

**THE OFFICE OF POLICE AND CRIME COMMISSIONER  
FOR DERBYSHIRE  
DECISION RECORD**

<b>Request for PCC Decision</b>	<b>Received in OPCC Date: 21 March 2013</b>	<b>OPCC Ref: 35/13</b>
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**Title: NEW MOBILE TECHNOLOGY: FORENSICS AND OTHER SERVICES**

**Executive Summary: To be completed by PCC Specialist lead**

Approval was sought to pilot the use of I-Pad technology across a number of areas of the force. The business case attached to the report at Annex A highlighted the potential benefit of using I-Pads for Crime Scene Investigators (CSI)

The estimated costs for the Derbyshire Solution would be £59,188 which would deliver 2 applications and 50 devices for distribution.

It was proposed to place an order totalling £83,000 with ongoing 3 year costs estimated at £42,000 per annum to implement the solution as detailed within the report and this would be let under an existing framework arrangement.

**Decision**

**Resolved that**

To approve a single supplier contract under the existing framework arrangement for the provision of mobile tablet technology and associated hardware and software.

**Declaration**

I confirm that I have considered whether or not I have any personal or prejudicial interest in this matter and take the proposed decision in compliance with the Code of Conduct for the Police and Crime Commissioner for Derbyshire. Any such interests are recorded below.



**DECISION REPORT**  
**25 MARCH 2013**  
**REPORT OF THE CHIEF CONSTABLE**

**NEW MOBILE TECHNOLOGY: FORENSICS AND OTHER SERVICES**

**1. PURPOSE OF THE REPORT**

- 1.1 This report seeks approval to pilot the use of I-Pad technology across a number of areas of force and regional activity.

**2. INFORMATION AND ANALYSIS**

- 2.1 Over recent months Information Services has been assessing the potential to make use of new I-Pad tablet technology for both the Regional Forensics Team and for Officers on the CIM Rota.
- 2.2 The main barrier to the use of this technology is that it was not previously accredited for security by CESG. This barrier has now been removed with the ability to lock down these devices if they are lost or stolen.
- 2.3 The other main concern has been the growing proliferation and cost of devices across the force e.g. desktop/laptop, blackberry and now an I Pad.

**The Concept**

- 2.4 The immediate usefulness of tablets is limited to accessing and managing e-mails and documents, albeit with a larger easier to read screen than a blackberry.
- 2.5 This can still be useful for officers who frequently need to access mail and detailed reports as well as reducing the amount of paper officers need to print and use at meetings.
- 2.6 To gain further benefit specific Apps will need to be developed that tailor the device more to the specific needs of an individual service. The cost of developing these Apps can vary but the most complex Apps can cost some £10,000 to £20,000.
- 2.7 Current work has shown that tablets have two immediate operational uses.

**Forensics**

- 2.8 A business case attached at Annex A shows the potential benefit of using I Pads for crime scene investigators (CSI). Essentially these devices would

enable a CSI to capture fingerprints at the scene and send them back via a specially developed App.

- 2.9 The concept also provides for another specific App to be developed that will enable CSIs to access and update the main forensics system "Socrates".
- 2.10 The service benefits are:-
- a potentially faster response time between lifting and identifying fingerprints, really important for a major investigation
  - CSIs do not need to return to the office to bring back fingerprint lifts and so can be more productive and deal with more cases
  - Potentially savings could be made over time in the number of CSIs that may be required.
- 2.11 Derbyshire Police is the lead force for Forensics Collaboration, which covers Derbyshire, Lincolnshire and Nottinghamshire and is seeking approval to cover the costs associated with the Forensics solution from the Regional Forensics Budget.

#### CIM

- 2.12 A Derbyshire specific issue is the use of I Pad tablet for Critical Incident Managers on the CIM rota.
- 2.13 There is a considerable amount of documentation that CIMs need to refer to when handling incidents. This documentation can also change on a regular basis, which creates a risk if officers simply refer to paper records.
- 2.14 The I Pad tablet would be particularly useful to enable CIMs to access the most up to date documentation, which would have added benefits in that officers would not need to travel on site. This would also allow them to manage incidents at the location of the incident, where applicable.

#### General Benefits

- 2.15 In addition to the operational benefits identified above, a number of senior managers may well benefit from having an I-pad as an alternative to a blackberry device. In particular this would:-
- Allow officers to access all documents for a meeting direct from their I Pad rather than use paper, with an associated reduction in printing
  - Allow officers to be more productive when away from the office with access to more detailed reports and other documents
  - Provide more secure storage for accessing key confidential documents away from the office rather than using paper copies.

2.16 The costs of the proposed solution are set out in detail below.

	Forensics Collaboration	Derbyshire Police	Total
<b><u>Hardware Costs</u></b>			
Server	10,000	10,000	20,000
Lincences	2,500	2,500	5,000
Purchase of Cases	4,000	0	4,000
<b>Total Hardware Costs</b>	<b>16,500</b>	<b>12,500</b>	<b>29,000</b>
<b><u>Set Up Costs</u></b>			
Set Up Fee	5,000	5,000	10,000
Development of 3 Apps	10,000	20,000	30,000
Professional Services	5,000	5,000	10,000
Total Set Up Costs	20,000	30,000	50,000
Purchase of Devices @ £333.75	16,688	16,688	33,375
<b>Total Set Up Costs (O2)</b>	<b>36,688</b>	<b>46,688</b>	<b>83,375</b>
<b>Total</b>	<b>53,188</b>	<b>59,188</b>	<b>112,375</b>
<b><u>Annual Costs</u></b>			
Support	12,500	12,500	25,000
Device Security Costs	1,410	1,410	2,820
Encryption Costs	2,700	2,700	5,400
Data Costs	4,500	4,500	9,000
<b>Total Annual Costs</b>	<b>21,110</b>	<b>21,110</b>	<b>42,220</b>

2.17 The costs for forensics services are estimated at £53,188 and will provide 1 application and 50 I Pad tablets. It is proposed that this cost is met from the current 2013/14 Forensics budget. This can be accommodated within the existing Forensics budget

2.18 The current budget shows a potential commitment of £166,000 that was highlighted for delivery of central CSI tasking. This doesn't form part of the identified under spend as it was anticipated that in year 1 it would be used to set up the facility and the required ICT. Part of this could therefore be used for this purpose and still deliver the estimated under-spend at a regional level.

- 2.19 The estimated costs for the Derbyshire Solution would be some £59,188, which would deliver 2 applications and 50 devices for distribution to CIMs, Commissioner's Office and Senior Offices/Managers
- 2.20 The costs of this solution would be offset by withdrawing blackberry devices from these users and replacing them with basic mobile phones for voice calls.
- 2.21 Overall, it is proposed to place an order for O2 totalling some £83,000 with ongoing 3 year costs estimated at £42,000 per annum to implement the solution set out within this paper. This would be let under existing framework arrangement with O2 for the delivery of these services.
- 2.22 O2 is the only provider currently who can offer the appropriate level of coverage across the three force footprint of this collaboration.

### 3. **RECOMMENDATIONS**

- i. That the Commissioner approves a single supplier contract under the existing framework arrangement for the provision of mobile tablet technology and associated hardware and software.

### 4. **IMPLICATIONS**

	LOW	MEDIUM	HIGH
Crime & Disorder		x	
Environmental	X		
Equality & Diversity	X		
Financial		x	
Health & Safety	X		
Human Rights	X		
Legal	X		
Personnel	X		

<b>Contact details in the event of enquiries</b>	<b>Name: Chief Superintendent Kul Mahay External telephone number: 01773 572020 Email address: sgbenquiries@derbyshire.pnn.police.uk</b>
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### **ATTACHMENTS**

Annex A - Business Case Forensics Services

## Business Case

O2 Mobile Solution	EMSOU - Forensic Services
Background	<p>The EMSOU- FS collaboration has been in operation since April 2012 and aims to provide an efficient and effective end to end forensic service across Lincolnshire, Derbyshire and Nottinghamshire police force areas.</p> <p>The collaboration has been designed to deliver significant cost savings and therefore it is essential that the operating model is streamlined and needs to be able to deliver throughout the forensic supply chain efficiently both in terms of timeliness and user input.</p> <p>In support of this it is critical that the ICT infrastructure is fit for purpose whilst representing value for money.</p> <p>Much progress has been made to re-engineer the IT infrastructure to support an integrated service and many obstacles have been overcome to allow forensic staff to access systems across force ICT boundaries.</p> <p>The final element of the solution is the introduction of mobile capability for CSIs to enable them to be fully and effectively deployed 'in the field' and to digitally transmit forensic information and evidence from the scene in real time.</p> <p>Much work has been done in conjunction with IS colleagues to identify a secure, effective and affordable solution. This work has now come to fruition and a preferred solution has been identified working with O2 and partners; this business case requests that consideration be given to the procurement of this end to end solution for delivery into the forensic supply chain.</p> <p>The initial set-up costs and ongoing revenue costs can be met from the current EMSOU-FS allocation, and has largely been planned in from the outset.</p>
Objectives	<p>The objectives of this piece of work are to deliver an ICT infrastructure that:</p> <ul style="list-style-type: none"> <li>• fully supports a mobile CSI capability, including central tasking, updating of systems and the capture and transmission of images in appropriate formats.</li> <li>• is compliant with security and legal obligations.</li> <li>• Is affordable</li> </ul>

NPIA Fingerprint Collaboration Project Mandate

O2 Mobile Solution	EMSOU - Forensic Services																																																						
	<ul style="list-style-type: none"> <li>• Can be delivered in a timescale acceptable to stakeholders.</li> <li>• Can be used as an exemplar to inform the wider regional mobile data strategy.</li> </ul>																																																						
Solution and costs	<p>Work over the last 12 months has identified a solution that can be delivered in 2 phases into EMSOU-FS.</p> <p>Derbyshire IS is already in partnership with O2 as part of their data strategy. The proposed solution here is to further that partnership with O2 and their partner organisations (Zenprise and Feed Henry) to deliver an end to end solution.</p> <p>The solution is device agnostic, flexible and lacks the complexity associated with many bespoke systems; therefore could be attractive to many business areas. IS have identified this solution with this in mind.</p> <p>The infrastructure is based on Cloud technology and is therefore cutting edge and future proofed. The security element has been fully discussed with the force Information Security Officers and once built will meet their requirements.</p> <p>In the case of forensics the preferred device has been identified as the new iPad (possibly moving to the iPad mini in future iterations). These devices are relatively cheap and have the required functionality, particularly in relation to image capture.</p> <p>Numbers are based on a theoretical maximum number of deployments and not personal issue in order to ensure value for money.</p> <p>A summary of the costs are below:</p> <p>Set up costs:</p> <table border="1" data-bbox="432 1361 1174 2000"> <thead> <tr> <th></th> <th>Capital</th> <th>Revenue</th> </tr> </thead> <tbody> <tr> <td><b>Set-up Costs</b></td> <td></td> <td></td> </tr> <tr> <td>Server</td> <td>£10,000</td> <td></td> </tr> <tr> <td>Software</td> <td>£2,500</td> <td></td> </tr> <tr> <td>Private Cloud set-up</td> <td>£5,000</td> <td></td> </tr> <tr> <td>Professional Fees</td> <td>£5,000</td> <td></td> </tr> <tr> <td>App development</td> <td>£10,000</td> <td></td> </tr> <tr> <td>iPads x 50</td> <td>£16,688</td> <td></td> </tr> <tr> <td>Ruggedized cases x 50</td> <td>£4,000</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Revenue</b></td> <td></td> <td></td> </tr> <tr> <td>Support</td> <td></td> <td>£12,500</td> </tr> <tr> <td>Device Security Costs</td> <td></td> <td>£1,410</td> </tr> <tr> <td>Encryption Costs</td> <td></td> <td>£2,700</td> </tr> <tr> <td>Data Costs</td> <td></td> <td>£4,500</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Total</b></td> <td><b>£53,188</b></td> <td><b>£21,110</b></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Capital	Revenue	<b>Set-up Costs</b>			Server	£10,000		Software	£2,500		Private Cloud set-up	£5,000		Professional Fees	£5,000		App development	£10,000		iPads x 50	£16,688		Ruggedized cases x 50	£4,000					<b>Revenue</b>			Support		£12,500	Device Security Costs		£1,410	Encryption Costs		£2,700	Data Costs		£4,500				<b>Total</b>	<b>£53,188</b>	<b>£21,110</b>			
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NPIA Fingerprint Collaboration Project Mandate

<b>O2 Mobile Solution</b>		EMSOU - Forensic Services
	<p>Note: the iPads and covers will be sourced through framework agreements and not via O2.</p> <p>There are additional costs associated with linking the iPads to the forensic case management system (Socrates) but these have already been paid for through the Socrates contract on a call off consultancy basis.</p> <p>Whilst this business case assumes that EMSOU-FS would fund the set-up and revenue costs from their budget, the items shaded may well be shared across departments if the solution is extended; this is the subject of ongoing discussions with IS.</p>	
<b>Business Benefits</b>	<p>The two main business benefits are as follows:</p> <ul style="list-style-type: none"> <li>• To enable as near to real time forensics as possible, delivering information and fingerprints directly to the point of analysis from the crime scene. This reduces bureaucracy and speeds up the identification of suspects.</li> <li>• Increases the productivity of CSIs, allowing real time, and more effective, tasking and an increase in the number of scene examinations with potential forensic evidence. The increased productivity could either translate into a cash saving in released capacity in CSI numbers or increased positive outcomes estimated at up to 1000 more identifications across the 3 forces per year.</li> </ul> <p>These benefits would lead to a number of 'softer' benefits, including better and greater victim experience/ interaction, reduction in officer investigation time and reduced administration time and cost.</p>	
<b>Key Risks</b>	<p>The main risks are:</p> <ul style="list-style-type: none"> <li>• Effective implementation with CSIs in the field. This will be monitored and mitigated through comms, effective training and a performance framework.</li> <li>• Timescales for delivery. IS have built a productive partnership with O2 and, on procurement, a timeline will be agreed and robustly managed.</li> </ul>	

**Authority to proceed:**

Decision of Authority	
Name & Role of Authority	

NPIA Fingerprint Collaboration Project Mandate

Signature of Authority	
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