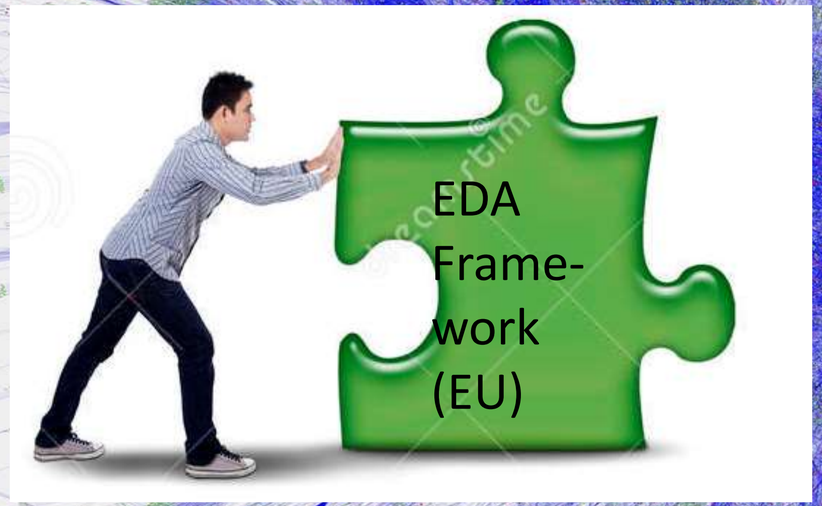
Unified Cyber Competence Framework (UCCF)





Approach to create a combined framework

Best of both worlds approach, using Dutch Cyber Cube Model

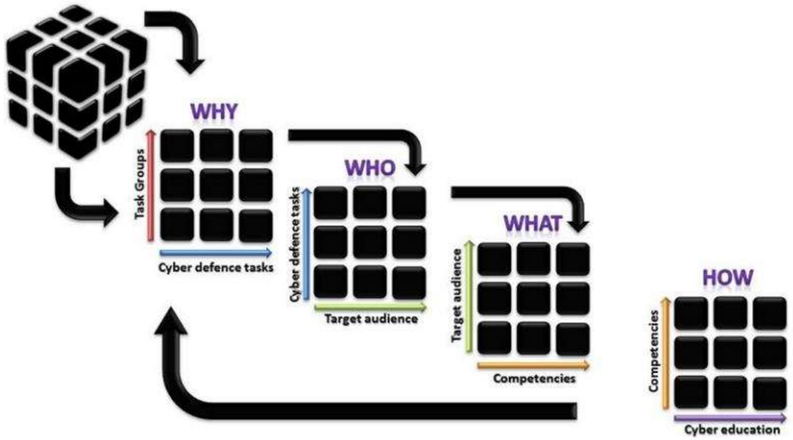
Source of Information

- EDA Landscaping study 2013
- NIST SP 800-181 NICE Cybersecurity Workforce 2 Framework (US)

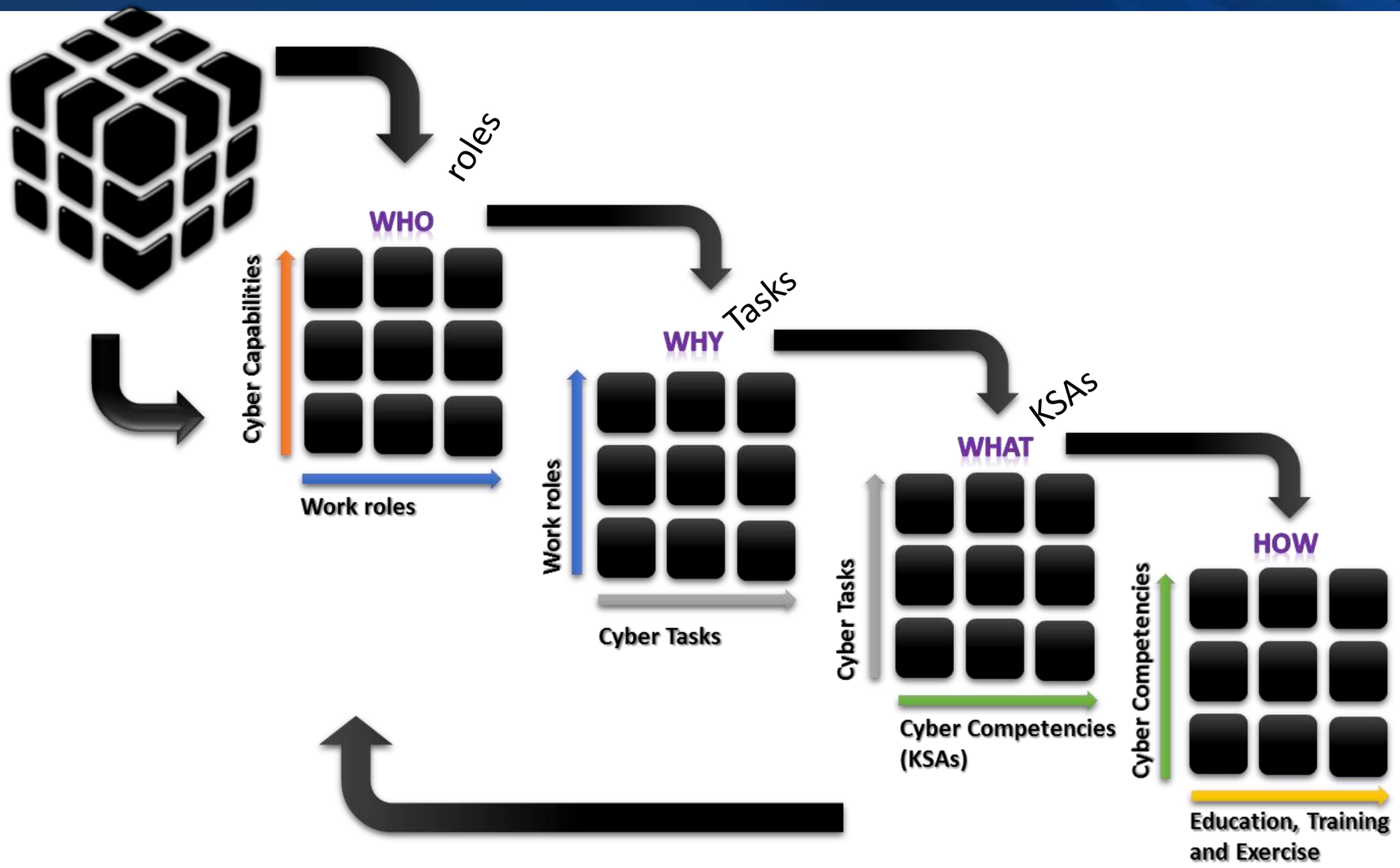
The Process

- All ~900 tasks from NCWF have been sorted into EDA HTL Groupings
- All ~1100 KSAs link to the TA;
- Grouping KSAs into competencies.





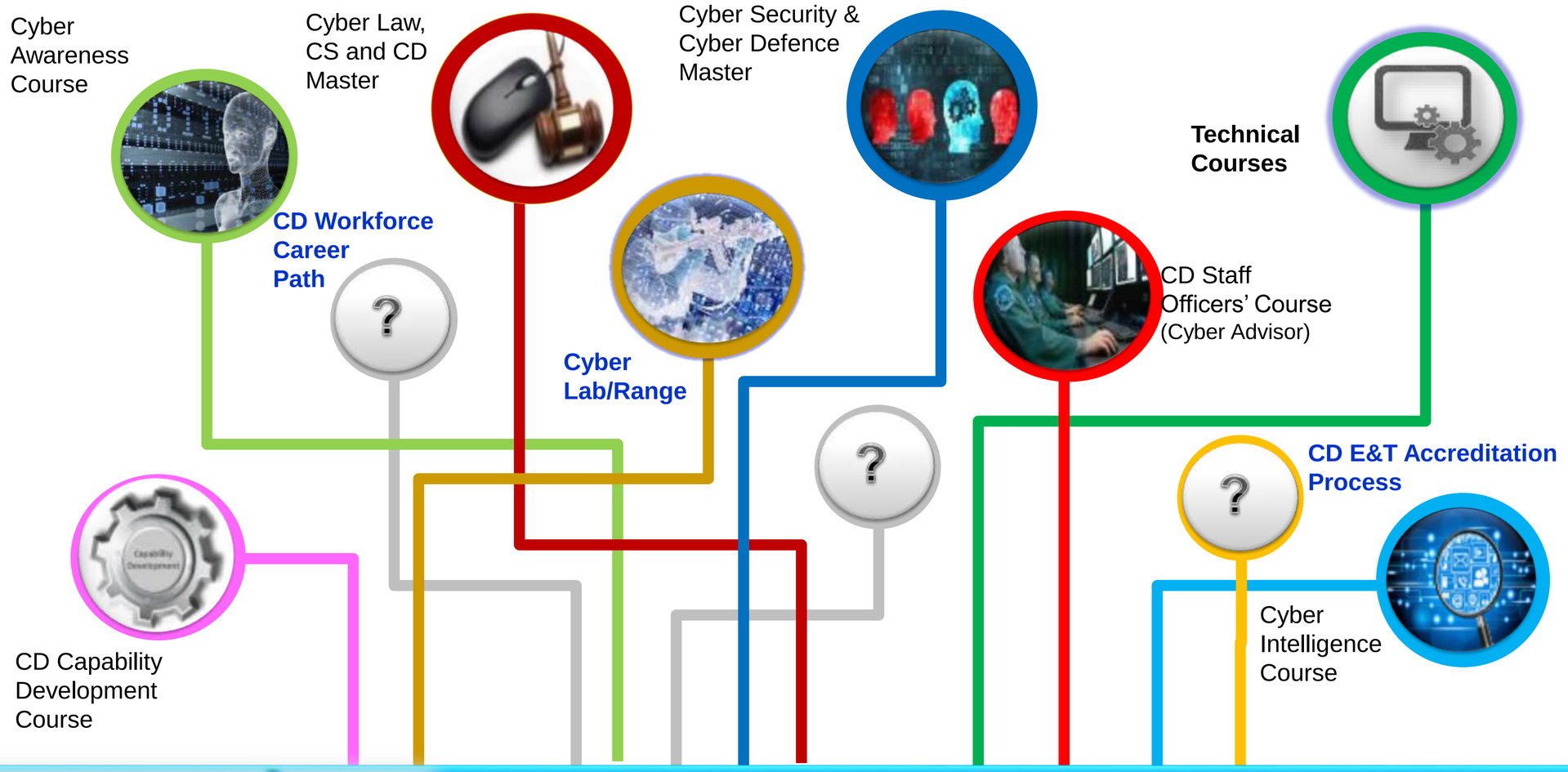
The Dutch Cube



CAREER PATH COMPETENCY FRAMEWORK

	BASIC	INTERMEDIATE	ADVANCED	EXPERT
ICT User	A1	A2	A3	A4
Leadership & Governance	A3 BCD1 BCE1 BDE1	A4 BCD2 BCE2 BDE2	BCD3 BDE3 BCE3 B3	B4
C4 practitioners	A3 BCD1 BCE1 CDE1	A4 BCD2 BCE2 C2	BCD3 BCE3 CDE3 C3	C4
Securely Provision	A3 BCD1 BDE1 CDE1	A4 BCD2 BDE2 D2	BCD3 BDE3 CDE3 D3	D4
Cyber Defence Specialist	A4 BCE1 BDE1 CDE1	BDE2 BCE2 E2	BCE3 BDE3 CDE3 E3	E4

MNCDE&T – New Initiatives



New Initiatives

EPR	Identification number	Course Title
Henrique/Sérgio		Information Security Management
Rui Silva/Sérgio		Crypto and COMSEC
Mark Frost/Ana Respício	0001CYB	Software and Applications Security
Mark Frost/Rui Silva/ J. Saarisilta	0002CYB	Digital Forensics
Sebastiaan/Vitor/Sergio	0003CYB	Social Engineering
Mark Frost/Rui Silva/ J. Saarisilta	0004CYB	Digital Crime and Investigation
Sofia Casimiro	0005CYB	Cyberspace and Cyber Operations Legal Framework
Rui Silva/Mark Frost	0006CYB	Penetration Testing and Ethical Hacking
Manuel Esteve	0007CYB	Cyber-Intelligence and Situational Awareness
Casimiro and Paulo Moniz	0008CYB	Protection of Critical Infrastructures and Systems
Mark /Paulo Nunes	0011CYB	Cybersecurity and Cyberdefense capability Development
Mark Frost	0012CYB	Cyberspace Crisis Management Exercises and Scenarios Development
Ana Respício/Mark Frost	0013CYB	Risk and Incident Management
Paulo Nunes	0014CYB	Information Warfare
Paulo Nunes/Mark Frost/Rocco	0015CYB	Cyber Operations Planning
Mark Frost/Sebastiaan	0016CYB	Digital Leadership and Team Management
Paulo Nunes/Mark Frost/Rocco	A0735	Cyber Defence Operations & Planning
Carlos Simões/Kay Mrosk	A0730	NATO Cyber Defence Advisor