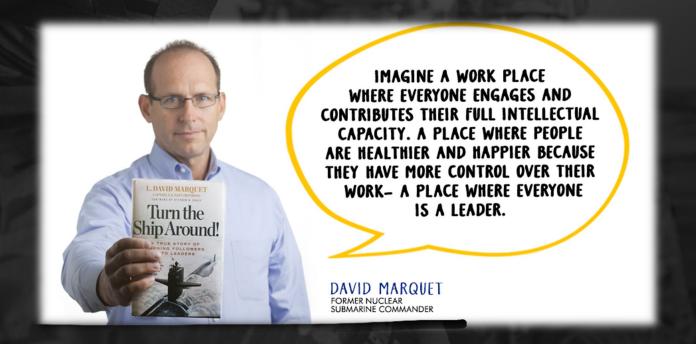Ministry of Defence

People-Process-Data-Tech Bridging the divide

17 October 2024

Synopsis:

There is often a focus on the data and technology as being the driver for success in a 'data driven culture', this session will look to posit the idea that it is the **people** and the process that are the most important driving factors.

What is your business outcome or need?

IMAGINE A WORK PLACE WHERE EVERYONE ENGAGES AND CONTRIBUTES THEIR FULL INTELLECTUAL CAPACITY. A PLACE WHERE PEOPLE ARE HEALTHIER AND HAPPIER BECAUSE THEY HAVE MORE CONTROL OVER THEIR WORK- A PLACE WHERE EVERYONE IS A LEADER.

DAVID MARQUET
FORMER NUCLEAR SUBMARINE COMMANDER

Scope:

Bridging the gap – my story

People-Process-Data-Tech (not as you know it!!!!)

The cross over…

UKAuthority AI & Data4Good

Morning Two: Thursday 17 October, 11:00-12:30, via Teams

Major George McCrea
Military Liaison
Defence Digital Foundry
Ministry of Defence

Register now at
ukauthority.com/events

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Army Code No. 71278

Military Engineering
Volume III
Bridging

Part 1
Basic Bridging
Incorporating Amendments 1 to 4

1981

Assessment level	Bridge calculation model	Data required	Type of reconnaissance
0	Exploitation of STATISTICAL correlations	Limited number of geometrical data, casually completed with heaviest observed vehicle	Quick or remote reconnaissance
1	Use of classification TABLES or CHARTS	Limited number of geometrical data, casually completed with heaviest observed vehicle	Quick or remote reconnaissance
2	BEAM bridge model (calculations)	Geometrical data and ASSUMED but CONSERVATIVE material properties	Quick reconnaissance
3	BEAM bridge model (calculations)	Geometrical data + allowed VEHICLES (correlation method). • 3a : ASSUMED design vehicle • 3b : heaviest OBSERVED vehicle • 3c : CONTRACTUAL design vehicle	Quick reconnaissance + • 3b : observation of actual traffic (even remotely) • 3c : CONTRACTUAL documents
4	BEAM or DETAILED bridge model (calculations)	Detailed but not enough RELIABLE data (some data are assumed or inaccurate)	Detailed reconnaissance LOW PRECISION measuring techniques on the bridge
5	BEAM or DETAILED bridge model (calculations)	Detailed and RELIABLE data	Detailed reconnaissance • 5a: HIGH PRECISION measuring techniques • 5b: reliable DRAWINGS and other contractual documents
6	BEAM or DETAILED bridge model (calculations)	Detailed and RELIABLE data adjusted to fit the MEASURED BRIDGE RESPONSE	Same as 5 + MEASURED natural frequencies or deflections due to well known vehicles
	Remark: Class 7 of reliability can also be replaced using some symbol to indicate that the assigned MLC includes ageing and damages		

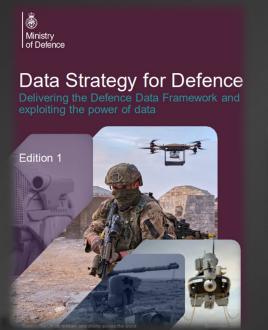Table 2 : Levels of reliability of military bridge assessment procedures

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computing Digital Technology Leaders Awards 2023

Ministry of Defence
Data Strategy for Defence
Delivering the Defence Data Framework and exploiting the power of data
Edition 1

THE STRATEGIC DEFENCE & SECURITY REVIEW 2020

Ministry of Defence
President Putin's possible Axis of Invasion

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