



Security Innovation
& Demonstration Centre



Security & Policing 2016

Demonstrator Technology Partner – Call for Interest

“Frontline. Online. Everywhere.”

SIDC Team

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Opportunity Outline

Summary

SIDC will be running a high profile demonstration of mobile investigation capability at the **Home Office Security & Policing Exhibition in Farnborough 8th-10th March 2016**. The demonstration will illustrate to the law enforcement community how utilising current and future technology could make high volume law enforcement and border security responses more efficient.

SIDC is now looking for a number of technology partners to showcase their capabilities at the event. Prospective participants are requested to outline what technologies and capabilities they can contribute against a series of law enforcement scenarios, which will be used to demonstrate the challenges faced by frontline policing and border security with increasing data volumes and digital complexity.

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.
- The demonstration will form part of the planned itineraries for VIPs, invited foreign delegations, selected domestic delegations and also be open to exhibition attendees.
- On 27 November, SIDC selected BAE Systems Applied Intelligence to take on the role of integrator with the responsibility of bringing together other companies and their technology solutions to be showcased alongside BAE Systems' own capabilities through the demonstrator.

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 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.**”

Opportunity Detail

- SIDC are looking for a wide-ranging selection of technology partners who are able to evidence innovation against the scenarios outlined below and show an understanding of the challenges at the heart of the demonstrator.
- The demonstrator will make use of the BAE Integration Platform, which will enable SIDC to highlight the challenges faced by law enforcement around access to disparate data sources. Each partnering organisation will be able to showcase their technologies and capabilities against the scenarios through this platform.
- While participating organisations will not be able to demonstrate their own technology or market their products in the demonstrator exhibition space, SIDC has reserved a number of nearby

stands that can be used at a fixed price. Participating organisations are however welcome to partner together and share these stands to split costs.

- Given the profile of the event and the opportunity it presents for its participants to showcase their capabilities to a broad set of UK and international stakeholders, there is no SIDC funding for participation in the event.
- All participating organisations will be expected to agree collaborative working principles
- SIDC will provide ongoing oversight to ensure the demonstrator is in agreement with government requirements and the original brief and facilitate access to law enforcement stakeholders in order to develop the scenarios.
- SIDC will seek VIP visitor feedback and distribute this to participants.

Law Enforcement Scenarios

Some example scenarios to underpin the demonstrator are outlined below, providing some context on the types of technologies that SIDC is interested in exploring further.

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.

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.

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

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.

Demonstrator Technologies

The demonstrator scenarios will be used to illustrate innovative uses of technology to allow everyday frontline law enforcement challenges to be overcome in a speedier and more efficient manner.

To that end, a number of capabilities have been identified and are listed under the following three technology themes. Each proposal is expected to outline what the prospective technology partner can offer to enable these capabilities.

Identification and Verification

- Mobile access to automated communications data (in particular geo/cell site information)
- Mobile access to databases and back office systems, such as:
 - Electoral roll
 - PNC database
 - PND database
 - Case management systems
- Mobile fingerprint/biometric capture
- Technical solution for determining whether ID documents are false

Online Services

- Mobile platform that gives access to back office systems

Information transfer

- Federated search across police databases
- Visualisation and analysis of data

This list is by no means exhaustive and we welcome suggestions for additional relevant technologies and capabilities relating to the key themes set out above.

Timescales

- 31 December Deadline for expressions of interest
- w/c 8 January Review and selection of technology partners
- 11 January Successful candidates announced
- To end February Test bed install and integration
- 7 March Installation
- 8-10 March S&P 2016

Expressions of Interest

Please send expressions of interest by email to SIDC@homeoffice.gsi.gov.uk by 31 December 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.