



Defence and Security
Accelerator

Mobile Evidential Drug Testing Instrument (MEDTI) Demonstrator

Tuesday 5th March 2024

DASA INNOVATION
FOR A
SAFER
FUTURE



Mobile Evidential Drug Testing Instrument (MEDTI) Demonstrator



Themed Competition



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Welcome & Housekeeping

Elaina Ifill

DASA Delivery Manager



Housekeeping

- Welcome to today's Briefing and Q&A for the new DASA competition: **Mobile Evidential Drug Testing Instrument (MEDTI) Demonstrator**
- Please note your camera and microphone will be kept off.
- The slides and a summary of the questions and answers will be uploaded afterwards to the DASA gov.uk website.
- Discussions will remain at **OFFICIAL**.
- Q&A session will take place after via Slido. To access, go to the website www.sli.do (on a separate tab or device) and enter the code **#DASACOMP**.
- If you are having any technical issues, please use the chat function in Teams and direct message **Nick Deacon**.



Slido Question Page



Please submit or upvote any questions via slido



Scan above, or go to the website sli.do and enter the code **#DASACOMP**

Agenda

| Time | Section title | Speaker (if required) |
|---------------|---|--|
| 10:00 – 10:05 | Welcome, Housekeeping, Introduction | Elaina Ifill - Delivery Manager, DASA |
| 10:05 – 10:15 | Introduction to DASA | Clare Green - Innovation Partner, DASA |
| 10:15 – 10:45 | Mobile Evidential Drug Testing Instrument (MEDTI) Demonstrator Competition Background and Details | David Snelling – Policy Team Leader, Roads Policing Team, DfT. |
| 10:45 - 10:55 | 10 minutes Break - opportunity to submit questions via Sli.do website, code #DASACOMP | |
| 10:55 - 11:40 | Question & Answer Session | Competition Team - DASA & DfT |
| 11:40 - 11:45 | Wrap Up | Elaina Ifill - Delivery Manager, DASA |

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Introduction to DASA

Clare Green

DASA Innovation Partner



DASA 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.

Why work with DASA

DASA is set up to accelerate ideas towards impact and help businesses succeed.

- Innovation Partners provide advice and guidance
- Intellectual property stays with the innovator
- Quick, simple contracting process
- Project Manager and Technical Partners to support project delivery
- Post-funding support to help pull ideas through to impact
- 100% funding through Open Call and Themed Competitions

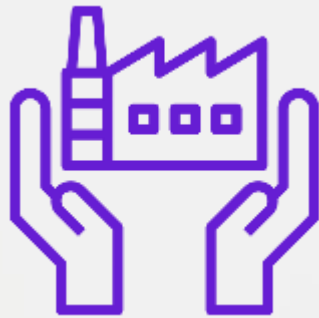


Why do Innovators work with us?



1 in 5

Proposals funded



57%

of contracts are
awarded to SMEs



£50k-£350k

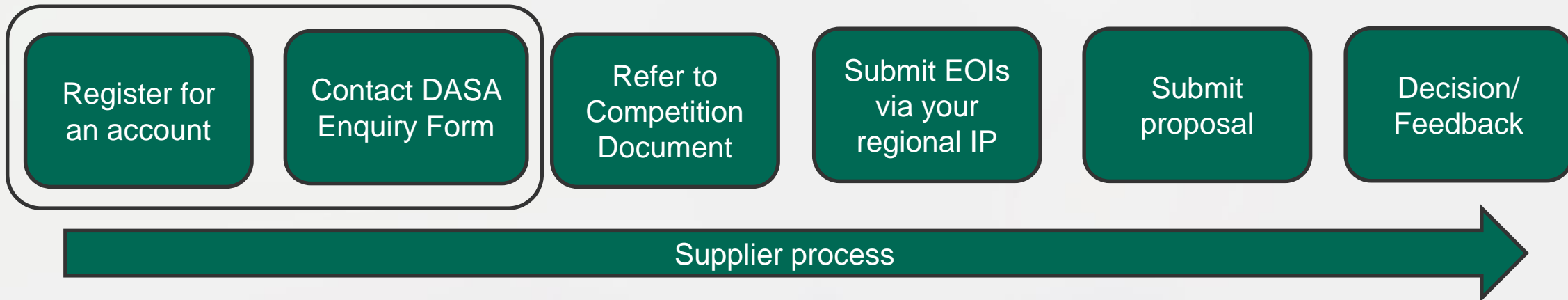
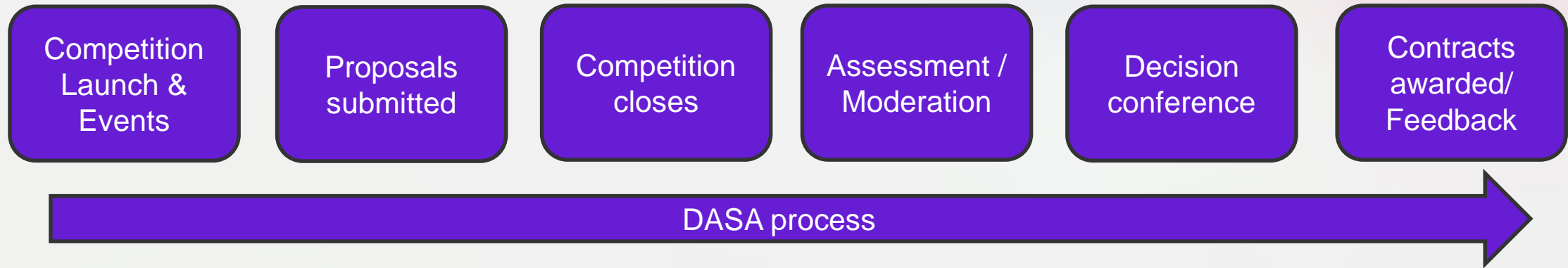
Typical funding range

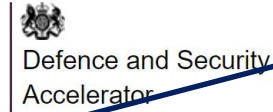


Up to **4x**

Follow on
investment

High level process





Part of [Ministry of Defence](#)

- Login/Register for an account
- Ideas Marketplace
- Apply for Funding
- Market Exploration
- Defence Technology Exploitation Programme (DTEP)
- Defence Innovation Loans
- Innovation Case Studies
- Get in touch with DASA

Featured



18 December 2023 — Case study [Flare Bright continues to fly high](#)

Following initial funding from the Defence And Security Accelerator (DASA) to help get it off the ground,



12 December 2023 — News story [£1.5 million competition seeks innovations to remotely monitor sensitive sites](#)

The Nuclear Decommissioning



5 December 2023 — News story [DASA launches new £1.6 million competition to get missiles talking](#)

DASA has launched a new Themed Competition to identify and develop

We recommend you use a **Google Chrome browser** when accessing the service

Log in, or register for an Enterprise Collaboration Service (ECS) account

All current calls, competition documents and dates, including the 'pipeline'

Contact an Innovation Partner and DASA Help Desk

DASA Homepage

Meet the team



Andrew Peaty
West Midlands



Jas Shanker
East Midlands



Clare Green
Yorkshire &
Humber



Jonathan
Jones
North West



Anna Taylor
North East



Mike Madden
South West



Mark Heliker
South East



Ralph Wilkins
London



Vicki Savage
East of England



Tom Adamson
Wales



Deb Carr
Scotland



Linda Galloway
International

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Competition Background and Details

David Snelling

Policy Team Leader, Roads Policing
Team, Department for Transport



Government Strategy I

- The issue of combatting drug driving has Ministerial focus.
- The Government strategy relies on harsh penalties and effective enforcement.
- The Government has taken a “zero tolerance approach to 8 drugs most associated with illegal use, with limits set at a level where any claims of accidental exposure can be ruled out”.

Government Strategy II

- There is pressure on forensic marketplace
- Roadside testing to an evidential standard will both enable more effective enforcement and act as a deterrent to persistent drug drive offenders.

Competition Challenge 1: Roadside Test and Confirm

The aspiration is to create a roadside test which would require a relatively small, ideally handheld, robust device capable of operating under roadside conditions.

Aspects to consider when developing a proposal in response to Challenge 1 include:

- the need to provide a relatively quick process; the ideal would be in the region of 10 minutes.
- the need to be mindful of road safety and roadside conditions which can be extreme due to weather conditions
- the need to consider the hostile nature of road stop and police operational parameters.
- the need to meet testing and systems requirements
- the need to gather the test sample and confirm result 100% at the roadside.
- the need to consider economic costs and affordability to enable devices to be rolled out to front line police officers. The maximum cost of a fully commercialised device would need to be below £2000.

Competition Challenge 2: Station Based Evidential System

Innovations that achieve results from a combination of a roadside screen test with further confirmation at the police station. The aspiration is to create a roadside test which would require a relatively small robust device capable of operating under roadside conditions to provide indication of drug result.

Aspects to consider when developing a proposal in response to Challenge 2 include:

- the need to provide a relatively quick process
- the need to be mindful of road safety and roadside conditions which can be extreme due to weather conditions
- the need to consider the hostile nature of road stop and police operational parameters.
- the need to meet testing and systems requirements
- the need to gather the test sample and achieve an indicator of result at the roadside and gain further confirmation using a police station located device.
- the police station device which will not need the same environmental and robustness requirements compared to roadside.
- the need to consider economic costs and affordability (i.e, under £2000) to enable devices to be rolled out to front line police officers.

Key Information

Funding Available

The total possible funding available for this competition is **£1 million** (excluding VAT).

We are expecting to fund multiple proposals under this competition.

Proposals should **not exceed £350,000** in value or **6 months** duration.

Submission deadline

12:00 Midday on 16th April 2024 (BST)

Where do I submit my proposal?

Via the [DASA Online Submission Service](#) for which you will require an account, that needs to be created beforehand. Only proposals submitted through the DASA Online Submission Service will be accepted.

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10 Minute break

Submit questions on [sli.do](#) and enter the code **#DASACOMP**



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Question & Answer Session



Closing Remarks

- Thank you for attending this Q&A event
- The slides from today's event along with a summary of questions and answers will be uploaded to the competition page on the gov.uk website in the coming days.
- We also invite you to book a 1-2-1 session with the DfT customer team if you have any further questions you would like to ask.
- Additional PM slots are available on:
 - 1-2-1 Session **Thursday 7th March 2024**
- The link to these sessions can be found on the competition page on Gov.uk



Contact us



www.gov.uk/DASA



@DASAccelerator



accelerator@dstl.gov.uk



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01980 950000 option 3

Thank you for attending

**We look forward to receiving your submissions
by 12:00 hrs (BST) on Tuesday 16th April 2024.**