Defence and Security Accelerator

Innovation for a Safer Future

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Army Partner

Defence and Security Accelerator

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DASA INNOVATION FOR A SAFER FUTURE

Our Mission

The Defence and Security Accelerator (DASA) finds and funds exploitable innovation to support UK defence and security quickly and effectively, and support UK prosperity.

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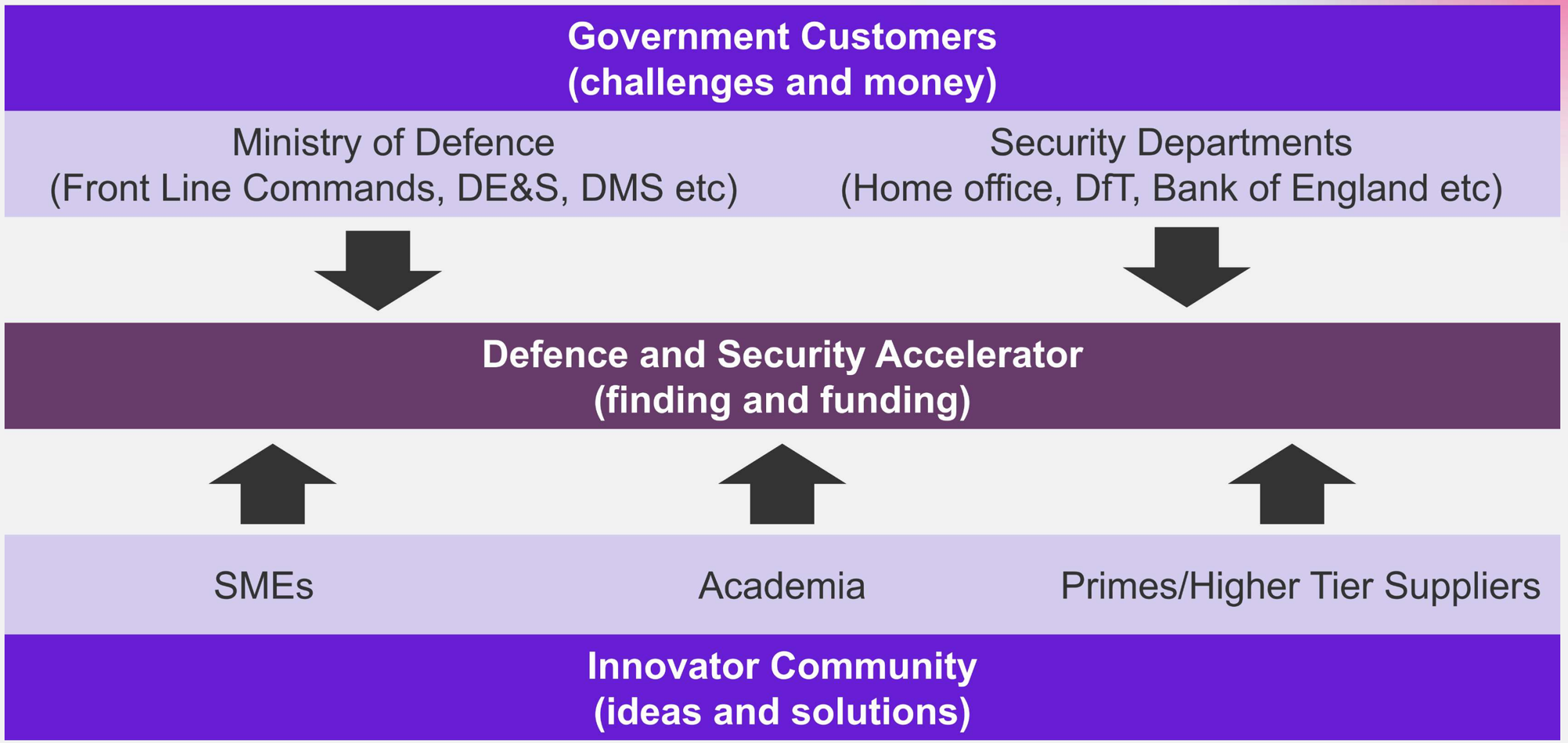
How we work



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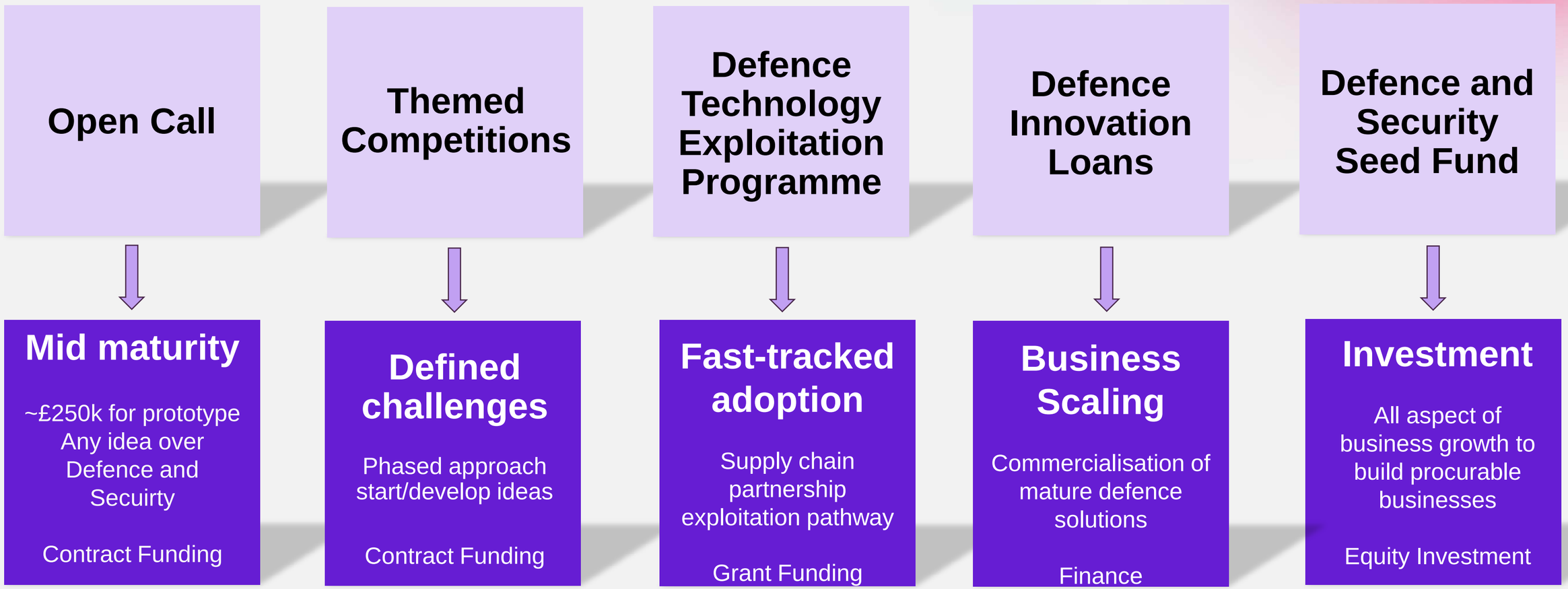
Funding Innovation



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DASA Army Cross - Over

ARMY FUTURES

Alignment against Priorities

- Army Command Plan
- Land Operating Concept
- Land Industrial Strategy

Army money into DASA Services

- Open Call - ~ £2m
- Themed Competitions - ~ £5m
- Defence and Security Seed Find - ~ £5m

Army Assessors

- Innovation Outlines
- Proposals
- Technical Support

Exploitation Opportunities

- Army Warfighting Experiment
- Human Machine Teaming Framework
- Experimentation Trials Group

Raise Awareness

- Defence Battlelab – In Reach
- Innovation Champions Network
- Comms & Engagement Team

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Current Themed Competitions

Contemporary Deception for the British Army

What we are looking for:

- Proposals that can identify and develop new (novel) deception technologies that could be utilised by the British Army to gain operational advantage and to aid the survivability of deployed UK Land Forces
- £900,000 available
- Project duration: 5 months
- **Deadline: Tuesday 9 July 2024**

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Contact us

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Defence and Security Accelerator

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ARMY FUTURES

SETTING THE AIMING MARK. DRIVING CHANGE.

Army Futures is an engine for research, experimentation and innovation, that sets the aiming point and drives change. We plot the path from where the Army is now, to where it needs to be next – and tomorrow.

ARMY

FUTURES What do we do?

Experimentation and Trials Group

ETG HQ
(Warminster)

2 RYORKS c250+
(Warminster)

The Army Trials Unit
(HQ Warminster & Bovington)

MCC
(Bovington)

DCC
(Warminster)

UAS
(Warminster)

Jt Effects
(Larkhill)

MilEng
(Minley)

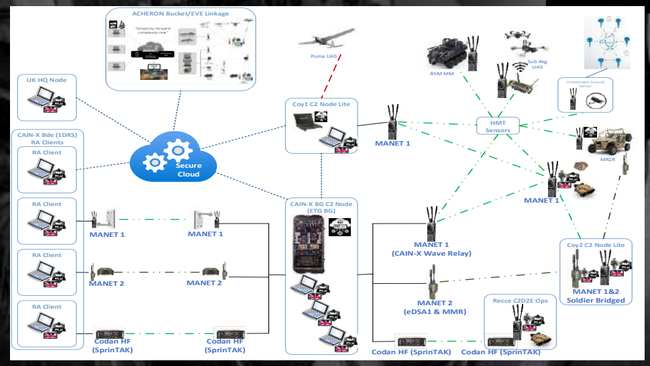
CSS
(Aldershot)

CISTDU
(Blandford)

BATTLELAB

34 Bty
(Larkhill)

744 Naval Air Squadron
(Waddington & Boscombe Down)



The ETG does not deliver trials on Crewed Avn, C-CBRN, Med or Info Ops but integrates them where required

What does the ETG do and for who?

Trials

D Progs

Protecting the Licence to operate

A 'trial' is one observation of the experimental unit using the modified or new capability (the treatment) within the experimentation activity. The data collected from the trial is tested to assess whether the treatment has an effect. (Defence Exp Handbook)

AJAX
MIV
Archer

Trial Type	Output
Safety Trial	Safety Case update
Update Trial	Doctrine/ TTP update
System Acceptance	Acceptance in service
Down Selection	CADMID evidence
User Acceptance	Acceptance in service

Experimentation

D Futures

Designed to test, as far as practicable, the effectiveness of a given idea, concept or capability such that it may be considered viable enough to inform Force Development decisions. (DFDB, October 2019)

AWE
HMT
PC C4
VELOCITY

Experiment Type	Output
Manipulation Experiment	Experiment report
Observation Experiment	Experiment report
Live Experiment	Tactical Doctrine
Virtual Experiment	Experiment report
Tactical Experiment	Experiment report

Inform

Army and Defence Senior Leaders

DSEI/DVD
VIRTUO
LCPV

Development

DLW/COS Fd Army

Transforming at the pace of relevance

Support Pj LEWES
sUAS TTPs
Cap CB engagement
CR2 Ladders
HMTV Windshields

- Being able to adapt at the pace of the changes we face and expect to face – that is, to be 'agile'
- **CAPDEV:** Bridges the gap between existing and future capabilities.
- **WARDEV**: Doctrine, training, education, assured knowledge, interoperability, innovation and experimentation
- **CONDEV:** Define Defence problems, determine possible solutions that guide how forces will operate
- **Policy/ Regulation Development:** Work with regulators and others to develop policy for new equipment.

ETG focus areas

Loitering Munitions
- Highly portable
- Multi-spectral sensors
- Configurable payload
- Convergence with UAS

Organic armed-ISR
- Swarms of attritable UAV
- Lethal and non-lethal payloads
- Optimised for urban operations

Multi-spectral Deception
- Duplicate Platforms
- Multispectral Smoke dispensers
- Next Gen Camouflage & concealment
- Electronic spoofing capabilities

Organic Indirect Fires
- 120mm Mortar
- Precision Munitions
- Novel Payloads

Change to current
BG and Coy capabilities

Automated EW Arrays
- Electronic Surveillance
- Electronic Attack
- Software-defined ECM

Resilient Logistics
- Dispersed multi route supply
- Predictive Sustainment
- UAS Resupply (<300kg)
- UGS mules

Anti-Tank Weapons
- Re-loadable
- Long-range precision
- Radar-Homing seeker

Air & Missile Defence
- Counter Small UAS
- SHORAD
- Kinetic (missile & gun)
- Non-Kinetic (DEW)
- Counter Rocket & Mortar

Unattended Ground Sensors
- Perch & Stare / Listen
- Novel Explosive Barriers

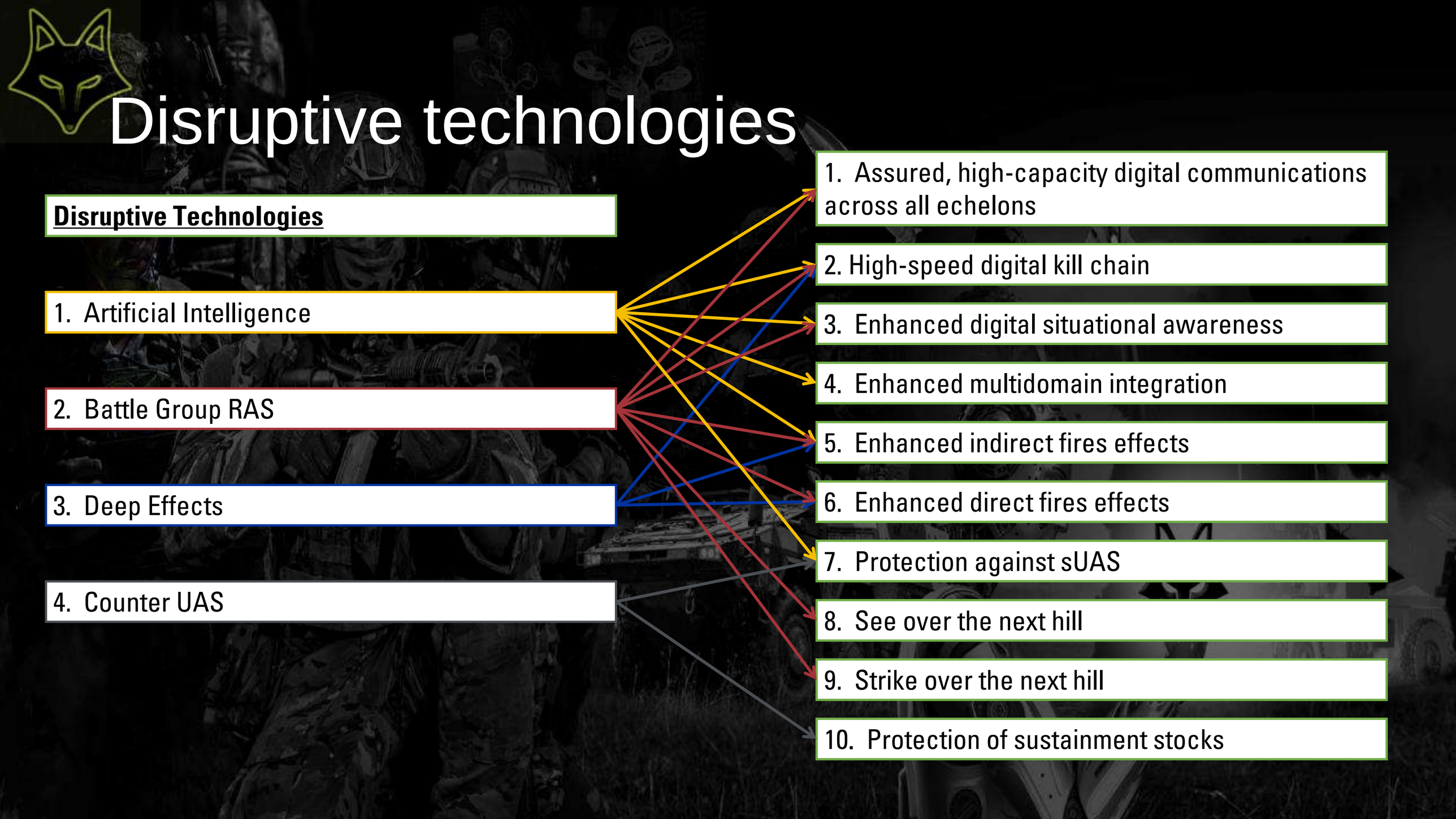
Uncrewed Lethality & Mobility
- Amphibious / Riverine
- Obstacle breaching

Official - Sensitive

Disruptive technologies

Disruptive Technologies

1. Artificial Intelligence
2. Battle Group RAS
3. Deep Effects
4. Counter UAS



1. Assured, high-capacity digital communications across all echelons
2. High-speed digital kill chain
3. Enhanced digital situational awareness
4. Enhanced multidomain integration
5. Enhanced indirect fires effects
6. Enhanced direct fires effects
7. Protection against sUAS
8. See over the next hill
9. Strike over the next hill
10. Protection of sustainment stocks

QUESTIONS?