

The iFORMation – Police Services Data Collection Optimization Solution



With InfoMax's digital pen solutions a very large proportion of the administrative burden placed on the police to record information can be automated. This technology can, not only reduce the double input of various reports; the information from the reports can be made available to other functions within Police Services minutes of the report being prepared.

Benefits and Applications of Digital Pen & Paper for Police Services

Benefits:

- Eradicate the need to re-key data from a form
- Deliver data securely from the beat to the police administration systems in seconds
- Improve the criminal justice system
- More police on the street, tackling crime
- Automatic electronic archiving of forms
- Enhanced security

Applications:

- Crime scene investigation
- Stop and account or stop and search
- Fixed penalty notices
- Crime/incident/domestic violence reporting
- Custody logs
- Accident reporting

Section 1 – DECEDENT'S DETAILS	
1.1 Decedent's Demographics	
a) Family Name:	b) Given Name(s):
c) Race: <input type="checkbox"/> Male <input type="checkbox"/> Female <input type="checkbox"/> Unknown	d) Date of Birth:
e) Date of Death (month):	f) Date of Birth:
g) Age:	h) Date of Birth:
i) Marital Status: <input type="checkbox"/> Never Married <input type="checkbox"/> Married (including widowed) <input type="checkbox"/> Married <input type="checkbox"/> Divorced <input type="checkbox"/> Separated <input type="checkbox"/> Unknown	j) Date of Birth:
k) Usual Address:	l) State:
m) Residency: <input type="checkbox"/> Permanent <input type="checkbox"/> Rental <input type="checkbox"/> Homeless <input type="checkbox"/> Interstate Visitor <input type="checkbox"/> Overseas Visitor	n) Country:
o) Postcode:	p) Suburb/Town:
q) Country of Birth:	r) Employment Status:
s) Usual Occupation:	t) Was deceased from non-English speaking background?
u) Was the decedent of Aboriginal or Torres Strait Islander origin? (if both tick 'yes' to both)	v) Was the decedent of Aboriginal or Torres Strait Islander origin? (if both tick 'yes' to both)
w) Were there other deaths associated with this incident?	x) Were there other deaths associated with this incident?
1.2 Medical Information	
y) Did an ambulance attend the scene?	z) Was the decedent treated by ambulance officers?
aa) Were drugs administered by medic / paramedic prior to death?	ab) Were drugs administered by medic / paramedic prior to death?
ac) If yes, specify:	ad) Date Last Visited Doctor:
ae) Known Medical History:	af) Was deceased known to be on medication?
ag) Was deceased suspected of having an infectious disease at time of death?	ah) Was deceased suspected of having an infectious disease at time of death?
1.3 History	
ai) Did the deceased have a known history of any of the following?	aj) Did the deceased have a known history of any of the following?
ak) Release from an institution within the last week:	al) Release from an institution within the last week:
Section 2 – LOCATION OF DEATH (tick one box only)	
am) Home	an) School / Other Institution / Public Administration Area
ao) Recreation Area	ap) Correctional Facility (jail, prison, youth training centre)
aq) Sports or Leisure Area	ar) Residential Facility (ing retirement village)
as) Path (not nature reserve)	at) Street or Highway
au) Hospital or other Health Service	av) Trade or Service Area
aw) Mine or Quarry	ax) Unknown
ay) Industrial or Construction Area	az) Other (specify):

Case Study

The Customer

Dorset Police is the Home Office police force with the responsibility of policing the English county of Dorset. The force has an establishment of over 2500 staff including police officers, special constables and civilian staff. The force is divided into four Divisions, these being Western Division (covering the Western half of the county), Eastern Division (covering the Eastern part of the county) and a separate division for each Poole and Bournemouth, the two main urban areas of the county police force

Challenge

When a crime scene officer attended an incident, they had to complete the paperwork at the site, transport it back to the station and manually enter the data from the form into the police database. This meant that there was a significant delay between the crime and the availability of the data to the rest of the force which created further delays in the investigation of a case. Also the accuracy of the data was not as good as it needed to be.

Solution

The Dorset Police began a pilot for six crime scene investigators whereby the data was entered onto a digital paper form at the crime scene. The investigator then ticked the form and the data was immediately transferred back to HQ. The trial proved that the technology not only reduced the double inputting of scene examination reports, but that the information from crime scenes was made available to an investigator within minutes of the evidence being recovered. This had extensive benefits in major crime investigation where early results/information can prevent many man-hours of investigation work and assist the Senior Investigating Officer direct his lines of inquiry. Due to the success of the pilot, the system was rolled out to all of the crime scene investigators and the functionality was extended to integrate the data directly into the force computer system.

Benefits

The benefits achieved by the digital pen implementation have been extensive. The most obvious of these is the huge time saving that is achieved by the investigators no longer having to manually enter the data when they return to HQ. The fact that the data goes directly from the paper to the back office system in a matter of minutes means that the average time saving per investigator is forty minutes per shift. These time savings lead to a cost reduction which gives a very rapid return on investment.

The investigators found the digital pen intuitive and easy to work with and the design of the form and training provided meant that the quality of the hand writing recognition that the software interprets is extremely accurate. All crime scene documentation for a particular case is now available on-line. This means that any officer can now instantly call up an image of the crime scene report within seconds rather than having to go and manually extract a paper.



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