

Case Study: NPIA and DfT

About IPL

IPL is a software & IT services company specialising in the delivery of intelligent business solutions. We help our clients to exploit corporate information assets to yield tangible business benefits.

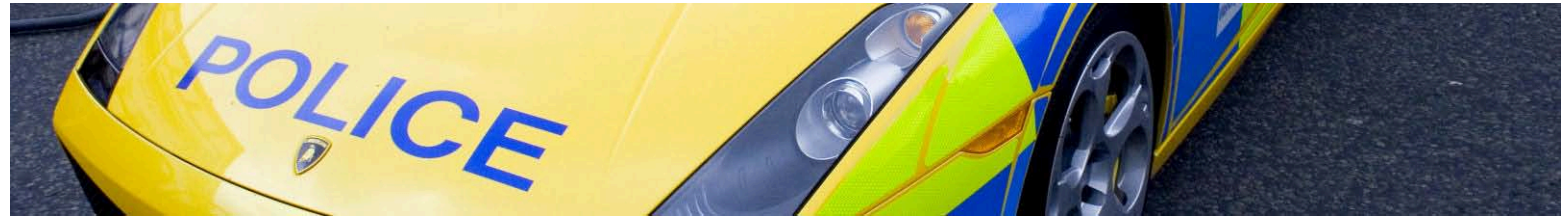
IPL's consulting is renowned for its quality and value. We consistently exceed our clients' expectations through a combination of imaginative thinking, managerial and technical expertise and many years of systems engineering experience.

IPL's track record in end-to-end software solutions development is exceptional. Our proven development methodology allows us to cut through technical complexity, manage risk and completely focus on delivery. We always deliver reliable, efficient and accurate systems to a precise schedule.

IPL is certified against three international standards:

- ISO 27001:2005 (Information Security)
- ISO 9001:2008/TickIT (Quality)
- ISO 14001:2004 (Environmental)

The company has a permanent workforce of 260, revenues of ca. £29M p.a. and 40,000 sq ft of secure office space in central Bath.

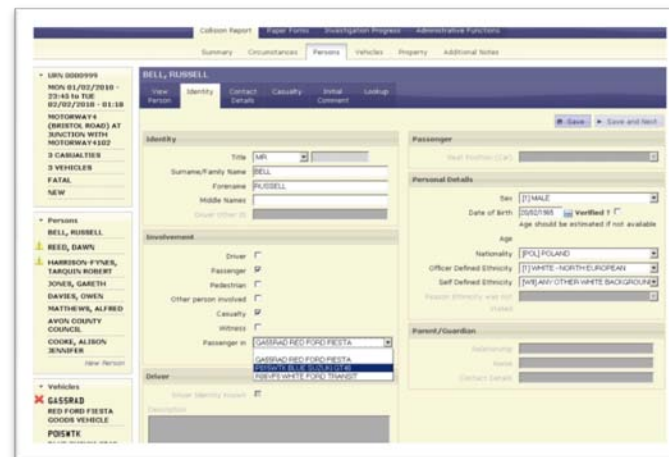


CRASH – National collision reporting

Delivering in partnership

The National Policing Improvement Agency (NPIA) and the Department for Transport (DfT) selected IPL to develop software for CRASH, a national police system that will improve the efficiency, accuracy and timeliness of the collision reporting process.

Providing a variety of workflow oriented interfaces, CRASH allows police officers to quickly enter and manage information whether at the roadside or at the police station. These facilities include direct access to data held in the Police National Computer (PNC), enabling the verification and auto-population of key fields.



CRASH integrates seamlessly with existing police systems, both local and national, to ensure information is always disseminated as required. It also supports the automatic submission of appropriate data to the Department for Transport (DfT) and local authorities, enabling identification of accident hotspots and a reduction in the number of road-users killed or injured. This national policing application will help to save lives and reduce police paperwork.

Why is it important?

The Flanagan Review of Policing highlighted the need to reduce the bureaucracy. CRASH offers streamlined and standardized processes to improve policing efficiency.

The DfT expects the improved availability and accuracy of CRASH information to support timely analysis, with the following benefits:

- Rapid identification of accident hot-spots and their relative severities.
- Assistance with local planning and road traffic management.
- Prevention of future road traffic accidents.

For the General Public, such improvements in accuracy and timeliness of gathered information and its analysis will help to save lives. Together, the Police, DfT and Highways Agency will be able to take action sooner to improve road safety.

The information collected with CRASH will be used in a greater variety of ways that will shed new light on road traffic management. Forces will be able to 'mine' information more effectively and gain more knowledge from the information that they collate.

Intelligent policing

Currently, the details of road traffic accidents are recorded on lengthy forms. This is a slow, inefficient and frequently inaccurate method.



CRASH will offer better information collection processes, comprising;

- 'at site' data collection, using PDAs and mobile data terminals,
- automatic and manual data transfer to a central system.

Desktop software will support equivalent office operations.

On site report content validation, against information retrieved from the Police National Computer and other systems, will improve accuracy of the gathered information. Reducing the need for incident data transcription further enhances data accuracy.

Storage of CRASH data at Hendon will provide the following benefits:

- Standardization of information collected.
- Improved availability, allowing forces to analyse all information stored on the system and extract data for their own data warehouses.

CRASH will also support the management of incidents by including supervision processes, journaling (with attachments), full evidential audit, and automated letters and decision of investigation outcome.

From day one, CRASH will use the Identity and Access Management (IAM) system. This allows police officers and support staff to securely access different national police systems from, potentially, any location. It simplifies user logon, reduces system administration for forces and saves CRASH operating costs paid by police.

At the heart of the new CRASH system is an IPL product: Intelligent Policing Core Services (IPCS). Designed to meet modern police IT standards, such as ISS4PS, IPCS comprises a defined set of core services, applicable to many policing systems.

How will CRASH be deployed?

In 2008, ACPO and DfT agreed the requirements that CRASH needs to meet. Subsequently, IPL was contracted to develop and deploy CRASH and, working with the NPIA, will manage its successful delivery.

The CRASH programme has a development phase of approximately 2 years and will be delivered, initially, to three police forces, with the expectation that the system will be rolled out nationally. As the prime contractor, IPL is responsible for project management, delivery, and development of user interfaces, services, database, administration facilities, and the integration with external systems. IPL has subcontracted the mobile element to AMT Sybex, a Windows Mobile solutions specialist who has already delivered a collision reporting system to the Metropolitan Police.

CRASH will be run by the NPIA and forces will be able to opt to use the system once it has gone live.

The NPIA will work with forces wishing to use CRASH to ensure that it is aligned with other technologies that are becoming available.

PNC Services will host the CRASH system – it is a national application and database. There will be no costs for any hardware, software licences, or proprietary software for forces.

IPL look forward to working with the NPIA and the UK police forces in supporting CRASH, ensuring that it continues to meet policing needs, adapts to legislative change, and benefits users of the UK road network.



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