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**Shoe Screening Trials**



**Industry Briefing**

**Purpose**

The Joint Security and Resilience Centre (JSaRC), on behalf of the Future Aviation Security Solutions (FASS) programme – a joint initiative by the Home Office and Department for Transport - is conducting a market engagement to find mature shoe screening solutions. These must be capable of physical demonstration in a representative environment.

**Your point of contact for any queries is:** [JSaRC@homeoffice.gsi.gov.uk](mailto:JSaRC@homeoffice.gsi.gov.uk)

**About JSaRC**

JSaRC was launched in 2016 to respond to both urgent and medium term threats to UK national security by working in partnership with the security industry.  Formed jointly with industry and under the auspices of the Home Office, JSaRC has been established as a gateway for the UK security sector to respond to Government challenges and is one of Government’s primary means of coordinating industry support to meet priority security requirements.

**About FASS and Project Background**

Future Aviation Security Solutions (FASS) is a programme designed to stimulate, fund and facilitate the development of innovative technology to deliver a step change in aviation security. It is a joint initiative between the Department for Transport (DfT) and the Home Office, working collaboratively with other Government agencies and across a wide range of stakeholders, from airports to universities. FASS has funding of £25.5m to invest over five years (2016-2021) with the ambition to support delivery of new aviation security solutions, not just concepts, to the commercial market.

An important strand of the FASS programme is to facilitate access to testing and trialling facilities.  Such access will enable researchers to refine their products and progress through the Technology Readiness Levels (TRLs). In this instance, FASS has commissioned JSaRC to explore the market for mature shoe screening technology with the ultimate aim of testing and trialling these products in a representative operational environment.

**The Requirement**

The FASS programme is seeking technological solutions capable of screening shoes for explosives and other threats whilst remaining on a passenger’s feet. Of particular interest are solutions which do not require shoes to remain in a fixed position during the screening process.

Solutions must be a) readily demonstrable in a representative operational environment and therefore must be at technology readiness level (TRL) greater than 6, and b) must have or be willing to obtain necessary safety certifications including CE marking and any other appropriate certifications relevant to the equipment.

If you have evidence of testing by an external third-party, or can direct JSaRC to where such external testing evidence may be obtained that would be helpful and may influence the type of testing to be conducted.

Solutions further must be provided with a proposed method of site acceptance testing, to validate proper operation of the equipment in-situ at any testing site. Any future testing is also contingent on, but not limited to, supplier support in setting up, training, and removal of equipment.

**Responses to JSaRC**

For this ‘market engagement’ exercise on behalf of FASS, JSaRC encourages responses from small, medium, and large companies across the security industry.

Please send your responses and queries to the following email address:

[JSaRC@homeoffice.gsi.gov.uk](mailto:JSaRC@homeoffice.gsi.gov.uk) - placing **FASS Shoe Screening Trials Submission**

in the subject line. Before midnight on Sunday 12 November 2017.

**Points to note in your submission:**

* Organisations / consortia may submit more than one solution.
* Feel free to submit online material by way of links, URLs or PDF documentation nevertheless actual descriptions as responses must be provided in your response.
* If this solution has already been offered or used elsewhere, please specify such details.
* JSaRC will email an acknowledgement for the receipt of a completed form.
* Replies to questions will be made available in an agnostic manner to all invited parties.
* The deadline for submissions is midnight on 12 November 2017.
* Solutions must be available for demonstration between January and March 2018.

**General Instructions**

* All suppliers and their submissions will be given equal and fair consideration.
* Responses must be in English.
* No submissions or associated documentation will be returned.
* Any further engagements will be dependent on the current environment and the capabilities of the solutions.

**Confidentiality of Information**

This document and all associated documents and the information contained therein are commercially sensitive. Such information must remain within the control of its holder always and must not be shared with outsiders.

**Disclaimer**

This document represents an early market engagement exercise without any obligations either on the part of the industry participants, JSaRC’s client, the Department for Transport, or that of the Home Office, here represented by JSaRC.

The above requirements for this work are at the current level of insight and understanding of the issues faced by JSaRC’s client. However, the client may alter its needs or requirements in detail, in part, or in entirety, at any time.

Neither JSaRC nor its client are under any obligations whatsoever by issuing this document, corresponding on the subject matter, nor by receiving any replies to the subject matter.

**APPENDIX: Industry Response**

**FASS Shoe Screening Trials Project Briefing**

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| **Organisation / Consortium Name** |  |
| **Trading Name if any** |  |
| **Organisation / Consortium Area of Specialism** |  |
| **Contact Name** |  |
| **Contact Position** |  |
| **Telephone** |  |
| **Mobile Phone** |  |
| **Email** |  |
| **URL** |  |
| **Company Number** |  |
| **Registered Address if different from above** |  |
| **Parent Company** |  |
| **Parent Company Address** |  |

**Instructions for a Response**

* In your response, please provide no more than 2 A4 pages with the following information (No smaller than size 10 font):  
  + A summary of what your technology is and the physical principles of its operation
  + Supporting infrastructure and staffing requirements. This should include:
    - Health and Safety Considerations
    - Operating procedures for the demonstration
    - Size, weight and power requirements, safe operating conditions (temperature and humidity)
    - External hardware such as a computer
    - Mode of operation (automated or manual), suggested concept of operation (CONOPS) and associated staffing requirements
    - A proposed means of site acceptance testing
    - Software Licensing
  + Evidence that your technology is currently at TRL 6 or greater and descriptions of any trialling or testing carried out using the equipment.
  + Further developments, i.e. next generation or ongoing upgrading of product.