



Security Innovation
& Demonstration Centre

Security & Policing 2016

Demonstration Integrator Proposal *“Frontline. Online. Everywhere”*

V1_0

SIDC team

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Opportunity Outline

Background

- The Home Office Security & Policing Exhibition will be taking place at FIVE, Farnborough from the 8th to the 10th March. This is the UK's premier security and law enforcement event. More details at www.securityandpolicing.co.uk
- The event is aimed at police, law enforcement and security professionals who are tasked with security, civil protection and national resilience. Security & Policing showcases world leading products and services, taking advantage of the unique opportunity to bring together people with operational needs with companies that have the relevant solutions, all within a secure environment.
- SIDC will be running a high profile demonstration of mobile investigation capability at the exhibition.
- The demonstration will form part of the planned itineraries for VIPs, invited foreign delegations, selected domestic delegations and also be open to exhibition attendees.
- The demonstration will be run continuously and there will be exhibitor space alongside the demonstrator for contributor stands.
- The demonstration will show how current and future technology could work together and make high volume law enforcement and border security scenarios more efficient.

Opportunity detail

- SIDC are looking for an **integrator** to take on the development of the demonstrator from the initial brief provided into a world class, interactive demonstrator.
- The successful applicant will need to work with other companies who will bring their own technology to the demonstration.
- As the lead contractor, the integrator will be able to ensure their own technologies are demonstrated to their full potential.
- SIDC will provide ongoing oversight to ensure the demonstrator is in agreement with government requirements and the original brief.
- SIDC will facilitate access to the Police, Border Force and other end users in order to develop the scenarios.
- SIDC will provide the SIDC demonstration space at S&P including access to the exhibition internet and wifi
- SIDC will seek VIP visitor feedback and distribute this to participants.

Submission Format

Please send submissions by email to SIDC@homeoffice.gsi.gov.uk by 23rd October 2015 and include:

- Details of your company and a dedicated contact
- No more than a single side of A4 outlining what your company would bring to the demonstration and any relevant experience or expertise.
- If you have any queries (prior to submission) please contact us at the address above.

Demonstrator Theme

Security and Policing 2016 has a number of themes running throughout, each of which will be represented within the 2016 demonstration to maximise relevance to the exhibition and interest from domestic and overseas visitors.

- Police Innovation
- Border Security
- National Security
- Efficient Criminal Justice
- Cyber

It is also intended that the demonstration follows the priority areas from the Government Briefing Zone which has an overarching theme of IDENTITY across the 3 days

The demonstration aims to highlight:

How lower level, everyday crime and other law enforcement incidents could be resolved through immediate decisions on location, making savings across multiple law enforcement agencies and providing instant justice and resolution at a community level.

Key themes are:

- **Working together** to provide efficient, multi-agency response to incidents
- **Using existing digital services** and proposing useful future capabilities
- **Instant access** enabling immediate decisions and early resolution
- **Immediate verification** of identities and information
- Taking **justice online** where appropriate

The working title for the demonstration is “**Frontline. Online. Everywhere**”

Demonstrator Technologies

The key technology themes that will run through the demonstration are as follows:

Identification and Verification

The ability to identify a person and verify that identity instantly, as well as gathering relevant information such as age, criminal history etc.

Online Services

The ability to resolve incidents, where appropriate, on location and automatically. Achieved by providing services such as appropriate adults, defence lawyers, social services and mental health support.

Information transfer

An interface with internet service providers and communications companies to allow the immediate removal of inappropriate content. Internal information transfer to allow efficient shift changes to take place.

Demonstration Structure

This proposal is for an immersive experience in which visitors are able to interact with existing technology as well as representations of future concepts and products. Visitors will gain an insight into the tremendous possibilities that technology can offer.

It is proposed that:

- Visitors are directed to a personal booth, equipped with a monitor, headphones, any relevant technology and a tablet computer.
- Visitors can select either Police or Border Force scenarios from a screen, each one designed to show the art of the possible in mobile investigation technology.
- Visitors will be able to choose the scenarios they would like to experience, in the order they choose.
- Visitors should interact with the demonstrator using technology. For example they are prompted by software to take witness statements on their tablets, use video calling to source external help, take fingerprints and biometric data or carry out a roadside breath test.
- At the end of each scenario a 'talking head' Police officer or Border Force operative will explain what has happened and how it differs from today.
- In order to cater for overseas delegations, the experience should also be available to groups and be translated into a number of languages, possibly through the use of subtitles.

Example Narrative Features

Some example scenarios for inclusion within the demonstrator are included below. Each of these scenarios as well as further examples are expected to be further developed by the integrator with the support of SIDC and end users, in order to best demonstrate technology offered.

Lifestyle drink driving

A lifestyle drink driver has had a minor car accident on the way to school with their children in the morning. On arrival, an officer uses a roadside, evidential breath test to prove they are over the limit. ID and biometrics are used to confirm the driver's identity. The officer begins the drink drive procedure on a mobile device and the following things happen automatically:

- a. a virtual magistrate is called and an instant disqualification is agreed
- b. a technician is arranged to add a remote lock to the vehicle, denying the driver access to the vehicle
- c. appointments are made with their GP/health services and drink aware counsellor

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A video statement is then taken and added to a database. The system automatically emails the offender with details of what has happened, further action and appointments and routes of appeal.

People trafficking operation

An HGV is pulled over by Border Force following intelligence that illegal immigrants are contained within it. Border officers contain all persons on board and each one is identified using links to all Home Office databases and biometric devices. Open Source Intelligence is used to automatically derive links between the persons on board and a suspect is identified, thought to be the trafficker. The suspect is flagged as wanted and detained by ANPR and facial recognition at Calais. Vehicle telematics is used to establish that the breach occurred before the port and the driver is detained for assisting the detainees. A number of the detainees are identified as having medical conditions through an interpreter application and various medical sensors and the correct assistance is provided.

Mental health and medical triage

A police officer approaches a person who has been reported as violent and abusive. On arrival it is unclear whether the person is drunk, has suffered an injury or has mental health issues. The officer uses access to medical sensors, government databases on past incidents as well as health records and online diagnosis software to assess the situation. A mental health triage nurse is required in this instance and correct safeguarding decisions to better deal with a vulnerable person are made.

Timescales

- 23rd October; Deadline for expressions of interest
- 29th October; Down select finished
- 13th November; Shortlisted bids submit full proposals
- 27th November; Winning bid selected
- 17th December; Initial build requirements submitted to venue
- 8th January; Planning meeting
- 29th January; Planning meeting
- 19th February; Planning meeting
- 7th March; Installation
- 8-10th March; S&P 2016