

**APPENDIX B**  
**SERVICE DESCRIPTION**

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## **1. INTRODUCTION**

- 1.1 The Department for Transport (DfT) is the government department responsible for the English transport network. DfT have four strategic outputs, one of these being strengthening the safety and security of transport.
- 1.2 The Research, Analysis and Development (RAD) team sits within DfT's Transport Security Co-ordination and Operational Response Division (TS-COR). The team consists of a group of scientists who advise DfT and Whitehall colleagues on technology and techniques used to counter the terrorist threat to transport. This advice is based on an extensive programme of research that is managed and developed by the RAD team.
- 1.3 Further details about the Department are available on its website at: <https://www.gov.uk/government/organisations/department-for-transport>
- 1.4 A new requirement has recently been identified using detection dogs to screen people for the presence of materials of interest.
- 1.5 The requirements for this project are detailed in this document.

## **2. PURPOSE**

- 2.1 The aim of this project is to develop a canine people screening capability for detecting trained target materials, primarily in airport central search environments.
- 2.2 Canines should be trained to screen both static and moving people and should not make physical contact with them.
- 2.3 Canines should be trained to screen or scan all areas of a person, but of particular interest is validating the ability of canines to detect target hides located on the upper body of "suspect" people.
- 2.4 Results of this project will be used to inform protocols for the certification, quality assurance and operational deployment of a people screening capability in an aviation environment.

## **3. BACKGROUND TO THE AUTHORITY / DEPARTMENT**

- 3.1 The project will be overseen by the RAD team.
- 3.2 RAD will be responsible for providing technical oversight, answering specific technical queries and arranging operational testing of the canine capability in an aviation setting including providing test materials for this purpose.

## **4. BACKGROUND TO REQUIREMENT/OVERVIEW OF REQUIREMENT**

- 4.1 In the aviation setting there are a number of techniques capable of screening people for the presence of target materials, such as body scanners and hand search.
- 4.2 Some of these existing techniques are obtrusive and embarrassing for both the passenger and the screener. The use of a well-trained dog could provide a less obvious, but just as effective screening option.

- 4.3 The screening of people using canines could add to or complement existing methods. Canines could offer a high volume mass screening capability and properly trained dogs will provide a high detection, low false alarm rate option.
- 4.4 In its regulatory capability, DfT are specifically interested in the use of people screening dogs in airport central search
- 4.5 It is anticipated that if this project is successful in meeting performance requirements, people screening canines will be approved by DfT allowing airport operators to screen passenger in the aviation central search environment using this method.

## **5. SCOPE OF REQUIREMENTS**

The successful bidder is required to provide the following:-

- Procurement of a suitable number (5 to 8) of green (untrained) dogs for the project
- Training of these dogs to the standard required for the project
- Provide training aids and suitable concealment items, which will achieve the objectives of the project
- Train and provide suitable handlers for the dogs
- Provide dogs and handlers to participate in the evaluation trials
- Provide training information which will inform subsequent certification, quality assurance and operational protocols
- Provide the dogs, handlers and all information acquired during the project for demonstration, review and comment for the full duration of the project

### **5.1 Mandatory Requirements:**

- 5.1.1 The successful bidder will select and train between 5 and 8 green (previously untrained) dogs to screen people for the presence of two target materials. These target materials will be discussed with the operators who are successful in the tender process.
- 5.1.2 The appointed supplier will retain ownership of the dogs at all times.
- 5.1.3 The successful bidder must be able to clearly demonstrate that the dogs procured for the project were purchased from reputable sources and that during their upbringing all aspects of their welfare, husbandry and general wellbeing were considered resulting in a confident and healthy dog.
- 5.1.4 Only five dogs are required for the final assessment, so the strongest dogs from the pool should be selected.

- 5.1.5 There should be a clear process in place to rehome/redeploy the dogs at the end of the project. This includes all of the dogs that were procured and not just those used in the final five that are put forward for the trials. The successful supplier should be willing to provide to DfT all documentation relating to the rehoming of the dogs, demonstrating that they have gone to homes that will administer to the ongoing housing, husbandry and welfare requirements of the dogs.
- 5.1.6 During rehoming/redeployment consideration, DfT should be consulted to explore any options they may have for ongoing capitalisation of the asset.
- 5.1.7 Bidders should possess and be able store and handle training aids for the training of the project dogs.
- 5.1.8 Dogs will be trained and tested on specified quantities of target materials. These quantities will again be discussed with the successful operators.
- 5.1.9 Dogs should be selected for their size and temperament. Consideration must be given to the fact that the dogs will be working exclusively in public places.
- 5.1.10 Dogs should show no signs of aggression or any adverse reaction to environmental noises or situations.
- 5.1.11 Dogs will be worked on the lead at all times.
- 5.1.12 Dogs are required to screen all parts of a person, either moving at walking speed or static, for the presence of target odours.
- 5.1.13 Dogs should make no contact with the person/s being screened. Consideration should be given to training the team of dogs to raise up on their hind legs to screen the upper parts of a person, without making physical contact with them.
- 5.1.14 During training and testing target materials will be secreted underneath loose fitting clothes.
- 5.1.15 Dogs should be of high drive and trained to actively seek out target odours. Odours permeating out of the clothing may be of low concentrations and the dogs trained for this project should quickly and effectively search for and detect target odours on those people carrying.
- 5.1.16 As much as possible dogs should be self-tasking and there should be minimal handler influence on the search of each person. The handler however can steer the dog as to who should be searched.
- 5.1.17 Dogs should be trained to give a clear, unequivocal passive indication on the person carrying the target material.
- 5.1.18 The last phase of the project will assess and evaluate these dogs in an operational environment. This assessment will be conducted by DfT or one of its representatives.

- 5.1.19 Dogs will be evaluated on target materials secreted in a variety of locations over the body and head of human volunteers
  - 5.1.20 The successful project will require a minimum detection rate and an upper limit on false indications. Details of the detection and false alarm requirements will be discussed with the successful bidder.
  - 5.1.21 As part of the evaluation process dogs will be tested on blank volunteers i.e. people who have been given no target items to carry.
  - 5.1.22 Full access should be permitted to DfT and its representatives to view the dogs during their training and testing.
  - 5.1.23 The successful bidder should have access to public places for training and environmental conditioning of dogs.
  - 5.1.24 The canine supplier should provide a full, technical report on the journey from initial training of green dogs through to the final assessment and evaluation of the dogs.
- 5.2 Desirable Requirements
- 5.2.1 Companies should be able to demonstrate previous experience of training people- screening dogs.
  - 5.2.2 The training and handling of the dogs should be shared between a number of handlers.
- 5.3 Information
- 5.3.1 Bidders should be able provide documentary evidence to show that they are licenced to hold training quantities of the target materials to be used. This evidence will include an explosives licence and a licence to transport explosives on public roads.
  - 5.3.2 Bidders should be able to demonstrate that the dogs used in the project are vaccinated and suitably medicated to work in public places in the UK.
  - 5.3.3 Bidders should be able to clearly demonstrate that the welfare, housing and husbandry requirements of the dogs has been considered including during transportation.
- 6. SERVICE LEVELS AND PERFORMANCE**
- 6.1 The Department will measure the quality of the Supplier's delivery by:
- 6.1.1 The Plan as at the Effective Date is set out below:

Milestone	Deliverable Type	Specific Deliverable	Date	Customer Responsibilities
1	Detailed Project Plan	<ul style="list-style-type: none"> <li>Risk to delivery and associated mitigations log</li> <li>Technical Approach</li> <li>Detailed delivery plan</li> </ul>	Sept 15	Provide further detail necessary to complete detailed plan
2	Green dogs procured for project	<ul style="list-style-type: none"> <li>5 – 8 green dogs procured</li> </ul>	Oct15	Provide further information as to temperaments of dogs
3	Dogs trained ready for testing	<ul style="list-style-type: none"> <li>5 dogs trained to detect two target materials secreted under loose clothing in all areas of the body.</li> <li>Dogs trained to detect range of target masses</li> <li>Basic demonstration of dogs' abilities to detect the targets on static people in training environment.</li> </ul>	Nov 15 – Jan 16	View trained dogs and assess their readiness for evaluation in an operational environment
4	Dogs available for testing in operational environment	<ul style="list-style-type: none"> <li>5 dogs and their handlers available for up to three weeks of assessment and testing</li> </ul>	Early Feb 16	Provide suitable operational venue for the evaluation along with a number of volunteers to participate
5	Final Report	<ul style="list-style-type: none"> <li>Detail training process and points to consider during training of further dogs</li> <li>Detail testing process and results of the evaluation</li> <li>Benefits and limitations of people screening using canines</li> </ul>	Late Feb 16	Provide guidance on format and layout of report.

6.1.2 If so required by the Department, the Supplier shall produce a further version of the Plan (based on the above plan) in such further detail as the Department may reasonably require. The Supplier shall ensure that each

version of the Implementation Plan is subject to approval. The Supplier shall ensure that the Implementation Plan is maintained and updated on a regular basis as may be necessary to reflect the then current state of the implementation of the Services.

- 6.1.3 The Department shall have the right to require the Supplier to include any reasonable changes or provisions in each version of the Implementation Plan.
- 6.1.4 The Supplier shall perform its obligations so as to achieve each Milestone by the Milestone Date.
- 6.1.5 Changes to the Milestones shall only be made after consultation with the Department and once its approval has been given.
- 6.1.6 The project progress will be monitored through regular review meetings. These will be at least monthly, and may be more frequent during the early stages of the project, in order to ensure that the supplier has sufficient information from the authority. Meetings will be held at the Department's site at Great Minster House London and the Supplier's attendance will be at nil extra cost to the Department.
- 6.1.7 Payment will be in arrears and only made following satisfactory delivery of pre-agreed certified products and deliverables.
- 6.1.8 Before payment can be considered, each invoice must include a detailed elemental breakdown of work completed and the associated costs.

## **7. INTELLECTUAL PROPERTY**

- 7.1.1 All intellectual property rights in any materials provided by the Department to the Supplier for the purposes of this Agreement shall remain the property of the Department but the Department hereby grants the Supplier a royalty-free, non-exclusive and non-transferable licence to use such materials as required until termination or expiry of the Agreement for the sole purpose of enabling the Supplier to perform its obligations under the Agreement.
- 7.1.2 All intellectual property rights in any materials created or developed by the Supplier pursuant to the Agreement or arising as a result of the provision of the Services shall vest in the Supplier. If, and to the extent, that any intellectual property rights in such materials vest in the Department by operation of law, the Department hereby assigns to the Supplier by way of a present assignment of future rights that shall take place immediately on the coming into existence of any such intellectual property rights all its intellectual property rights in such materials (with full title guarantee and free from all third party rights).
- 7.1.3 The Supplier hereby grants the Department:
  - 7.1.3.1 a perpetual, royalty-free, irrevocable, non-exclusive licence (with a right to sub-license) to use all intellectual property rights in the materials created or developed pursuant to the Agreement

and any intellectual property rights arising as a result of the provision of the Services; and

7.1.3.2 a perpetual, royalty-free, irrevocable and non-exclusive licence (with a right to sub-license) to use:

- (a) any intellectual property rights vested in or licensed to the Supplier on the date of the Agreement; and
- (b) any intellectual property rights created during the Term but which are neither created or developed pursuant to the Agreement nor arise as a result of the provision of the Services,

including any modifications to or derivative versions of any such intellectual property rights, which the Department reasonably requires in order to exercise its rights and take the benefit of the Agreement including the Services provided.

7.1.4 The Supplier shall indemnify, and keep indemnified, the Department in full against all costs, expenses, damages and losses (whether direct or indirect), including any interest, penalties, and reasonable legal and other professional fees awarded against or incurred or paid by the Department as a result of or in connection with any claim made against the Department for actual or alleged infringement of a third party's intellectual property arising out of, or in connection with, the supply or use of the Services, to the extent that the claim is attributable to the acts or omission of the Supplier or any Staff.

7.1.5 At the end of the project, the dogs trained will remain the property of the supplier.

7.1.6 These dogs must not be sold or used as people screening dogs without written permission from DfT

7.1.7 The supplier must not disclose to any outside parties the aims of the project, technical and security information gained or testing methods used during the project, without first seeking and obtaining the permission of the Department.

## **8. LOCATION**

8.1.1 Training of the dogs should be conducted at the suppliers premises or at a facility of the suppliers choosing

8.1.2 Locations for any demonstration should be arranged by the supplier. Volunteers to carry the target materials during the demonstrations should also be provided by the supplier.

8.1.3 The location for the final evaluation will be arranged by DfT

## **9. SECURITY REQUIREMENTS**

- 9.1 Any testing data collected by the Department will be retained by the Department and will not be available to the supplier. However, detailed feedback on performance will be given if requested.
- 9.2 The supplier will be given access to sensitive information which must be shared on a strict need to know basis (i.e. selected members of the project team only). The supplier will destroy all classified information on completion of the project.
- 9.3 Handling instructions will be given with all documents supplied by DfT, relating to the project. The successful bidder will be expected to handle and store all documents appropriately, abiding by the individual handling instructions.
- 9.4 Please provide details of the security arrangements you have in place to ensure the requirements of this section 9 are complied with.

## **10. PROJECT TIMETABLE**

- 10.1 The key targets for this project are as follows:
- Project initiation Early October 2015
  - Procurement of dogs by end October 2015
  - Dogs trained to detect target materials November 2015 – January 2016
  - Dogs available for evaluation early February 2016
  - Submission of final report end February 2016