



Defence and Security  
Accelerator

# Introduction to DASA

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Find and fund exploitable innovation to support UK defence and security quickly and effectively.

Support UK prosperity.

# TRL 2 to 6/7

TRL	MOD definition
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1	Basic principles observed and reported
2	Technology concept and/or application formulated
3	Analytical and experimental critical function and/or characteristic proof of concept
4	Technology basic validation in a laboratory environment
5	Technology basic validation in a relevant environment
6	Technology model or prototype demonstration in a relevant environment
7	Technology prototype demonstration in an operational environment
8	Actual technology completed and qualified through test and demonstration
9	Actual technology qualified through successful mission operations

# Key facts December 2016 to September 2019

- 2331 applications
- 1023 different organisations
- SMEs 60%, Academia 21%, Large 19%
- 505 projects funded (£76.3M)
- 40% of Suppliers are new to Defence and Security
- **214 Scottish proposals, 11 pre-sifted, 30 in assessment, 31 Funded, £4M (~18%)**



# Core services



# Access to mentoring and finance service

## New DASA service

- work with suppliers to understand the business **needs** and their **aspirations**
- create and deliver a **smart brokerage** into the extensive business incubation and support infrastructure
- support suppliers to **understand** and **access** funders and investors



# Why work with us?

- anyone can apply
- no partners required
- 100% funding
- Intellectual Property stays with you
- simple process and assessment
- rapid contracting – check the Ts and Cs!

# Advanced vision for 2020 and beyond

- £1.25M, 9-months (<£150K) / 2-years (<£200K), TRL 1 to 4
- three Challenges
  - novel optics and materials
  - novel sensors
  - embedded processing
- closes 13 December



# Don't blow it Phase 2

- £1.5M, <3 projects, 12-months, TRL 3 to 6
- joint funding MOD/DOD
- three Challenges
  - how to gain access
  - how to disable
  - how to destroy
- closes 06 January 2020

# A joint effort Phase 2

- £500K, 9- to 24-months, <£190K, TRL 2 to 5
- four Challenges
  - integration of composites
  - adhesives for structural joining
  - joining high temperature structures
  - improving armour systems
- closes 31 January 2020

# Open Call Competition Emerging Innovations

- TRL 2 → TRL 3/4
- typically 3 to 10 months
- typically <£100K

# Open Call Competition

## Rapid Impact Innovation

- TRL 4+
- strong customer pull
- impact within 3 years
- typically <£350K

# Innovation Focus Areas - Defence

- novel radar
- regenerative medicine for the Front Line

# Innovation Focus Areas - Security

- finding threats on passengers during airport screening
- improving aviation cargo screening speed
- assistive technology for rail staff
- screening train carriages
- less lethal weapons
- chemical and explosive precursors
- innovative security features for bank notes

# Market Explorations

- remote handling and manipulation of explosives

# Assessment

- desirable
- feasible
- viable



# Get in touch



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