

# Data Integrity Services



Data Integrity Services supports improved data quality for sound decision making

---

How confident are you about your data? Is it accurate and reliable?

Or are you worried that it may be inaccurate, incomplete or out of date?

And how could these problems affect your ability to meet increasingly tough performance targets?

## Can you really Trust your Data?

All police forces focus a great deal of resources on developing their own databases, data warehousing systems and information sharing solutions. Yet all of these high cost, high profile investments can be undermined by simple data quality issues.

Police forces, perhaps more than any other organisations, need and demand quality data. In serving the public, carrying out investigations, preparing cases for court, analysing intelligence-based information, predicting demand for resources and all of the other responsibilities of a police force, the need for accurate and timely information is paramount.

In the commercial world, businesses are waking up to the fact that poor quality data can cost the average company between 10 and 20% of total revenue each year, besides leading to numerous customer relationship failures. Although police forces inhabit a very different world, they can be equally affected by problems with data integrity.

Corrupt, missing or out of date information wastes police time, reduces productivity, makes it harder to reach efficiency targets and make effective decisions and can lower the public's perception of policing. All of these

problems can be reduced when information capture and storage is improved.

## How Data Problems Happen

With access to reliable intelligence, it is much easier to make sound decisions and good risk assessments. Yet most police forces will be familiar with data issues related to simple inconsistencies in the use of information.

In the average large organisation, we are likely to find all or most of these common types of problem:

- Completeness - data becomes unusable, inaccessible or is accidentally deleted.
- Conformity - data is added in different formats and via different applications, leading to non-standard content which is difficult to query.
- Consistency - data offers different and conflicting views of the same subject, leaving the user unable to decide where the truth lies.
- Accuracy - data needs to be corrected, is becoming dated and inaccurate, or has multiple copies.
- Integrity - missing links or descriptive material making it hard to understand the application or purpose of material.

Nobody has to make mistakes or act in a malicious way for these problems to occur: In practice they will build up unless actively prevented.

For all of these reasons, police forces need an effective process tool for implementing a comprehensive data weeding policy. That is exactly what Unisys is now able to give them.

## Data Integrity without Tears

Unisys has teamed with Explorer UK to adapt Athanor, the industry-leading data integrity application, for police use as part of a complete solution to key data issues.

Working with Unisys, police forces can ensure that existing data is known to be of the right standard; that all data is logged in a way that prevents problems from arising and can maintain data accuracy and reliability into the future.

We begin with a comprehensive Data Quality Audit, which profiles and analyses existing data against the six key measurements of completeness, conformity, consistency, accuracy, duplication and integrity. This audit covers both the data itself and the data description field.

We then work with the police force to develop and implement clear, long-term rules for data cleansing, while setting targets for output data. This is a simple process, based on the web-enabled user interface.

After this, the force is able to manage the system by using simple, intuitive software tools, proven in action across a wide range of industry sectors.

## Additional Services

Unisys can supplement basic Data Integrity Services with additional services, such as:

- Creating a unique, customised plan for management of all core data types, ensuring that new data conforms to logical rules.
- Periodic review of current data, with the option to carry out remedial work if this is found to be necessary.
- Production of detailed management information that enables a police force to monitor the quality and integrity of its data on a continuous basis.

## About Unisys

Unisys is a worldwide systems integrator specialising in information technology services and solutions. We offer an end-to-end portfolio of value-based solutions led by our competency in consulting and systems integration, outsourcing, network services and security, combined with leading enterprise-class server and related technologies.

We work with over 300 law enforcement agencies worldwide. In the UK, we have worked closely with police forces across the country for almost 20 years. We have a track record of delivering effective solutions based on understanding the challenges facing policing professionals today.

## Benefits

Unisys Data Integrity Services provides a solution that is:

- Easy to implement, with fast set-up time.
- User-friendly, requiring a minimum of training.
- Simple to use, with a highly intuitive interface.
- Easy to manage, with forces able to manage the data quality process from their own resources.

This results in:

- Better risk assessment.
- Better decision-making.
- More efficient use of police time.
- Improved operational effectiveness.

## Client References

- Humberside Police, UK.



Unisys is an accredited supplier on the OGCBuying.solutions Catalist Framework



Specifications are subject to change without notice.

©2006 Unisys Corporation.

All rights reserved.

Unisys is a registered trademark of Unisys Corporation. All other brands and products referenced herein are acknowledged to be trademarks or registered trademarks of their respective holders.

207d/06