previously set KPIs
- Operational Level (lower management and administration)
  - Level of awareness of security with operational personnel
  - Level of compliance with the security baseline
  - MTBF and MTTR as a result of security incidents

Note: This was an outcome of working with 38 security experts. Consider involving the Board, Business Management and end users for a different angle about what is important

# Governance vs. Regulation



- If you can't win, you have to make sure you don't lose. (Johan Cruijff)
- From explaining to telling: Take Ownership!
  - Show that you own what needs to be done
  - Have a plan and show progress
- Assurance reports and ISO27001/2 certificates  $\neq$  Being secure
  - Focussed on Financial Risk
  - Focussed on the ISMS, not the latest threats or in depth

# Questions

---



# Contact details

---

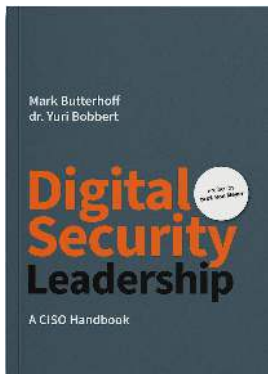
## Mark Butterhoff



Mark Butterhoff has gained experience over the last 20 years in various roles. He has a long history in one of the Big Four accounting firms, where he worked in information security, IT auditing, and management consulting. After that he worked for several years as program manager and interim manager restructuring and changing mainly IT organizations as well as a post as Interim Chief Information Security Officer. So far he has helped over 80 companies in 17 countries. Alongside his work he also teaches at the TIAS Business School in the Netherlands. Mark has completed studies in various topics, including Business Informatics and IT Auditing.

In 2016 he published a book entitled “Discover the IT Cherry,” which describes how to become the most valued IT organization by building trust and creating experiences instead of using the latest technology or implementing new processes. His experiences from work and the insights gained from writing this book were also the basis for writing this book. Solid technology and processes are massively important in cyber- security; however, they won’t help you win the war against this silent enemy. Just as in sports, the army, aviation, healthcare, etc., it’s mostly leadership and the people in your organization that make the difference.

[Mark@i-inc.nl](mailto:Mark@i-inc.nl)



**Find Out More & Order Here:**

<https://12ways.net/shop/>

