

18 April 2019

**IN THE FIRST TIER TRIBUNAL
GENERAL REGULATORY CHAMBER
(INFORMATION RIGHTS)**

Appeal nos: EA.2018.0164 and 0170

B E T W E E N :

PRIVACY INTERNATIONAL

Appellant

-and-

(1) THE INFORMATION COMMISSIONER'S OFFICE

(2) COMMISSIONER OF THE METROPOLITAN POLICE

(3) POLICE AND CRIME COMMISSIONER FOR WARWICKSHIRE

Respondents

**FIRST WITNESS STATEMENT OF
AILIDH CALLANDER**

I, Ailidh Callander, Legal Officer, Privacy International, 62 Britton Street, London EC1M 5UY, say as follows:

I. INTRODUCTION

1. I am a Legal Officer with Privacy International. I have worked on issues related to privacy and surveillance as a Legal Officer at Privacy International since September 2017. I am a Scots Law qualified solicitor admitted to the Roll of Solicitors in Scotland since November 2015.
2. Privacy International is a non-profit, non-governmental organisation based in London, which defends the right to privacy around the world. Privacy International conducts research and investigations into government and corporate surveillance activities with a focus on the policies and technologies that enable these practices.
3. Where the contents of this statement are within my knowledge, I confirm that they are true; where they are not, I have identified the source of the relevant information, and I confirm that they are true to the best of my knowledge and belief.

4. I exhibit to this statement a bundle of documents labelled “AC1/x/y”, where ‘x’ is the exhibit number and ‘y’ is the exhibit page number.

II. INFORMATION IN THE PUBLIC DOMAIN ABOUT IMSI CATCHERS

5. There exists a significant amount of information in the public domain about IMSI catchers. This information falls broadly into two categories. First, there has been widespread reporting about UK police force purchase and/or use of IMSI catchers, based predominantly on records that various police forces have voluntarily published on their respective websites. Second, there has also been broad reporting about IMSI catchers in general, including their technical specifications and operational capabilities.

A. Public Reporting about Police Force Purchase and/or Use of IMSI Catchers

6. The public has already been able to learn about the purchase and/or use of IMSI catchers by specific police forces through news reports in local and national media outlets. These reports have documented which forces have purchased IMSI catchers with reference to financial documents and other public records, which, in many cases, were voluntarily published by these forces on their websites.
7. In 2011, *The Guardian* published an article reporting that the Metropolitan Police Service (“MPS”) had purchased IMSI catchers “from Leeds-based company Datong plc”, which could “emit a signal over an area of up to an estimated 10 sq km, forcing hundreds of mobile phones per minute to release their unique IMSI and IMEI identity codes, which can be used to track a person’s movements in real time.”¹ The article also states that in February 2011, Datong “was paid £8,373 by Hertfordshire Constabulary according to a transaction report released under freedom of information”.
8. In November 2014, *The Times* also reported that the MPS uses IMSI catchers.² *The Times* reported that in addition to the MPS, the National Crime Agency (“NCA”) and

¹ Ryan Gallagher & Rajeev Syal, “Met Police Using Surveillance System to Monitor Mobile Phones”, *The Guardian*, 30 Oct. 2011, <https://www.theguardian.com/uk/2011/oct/30/metropolitan-police-mobile-phone-surveillance> (last accessed on 16 April 2019) (Exhibit AC1/1/14-16).

² Sean O’Neill, “Police Sweep Up Phone Data with Secret Snooping Device”, *The Times*, 1 Nov. 2014, <https://www.thetimes.co.uk/article/police-sweep-up-phone-data-with-secret-snooping-device-cl8thpfsd8v> (Exhibit AC1/2/18-20); see also Chris Pleasance, “Police Use Controversial Snooping Technology to ‘Hack into Thousands of Innocent People’s Mobile Phones’”, *Daily Mail*, 1 Nov. 2014, <https://www.dailymail.co.uk/news/article-2816771/Police-using-controversial-snooping-technology-hack-thousands-innocent-people-s-mobile-phones.html> (Exhibit AC1/3/22-24) (both last accessed on 16 April 2019).

“other larger police forces are also thought to deploy IMSI catchers”.

9. In June 2015, Sky News published an article detailing an investigation, which revealed that IMSI catchers are in operation across London.³ Using software manufactured by BMSK Cryptophone, a German security company, Sky News tested for *“tell-tale signs of [IMSI catcher] activity”* and ultimately found *“[o]ver three weeks...more than 20 instances in London”*. Following the publication of the Sky News article, numerous other outlets picked up on the story, including the BBC,⁴ *The Independent*,⁵ and *The Telegraph*.⁶
10. In January 2016, *Vice News* published an article also detailing an investigation, which revealed that IMSI catchers are in operation across London.⁷ That investigation found signs of IMSI catchers in use at several locations, *“including UK parliament, a peaceful anti-austerity protest, and the Ecuadorian embassy”*. The former Chief Surveillance Inspector with the Office of Surveillance Commissioners, Sam Lincoln, was quoted as saying that IMSI catchers are *“a fairly common tactic that is used by police”*. As to whether IMSI catchers had been used at protests, Lincoln stated: *“certainly there appears to be enough evidence in the public domain to suggest that they have been used in that way before, yes”*. David Davis, a Conservative MP, was quoted as saying that *“there are intelligence agencies, police agencies in other countries who are our allies, who are dealing with the same threats who are much more open about it.”*
11. In October 2016, the independent media cooperative, *The Bristol Cable*, reported on the purchase of IMSI catchers by seven police forces: Avon & Somerset Police, the MPS, South Yorkshire Police, Staffordshire Police, Warwickshire Police, West Mercia Police,

³ Tom Cheshire, “Fake Mobile Phone Towers Operating in the UK”, *Sky News*, 9 June 2015, <https://news.sky.com/story/fake-mobile-phone-towers-operating-in-the-uk-10356433> (last accessed on 16 April 2019).

⁴ “Mass Snooping Fake Mobile Towers ‘Uncovered in UK’”, *BBC News*, 10 June 2015, <https://www.bbc.co.uk/news/business-33076527> (last accessed on 16 April 2019).

⁵ Paul Gallagher, “Fake Mobile Phone Towers Found to Be ‘Actively Listening In’ on Calls in UK”, *The Independent*, 10 June 2015, <https://www.independent.co.uk/news/uk/home-news/fake-mobile-phone-towers-found-to-be-actively-listening-in-on-calls-in-uk-10311525.html> (last accessed on 16 April 2019).

⁶ David Barrett, “Fake Mobile Phone Masts Spy on Your Calls”, *The Telegraph*, 10 June 2015, <https://www.telegraph.co.uk/news/uknews/law-and-order/11665110/Fake-mobile-phone-masts-spy-on-your-calls.html> (last accessed on 16 April 2019).

⁷ Ben Bryant, “VICE News Investigation Finds Signs of Secret Phone Surveillance across London”, *VICE News*, 14 Jan. 2016, https://news.vice.com/en_us/article/bjkdww/vice-news-investigation-finds-signs-of-secret-phone-surveillance-across-london (last accessed on 16 April 2019). For the accompanying video piece, see “Phone Hackers, Britain’s Secret Surveillance”, *VICE News*, 14 Jan. 2016, https://news.vice.com/en_us/article/9kxe7/phone-hackers-britains-secret-surveillance (last accessed on 16 April 2019).

and West Midlands Police.⁸

12. The purchase of IMSI catchers by Staffordshire Police, Warwickshire Police, West Mercia Police and West Midlands Police was documented in the minutes of an 'Alliance Governance Group'⁹ meeting held on 26 May 2016, originally published on Warwickshire Police's website.¹⁰ These minutes are available online¹¹ and are reproduced at Exhibit AC1/4/26-35. Under the sub-heading "*Covert Communications Data Capture (CCDC) Replacement*", the minutes note: "*Within the West Midlands region both West Midlands and Staffordshire Police have recently purchased and operated 4G compatible CCDC equipment. Both have purchased the same equipment from the company referred to as option 3.*" The minutes document the purchase of "4G compatible CCDC equipment" by West Midlands and Staffordshire Police and the purchase of new CCDC equipment by Warwickshire and West Mercia Police.
13. That the term 'CCDC' is a code word used by the police to refer to IMSI catchers is confirmed both by the phrase 'covert communications data capture' as well as by the reference to the 4G network (a particular generation of mobile network technology used by mobile phone network operators); the reference to the 4G network being relevant since IMSI catchers act as false mobile base stations, inserting themselves into a mobile phone network. The *Bristol Cable* investigation unearthed further evidence confirming that the term 'CCDC' refers to IMSI catchers. In a document entitled 'Draft Capital Programme 2014/15-2019/20' by South Yorkshire Police, published on its website and by *The Bristol Cable*, a budget item called "*IMSI Covert Communications*" was allocated £144,000 under "*Routine Schemes – Asset Replacement / Management*". This document is available online¹² and is reproduced at Exhibit AC1/5/37-40. Later in that same document, that exact same amount of money is allocated to the line item "*CCDC*"

⁸ Alon Alviram, "Revealed: Bristol's Police and Mass Mobile Phone Surveillance", *The Bristol Cable*, 10 Oct. 2016, <https://thebristolcable.org/2016/10/imsi/> (last accessed on 16 April 2019). Following publication of the *Bristol Cable* article, a number of the police forces reported on took down documents from their websites or redacted documents that were cited in the article. See *Motherboard's* article on the same: https://motherboard.vice.com/en_us/article/qkjinbw/uk-cops-are-trying-to-remove-spy-gear-records-from-the-web (last accessed on 16 April 2019).

⁹ The Alliance Governance Group consists of the Warwickshire PCC and the West Mercia PCC, and their respective Chief Executives and Chief Officers. See Policing Alliance and How It's Governed, West Mercia PCC, <https://www.westmercia-pcc.gov.uk/key-information/policing-alliance-and-how-its-governed/> (last accessed on 16 April 2019).

¹⁰ These minutes have since been removed from Warwickshire Police's website.

¹¹ <https://thebristolcable.org/wp-content/uploads/2016/10/09-imsi-4.pdf> (last accessed on 16 April 2019).

¹² <https://thebristolcable.org/wp-content/uploads/2016/10/09-imsi-5.ods> (at Annex F) (last accessed on 16 April 2019).

under “*Innovation Fund*”. *The Bristol Cable* journalist told me that South Yorkshire Police confirmed that “*IMSI Covert Communications*” and “*CCDC*” were the same budget item.

14. The *Bristol Cable* investigation also revealed purchases of IMSI catchers by two additional police forces – Avon & Somerset Police and the MPS. The Avon & Somerset Police purchase was documented in a spreadsheet listing contracts entered into by the Avon & Somerset PCC and dated 5 May 2016, originally published on the PCC’s website. This spreadsheet is available online¹³ and is reproduced at Exhibit AC1/6/42-45. That spreadsheet reveals a contract with CellXion for “*CCDC equipment*” for the value of £169,575.
15. The MPS purchase of IMSI catchers was documented in a spreadsheet listing “*Contracts over £50,000 for October to December (Q3) 2015-16*”, originally published on the MPS website. This spreadsheet is online¹⁴ and is reproduced at Exhibit AC1/7/47-51. The spreadsheet reveals a contract with CellXion for “*CCDC equipment*” for the value of £1,037.223.
16. Following the publication of the *Bristol Cable* article, numerous other outlets picked up on the story, including *The Guardian*.¹⁵ *The Guardian* article featured statements by several PCCs in response to the reporting by *The Bristol Cable*, two of which (West Mercia PCC and Staffordshire PCC) acknowledged that their respective forces used IMSI catchers.
17. In March 2017, the online magazine, *Motherboard*, published an article focusing on UK police purchase of IMSI catchers from the UK-based surveillance technology company CellXion.¹⁶ It cited the *Bristol Cable* reporting documented purchases of IMSI catchers from CellXion by Avon & Somerset Police and the MPS. It also revealed that public records, published on West Midlands Police’s website, indicated that that force had also “*paid Cellxion a number of times, including for training*”. These records are available

¹³ <https://thebristolcable.org/wp-content/uploads/2016/10/09-imsi-2.pdf> (last accessed on 16 April 2019).

¹⁴ <https://thebristolcable.org/wp-content/uploads/2016/10/09-imsi-3.pdf> (last accessed on 16 April 2019).

¹⁵ David Pegg & Rob Evans, “Controversial Snooping Technology ‘Used by at Least Seven Police Forces’”, *The Guardian*, 10 Oct. 2016, <https://www.theguardian.com/world/2016/oct/10/controversial-phone-snooping-technology-imsi-catcher-seven-police-forces> (last accessed on 16 April 2019).

¹⁶ Joseph Cox, “This Company Has Sold £1 Million Worth of Cellphone-Spying Devices to UK Police”, 2 Mar. 2017, *Motherboard*, https://motherboard.vice.com/en_us/article/pgwd5z/this-company-has-sold-pound1-million-worth-of-cellphone-spying-devices-to-uk-police (last accessed on 16 April 2019).

online¹⁷ and a sample is reproduced at Exhibit AC1/8/53-60. The article cited the following statement from CellXion's 2015 annual report: "*market share within key law enforcement customers increased again this year, cementing the company's position within the UK market place.*"¹⁸

18. In May 2017, *Motherboard* documented that Essex Police had allocated £145,000 to "*CCDC Platform Equipment*".¹⁹ The allocation of funds for the purchase of IMSI catcher equipment is detailed in a 2016/17 budget summary by Essex Police, published on its website. The budget summary is available online²⁰ and the relevant part is reproduced at Exhibit AC1/9/62.
19. The 2016/17 budget summary indicates that the allocation of funds for the purchase of IMSI catcher equipment is "*joint with Kent*". It also refers to the acronym 'SCD', which *Motherboard* reported "*appears to refer to the Serious Crime Directorate, a joint command between Kent and Essex Police*". The *Motherboard* article further documents that Kent Police have made public mention of 'Covert Communications Data Capture'. In particular, Kent Police's 2015-2016 Audited Statement of Accounts, which was published on the force's website, refers to 'Covert Communications Data Capture' as an "*Intangible Asset*". This statement is available online²¹ and the relevant part is reproduced at Exhibit AC1/10/64-65.

B. Public Reporting about IMSI Catchers

20. The public has also been able to learn about IMSI catchers more generally, including their technical specifications and operational capabilities, through public reporting.
21. A number of media outlets have published detailed information about IMSI catchers,

¹⁷ <https://www.documentcloud.org/documents/3478781-West-Midlands-Police-March-2015-Expenditure-Info.html>; <https://www.documentcloud.org/documents/3478782-West-Midlands-October-2015-Expenditure-Info.html>; <https://www.documentcloud.org/documents/3478783-West-Midlands-Police-April-2015-Expenditure-Info.html>; <https://www.documentcloud.org/documents/3478784-West-Midlands-Police-Expenditure-500-nov13.html> (all last accessed on 16 April 2019).

¹⁸ <https://www.documentcloud.org/documents/3478775-Cellxion-Annual-Report-October-2015.html#document/p3/a340922> (last accessed on 16 April 2019).

¹⁹ Joseph Cox, "More UK Police Put Cash Down for IMSI Catchers," *Motherboard*, 30 May 2017, https://motherboard.vice.com/en_us/article/7xz5pq/more-uk-police-put-cash-down-for-imsi-catchers (last accessed on 16 April 2019).

²⁰ <https://www.documentcloud.org/documents/3760063-Essex-Police-Precept-Proposal-Appendices-a-to-F.html#document/p4/a355636>; (last accessed on 16 April 2019).

²¹ <https://www.documentcloud.org/documents/3760064-Kent-Police-Group-Accounts-for-the-Police-and.html#document> (last accessed on 16 April 2019).

including their technical specifications and operational capabilities. One prominent example is a September 2016 article in *The Intercept*, which published a “120-page catalogue of spy equipment, originating from British defence firm Cobham and circulated to U.S. law enforcement”.²² The publication of the Cobham catalogue is particularly notable because Cobham is a UK-based surveillance technology company and it has been previously documented that at least two UK public authorities (the Ministry of Defence and the Scottish Prison Service) have trialled or purchased equipment from Cobham. See paragraphs 27(a) & (b).

22. The Cobham catalogue includes a section dedicated to IMSI catchers. The catalogue is available online²³ and an excerpt is reproduced at Exhibit AC1/11/67-72. The catalogue illustrates the broad range of IMSI catchers that Cobham manufactures, from the GSM-XPZ HP Plus, which, according to *The Intercept*, can “be operated via a hand-held device”, to the 3G-N, which is “comparable to cellular antennae constructed” by a major network provider. The catalogue provides detailed descriptions of the technical capabilities of these different IMSI catchers, including how they identify mobile phones, deny coverage, and intercept communications.
23. Privacy International has been conducting and publishing research on surveillance technology for over two decades. In particular, we created and continue to maintain a large, publicly available database on the surveillance technology industry, called the Surveillance Industry Index (“SII”).²⁴ SII contains data and documents both about the companies producing surveillance technology and the products they manufacture, including IMSI catchers. SII is based on data collected by journalists, activists and researchers around the world. It is completely searchable and features over 1500 brochures and data on over 520 surveillance companies.²⁵

²² Sam Biddle, “Leaked Catalogue Reveals a Vast Array of Military Spy Gear Offered to U.S. Police”, *The Intercept*, 1 Sept. 2016, <https://theintercept.com/2016/09/01/leaked-catalogue-reveals-a-vast-array-of-military-spy-gear-offered-to-u-s-police/> (last accessed on 16 April 2019).

²³ <https://www.documentcloud.org/documents/3038285-2014-Cobham-TCS-Catalog.html> (last accessed on 16 April 2019).

²⁴ <https://web.archive.org/web/20190401133505/https://sii.transparencytoolkit.org/> (capture as of 1 April 2019) and Joseph Cox, “Privacy Activists Launch Database to Track Global Sales of Surveillance Tech”, *Motherboard*, 2 August 2016, https://motherboard.vice.com/en_us/article/qkznm/privacy-activists-launch-database-to-track-global-sales-of-surveillance-tech (last accessed on 17 April 2019).

²⁵ In 2016, Privacy International published a report called “The Global Surveillance Industry”, which charts the development of the surveillance technology industry and attempts to provide an accessible introduction to the types of technologies then on offer (available at

24. There are 104 UK companies in the SII, a significant percentage of which specialise in manufacturing mobile phone surveillance equipment. Among the companies featured in the SII are CellXion, Cobham and Datong, which have all been publicly documented or reported to have trialled or sold IMSI catchers to UK public authorities. See paragraphs. 7, 14-15, 17, 27(a) & (b).
25. The SII includes several CellXion brochures featuring a range of IMSI catchers and setting out their technical capabilities in detail.²⁶ An excerpt of the brochure describing one IMSI catcher – the UGX Penta – as an example is available online²⁷ and is reproduced at Exhibit AC1/12/74-76.
26. The SII also includes a range of Cobham materials,²⁸ including a series of slides entitled “Tactical Lawful Intercept”,²⁹ which explain how IMSI catchers work. The Cobham slides also describe how its IMSI catchers conduct man-in-the-middle attacks to intercept voice and SMS communications. This brochure is available online³⁰ and an extract is reproduced at Exhibit AC1/13/78-95.

III. UK PUBLIC AUTHORITIES THAT HAVE CONFIRMED THEIR PURCHASE AND/OR USE OF IMSI CATCHERS AND DISCLOSED RELEVANT INFORMATION

27. A number of UK public authorities have publicly confirmed their purchase and/or use of IMSI catchers. In some instances, these bodies have also disclosed relevant information. These bodies include:

https://privacyinternational.org/sites/default/files/2017-12/global_surveillance_0.pdf (last accessed on 16 April 2019)).

²⁶ https://sii.transparencytoolkit.org/docs/Cellxionsii_companies, temporarily unavailable on 17 April 2019.

²⁷ https://sii.transparencytoolkit.org/docs/Cellxion_UGX-Optima-Platform-UGX-Series-330-UGX-Penta-UGX-Quadra-GX-Duo-UGX-Series-332_Product-Listsii_documents, temporarily unavailable on 17 April 2019.

document also available at <https://www.documentcloud.org/documents/810703-202-cellxion-product-list-ugx-optima-platform.html> (last accessed on 17 April 2019).

²⁸ https://sii.transparencytoolkit.org/docs/Cobhamsii_companies, temporarily unavailable on 17 April 2019.

²⁹ https://sii.transparencytoolkit.org/docs/Cobham_Tactical-Active-Systems_Tactical-Lawful-Intercept_Presentationsii_documents, temporarily unavailable on 17 April 2019; document also available at <https://www.documentcloud.org/documents/409159-43-200906-iss-prg-cobham.html> (last accessed on 17 April 2019).

³⁰ https://sii.transparencytoolkit.org/docs/Cobham_Tactical-Active-Systems_Tactical-Lawful-Intercept_Presentationsii_documents, temporarily unavailable on 17 April 2019; document also available at <https://www.documentcloud.org/documents/409159-43-200906-iss-prg-cobham.html> (last accessed on 17 April 2019).

- a. The Ministry of Defence (“**MOD**”). A March 2017 *Motherboard* article³¹ disclosed that in a September 2015 response to a request under FOIA, the Ministry of Defence confirmed that it had a number of contracts with CellXion, in addition to two other companies, all three of which manufacture IMSI catchers. In response to the request, the MOD stated that it “*can confirm that some information in scope of [the] request is held.*” In particular, it noted that it had “*previously advised...that the MOD had held a contract with ForensicTS*” and that it had “*identified a very small number of contracts with Cellxion.*” In addition, the MOD provided “[a] list of contracts between the MOD and Cobham, against which payments have been made over the last ten years.” The MOD’s response is available online³² and is reproduced at Exhibit AC1/14/97-123.
- b. The Scottish Prison Service (“**SPS**”) confirmed its use of IMSI catchers in response to a freedom of information request from *The Ferret*, a Scottish independent investigative journalism platform in or around May 2016.³³ The SPS responded to the request by disclosing a report that it had spent £1.2 million trailing the use of IMSI catchers in two Scottish prisons, HMP Shotts and HMP Glenochil. The report is available online³⁴ and is reproduced at Exhibit AC1/15/125-136. The SPS also confirmed that at the time of its response it owned one IMSI catcher “*permanently deployed 24/7 in one of our prisons*” and had spent “*£32,827 ex VAT on maintenance and support*” for that equipment. The response is available online³⁵ and is reproduced at Exhibit AC1/16/138-139. In a subsequent freedom of information response (also available online³⁶ and reproduced at Exhibit AC1/17/141-144), the Scottish Prison Service indicated,

³¹ Joseph Cox, “This Company Has Sold £1 Million Worth of Cellphone-Spying Devices to UK Police”, 2 Mar. 2017, *Motherboard*, https://motherboard.vice.com/en_us/article/pgwd5z/this-company-has-sold-pound1-million-worth-of-cellphone-spying-devices-to-uk-police (last accessed on 16 April 2019).

³² <https://www.documentcloud.org/documents/3478777-20150903-FOI2015-06621-Cellxion-Cobham-Contracts.html> (last accessed on 16 April 2019).

³³ “Prisoners Outwit £1.2m Mobile Phone Blocking Technology”, *The Ferret*, 25 May 2016, <https://theferret.scot/imsi-catcher-trial-scottish-prison-service/> (last accessed on 16 April 2019).

³⁴ <https://www.documentcloud.org/documents/2841075-SPS-IMSI-Catcher-Evaluation-Report-SEP-2015.html#document/p1> (last accessed on 16 April 2019).

³⁵ <https://www.documentcloud.org/documents/2842177-HQ-16002-a-Tibbitt-Response.html?embed=true&responsive=false&sidebar=false> (last accessed on 16 April 2019).

³⁶ <https://www.documentcloud.org/documents/2842174-HQ-16022-a-Tibbitt.html?embed=true&responsive=false&sidebar=false> (last accessed on 16 April 2019).

that “IMEI & IMSI numbers are recorded with a date and time stamp”. In May 2017, *Motherboard* published a contract between the SPS and an IMSI catcher vendor, which it obtained from the SPS in response to a FOISA request.³⁷ The contract is available online³⁸ and an extract is reproduced at Exhibit AC1/18/146-154. The vendor is Cobham, the same UK-based surveillance technology company the MOD confirmed contracting with. The contract describes technical specifications required of the IMSI catcher including, for example, that it has capacity to deny network access to a minimum of 50 mobile phones, what data it collects from phones, and that it can intercept and record the content of communications.

IV. UK POLICE FORCE CONFIRMATION OF PURCHASE AND/OR USE OF OTHER SURVEILLANCE TECHNOLOGY AND DISCLOSURE OF RELEVANT RECORDS

28. UK police forces have confirmed their purchase and/or use of a range of other invasive surveillance technologies and disclosed relevant records related to these technologies in response to FOIA requests.

29. By way of example, in March 2018, Privacy International published a report, which documents the purchase and use of mobile phone extraction technology by UK police forces.³⁹ The report was based on responses to FOIA requests, seeking information about police purchase and use of mobile phone extraction technology, the companies that have supplied this technology, and any related guidance or policies. Of the 47 police forces contacted, the vast majority confirmed whether they use mobile phone extraction technology (26 confirmed use, 8 forces confirmed non-use). Many of the forces revealed which companies provided the technology together with additional information related to contracts, purchase orders, guidance and policies. Avon & Somerset Police disclosed both a purchase order and contract with the company Cellebrite. These documents are

³⁷ Joseph Cox, “Here Is the Contract for the UK’s First Confirmed IMSI Catcher”, *Motherboard*, 13 Sept. 2016, https://motherboard.vice.com/en_us/article/wnxpmw/here-is-the-contract-for-the-uks-first-confirmed-imsi-catcher (last accessed on 16 April 2019).

³⁸ <https://www.documentcloud.org/documents/3106585-SPS-and-Cobham-Contract-for-IMSI-Catcher.html> (last accessed on 16 April 2019).

³⁹ <https://privacyinternational.org/sites/default/files/2018-03/Digital%20Stop%20and%20Search%20Report.pdf> (last accessed on 16 April 2019).

available online⁴⁰ and are reproduced at Exhibit AC1/19/156-168. Eight police forces turned over local guidance and policies related to their use of mobile phone extraction technology. These documents are available online⁴¹ and a sample is reproduced at Exhibit AC1/20/170-201.

30. To similar effect, in August 2018, Privacy International sent FOIA requests to every police force in the UK, seeking information about their use of technology to examine “*Internet of Things*” devices, the companies that have supplied this technology, and any related guidance or policies.⁴² “*Internet of Things*” devices are the ever-increasing array of physical devices and everyday objects capable of connecting to the internet such as smart TVs, smart household appliances, smart watches, etc. Of the 47 police forces contacted, 14 confirmed that they have the capability to examine IoT devices and one confirmed no such capacity. Several of the forces revealed further information, including which technology they use to conduct such examinations; the type of data extracted; and what legislation and internal guidance, if any, they were relying upon to use technology to examine IoT devices. A sampling of these responses is available at Exhibit AC1/21/203-214.
31. In January 2019, Liberty published the report “Policing by Machine: Predictive Policing and the Threat to Our Rights”, which documents the use of predictive policing technology by UK police forces.⁴³ The report was based in part on FOIA requests sent to every police force in the UK, seeking information about their purchase and use of predictive policing technology, the companies that have supplied this technology, and

⁴⁰<https://www.documentcloud.org/documents/4357434-Avon-and-Somerset-FOI-Part-2-Purchase-Order.html>; <https://www.documentcloud.org/documents/4357435-Avon-and-Somerset-FOI-Part-2-Terms-amp-Conditions.html> (both last accessed on 16 April 2019).

⁴¹ <https://www.documentcloud.org/documents/4348928-Derbyshire-120-17-Guidande-Re-Kiosk-Use.html>; <https://www.documentcloud.org/documents/4348939-Gwent-20170130105619003.html>; <https://www.documentcloud.org/documents/4348952-MET-Redacted-Self-Service-Equipment-Kiosk-Local.html>; <https://www.documentcloud.org/documents/4348953-MET-Control-Strategy-v1-0-Ppt.html>; <https://www.documentcloud.org/documents/4357425-Norfolk-Suffolk-POLICY.html>; <https://www.documentcloud.org/documents/4348960-Northumbria-FOI-056-17-Guidance.html>; <https://www.documentcloud.org/documents/4349068-Wiltshire-Attachment-to-FOI-2017-040.html>; <https://www.documentcloud.org/documents/4349065-West-Yorkshire-POLICY-EXTRACT.html> (all last accessed on 16 April 2019).

⁴² IoT devices refer to an ever-increasing array of physical devices and everyday objects capable of connecting to the internet such as smart TVs, smart household appliances, smart watches, etc.

⁴³ Liberty, “Policing by Machine: Predictive Policing and the Threat to Our Rights”, January 2019, <https://www.libertyhumanrights.org.uk/sites/default/files/LIB%2011%20Predictive%20Policing%20Report%20WEB.pdf> (last accessed on 16 April 2019).

any related guidance or policies.⁴⁴ Of the 45 police forces contacted, the vast majority confirmed whether they use predictive policing technology (14 confirmed use, 18 confirmed non-use). Several of the forces revealed further information, including what software they were using; whether they were developing the technology with non-commercial partners or in-house; and certain details of how the technology operates. A sampling of these responses is reproduced at Exhibit AC1/22/216-233.

Statement of Truth

I believe that the facts stated in this witness statement are true.

[REDACTED]

Ailidh Callander

Dated this 18. day of April 2019

⁴⁴ Predictive policing technology refers to the use of analytical techniques to 'predict' criminal activity.

EXHIBIT AC1/1

Article by Ryan Gallagher and Rajeev Syal, "*Met Police Using Surveillance System to Monitor Mobile Phones*", The Guardian, 30 October 2011.



This article is more than 7 years old

Met police using surveillance system to monitor mobile phones

Civil liberties group raises concerns over Met police purchase of technology to track public handsets over a targeted area

Ryan Gallagher and Rajeev Syal

Sun 30 Oct 2011 18.36 GMT

Britain's largest police force is operating covert surveillance technology that can masquerade as a mobile phone network, transmitting a signal that allows authorities to shut off phones remotely, intercept communications and gather data about thousands of users in a targeted area.

The surveillance system has been procured by the Metropolitan police from Leeds-based company Datong plc, which counts the US Secret Service, the Ministry of Defence and regimes in the Middle East among its customers. Strictly classified under government protocol as "Listed X", it can emit a signal over an area of up to an estimated 10 sq km, forcing hundreds of mobile phones per minute to release their unique IMSI and IMEI identity codes, which can be used to track a person's movements in real time.

The disclosure has caused concern among lawyers and privacy groups that large numbers of innocent people could be unwittingly implicated in covert intelligence gathering. The Met has

<https://www.theguardian.com/uk/2011/oct/30/metropolitan-police-mobile-phone-surveillance>

1/3

refused to confirm whether the system is used in public order situations, such as during large protests or demonstrations.

Nick Pickles, director of privacy and civil liberties campaign group Big Brother Watch, warned the technology could give police the ability to conduct "blanket and indiscriminate" monitoring: "It raises a number of serious civil liberties concerns and clarification is urgently needed on when and where this technology has been deployed, and what data has been gathered," he said. "Such invasive surveillance must be tightly regulated, authorised at the highest level and only used in the most serious of investigations. It should be absolutely clear that only data directly relating to targets of investigations is monitored or stored," he said.

Datong's website says its products are designed to provide law enforcement, military, security agencies and special forces with the means to "gather early intelligence in order to identify and anticipate threat and illegal activity before it can be deployed".

The company's systems, showcased at the DSEi arms fair in east London last month, allow authorities to intercept SMS messages and phone calls by secretly duping mobile phones within range into operating on a false network, where they can be subjected to "intelligent denial of service". This function is designed to cut off a phone used as a trigger for an explosive device.

A transceiver around the size of a suitcase can be placed in a vehicle or at another static location and operated remotely by officers wirelessly. Datong also offers clandestine portable transceivers with "covered antennae options available". Datong sells its products to nearly 40 countries around the world, including in Eastern Europe, South America, the Middle East and Asia Pacific. In 2009 it was refused an export licence to ship technology worth £0.8m to an unnamed Asia Pacific country, after the Department for Business, Innovation and Skills judged it could be used to commit human rights abuses.

A document seen by the Guardian shows the Metropolitan police paid £143,455 to Datong for "ICT hardware" in 2008/09. In 2010 the 37-year-old company, which has been publicly listed since October 2005, reported its pro forma revenue in the UK was £3.9m, and noted that "a good position is being established with new law enforcement customer groups". In February 2011 it was paid £8,373 by Hertfordshire Constabulary according to a transaction report released under freedom of information.

Between 2004 and 2009 Datong won over \$1.6 (£1.03m) in contracts with US government agencies, including the Secret Service, Special Operations Command and the Bureau of Immigration and Customs Enforcement. In February 2010 the company won a £750,000 order to supply tracking and location technology to the US defence sector. Official records also show Datong entered into contracts worth more than £500,000 with the Ministry of Defence in 2009.

All covert surveillance is currently regulated under the Regulation of Investigatory Powers Act (Ripa), which states that to intercept communications a warrant must be personally authorised by the home secretary and be both necessary and proportionate. The terms of Ripa allow phone calls and SMS messages to be intercepted in the interests of national security, to prevent and detect serious crime, or to safeguard the UK's economic wellbeing.

Latest figures produced by the government-appointed interception of communications commissioner, Sir Paul Kennedy, show there were 1,682 interception warrants approved by the home secretary in 2010. Public authorities can request other communications data - such as the date, time and location a phone call was made - without the authority of the home secretary. In 2010, 552,550 such requests were made, averaging around 1,500 per day.

Barrister Jonathan Lennon, who specialises in cases involving covert intelligence and Ripa, said the Met's use of the Datong surveillance system raised significant legislative questions about proportionality and intrusion into privacy.

"How can a device which invades any number of people's privacy be proportionate?" he said. "There needs to be clarification on whether interception of multiple people's communications - when you can't even necessarily identify who the people are - is compliant with the act. It may be another case of the technology racing ahead of the legislation. Because if this technology now allows multiple tracking and intercept to take place at the same time, I would have thought that was not what parliament had in mind when it drafted Ripa."

Former detective superintendent Bob Helm, who had the authority to sign off Ripa requests for covert surveillance during 31 years of service with Lancashire Constabulary, said: "It's all very well placed in terms of legislation ... when you can and can't do it. It's got to be legal and obviously proportionate and justified. If you can't do that, and the collateral implications far outweigh the evidence you're going to get, well then you just don't contemplate it."

In May the Guardian revealed the Met had purchased software used to map suspects' digital movements using data gathered from social networking sites, satnav equipment, mobile phones, financial transactions and IP network logs. The force said the software was being tested using "dummy data" to explore how it could be used to examine "police vehicle movements, crime patterns and telephone investigations."

The Met would not comment on its use of Datong technology or give details of where or when it had been used.

A spokesman said: "The MPS [Metropolitan police service] may employ surveillance technology as part of our continuing efforts to ensure the safety of Londoners and detect criminality. It can be a vital and highly effective investigative tool.

"Although we do not discuss specific technology or tactics, we can re-assure those who live and work in London that any activity we undertake is in compliance with legislation and codes of practice."

A spokesman for the Home Office said covert surveillance was kept under "constant review" by the chief surveillance commissioner, Sir Christopher Rose, who monitors the conduct of authorities and ensures they are complying with the appropriate legislation.

He added: "Law enforcement agencies are required to act in accordance with the law and with the appropriate levels of authorisation for their activity."

Datong declined to comment.

Topics

- Metropolitan police
- Surveillance
- UK civil liberties
- London
- Police
- Espionage
- Crime
- news

EXHIBIT AC1/2

Article by Sean O'Neill, "*Police Sweep Up Phone Data with Secret Snooping Device*", The Times, 1 November 2014.

Police sweep up phone data with secret snooping device

Sean O'Neill

November 1 2014, 12:01am, The Times



The latest and most powerful IMSI Catcher models can intercept and listen to phone calls, collect and read text messages and emails and block phone signals in a specific area

Getty Images

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Tens of thousands of innocent people are having their mobile phones snooped on by police officers using secretive and controversial surveillance technology.

The Times can disclose that the Metropolitan police, the country's largest force, uses devices called IMSI Catchers that "hoover up" the identity, call and message data of mobile phones.

The latest and most powerful IMSI Catcher models can also intercept and listen to phone calls, collect and read text messages and emails and block phone signals in a specific area.

The devices are deployed to uncover the phone activity of suspects but automatically capture information from all active mobiles within their range.

There is no automatic deletion of material gathered through “collateral intrusion” and police are thought to have stored details of many thousands of innocent people’s phone activity.

The National Crime Agency (NCA) and other larger police forces are also thought to deploy IMSI Catchers, the use of which can be authorised by an officer of chief constable rank without having to seek permission from a judge or government minister.

The use of an IMSI Catcher by law enforcement agencies falls under the Police Act 1997 as “interference with property”. That legislation was drawn up to cover intelligence agencies planting bugs in houses or cars but is now deemed to apply to interfering with “wireless telegraphy”.

Neither Scotland Yard nor the NCA will discuss how often, why or when they use the devices, nor will they comment on what material they collect or the cost of buying and using the machines. Sources have confirmed that they are deployed regularly in large-scale investigations.

One police source said: “We only used them when we had no idea who our target was in contact with. We’d sit outside and pick up everything. To be honest, I was always uncomfortable about them because you are looking at everyone’s information.”

A second source said: “There is a genuine question to be asked about whether the legislation is really up to date and covers their use at all.”

Disclosure of the use of IMSI Catchers will heighten unease about the extent of secret surveillance by police and the lack of transparency about the methods being used.

The use of interception techniques against journalists’ phones in media leak investigations is already the subject of an inquiry and is seen as undermining the police’s call for enhanced powers to gather data.

Privacy International said yesterday that police had to be open with the public about surveillance. Matthew Rice, the group’s advocacy officer, said: “You cannot maintain this level of secrecy and claim that we have policing by consent. This technology is not capable of targeting an individual.

“It is astonishing to see a continued reluctance by the police to discuss its use. The latest IMSI Catchers can unmask entire groups involved in protests, intercept all their messages and block all their calls.”

Oversight in Britain is conducted by Sir Christopher Rose, the part-time chief surveillance commissioner, whose office refused to answer questions about his inspection regime.

The exact number of times they were used in the past two years is hidden in the overall “property interference” statistics, which show that 2,689 authorisations were granted over the year.

Home Office sources insist that agencies go to great lengths to minimise the “collateral intrusion” of collecting data from innocent people’s phones. The use of the devices is said to be authorised only in preventing or detecting serious crime. It is understood that large amounts of “collateral” data are not automatically deleted.

Scotland Yard said: “The Metropolitan police can neither confirm nor deny if such equipment is held or used.”

A spokesman for the NCA said: “We do not confirm or deny the use of specific technology.”

EXHIBIT AC1/3

Article by Chris Pleasance, "*Police Use Controversial Snooping Technology to 'Hack into Thousands of Innocent People's Mobile Phones'*", Daily Mail, 1 November 2014.

Police using controversial snooping technology to 'hack into thousands of innocent people's mobile phones'

- IMSI catchers mimic phone masts and intercept data sent from handsets
- Used to spy on criminals but allow officers to see all data within range
- Police can use hardware to listen to calls, block signal, and send texts

By [CHRIS PLEASANCE FOR MAILONLINE](#)

PUBLISHED: 11:11, 1 November 2014 | UPDATED: 16:49, 1 November 2014

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Police snoopers are capturing phone data from tens of thousands of innocent people, allowing officers to listen to calls, block phone signal, and even send fake text messages, it has been claimed.

Controversial ISMI catchers are being used by the Metropolitan Police, the country's largest force, to spy on suspects' mobile phones, according to reports.

But the devices also 'hoover up' data from every other mobile within their range, meaning thousands of innocent people are being unintentionally targeted.

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[Simon Cowell strips off his shirt for sunbathing session with Lauren Silverman as they enjoy family break in Cabo](#)



The Metropolitan Police, the country's biggest force, use devices known as ISMI catchers to target criminals' mobiles, but the probes also 'hoover up' all phone data from the surrounding area

The devices are regularly used by the Met in large scale investigations, and are thought to be used by the National Crime Agency, according to [The Times](#).

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For a mobile phone to work, it needs to transmit data between your handset and the nearest mobile phone mast, which will connect it to the rest of the network.

ISMI catchers work by jumping into this stream of data, allowing the device to monitor everything that is sent between mobiles and a specific phone mast.

Police will then be able to see a handset's IMSI - or International Mobile Subscriber Identity - along with the International Mobile Equipment Identifier (IMEI), allowing them to identify the owner.

WHAT ARE ISMI CATCHERS?

- Trademark records show technology first used in the U.S. in 2001 where device is known as 'Stingray'
- Unit originally comprised of large metal box which was usually installed in or on top of a vehicle - but newer models can be handheld or worn on the body

with son Eric, five



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Demi Rose PICTURE EXCLUSIVE: Stunning model transforms into a sizzling Cleopatra to ring in her 24th birthday with sexy Egyptian bash Wow



Khloe Kardashian shares more pictures from daughter True's VERY lavish butterfly-themed first birthday party Lavish



Josh Patterson EXCLUSIVE: Ex-MIC star will take on the challenge of 34 marathons in just 19 days in a wheelchair to honour best friend



Tess Daly puts a brave face on things as she's seen for the first time since running over and killing her family's Maltese Shih Tzu, Minnie



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ISMI catchers then have the ability to monitor data sent to and from the handset, listen in to phone calls, block mobile signal, or send fake text message to or from the phone.

As the devices are relatively new, their use is not covered by a specific law, and instead falls under the Police Act 1997 which is usually used to allow police to install bugs in someone's home.

The use of such devices can be approved by an officer of chief constable rank, without the need for a judge or government minister to approve.

- **They work by tricking phones into thinking they are a mobile network mast**
- **Devices then mount 'man-in-the-middle' attack, allowing officers to see all data passed between phones and a phone mast**
- **IMSI and IMEI numbers linked to phones allow officers to identify specific targets - but all other phone data from area is also 'hoovered up'**
- **Police can listen to calls, block mobile signal, read messages and even send and receive fake texts from the handset**

Scotland Yard and the NCA have both refused to discuss when or why they use the devices, and what type of data they gather.

Police numbers show that officers used 'property interference' techniques 2,689 times in the last year, but this data will include conventional bug microphones and other such devices.



ISMI catchers allow officers to listen in to phone calls, block signal to a handset, read messages, and also send fake texts to and from the handset (posed by model)

Matthew Rice, advocacy officer for Privacy International, told The Times: 'You cannot maintain this level of secrecy and claim that we still have policing by consent.'

'This technology is not capable of targeting an individual. The latest IMSI catchers can unmask entire groups involved in protests, intercept all their messages and block all their calls.'

A Scotland Yard spokesman told MailOnline that the force will neither confirm nor deny whether the equipment is used - or whether the force even has it.

At the time of publishing, the National Crime Agency was unavailable for comment.

Read more:
[The Times | UK News, World News and Opinion](#)

Share or comment on this article: Police using ISMI catchers to 'hack into innocent people's mobile phones'

<https://www.dailymail.co.uk/news/article-2816771/Police-using-controversial-snooping-technology-hack-thousands-innocent-people-s-mobile-ph...> 3/43

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 Stunning



EXHIBIT AC1/4

Minutes of Alliance Governance Group meeting, 26 May 2016.

Alliance Governance Group Minutes

Date:	Thursday 26 th May 2016, 10:30, Conference Room, Leek Wootton
Chair:	Philip Seccombe, PCC, Warwickshire
Minute Taker:	Alison Rixom

	Name:	Capacity:
Attendance:	Anthony Bangham (AB)	DCC West Mercia
	Amanda Blakeman (AMB)	ACC Local Policing
	John Campion (JPC)	PCC West Mercia
	Jeff Carruthers (JC)	Head of Accounting Services
	Andy Champness (AC)	CEO West Mercia
	Richard Elkin (RE)	Director of Enabling Services
	Elizabeth Hall (LH)	Interim Treasurer, Warwickshire and West Mercia
	Neil Hewison (NH)	CEO Warwickshire
	Martin Jelley (MJ)	CC Warwickshire
	Karen Manners (KM)	DCC Warwickshire
	Alison Rixom (AR)	Secretary
	Philip Seccombe (PS)	PCC Warwickshire
	Chris Singer (CS)	ACC Protective Services

	Name:	Capacity:
Apologies:	Heather Costello (HC)	Director of Finance
	David Shaw (DS)	CC West Mercia

	Name:	Capacity:
Guests:		

No.	Summary	Action
01/26/05/16	<p><u>Attendance / Apologies.</u> As above. It was agreed that Philip Seccombe would chair this meeting as it was held at Leek Wootton. The Chair would be shared between the two Police and Crime Commissioners. Welcome and introductions took place. PS spoke briefly about his position as PCC for Warwickshire and reiterated that the Alliance would continue to progress as it was a unique opportunity and was well regarded</p>	

	<p>nationally. He has made the decision to appoint a deputy but has yet to commence recruitment, whereas JPC has already started his process.</p>	
<p>02/30/03/15</p>	<p><u>Minutes / Actions from previous meeting (24.02.2016).</u> The minutes of the last meeting were agreed as a true and accurate record and approved with 1 minor amendment 07/30/03/16 7.3 Vulnerability Training. AR to amend and re-circulate.</p> <p>Action Updates.</p> <p>Action: 24/02/16, 03 – RT is still to receive a copy of the notes from the 08th February Saab meeting for the AGG. This action is outstanding.</p> <p>Action: 24/02/16, 03 – This action is complete.</p> <p>Action; 24/02/16, 07 – This action is complete.</p> <p>Action 30/03/16, 02– Update by JC provided at meeting – ongoing.</p> <p>Action 30/03/16, 03 – This action is complete.</p> <p>Action 30/03/16 03 - This action is complete.</p> <p>Action 30/03/16, 06 – This action is complete</p> <p>Matters Arising.</p> <p>There were no other matters arising.</p>	
<p>03/26/05/16</p>	<p><u>Covert Communications Data Capture (CCDC) Replacement</u></p> <p>The business case was presented to the AGG followed by a comprehensive and lengthy discussion. The three options proposed were discussed: Option1 – Upgrading the existing equipment with the current supplier. Option 2 – Replacing the existing equipment with the current supplier’s new product Option 3 –Replacing the existing equipment with a new supplier</p> <p>Robust questioning around the 3 options took place with regards to how often the system was used, where the equipment is located, where the system / team are based, and how were the options to be funded.</p> <p>Sufficient funds are held in reserves. Within the West</p>	

	<p>Midlands region both West Midlands and Staffordshire Police have recently purchased and operated 4G compatible CCDC equipment. Both have purchased the same equipment from the company referred to as option 3. The purchase of this equipment would result in a significant benefit to the alliance and region through better interoperability, more comparable data product and availability of identical equipment for loan in the event of a breakdown.</p> <p><u>Recommendation</u> The recommended option was the replacement of the existing equipment with a new supplier. The Alliance need can only be met through the purchase of new equipment and that the superior capability, reliability and interoperability, is needed when moving towards a regional model.</p> <p>The purchase would allow the use of the equipment in support of regional operations, but more frequently in support of local high risk investigations, reducing the impact of demand across the region for the same equipment being used in West Midlands and Staffordshire. The benefits of option 3 therefore outweighs the cost implications. There should be operational savings arising from speeding up investigations, but these cannot be quantified in advance of having the new equipment.</p> <p>Decision 1: Both PCCs agreed to Replacing the existing equipment with a new supplier. The purchase would be funded from the Infrastructure reserve.</p>	
<p>04/26/05/16</p>	<p><u>Police and Crime Plan</u></p> <p>AC stated that Police and Crime Plans were required and must be completed prior to March 2017. Both Police and Crime Commissioner areas have current plans, but they now have less impact and do not fully reflect recent electoral commitments. The plans are critical documents and will reflect the individual police force area; it is recommended that the PCCs work together and that the 2 plans be aligned. The closer together the plans are, the greater the benefits to the management of both Forces.</p> <p>West Mercia have started to progress their Police and Crime Plan and will be running some pre-consultation with the public with a view to presenting a draft plan to Police and Crime Panel in July. They then propose to engage with the public so that a final version will be ready in October.</p> <p>It was requested that when writing the plan understanding of</p>	

	<p>the operational side and corporate performance measures are taken into account.</p> <p>It was noted that within Warwickshire the Community Safety Partnership was aligned to the Police and Crime Plan. This should continue.</p>	
05/26/05/16	<p><u>Joint Specialist Capabilities Letter and Programme</u> The letter received from the APCC and NPCC provided an update on a the programme board meeting held in March 2016 and the accompanying document explained the Specialist Capabilities Programme. The paper clarified what is meant by capability and considers why the programme is taking place and sets out some early thinking about how it will operate.</p> <p>AC has been asked by the APCC to assist on the Police Reform Transitional Board. There are a number of workstreams within the programme and Police and Crime Commissioner and CC representatives will sit on each of the workstreams.</p> <p>A comprehensive discussion was held. AC has a proposed programme which is in its early stages. There is another board meeting on 13th June, and agreement of options to take forward are planned by the end of July. In September these will be shared with PCCs and Chiefs. In October approval of high level design will be sought. There is a Joint Capabilities Summit scheduled for 1st July for all Chiefs, PCCs and relevant stakeholders.</p>	
06/26/05/16	<p><u>Money Matters</u> The money matters report was circulated and discussed. The report set out the draft revenue and capital outturn position for 2015/16 including an analysis of variances and also sets out the resulting position for the reserves.</p> <p>LH went through the highlights of the report. A number of questions arose and answers provided.</p> <p>Decision 2: Both PCCs agreed</p> <ol style="list-style-type: none"> 1. That the outturn financial position for 2015-16 is noted. 2. That the 2015/16 underspend of £6.895m is carried forward through the following reserves: <ul style="list-style-type: none"> £2.0m - Invest to Save £4.895m - Infrastructure Reserve 3. That where 2015/16 outturn has produced an unexpected variance that these budgets are considered in detail for the 2017/18 budget 	

	<p>preparation.</p> <p>4 That £0.399m is added to the capital programme to cover changes including the Covert Communications Data Capture project.</p>	
<p>07/26/05/16</p>	<p><u>WMG Update / PPL Update</u></p> <p><u>WMG</u> RE provided an update to the group with regards to the Quarterly People report covering the areas from January – March 2016 which included Establishment/Workforce Numbers, Workforce Composition (Headcount), Attendance Management, People Metrics and Recruitment. RE explained that the Workforce Composition is a new set of data which is a requirement to meet the representations of BME targets. A request was made that a summary output paper from WMG meetings be prepared for AGG meetings. Action: RE to have dialogue with CEOs to reflect what the PCCs' requirements will be for the WMG report.</p> <p>A question was raised regarding the confidence level of the new recruitment process to ensure it is well managed. RE requested that at a future AGG meeting he would welcome the opportunity for HR staff to attend and run through the work undertaken on the implementation and changes made to the Police Officer recruitment process.</p> <p>At the PCCs' request a meeting is to be arranged with newly trained officers to discuss their recruitment process and to gain an insight into their experience. Action: MJ and RE to arrange a suitable date for the PCCs' to meet with new officers when the new training programme begins in June.</p> <p>A number of questions were raised. The information regarding attendance can be broken down. The data was available on the Intranet and that a full breakdown can be provided.</p> <p><u>PPL</u> RE provided an update from the PPL Board meeting which took place on 25/5/16. The 4 key areas discussed were:</p> <ul style="list-style-type: none"> • Accounts closedown • Repositioning the business and the technical capabilities • New set of processes around finance • New Commercial leveraging process which will create substantial savings. This will involve a tender process. <p>Their IT and cash flow have been the major issues. JPC was</p>	<p>RE</p> <p>MJ / RE</p>

	familiar with the issues from his time at WCC. Action: NH to arrange for PS to visit the PPL offices in Worcester in the near future.	NH
08/26/05/16	<p><u>Directorate Updates.</u></p> <p>Local Policing AMB provided a comprehensive update for the meeting, brief discussions were held on all the areas outlined in the briefing paper. Action: LH was requested to prepare a list of Capital Projects for the next 12 months and forward to the PCCs for information.</p> <p>JPC requested that Firearms Licensing become a standing item on the Local Policing update and that a table of information be created so that the PCCs can understand some of the matrix behind it. Action: AR to add to agenda and AMB to provide the information for the next meeting.</p> <p>Protective Services. CS provided a comprehensive report for the meeting and a number of areas were discussed at length, including SOCU and ROCU, and it was agreed that a visit be arranged to the department for the PCCs Action: CS to arrange for the PCCs to visit the SOCU.</p> <p>MASH DCC Manners is the lead on this area. Developments are on going in a number of areas and it was suggested that a separate briefing be set up with the PCCs to discuss in more detail. Action: DCC Manners to arrange a separate briefing with the PCCs.</p> <p>KM informed the Warwickshire PCC that he would be receiving an invite to the Warwickshire opening of the new MASH facility.</p> <p>Enabling Services – RE RE provided an update to the group. A copy of his report will be attached with the minutes.</p>	<p>LH</p> <p>AR AMB</p> <p>CS</p> <p>KM</p>
09/26/05/16	<u>AOB.</u> None	
10/26/05/16	<u>Date, time and location of next meeting.</u>	

OFFICIAL

	Wednesday 29 th June 2016, 14:00, Willison Room, Hindlip.	
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With nothing further to discuss the meeting closed at 13:15.

Formal Approval of Meeting Record	
Signature:	 
Print Names:	John Campion, Police and Crime Commissioner, West Mercia Police Philip Secombe, Police and Crime Commissioner, Warwickshire

Action Summary Table

Date of Meeting	Action Agenda Item No.	Action	Owner	Action Completion Date
24/02/16	03	SC to ensure RT receives a copy of the notes from the 08 th February 2016 meeting.	SC	26/05/16 – Ongoing.
30/03/2016	02	HC to monitor the Thrifty hire-car monthly reduction.	HC	26/05/16 - Ongoing
26/05/2016	07	RE to have dialogue with CEOs to reflect what the PCCs' requirements will be for the WMG report.	RE	
26/05/2016	07	MJ and RE to arrange a suitable date for the PCC's to meet with new officers when the new training programme begins in June.	MJ/RE	
26/05/2016	07	NH to arrange for PS to visit the PPL offices in Worcester in the near future.	NH	
26/05/2016	08	LH was requested to prepare a list of Capital Projects for the next 12 months and forward to the PCCs for information.	LH	
26/05/2016	08	AR to add Firearms Licensing to the agenda as a standing item. AMB is to provide the information for this for the next meeting.	AR AMB	
26/05/2016	08	CS to arrange for the PCCs to visit the SOCU.	CS	
26/05/2016	08	DCC Manners to arrange a separate briefing with the PCCs on MASH.	KM	

Decision Summary Table

Date of Meeting - Number	Decision No.	Action Agenda Item No.	Subject	Owner	Action Completion Date
26/05/16	1	03	<p>Project: Covert Communications Data Capture (CCDC) Replacement.</p> <p>The recommended option was the replacement of the existing equipment with a new supplier. The Alliance need can only be met through the purchase of new equipment and that the superior capability, reliability and interoperability, is needed when moving towards a regional model.</p> <p>The purchase would allow the use of the equipment in support of regional operations, but more frequently in support of local high risk investigations, reducing the impact of demand across the region for the same equipment being used in West Midlands and Staffordshire. The benefits of the preferred option therefore outweighs the cost implications. There should be operational savings arising from speeding up investigations, but these cannot be quantified in advance of having the new equipment.</p> <p>The purchase will be funded from the Infrastructure reserve.</p>	ACC Singer	Agreed by both PCCs 26/05/16
26/05/16	2	06	<p>Money Matters – Draft Revenue and Capital Outturn position for 2015/16.</p> <p>Recommendations:</p> <ol style="list-style-type: none"> 1. That the outturn financial position for 2015-16 is noted. 2. That the 2015/16 underspend of £6.895m is carried forward through the following reserves: 	LH – Joint Treasurer	Agreed by both PCC's 26/05/16

			<p>£2.0m - Invest to Save £4.895m- Infrastructure Reserve</p> <p>3. That where 2015/16 outturn has produced an unexpected variance that these budgets are considered in detail for the 2017/18 budget preparation.</p> <p>4 That £0.399m is added to the capital programme to cover changes including the Covert Communications Data Capture project.</p>		
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EXHIBIT AC1/5

South Yorkshire Police Draft Capital Programme 2014/15 – 2019/20.

SOUTH YORKSHIRE POLICE

DRAFT CAPITAL PROGRAMME 2014/15 - 2019/20

CAPITAL EXPENDITURE

GRANT FUNDED SCHEMES

National Police Procurement Hub
 Mobile Information Programme - Stage 2
 Grant - Mobile Information (NP/A)
 SYSC Vehicle Fleet Replacement

TOTAL GRANT SCHEMES

	2015-16 ORIGINAL BUDGET £	2016-17 ORIGINAL BUDGET £	2017-18 ORIGINAL BUDGET £	2018-19 ORIGINAL BUDGET £	2019-20 ORIGINAL BUDGET £
	25,000				
	813,799				
	133,891				
	55,000				
TOTAL GRANT SCHEMES	1,027,690	0	0	0	0

SCHEMES EXPECTED TO COMPLETE 14/15

Police Headquarters
 Provision Of Resilience Supplies
 Mobility and Customer Portal
 Specials Recruitment
 Oracle Fund
 Tramman Upgrade

CAPITAL SLIPPAGE 13/14

101 / Diary Portal System
 Mobile Information (SYP)

20,000
 349,625

ROUTINE SCHEMES - ASSET REPLACEMENT / MAINTENANCE

Facilities Management Minor Schemes
 Facilities Management Stock Condition
 Atrium System Replacement
 Rotherham Boiler
 Nunery Roof
 Upgrade and Replacement of ANPR
 Mobility Stage 1 Replacement
 Mobility Stage 1 Replacement
 Mobility Stage 2 Replacement
 Mobility Stage 2 Replacement

	500,000	500,000	500,000	500,000	500,000
	90,000				
			500,000		
	200,000	50,000	660,000	648,000	
	178,000		(330,000)	(268,531)	

CBRN replacement	100,000	100,000	1,813,713	1,813,713	1,813,713
Vehicles	1,857,655	1,611,650	80,000	80,000	80,000
Command Room CCTV			430,000	430,000	430,000
Multi Functional Devices			30,000	30,000	30,000
Mocams / Domehawk Cams		12,000			
Apollo & Hermes Equipment		32,500			
Audio and Visual Recording Equipment	600,000	30,000			
Intboxlyers		32,500			
Rapids Video Tracking Device		84,000			
Surveillance Equipment		30,000			
Radio Frequency Prop			80,000	80,000	80,000
Covert Command Room			10,000	10,000	10,000
Courtroom Presentation of Evidence					
Covert monitoring					
Hostage / Negotiators					
HTCU Forensic Workstation					
MIT CCTV Viewing stations					
IMSI Covert Communications					
Security Systems	99,000	10,000			
Interview Room Recording Equipment					
Taser	14,000	14,000	14,000	14,000	14,000

SCHEMES APPROVED BY PCC 2013/14

Ring Farm Improvements	9,945,430				
Custody Suite - Sheffield & Rotherham	222,702	5,792,971			
Custody Suite - Bamsley	864,436				
Contact Management Stage 1	(364,878)				
Contact Management Stage 1	197,705				
Snig Hill - Connection to Veolia District Heating	198,360				
Public Sector Network	(92,674)				
Public Sector Network	386,394				
Oracle Upgrade	(157,649)				
Oracle Upgrade - ERP	100,000				
Atercliffe District Heating					

IS INFRASTRUCTURE

Windows 7 Migration	70,000				
Windows 7 Migration	(29,547)				
			100,000	100,000	250,000
			(41,440)	(41,440)	(103,600)

Personal Computer Replacement	775,000	660,000	480,000	480,000	480,000
Personal Computer Replacement	(321,160)	(273,504)	(198,912)	(198,912)	-198,912
Workstation Resilience	45,000	45,000	45,000	45,000	45,000
Workstation Resilience	(18,648)	(18,648)	(18,648)	(18,648)	(18,648)
Asset Refresh Server	116,000	224,000	134,000	152,000	152,000
Asset Refresh Server	(48,070)	(92,826)	(55,530)	(62,989)	(62,989)
Asset Refresh Data Storage	220,000	280,000	40,000	210,000	210,000
Asset refreshment data storage	(91,168)	(116,032)	(16,576)	(87,024)	(87,024)
Asset Refresh Networks	83,333	83,333	83,333	83,333	83,333
Asset Refresh Networks	(34,533)	(34,533)	(34,533)	(34,533)	(34,533)
Corporate WIFI refresh				100,000	100,000
Corporate WIFI refresh				(41,440)	-41,440
Unified Communications		615,500	615,500		
Unified Communications		(255,063)	(255,063)		
IL4 Alignment		150,000			
IL4 Alignment		(62,160)			

SCHEMES APPROVED BY PCC 2014/15

Covert Radio Equipment Replacement					
Criminal Justice	1,708,000			270,000	
Solar Panels	62,300				
Contact Management Stages 2 & 3	4,000,000	3,400,000			
Contact Management 2 & 3	(1,688,400)	(1,435,140)			
HTCU Technology Upgrade	467,429				
PSU Equipment	176,425				
Mobility Programme Stage 2	2,374,104				
Mobility Programme Stage 2	(999,735)				

NEW SCHEMES - PAPER REQUIRED

Mossway refit	850,000				850,000
Data Centre	530,000				
Joint Data Centre					
Joint Data Centre		60,000			
Key Mgmt Facility used for Radio Encryption			7,000,000		
ESMCP (Airwave)			(2,900,800)		
ESMCP (Airwave)	200,000				
Business Intelligence	200,000				
DMS					

Niagara Stock Condition
 Performance Management System
 Body Armour
 Oracle Inventory

335,000
 400,000
 1,000,000
 150,000
 317,000

INNOVATION FUND

10,000 Volts Debrieffing Technology
 CCDC
 Telematics
 Invoice Automation
 Kinesense

20,000
 144,000
 660,000
 47,105
 20,000

TOTAL NON GRANT SCHEMES

26,377,754 12,079,548 9,022,484 3,760,559 3,888,660

TOTAL CAPITAL EXPENDITURE

27,405,444 12,079,548 9,022,484 3,760,559 3,888,660

EXHIBIT AC1/6

Spreadsheet listing contracts entered into by the Avon & Somerset PCC, 5 May 2016.

Supplier	Goods/Service	Contract Value	Contract Start Date	Contract End Date
The Picture Exchange	AVID Support	£33,822.00	11/05/2015	08/05/2016
Systems Technology Consultants Ltd	Forensic Analysis of Computer and Mobile Devices	£33,822.00	11/05/2015	10/05/2016
CellXion	CCDC Equipment	£169,575.00	14/05/2015	13/05/2016
Solon Security Ltd	Domestic Security Hardware and Crime Reduction Promotional	£340,020.00	01/04/2011	31/05/2016
Barrachd Ltd	Cosain for Intel Directorate	£42,000.00	01/06/2015	31/05/2016
Capita via Specialist Computer Centre	Case Preparation Software	£455,605.40	01/06/2014	31/05/2016
Energy Assets (Corona)	Automatic Meter Reading (AMR) (Gas)	£32,850.00	01/06/2012	31/05/2016
Goliath Footwear	Public Order Footwear	£32,000.00	17/01/2012	31/05/2016
Hawk Engineering	Body Armour	£300,000.00	01/06/2010	31/05/2016
Design IT Solutions Ltd	IP Clear 100mb Line Rental	£15,200.00	12/06/2014	11/06/2016
Hopewiser	Hopewiser Software	£66,750.00	17/06/2013	16/06/2016
Sysec Ltd	Inprivata One Sign	£47,250.00	01/07/2014	30/06/2016
A&DC Ltd	Pre-assessment / Initial Recruit Selection	£50,000.00	20/02/2012	02/07/2016
Northgate	Document Management Solution for VP/FPO	£193,969.00	07/07/2013	06/07/2016
The AA Ltd	Vehicle Recovery and Roadside Assistance	£393,900.00	01/08/2013	31/07/2016
Click	Business Travel	£1,800,000.00	02/08/2011	01/08/2016
Insight Direct	Symantec Enterprise Vault	£20,076.30	03/08/2013	02/08/2016
Controlco Ltd	Upgrade of BMS	£266,049.51	12/08/2013	11/08/2016
Insight	3AMI Monitoring Software	£311,926.00	03/11/2010	19/08/2016
Vehicle Livery Solutions	Vehicle Livery Solutions	£223,723.75	01/03/2011	31/08/2016
SMSR	Surveys	£252,450.00	01/09/2013	31/08/2016
Tascor Medical Services Ltd	Forensic Medical Examiner	£5,435,047.00	01/09/2011	31/08/2016
Castrol UK Ltd	Vehicle Lubricants	£129,578.44	01/10/2012	30/09/2016
HiTech	Footwear	£42,000.00	01/05/2010	30/09/2016
PSL Printing	Fixed Penalty Notices	£150,000.00	01/10/2013	30/09/2016
Stannah Lift Services	Lift Maintenance	£20,000.00	01/10/2014	30/09/2016
Steria	Storm MA	£650,000.00	01/04/2014	30/09/2016
Sasse	Airport Cleaning	£35,520.00	03/10/2011	02/10/2016
Specialist Computer Centre	VMWare	£65,727.00	06/10/2013	05/10/2016
Sira Defence & Security Ltd	SiraView	£117,000.00	10/10/2014	09/10/2016
Capita Secure Information Solutions Ltd	Capita Origin DMS	£488,866.00	16/10/2014	15/10/2016
JML Software	Chronicle	£52,012.80	29/04/2013	31/10/2016
WPC Software Ltd	Core DMS	£12,588.00	01/05/2014	31/10/2016
Equifax	Financial Searches	£62,600.00	25/11/2013	31/10/2016
Trustmarque Solutions	Sanctuary	£15,860.00	30/10/2014	31/10/2016
TTC 2000	National Driver Offender Re-Training Scheme	£9,328,500.00	01/11/2011	31/10/2016

Western Power Distribution	Metering Service - HQ (Code of Practice 3)	£9,328,500.00	01/11/2011	31/10/2016
Clearstone Solutions Ltd	Window Cleaning Services	£59,490.00	11/11/2013	10/11/2016
MSS	Mail Marshal	£47,605.32	20/11/2013	19/11/2016
Scott Group T/A Thrifty Car Rental	Self Drive Hire Vehicles	£148,834.00	01/10/2013	30/11/2016
Steria	BULL Command and Control Hardware/Software and Support	£119,406.00	02/12/2014	01/12/2016
Mercedes-Benz	PSU Vehicles	£1,935,790.00	14/12/2012	13/12/2016
Ideagen Software	Workbench Pro	£17,284.00	19/12/2013	18/12/2016
Arktis	Black Foul Weather Jacket & Trs	£25,000.00	01/02/2012	31/12/2016
Parmelee	Prescription Safety Spectacles	£15,000.00	01/12/2012	31/12/2016
SCC	Business Objects	£51,499.00	01/01/2014	31/12/2016
Northgate	Crime Intelligence	£195,000.00	04/06/2013	31/12/2016
Specialist Computer Centre	Watchguard Renewal	£14,591.22	02/01/2014	01/01/2017
Specialist Computer Centre	Microsoft Select Agreement	£116,984.00	14/12/2012	15/01/2017
NDI Technology	Niche / PNC TWIF	£43,050.00	23/01/2015	22/01/2017
ARVAL (ALL STAR)	Fuel Cards	£3,313,422.00	01/02/2015	31/01/2017
Lexis Nexis	Lexis Nexis	£109,807.00	22/03/2014	09/02/2017
Capita via Specialist Computer Centre	Digital Evidence Platform	£237,170.00	14/03/2014	13/03/2017
Lightfoot Solutions	Signals From Noise Maintenance	£21,196.27	14/03/2014	13/03/2017
Northgate	Blue 8 GIS	£15,926.89	12/03/2014	13/03/2017
GB Group	IQv6	£11,600.00	14/03/2014	13/03/2017
Software Box	Atlas Project Hardware	£288,365.68	02/03/2015	31/03/2017
Environmental Scientific Group	Provision of Forensic Services	£244,000.00	01/04/2013	31/03/2017
Key Forensic Services Group	Provision of Forensic Services	£33,000.00	01/04/2013	31/03/2017
LGC Ltd	Provision of Forensic Services	£753,000.00	01/04/2013	31/03/2017
Orchid Cellmark	Provision of Forensic Services	£606,000.00	01/04/2013	31/03/2017
Penna Plc	Career Transition and Financial Planning Related Services	£102,546.00	01/04/2013	31/03/2017
Walker Fire UK Ltd	Servicing and Supply of Fire Fighting Equipment	£22,000.00	01/05/2013	31/03/2017
Charter UK via Dorset Police	Regional Covert Mgt System	£21,840.67	01/04/2014	31/03/2017
Cubic Transportation Systems (ITMS)	EROS2	£5,138.00	01/04/2015	31/03/2017
Essa Technologies	ANPR Maintenance	£59,310.49	04/04/2014	31/03/2017
Force Information Systems	Centurion Systems	£20,356.00	01/04/2014	31/03/2017
Home Office	Police Nation Computer (PNC)	£700,009.00	01/04/2014	31/03/2017
Home Office	Police National Database (PND)	£496,615.00	01/04/2014	31/03/2017
KIM Software	PDR System	£12,394.00	01/04/2014	31/03/2017
Lion Laboratories	Maintenance of Intoxilyzers and Calibration Gas	£18,193.68	01/04/2014	31/03/2017
Recipro	Lost Property Software System	£24,000.00	01/04/2014	31/03/2017
RSS	RSS Membership	£52,500.00	01/04/2012	31/03/2017
Solid State Solutions	Isilon Support	£45,253.00	09/08/2015	31/03/2017

Insight	Citrix Advantage	£47,661.00	01/04/2014	31/03/2017
British Office Machines	Clue II	£11,910.00	01/04/2014	31/03/2017
Cannon Hygiene	Washroom Services	£61,500.00	01/05/2013	31/03/2017
Boing	Boarding Up Service	£40,000.00	01/04/2015	31/03/2017
Boing Rapid Secure Ltd	Emergency Boarding Up Service	£208,000.00	01/04/2015	31/03/2017
Civica/ Clearstone	Re-Deployable ANPR Equipment	£389,300.00	01/04/2013	31/03/2017
Edenred	Childcare Vouchers	£43,773.20	01/04/2011	31/03/2017
Home Office	Livescan	£587,952.00	01/04/2011	31/03/2017
Northrop Grumman	Livescan	£587,952.00	01/04/2011	31/03/2017
Swanswell Charitable Trust	Drug Referral from Custody Service (AIRS)	£2,174,103.00	01/04/2014	31/03/2017
TLT	Legal Services For Estates	£216,000.00	01/04/2014	31/03/2017
SCC	Oracle Database Management Software Licence (Support and	£183,649.05	22/03/2015	05/04/2017
Airwave Solutions Ltd	Airwave Coverage - Menu Items	£382,714.57	07/04/2010	06/04/2017
Acota/ WA Products	Supply of Fingerprint Development Consumables	£126,523.00	25/04/2014	24/04/2017
Centrica	Automatic Meter Reading (AMR) (Electric)	£10,380.00	01/06/2012	31/05/2017
Senator PLC	Supply of Furniture - Phase 1 - 3 HQ Refurbishment	£500,000.00	20/06/2014	10/06/2017
Twilio	Text Messaging Services	£17,000.00	16/06/2015	15/06/2017
Care First	EAP	£129,900.00	01/07/2013	30/06/2017
3M	Offenders Monitoring Tags	£42,851.00	25/07/2015	24/07/2017
RehabWorks	Physiotherapy Services	£129,000.00	01/08/2014	31/07/2017
Office Depot	General Office Supplies	£438,000.00	14/08/2012	13/08/2017
Supplies Team	IT Consumables	£588,000.00	14/08/2012	13/08/2017
Grant Thornton	External Audit	£367,350.00	01/09/2012	31/08/2017
UNISYS	Holmes 2 Investigation Management System	£239,386.10	01/04/2014	25/09/2017
British Gas	Supply of Electric (SUB 100 kWh)	£837,965.00	01/10/2014	30/09/2017
Capita	DS2000 Maintenance	£486,482.00	01/10/2012	30/09/2017
Diesel - WFL (UK) Ltd t/a Hall Fuels	Motor Fuel	£812,504.00	01/10/2015	30/09/2017
GB Oils Ltd	Supply of Heating Oil	£302,000.00	01/10/2015	30/09/2017
Integral	M & E Services	£1,650,000.00	01/11/2014	31/10/2017
Language Line	Telephone Interpreting	£120,000.00	01/11/2013	31/10/2017
SJ Cook & Sons Ltd and WBC Automotive Ltd	Vehicle Body Work Repairs	£680,000.00	01/11/2013	31/10/2017
3663	Ambient Meals, In Cup Drinks and Ancillary Items	£240,000.00	02/12/2014	01/12/2017
Specialist Computer Centre	Managed Print Service	£2,000,000.00	01/11/2012	31/12/2017
Access Intelligence Media	Vuelio Software	£38,700.00	31/12/2012	28/02/2018
I2	I2 Software Support	£200,954.44	01/04/2013	28/02/2018
Iken	Iken Case Mgt System	£86,092.00	17/03/2014	16/03/2018
Baker Tilley	Internal Audit	£216,000.00	01/04/2014	31/03/2018
Bristol Missing Link	Provision of an Independent Sexual Violence Advisor	£583,740.00	01/04/2015	31/03/2018

Matrix-SCM	Temporary Staffing	£4,200,000.00	01/04/2015	31/03/2018
National Viper Bureau	Viper Maintenance	£282,285.00	01/04/2015	31/03/2018
Peninsula Pensions via Devon County Council	ASP Pension Administration	£110,000.00	01/09/2014	31/03/2018
Somerset County Council	Treasury Management Services	£195,000.00	01/04/2015	31/03/2018
Victim Support	Provision of an Emotional Support Service for Victims	£890,919.00	01/04/2015	31/03/2018
Airwave Solutions Ltd	Airwave Coverage - Bristol	£117,448.67	11/12/2014	14/04/2018
CACI LTD	Acorn Geographical Information Software Licence	£20,000.00	17/04/2014	16/04/2018
Alere Toxicology PLC	Substance Misuse Testing	£25,000.00	01/04/2014	30/04/2018
Calumet	Photographic Consumables	£17,400.00	10/11/2014	09/06/2018
Southwest One Ltd	Back Office Services	£180,000,000.00	20/03/2008	16/06/2018
SAADIAN Technology	Prisoner Intelligence Notification System (PINS)	£108,000.00	01/04/2014	31/08/2018
W Sugden & Sons Ltd	Shirts	£114,000.00	01/09/2011	31/08/2018
Sodexo	Catering and Cleaning	£8,136,835.00	10/09/2011	09/09/2018
Capita	Regional Digital Interview Project	£478,541.00	01/10/2013	30/09/2018
Ford Motor Company Ltd	Cell Vans	£637,232.64	03/10/2014	02/10/2018
Vodafone	PSN CAPS Overlay	£93,312.00	01/11/2014	31/10/2018
Siemens	Identity Access Managed Service	£99,600.00	01/04/2010	30/11/2018
Crown Pet Foods Ltd	Dog Food	£70,000.00	23/12/2014	22/12/2018
Pitney Bowes	Mail Room Equipment - Speed Enforcement	£81,000.00	24/03/2014	23/03/2019
Corona Energy	Supply of Natural Gas	£359,450.00	01/04/2014	31/03/2019
EDF	Supply of Electric (plus 100 KWH)	£962,000.00	01/04/2015	31/03/2019
Helyx Secure Information Systems	ESRI GIS	£1,166,100.00	01/05/2010	30/04/2019
Calibration and Consultancy Services (UK) Ltd and Trojan Garage Equipment Services Ltd	Maintenance of Garage Equipment	£345,715.00	25/05/2015	25/05/2019
Domestic Drain Services	Drain System Clearance	£70,000.00	01/06/2014	31/05/2019
Labwaste	Hazardous Waste	£50,000.00	01/06/2014	31/05/2019
Perry's Recycling	Disposal of Protected Marked Waste	£105,000.00	01/06/2014	31/05/2019
Sita	Comingled Recyclables and Residual Waste and Metal Recycling	£550,000.00	01/06/2014	31/05/2019
APD	Vehicle Telematics	£763,460.00	23/06/2014	22/06/2019
Fast Engineering	Custody Bedding	£20,000.00	01/07/2015	30/06/2019
Home Office	Pentip Software	£908,355.00	19/10/2012	24/07/2019

EXHIBIT AC1/7

Spreadsheet by Metropolitan Police HQ listing contracts valued over £2500 awarded between October to December (Q3) 2015-16.



Freedom of Information Act Publication Scheme	
Protective Marking	Not Protectively Marked
Publication Scheme Y/N	Y
Title	Contracts valued over £2500 awarded between October to December (Q3) 2015-16
Version	v1
Summary	Contracts valued over £2500 awarded between October to December (Q3) 2015-16
Branch / OCU	Procurement Services
Date created	February 2016
Review date	n/a

Contracts £2500 - £50,000 for October to December (Q3) 2015-16

Supplier	Contract Title	Total Contract Value
Test Equipment Solutions Ltd	Purchase of one TVPC401 FLUKE 54200 / M01 - TV SIGNAL, one TEKTRONIX VM700A / 11 - AUTOMATIC VIDEO MEASUREMENT SET	£4,540.00
Event Horizon Pyrotechnics Ltd	Provision of chemical synthesis	£5,000.00
Telecom Risk Consulting Ltd	To create and deliver a one day Open Source (OSINT) training module for an event to be held in March 2016.	£5,000.00
SBD	The Supply of a Directory or Guide of Connected Services of Vehicle Manufacturers and their Telematics Architectures and	£6,000.00
Torch Direct Ltd	Torches for Crime Prevention	£6,250.00
British Broadcasting Corporation	Online news monitoring service - 1 x licence	£7,500.00
GAP Group Ltd	Flooring and fencing hire	£7,995.00
The Social Simulator Ltd	pseudo media company	£8,100.00
ci-connect Ltd	Video Conferencing POW No3	£8,376.00
Copper Horse Solutions Ltd	Connected Home Demonstration/Training	£9,000.00
Man & Machine Ltd	Computer hardware supply - 2no. workstations (3D modelling & laser scan data manipulation)	£9,133.00
Cavendish Nuclear Ltd.	Repair of FLIR Identifinder instruments	£9,690.00
BW Technologies	Supply of body-worn oxygen monitors	£10,000.00
WSP Environmental Ltd	Feasibility of a Pyrolysis unit for the on site management of clinical waste.	£10,120.00
ICE Consultants	ACPO ITS Support	£10,500.00
Cantel Medical UK Ltd	Laboratory Equipment/Machinery - To manufacture, deliver, install and commission:1 No. 1800mm wide Walk-In Fume Cupboard	£11,300.00
Piggotts Company Limited	Marquee and heater hire	£13,824.00
GPH Datacoms Ltd	RC020 - PoW Secure Cabling	£15,000.00
EnviAble Limited	Supply of FLIR Identifinder instruments	£15,000.00
Ci-Connect Ltd	Video Conferencing POW No4	£17,021.00
Morpho Detection UK Ltd	MORPHO DETECTION: SUPPORT 15-18	£18,120.00
Vodafone Ltd formerly Cable and	GCF PSN COMPLIANCE CCN FOR NPOCC	£18,481.80
SECOM PLC	RC017 - Supply Access Control and CCTV to Secure Floor	£20,000.00
AVM Impact Ltd	Marlowe	£20,000.00
Man & Machine Ltd	Software supply - various Autodesk 2016 Perpetual Network software applications	£23,732.00
Mpirical Limited	Distance learning and Classroom based training and course content delivery	£25,000.00

Supplier	Contract Title	Total Contract Value
Tencastle Limited	ETSI/Standards and Virtualisation consultation, advise and working group co-ordination for National Policing - Part 4	£29,900.00
Crystal Aerials Ltd	AERIALS TRANSMISSION	£30,000.00
APEX SECURITY ENGINEERING LTD	RC024 - CSQ Secure Cabinets	£30,000.00
Springer Strategic Solutions Limited	Search and Survey Research Programme	£30,000.00
A plus	Provide 12 month service/ software Maintenance service support for Legancy/ Nedap access control system	£30,000.00
Synchrovision Laser Art Ltd	Laser System	£31,000.00
Ramsay Todd Ltd	CATERING CONSULTANCY SERVICES	£36,400.00
Thermo Fisher Scientific	THERMOFISHER MAINTNEANCE 16/18	£37,145.00
Oxehealth Ltd	Custody suite study	£45,000.00
University of Bath	Autonomous water vessels research	£49,999.00
Bela Electronic Designs Ltd	CLD_RX_RACK & STK_DA_1	To be advised
Sovereign International Ltd	Supply and Delivery of CCTV Cameras	To be advised
MEL Secure Systems Ltd	Supply and Delivery of COFDM Cameras	To be advised
ADI Global	Supply and Delivery of Axis Cameras	To be advised
Vysionics ITS Limited	ANPR Dual Lane Redeployable Cameras	To be advised
Creative Video Productions Ltd - Trading as Mitcorp	Supply and Delivery of Marshall Monitors	To be advised
Bela Electronic Designs Ltd	CLD-PP1 and CLD-PP2	To be advised
Tyco Fire & Integrated Solutions (UK) Limited	Conversion of Flovel camera to PTZ	To be advised
APEX LABELS	APEX LABELS	To be advised
himech ltd	INTERNAL COMBUSTION ENGINE - COMPACT COUNTERBALANCE LIFT TRUCK	To be advised
AuDeo Systems Ltd	Polycom Cx8000	To be advised

The above opportunities were mainly awarded through CompeteFor. The MPS utilises CompeteFor primarily for contracts below £50,000 which are likely to be of interest to small and medium sized enterprises (SMEs). For further information on MPS eProcurement systems is available on the [MPS internet site](#).

Contracts over £50,000 for October to December (Q3) 2015-16

Supplier	Contract Title	Total Contract Value
DHL Supply Chain Ltd	THE NATIONAL UNIFORM MANAGED SERVICE (NUMS)	£103,000,000.00
Atos IT Services UK Ltd	SERVICE INTEGRATION AND MANAGEMENT - ICT MANAGED SERVICES	£74,850,000.00
Frequentis AG	ESN ICCS MODIFICATION	£8,528,000.00
Harvest Energy Ltd	PROVISION OF BULK FUELS	£4,027,000.00
Language Line Solutions	TELEPHONE INTERPRETING SERVICES	£1,598,000.00
Zurich Insurance Plc	GENERAL LIABILITY (PRIMARY)INSURANCE	£1,590,337.00
Certas Energy UK Ltd	PROVISION OF BULK FUELS	£1,380,000.00
Vislink International Ltd	NSY CLOSURE - ROOF TOP TECHNOLOGY (DIGITAL MICROWAVE EQT.)	£1,242,028.00
Cellxion Ltd	CCDC	£1,037,223.00
Certas Energy UK Ltd	HEATING OIL FOR PSD	£750,000.00
Capital Conflict Management CIC	PROVISION OF CONFLICT MANAGEMENT SERVICES	£400,000.00
Neopost Ltd Accounts Invoice Paymen	FRANKING MACHINE CONSUMABLES, MAINTENANCE AND LEASE	£300,000.00
Bouygues E and S FM UK Ltd	LJ PITCHFORD DATA PROCESSING CONTRACT	£285,000.00
Inspire Change Ltd	TEAM LEADER EVENTS	£282,360.00
Vodafone Ltd formerly Cable and	VODAFONE CMS UPGRADE	£250,000.00
Deloitte LLP	DELOITTE MIPS CONSULTANCY SUPPORT	£250,000.00
Truvelo UK Ltd	SPEED DETECTION DEVICES FOR COMMUNITY ROADWATCH SCHEME	£250,000.00
DMS Protective Equipment Ltd	INTERIM SUPPLY OF PUBLIC ORDER LIMB PROTECTORS	£155,160.00
Accenture UK Ltd	C&C FUTURES ACCENTURE FOC ASSISTANCE	£100,000.00
Mass Spec Analytical Ltd	MASS SPEC ANAYLITICAL SUPPORT 15-18	£98,508.00
Bluestar Software Ltd	NATIONAL FOOTWEAR DATABASE DEVELOPMENT	£96,500.00
3D Laser Mapping Ltd	MAIN/SUPPORT REIGL 3D LASER SCANNERS	£76,540.00
S Rammanohar	DR RAMMANOHAR FORENSIC MEDICAL EXAMINER	£75,000.00
Kedalion Limited	DR ODIGBOH - FORENSIC MEDICAL EXAMINER	£75,000.00
Smiths Detection Watford Ltd	SMITHS DETECTION MAINTENANCE 15-18	£69,743.53
Heath Lambert Ltd	PERSONAL ACCIDENT AND EMERGENCY INSURANCE	£66,414.30
PPL	THE PROVISION OF A PPL LICENCE	£66,354.66
Recipero Ltd	MNPR 15/16	£61,444.00
ClearView Communications Ltd	OHP AND LAMP	£50,000.00

Under The Elected Local Policing Bodies (Specified Information) Order 2011, contract information can be found at www.blpd.gov.uk*

** Please note that this website is hosted and managed by Devon & Cornwall Police.*

EXHIBIT AC1/8

Sample of public records of West Midlands Police for 2013 and 2015.

PAYMENT_DATE	TOTAL_NET_AMT	SUPPLIER_NAME	RESPONSIBILITY_DESC	SUBJECT_DESC
01-OCT-2015	1,014		BALANCE SHEET	PAYMENTS RAISED
01-OCT-2015	5,250		BALANCE SHEET	PAYMENTS RAISED
01-OCT-2015	1,037		BALANCE SHEET	PAYMENTS RAISED
01-OCT-2015	800		BALANCE SHEET	PAYMENTS RAISED
01-OCT-2015	645		BALANCE SHEET	PAYMENTS RAISED
01-OCT-2015	1,130		BALANCE SHEET	PAYMENTS RAISED
01-OCT-2015	1,502		BALANCE SHEET	PAYMENTS RAISED
01-OCT-2015	2,000		BALANCE SHEET	PAYMENTS RAISED
01-OCT-2015	1,135		BALANCE SHEET	PAYMENTS RAISED
01-OCT-2015	1,026		BALANCE SHEET	PAYMENTS RAISED
01-OCT-2015	1,000		BALANCE SHEET	PAYMENTS RAISED
01-OCT-2015	1,667		BALANCE SHEET	PAYMENTS RAISED
01-OCT-2015	745		BALANCE SHEET	PAYMENTS RAISED
02-OCT-2015	1,200	ACUME LTD	FORCE CID	OTHER PROFESSIONAL SERVICE
02-OCT-2015	1,414	ADEPT (BUSINESS PSYCHOLOGY) LTD	HUMAN RESOURCES	EXTERNAL COUNSELLING FEES
02-OCT-2015	1,065	ALLSTAR BUSINESS SOLUTIONS LTD	CORPORATE ASSET MANAGEMENT	FUEL ISSUES
02-OCT-2015	4,495	ARROGEO FORENSICS LTD	FORENSICS DEPT	FORENSIC SERIOUS CRIME
02-OCT-2015	13,560	BEECHES 24HR RESCUE/RECOVERY	VEHICLE RECOVERY - EXTERNALLY FUNDED	STATUTORY VEHICLE FEE REIMBURSEMENT
02-OCT-2015	8,460	BEECHES 24HR RESCUE/RECOVERY	VEHICLE RECOVERY - EXTERNALLY FUNDED	STATUTORY VEHICLE FEE REIMBURSEMENT
02-OCT-2015	563	BEELINE PROMOTIONAL PRODUCTS	NABIS	PRINTING
02-OCT-2015	7,063	BERENDSEN UK LTD	CORPORATE ASSET MANAGEMENT	LAUNDRY SERVICES
02-OCT-2015	70,640	BRUTON KNOWLES	CORPORATE ASSET MANAGEMENT	RENTAL OF PREMISES
02-OCT-2015	20,570	BRUTON KNOWLES	CORPORATE ASSET MANAGEMENT	RENTAL OF PREMISES
02-OCT-2015	12,915	BRUTON KNOWLES	CORPORATE ASSET MANAGEMENT	RENTAL OF PREMISES
02-OCT-2015	1,156	C.W. HEADRESSES LTD	BALANCE SHEET	ADDITIONS IN YEAR
02-OCT-2015	6,500	COLLEGE OF POLICING	FORCE CO-ORDINATION AND TASKING - ALLOCATED CONTINGENCY	POLICE TRAINING COURSES
02-OCT-2015	3,355	COLLEGE OF POLICING	LEARNING AND DEVELOPMENT	POLICE TRAINING COURSES
02-OCT-2015	4,132	DORWINGEAR LTD	CORPORATE ASSET MANAGEMENT	PROPERTY MAINTENANCE HOLDING CODE
02-OCT-2015	715	E & S MOTORS LTD	VEHICLE RECOVERY SCHEME	REMOVAL OF VEHICLES
02-OCT-2015	1,840	EDS (ELECTRICAL-DATA-SECURITY) LTD	CORPORATE ASSET MANAGEMENT	MAINTENANCE CONTRACTS (INC TERM)
02-OCT-2015	1,140		HUMAN RESOURCES	EXTERNAL COUNSELLING FEES
02-OCT-2015	1,722	ERIC WRIGHT WATER LTD	CORPORATE ASSET MANAGEMENT	MAINTENANCE CONTRACTS (INC TERM)
02-OCT-2015	9,632	ESG ASBESTOS LTD	CORPORATE ASSET MANAGEMENT	ASBESTOS REMOVAL - SURVEYORS
02-OCT-2015	6,783	FIREMARK LTD	CORPORATE ASSET MANAGEMENT	PROPERTY MAINTENANCE HOLDING CODE
02-OCT-2015	1,321	FIREMARK LTD	CORPORATE ASSET MANAGEMENT	PROPERTY MAINTENANCE HOLDING CODE
02-OCT-2015	567	FIX AUTO BIRMINGHAM NORTH	BALANCE SHEET	EXTERNAL REPAIRS
02-OCT-2015	3,368	FIX AUTO BIRMINGHAM NORTH	BALANCE SHEET	EXTERNAL REPAIRS
02-OCT-2015	2,535	FORENSIC PATHOLOGY SERVICES	FORCE CID	HOME OFFICE PATHOLOGISTS FEES
02-OCT-2015	785	GAS FIRE & SECURITY SYSTEMS (UK)	INFORMATION COMMUNICATIONS TECHNOLOGY	IT BOUGHT IN SERVICES
02-OCT-2015	785	GAS FIRE & SECURITY SYSTEMS (UK)	INFORMATION COMMUNICATIONS TECHNOLOGY	IT BOUGHT IN SERVICES
02-OCT-2015	785	GAS FIRE & SECURITY SYSTEMS (UK)	INFORMATION COMMUNICATIONS TECHNOLOGY	IT BOUGHT IN SERVICES
02-OCT-2015	785	GAS FIRE & SECURITY SYSTEMS (UK)	INFORMATION COMMUNICATIONS TECHNOLOGY	IT BOUGHT IN SERVICES
02-OCT-2015	9,003	GENERAL MOTORS UK LTD	CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
02-OCT-2015	9,003	GENERAL MOTORS UK LTD	CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
02-OCT-2015	9,003	GENERAL MOTORS UK LTD	CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
02-OCT-2015	9,003	GENERAL MOTORS UK LTD	CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
02-OCT-2015	9,003	GENERAL MOTORS UK LTD	CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
02-OCT-2015	3,077	GEORAPHERS' A-Z MAP CO LTD	INFORMATION COMMUNICATIONS TECHNOLOGY	IT SOFTWARE LICENCES
02-OCT-2015	4,110	HMCTS	BALANCE SHEET	PAYMENTS RAISED
02-OCT-2015	1,050	HMCTS	BALANCE SHEET	PAYMENTS RAISED
02-OCT-2015	1,462	HMCTS	BALANCE SHEET	PAYMENTS RAISED
02-OCT-2015	1,845	HMCTS	BALANCE SHEET	PAYMENTS RAISED
02-OCT-2015	17,423	Harvest Energy Ltd	BALANCE SHEET	ADDITIONS IN YEAR
02-OCT-2015	6,927	Harvest Energy Ltd	BALANCE SHEET	ADDITIONS IN YEAR
02-OCT-2015	17,652	Harvest Energy Ltd	BALANCE SHEET	ADDITIONS IN YEAR
02-OCT-2015	959	INSIGHT DIRECT (UK) LTD	FORCE CID	PURCHASE OF EQUIPMENT
02-OCT-2015	1,000	JNE SECURITY LTD	FORCE CO-ORDINATION AND TASKING	PURCHASE OF EQUIPMENT
02-OCT-2015	1,903	Judy Foster	WEST MIDLANDS OFFICE FOR POLICING AND CRIME	BOARD / COMMITTEE FEES
02-OCT-2015	2,725	Just Car Clinics Ltd	BALANCE SHEET	EXTERNAL REPAIRS
02-OCT-2015	3,764		HUMAN RESOURCES	CONSULTANTS FEES
02-OCT-2015	555	LEVEL 3 COMMUNICATIONS EUROPE LIMITED	INFORMATION COMMUNICATIONS TECHNOLOGY	TELEPHONE CALLS
02-OCT-2015	1,226	LEWIS'S MEDICAL SUPPLIES	BALANCE SHEET	ADDITIONS IN YEAR
02-OCT-2015	15,416	LGC LTD	FORENSICS DEPT	FORENSIC SERIOUS CRIME
02-OCT-2015	12,790	LGC LTD	FORENSICS DEPT	DNA CRIME STAINS
02-OCT-2015	7,281	LGC LTD	FORENSICS DEPT	FORENSIC SERIOUS CRIME
02-OCT-2015	8,974	LGC LTD	FORENSICS DEPT	FORENSIC TOXICOLOGY
02-OCT-2015	3,932	LGC LTD	FORENSICS DEPT	FORENSIC DRUGS EXAMINATION
02-OCT-2015	1,426	Litoni Ltd	BALANCE SHEET	EXTERNAL REPAIRS
02-OCT-2015	927	Litoni Ltd	BALANCE SHEET	EXTERNAL REPAIRS
02-OCT-2015	593	Litoni Ltd	BALANCE SHEET	EXTERNAL REPAIRS
02-OCT-2015	70,712	Lodge Service UK Ltd	CORPORATE ASSET MANAGEMENT	BUILDING SECURITY SERVICES
02-OCT-2015	71,049	Lodge Service UK Ltd	CORPORATE ASSET MANAGEMENT	BUILDING SECURITY SERVICES
02-OCT-2015	4,100	MARCH ON STRESS	HUMAN RESOURCES	POLICE STAFF TRAINING COURSES
02-OCT-2015	2,140	MARTINI VEHICLE RECOVERY LTD	VEHICLE RECOVERY - EXTERNALLY FUNDED	STATUTORY VEHICLE FEE REIMBURSEMENT
02-OCT-2015	1,009	MEHLER VARIO SYSTEM GMBH	BALANCE SHEET	ADDITIONS IN YEAR
02-OCT-2015	1,009	MEHLER VARIO SYSTEM GMBH	BALANCE SHEET	ADDITIONS IN YEAR
02-OCT-2015	1,750	METROPOLIS 2 LIMITED	WEST MIDLANDS OFFICE FOR POLICING AND CRIME	POLICE STAFF TEMPORARY STAFF
02-OCT-2015	582	RECOVERY SOLUTIONS LTD	VEHICLE RECOVERY SCHEME	REMOVAL OF VEHICLES
02-OCT-2015	640	NATIONAL WINDSCREENS	BALANCE SHEET	GLASS REPAIRS
02-OCT-2015	582	PARTS WEST MIDLANDS	CORPORATE ASSET MANAGEMENT	MATERIALS/PARTS - STOCK ISSUES
02-OCT-2015	10,688	PEUGEOT MOTOR CO PLC	CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
02-OCT-2015	11,153	PEUGEOT MOTOR CO PLC	CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
02-OCT-2015	503	PITNEY BOWES LTD	SHARED SVS - INCL FNC FR APR 14	POSTAGES
02-OCT-2015	680	PMO MAGNETICS	SHARED SVS - INCL FNC FR APR 14	RECORDING MEDIA
02-OCT-2015	1,944	PREMIER HAZARD LTD	CORPORATE ASSET MANAGEMENT	MATERIALS/PARTS - STOCK ISSUES
02-OCT-2015	4,605	PRESSFAB EVO LTD	CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
02-OCT-2015	2,911	PRICE WESTERN LEATHER	BALANCE SHEET	ADDITIONS IN YEAR
02-OCT-2015	568	RANDSTAD CARE LIMITED	HUMAN RESOURCES	PHYSIOTHERAPY SERVICES
02-OCT-2015	568	RANDSTAD CARE LIMITED	HUMAN RESOURCES	PHYSIOTHERAPY SERVICES
02-OCT-2015	568	RANDSTAD CARE LIMITED	HUMAN RESOURCES	PHYSIOTHERAPY SERVICES
02-OCT-2015	568	RANDSTAD CARE LIMITED	HUMAN RESOURCES	PHYSIOTHERAPY SERVICES
02-OCT-2015	5,388	RANDSTAD EMPLOYMENT BUREAU LTD	SHARED SVS - INCL FNC FR APR 14	POLICE STAFF TEMPORARY STAFF
02-OCT-2015	6,511	RANDSTAD EMPLOYMENT BUREAU LTD	SHARED SVS - INCL FNC FR APR 14	POLICE STAFF TEMPORARY STAFF
02-OCT-2015	838	RANDSTAD EMPLOYMENT BUREAU LTD	COMMUNITY JUSTICE AND CUSTODY	POLICE STAFF TEMPORARY STAFF
02-OCT-2015	5,588	RANDSTAD EMPLOYMENT BUREAU LTD	SHARED SVS - INCL FNC FR APR 14	POLICE STAFF TEMPORARY STAFF
02-OCT-2015	1,954	RANDSTAD EMPLOYMENT BUREAU LTD	SHARED SVS - INCL FNC FR APR 14	POLICE STAFF TEMPORARY STAFF
02-OCT-2015	2,590	RAPID SECURITY LTD	DUDLEY LPU	BOARDING UP
02-OCT-2015	3,840	RICARDO UK LTD	FORENSICS DEPT	FORENSIC SERIOUS CRIME
02-OCT-2015	13,615	ROWLEY AUTO SERVICES LTD	VEHICLE RECOVERY SCHEME	REMOVAL OF VEHICLES
02-OCT-2015	646	ROYAL MAIL RETAIL	SHARED SVS - INCL FNC FR APR 14	POSTAGES
02-OCT-2015	639	ROYAL MAIL RETAIL	SHARED SVS - INCL FNC FR APR 14	POSTAGES
02-OCT-2015	4,200	SATELLITE SOLUTIONS WORLDWIDE LTD	CAPITAL PAYMENTS IN YEAR	ICT & GENERAL EQUIPMENT
02-OCT-2015	1,000	SMALL HEALTH BOXING CLUB	FORCE CO-ORDINATION AND TASKING	ASSISTANCE AND DONATIONS
02-OCT-2015	527	SOLOON SECURITY LTD	FORCE CO-ORDINATION AND TASKING	SPECIFIC CONSUMABLES
02-OCT-2015	1,585		HUMAN RESOURCES	CONSULTANTS FEES
02-OCT-2015	2,034		HUMAN RESOURCES	CONSULTANTS FEES
02-OCT-2015	940	THE ALBION FOUNDATION	SANDWELL LPU - EXTERNALLY FUNDED	OTHER PROFESSIONAL SERVICE
02-OCT-2015	720	THE COUNSELLING SERVICE	HUMAN RESOURCES	EXTERNAL COUNSELLING FEES
02-OCT-2015	720	THE COUNSELLING SERVICE	HUMAN RESOURCES	EXTERNAL COUNSELLING FEES
02-OCT-2015	4,231	TMP WORLDWIDE LTD	BUSINESS TRANSFORMATION	CONSULTANTS FEES
02-OCT-2015	4,847	TRIOS	CORPORATE ASSET MANAGEMENT	PROPERTY MAINTENANCE HOLDING CODE
02-OCT-2015	30,533	TRIOS	CORPORATE ASSET MANAGEMENT	PROPERTY MAINTENANCE HOLDING CODE
02-OCT-2015	8,158	TRIOS	CORPORATE ASSET MANAGEMENT	PROPERTY MAINTENANCE HOLDING CODE
02-OCT-2015	3,622	TRUVELO (UK) LTD	LEARNING AND DEVELOPMENT	PURCHASE OF EQUIPMENT
02-OCT-2015	3,610	The Police and Crime Commissioner for South Wales	BALANCE SHEET	INCOME PENDING
02-OCT-2015	968	The Shear Project	PUBLIC PROTECTION	COURT AND OTHER FEES
02-OCT-2015	20,464	UNISYS LTD	INFORMATION COMMUNICATIONS TECHNOLOGY	MINOR IT EQUIPMENT (DEVOLVED)
02-OCT-2015	508	VEOLIA ENVIRONMENTAL SERV'S PLC	CORPORATE ASSET MANAGEMENT	LA REFUSE COLLECTION CONTRACTS
02-OCT-2015	584	VEOLIA ENVIRONMENTAL SERV'S PLC	CORPORATE ASSET MANAGEMENT	LA REFUSE COLLECTION CONTRACTS
02-OCT-2015	61,954	VIRGIN MEDIA BUSINESS	INFORMATION COMMUNICATIONS TECHNOLOGY	IT RENTALS
02-OCT-2015	8,238	VIRGIN MEDIA BUSINESS	INFORMATION COMMUNICATIONS TECHNOLOGY	IT RENTALS
02-OCT-2015	593	VISMETRICS UK LTD	COMMUNITY JUSTICE AND CUSTODY	MAINTENANCE / SERVICING OF EQUIPMENT
02-OCT-2015	600	WEDNESFIELD UNITED FC	BALANCE SHEET	PAYMENTS RAISED
02-OCT-2015	767	WEST MERCIA POLICE AND CRIME COMMISSIONER	FORCE CO-ORDINATION AND TASKING - ALLOCATED CONTINGENCY	MUTUAL AID FROM OTHER FORCES
02-OCT-2015	1,860	WEST MERCIA POLICE AND CRIME COMMISSIONER	OPERATIONS	POLICE TRAINING COURSES
02-OCT-2015	1,974	WEST MID POL SSC - HOSPITALITY	CORPORATE COMMUNICATIONS	AWARDS / PRESENTATIONS / TESTIMONIALS
02-OCT-2015	1,218	WEST MID POL SSC - HOSPITALITY	COMMUNITY JUSTICE AND CUSTODY - EXTERNALLY FUNDED	HOSPITALITY / PRESENTATIONS
05-OCT-2015	33,668	ALLSTAR BUSINESS SOLUTIONS LTD	CORPORATE ASSET MANAGEMENT	FUEL ISSUES
05-OCT-2015	1,957	ALLSTAR BUSINESS SOLUTIONS LTD	CORPORATE ASSET MANAGEMENT	FUEL ISSUES
05-OCT-2015	3,419	ALLSTAR BUSINESS SOLUTIONS LTD	CORPORATE ASSET MANAGEMENT	FUEL ISSUES
05-OCT-2015	936	ARNOLD ENGINEERING PLASTICS LTD	BALANCE SHEET	ADDITIONS IN YEAR
05-OCT-2015	1,298	BIDVEST FOODSERVICE	COMMUNITY JUSTICE AND CUSTODY	ORDINARY PRISONERS MEALS
05-OCT-2015	775	BRUNCH BITE LTD	POLICING SPORTING EVENTS	GENERAL SUBSISTENCE
05-OCT-2015	1,350		BALANCE SHEET	COUNSELS FEES
05-OCT-2015	1,877	CORONA ENERGY	CUST NEW CUSTODY SUITE OLDBURY PROJECT	ELECTRICITY
05-OCT-2015	21,250	CRIMESTOPPERS	INTELLIGENCE	CONTRIB TO PARTNER AGENCIES (incl SSC)
05-OCT-2015	1,168	Casillon PLC	CORPORATE ASSET MANAGEMENT	PROPERTY MAINTENANCE HOLDING CODE

07-OCT-2015	800 TRIOS	CORPORATE ASSET MANAGEMENT	PROPERTY MAINTENANCE HOLDING CODE
07-OCT-2015	1870 VR FORENSICS	FORENSICS DEPT	FORENSIC SERIOUS CRIME
07-OCT-2015	855 VR FORENSICS	FORENSICS DEPT	FORENSIC SERIOUS CRIME
07-OCT-2015	1,129 W RIDLEY & CO LTD	BALANCE SHEET	ADDITIONS IN YEAR
07-OCT-2015	765 WEST MID POL SSC - HOSPITALITY	CMPG	HOSPITALITY / PRESENTATIONS
07-OCT-2015	15,443 WEST WAY BIRMINGHAM NISSAN	CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
07-OCT-2015	1,666,137 Willmott Dixon Construction Ltd.	CAPITAL PAYMENTS IN YEAR	MAIN CONTRACTOR - MAJOR WORKS
08-OCT-2015	800 BORN TO PERFORM	BALANCE SHEET	PAYMENTS RAISED
08-OCT-2015	2,900 CIVICA UK LTD	INFORMATION COMMUNICATIONS TECHNOLOGY	IT SOFTWARE LICENCES
08-OCT-2015	1,313 DEFENSOR MAINTENANCE LTD	CORPORATE ASSET MANAGEMENT	CORRECTIVE MECHANICAL & ELECTRICAL MAINTENANCE
08-OCT-2015	3,270 E & S MOTORS LTD	VEHICLE RECOVERY - EXTERNALLY FUNDED	STATUTORY VEHICLE FEE REIMBURSEMENT
08-OCT-2015	5,890 E & S MOTORS LTD	VEHICLE RECOVERY - EXTERNALLY FUNDED	STATUTORY VEHICLE FEE REIMBURSEMENT
08-OCT-2015	1,040 DTZ VENUES	WEST MIDLANDS OFFICE FOR POLICING AND CRIME	CHIEF OFFICER RECRUITMENT
08-OCT-2015	1,500 OPEN FOR CASH - DC S BOLAND 8242	INTEL - CONTINGENCY OPERATIONS	OTHER MISCELLANEOUS EXPENSES
08-OCT-2015	1,000 OPEN FOR CASH - DC S BOLAND 8242	INTELLIGENCE - EXTERNALLY FUNDED	OTHER MISCELLANEOUS EXPENSES
08-OCT-2015	4,090 RANDSTAD EMPLOYMENT BUREAU LTD	SHARED SVS - INCL FNC FR APR 14	POLICE STAFF TEMPORARY STAFF
08-OCT-2015	1,164 RANDSTAD EMPLOYMENT BUREAU LTD	HUMAN RESOURCES	POLICE STAFF TEMPORARY STAFF
08-OCT-2015	725 RANDSTAD EMPLOYMENT BUREAU LTD	COMMUNITY JUSTICE AND CUSTODY	POLICE STAFF TEMPORARY STAFF
08-OCT-2015	2,705 RANDSTAD EMPLOYMENT BUREAU LTD	COMMUNITY JUSTICE AND CUSTODY	POLICE STAFF TEMPORARY STAFF
08-OCT-2015	31,725 STAFFORDSHIRE AND WEST MIDLANDS CRC LTD	WEST MIDLANDS OFFICE FOR POLICING AND CRIME	CONTRIB TO PARTNER AGENCIES (incl SSC)
08-OCT-2015	5,125 TYCO INTEGRATED FIRE & SECURITY	CONTACT AND COMMUNICATIONS	MAINTENANCE / SERVICING OF EQUIPMENT
08-OCT-2015	2,160 WALMLEY REPAIR & CARE	CORPORATE ASSET MANAGEMENT	OUTSOURCED WORK - FLEET ONLY
09-OCT-2015	1,800	FORCE CID	HOME OFFICE PATHOLOGISTS FEES
09-OCT-2015	8,754 ALERE TOXICOLOGY PLC	COMMUNITY JUSTICE AND CUSTODY	DRUG TESTING
09-OCT-2015	600 BAROUES DESIGN TEAM	WEST MIDLANDS OFFICE FOR POLICING AND CRIME	PCC WEBSITE (PREV POLICE AUTHORITY)
09-OCT-2015	547 BEELINE PROMOTIONAL PRODUCTS	FORCE CO-ORDINATION AND TASKING	PURCHASE OF EQUIPMENT
09-OCT-2015	11,505 CELLXION LTD	FORCE CO-ORDINATION AND TASKING	MINOR IT EQUIPMENT (DEVOLVED)
09-OCT-2015	605	OPERATIONS	SEIZURE OF DANGEROUS DOGS
09-OCT-2015	25,633 CLSH MANAGEMENT LTD	CORPORATE ASSET MANAGEMENT	SERVICE CHARGES FOR LEASED PROPERTY
09-OCT-2015	146,625 CLSH MANAGEMENT LTD	CORPORATE ASSET MANAGEMENT	RENTAL OF PREMISES
09-OCT-2015	1,077 Coonen Defence	BALANCE SHEET	ADDITIONS IN YEAR
09-OCT-2015	1,655 Coonen Defence	BALANCE SHEET	ADDITIONS IN YEAR
09-OCT-2015	962 DTZ DEBENHAM TIE LEUNG	CORPORATE ASSET MANAGEMENT	SERVICE CHARGES FOR LEASED PROPERTY
09-OCT-2015	962 DTZ DEBENHAM TIE LEUNG	CORPORATE ASSET MANAGEMENT	SERVICE CHARGES FOR LEASED PROPERTY
09-OCT-2015	979 DTZ DEBENHAM TIE LEUNG	CORPORATE ASSET MANAGEMENT	SERVICE CHARGES FOR LEASED PROPERTY
09-OCT-2015	1,932 DTZ DEBENHAM TIE LEUNG	CORPORATE ASSET MANAGEMENT	ELECTRICITY
09-OCT-2015	2,301 DTZ DEBENHAM TIE LEUNG	CORPORATE ASSET MANAGEMENT	ELECTRICITY
09-OCT-2015	2,103 DTZ DEBENHAM TIE LEUNG	CORPORATE ASSET MANAGEMENT	ELECTRICITY
09-OCT-2015	1,200 DWF LLP	LEGAL SERVICES	CONVEYANCING OUTSIDE SOLIC FEES
09-OCT-2015	8,037 EDF ENERGY 1 LIMITED	CUST NEW CUSTODY SUITE OLDBURY PROJECT	ELECTRICITY
09-OCT-2015	1,100 IMMOBILE EUROPE LIMITED	INFORMATION COMMUNICATIONS TECHNOLOGY	IT RENTALS
09-OCT-2015	1,100 IMMOBILE EUROPE LIMITED	INFORMATION COMMUNICATIONS TECHNOLOGY	IT RENTALS
09-OCT-2015	4,121 MTIE TECHNICAL FACILITIES MANAGEMENT	CORPORATE ASSET MANAGEMENT	GEN MAINTENANCE - STOCK CONDITION WORKS
09-OCT-2015	520 MVUK 1/a YAFFY	BALANCE SHEET	ADDITIONS IN YEAR
09-OCT-2015	700	COMMUNITY JUSTICE AND CUSTODY	INTERPRETERS FEES
09-OCT-2015	699 NETWORK VENTURES LTD	CORPORATE ASSET MANAGEMENT	POLICE STAFF TEMPORARY STAFF
09-OCT-2015	697 NETWORK VENTURES LTD	CORPORATE ASSET MANAGEMENT	POLICE STAFF TEMPORARY STAFF
09-OCT-2015	596 NETWORK VENTURES LTD	CORPORATE ASSET MANAGEMENT	POLICE STAFF TEMPORARY STAFF
09-OCT-2015	703 NETWORK VENTURES LTD	CORPORATE ASSET MANAGEMENT	POLICE STAFF TEMPORARY STAFF
09-OCT-2015	699 NETWORK VENTURES LTD	CORPORATE ASSET MANAGEMENT	POLICE STAFF TEMPORARY STAFF
09-OCT-2015	694 NETWORK VENTURES LTD	CORPORATE ASSET MANAGEMENT	POLICE STAFF TEMPORARY STAFF
09-OCT-2015	690 NETWORK VENTURES LTD	CORPORATE ASSET MANAGEMENT	POLICE STAFF TEMPORARY STAFF
09-OCT-2015	3,248 NLA MEDIA ACCESS LIMITED	CORPORATE COMMUNICATIONS	IT SOFTWARE LICENCES
09-OCT-2015	979 National Crime Agency	REGIONAL ORGANISED CRIME UNIT	ICT TRAINING COURSES
09-OCT-2015	13,757 OFFICE OF POLICE & CRIME COMMISSIONER FOR STAFFORDSHIRE POLICE	FORCE CO-ORDINATION AND TASKING - ALLOCATED CONTINGENCY	MUTUAL AID FROM OTHER FORCES
09-OCT-2015	1,407 PROVIDENCE UK ITF LTD	INTELLIGENCE	PURCHASE OF EQUIPMENT
09-OCT-2015	500	LEGAL SERVICES	LITIGATION - NON-INSURANCE
09-OCT-2015	1,814 SONIC COMMUNICATIONS (INTL) LTD	OPERATIONS	PURCHASE OF EQUIPMENT
09-OCT-2015	506 SONIC COMMUNICATIONS (INTL) LTD	BALANCE SHEET	ADDITIONS IN YEAR
09-OCT-2015	4,346 SOUTH STAFFS WATER	CORPORATE ASSET MANAGEMENT	WATER/SEWERAGE - MEASURED
09-OCT-2015	947 SYTNER BIRMINGHAM	CORPORATE ASSET MANAGEMENT	MATERIALS/PARTS - STOCK ISSUES
09-OCT-2015	3,471 TRIOS	PMO FRONT OFFICES PROJECT	IT CABLING
09-OCT-2015	4,655 TRIOS	CORPORATE ASSET MANAGEMENT	DILAPIDATIONS & DISPOSAL COSTS
09-OCT-2015	5,769 TRIOS	PMO FRONT OFFICES PROJECT	TANNO SYSTEMS
09-OCT-2015	2,538 UNIVERSITY HOSPITAL COVENTRY/WARWICKSHIRE NHS TRUST	FORCE CID	HOME OFFICE PATHOLOGISTS FEES
09-OCT-2015	6,676 VIRGIN MEDIA BUSINESS	INFORMATION COMMUNICATIONS TECHNOLOGY	IT RENTALS
09-OCT-2015	945 VISIMETRICS UK LTD	COMMUNITY JUSTICE AND CUSTODY	MAINTENANCE / SERVICING OF EQUIPMENT
09-OCT-2015	31,786 VOLKSWAGEN GROUP UK LTD	CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
09-OCT-2015	500 W A PRODUCTS	SHARED SVS - INCL FNC FR APR 14	SPECIFIC CONSUMABLES
13-OCT-2015	4,470 AI TRAINING SERVICES LTD	LEARNING AND DEVELOPMENT	POLICE TRAINING COURSES
13-OCT-2015	661 ARKIS LTD	BALANCE SHEET	ADDITIONS IN YEAR
13-OCT-2015	552 Arrow County Supplies	CORPORATE ASSET MANAGEMENT	PREMISES - CLEANING MATERIALS
13-OCT-2015	517 Arrow County Supplies	CORPORATE ASSET MANAGEMENT	PREMISES - CLEANING MATERIALS
13-OCT-2015	943 BIVEST FOODSERVICE	COMMUNITY JUSTICE AND CUSTODY	ORDINARY PRISONERS MEALS
13-OCT-2015	662 BIRMINGHAM VOLUNTARY SERV CL	CORPORATE ASSET MANAGEMENT	MATERIALS/PARTS - STOCK ISSUES
13-OCT-2015	700 BLAZIE ENGINEERING LTD	WEST MIDLANDS OFFICE FOR POLICING AND CRIME	PUBLIC ENGAGEMENT
13-OCT-2015	23,848 BMW AUTHORITIES DEPARTMENT	CAPITAL PAYMENTS IN YEAR	ICT & GENERAL EQUIPMENT
13-OCT-2015	23,848 BMW AUTHORITIES DEPARTMENT	CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
13-OCT-2015	1,375 BRUNCH BITE LTD	CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
13-OCT-2015	12,687 CAPITA GROUP PLC	CAPITAL PAYMENTS IN YEAR	GENERAL SUBSISTENCE
13-OCT-2015	1,188 CAR-PORIT UK	CAPITAL PAYMENTS IN YEAR	SOFTWARE
13-OCT-2015	550 CCL FORENSICS LTD	CORPORATE ASSET MANAGEMENT	SPOT HIRE TRANSPORT
13-OCT-2015	7,878 CELLMARK	INTELLIGENCE	FORENSIC CELLSITE ANALYSIS
13-OCT-2015	1,480 COLLEGE OF POLICING	FORENSICS DEPT	DNA PAGE
13-OCT-2015	1,072	LEARNING AND DEVELOPMENT	POLICE TRAINING COURSES
13-OCT-2015	552	BALANCE SHEET	PAYMENTS RAISED
13-OCT-2015	883 ERDINGTON ACCIDENT REPAIR CTR	BALANCE SHEET	PAYMENTS RAISED
13-OCT-2015	508 ERDINGTON ACCIDENT REPAIR CTR	BALANCE SHEET	EXTERNAL REPAIRS
13-OCT-2015	826 ERDINGTON ACCIDENT REPAIR CTR	BALANCE SHEET	EXTERNAL REPAIRS
13-OCT-2015	771 ERDINGTON ACCIDENT REPAIR CTR	BALANCE SHEET	EXTERNAL REPAIRS
13-OCT-2015	4,205	BALANCE SHEET	PAYMENTS RAISED
13-OCT-2015	860 ETC VENUES	WEST MIDLANDS OFFICE FOR POLICING AND CRIME	CHIEF OFFICER RECRUITMENT
13-OCT-2015	5,973 EXPERIAN LTD	FORCE CID	OTHER PROFESSIONAL SERVICE
13-OCT-2015	10,694 GENERAL ASPHALTE CO LTD	CORPORATE ASSET MANAGEMENT	MINOR WORKS (BUILDINGS)
13-OCT-2015	7,108 GEOFF SMITH ASSOCIATES LTD	INFORMATION COMMUNICATIONS TECHNOLOGY	IT SOFTWARE LICENCES
13-OCT-2015	890 GRIFFIN VIDEO COMMUNICATIONS	INFORMATION COMMUNICATIONS TECHNOLOGY	MINOR IT EQUIPMENT (DEVOLVED)
13-OCT-2015	5,890 GUEST MOTORS LTD	CORPORATE ASSET MANAGEMENT	OUTSOURCED WORK - FLEET ONLY
13-OCT-2015	357 HAYS SPECIALIST RECRUITMENT LIMITED	COMMUNITY JUSTICE AND CUSTODY	POLICE STAFF TEMPORARY STAFF
13-OCT-2015	9,322 HTEC SPORTS UK LTD	BALANCE SHEET	ADDITIONS IN YEAR
13-OCT-2015	800 HMCTS	BALANCE SHEET	PAYMENTS RAISED
13-OCT-2015	7,320 HMCTS	BALANCE SHEET	PAYMENTS RAISED
13-OCT-2015	1,635 HMCTS	BALANCE SHEET	PAYMENTS RAISED
13-OCT-2015	4,038 HMCTS	BALANCE SHEET	PAYMENTS RAISED
13-OCT-2015	610	BALANCE SHEET	PAYMENTS RAISED
13-OCT-2015	1,632	BALANCE SHEET	PAYMENTS RAISED
13-OCT-2015	1,561	BALANCE SHEET	PAYMENTS RAISED
13-OCT-2015	625	INTELLIGENCE	RENTAL OF PREMISES
13-OCT-2015	500 LADBROOKES	BALANCE SHEET	PAYMENTS RAISED
13-OCT-2015	750 LIMIT POINT LOGISTICS	OPERATIONS - EXTERNALLY FUNDED	COURSE SPEAKERS
13-OCT-2015	9,353 LOOKERS	CORPORATE ASSET MANAGEMENT	MATERIALS/PARTS - STOCK ISSUES
13-OCT-2015	16,345 LOOKERS	CORPORATE ASSET MANAGEMENT	MATERIALS/PARTS - STOCK ISSUES
13-OCT-2015	2,551 MAINTEL EUROPE LTD	INFORMATION COMMUNICATIONS TECHNOLOGY	IT HARDWARE LICENCES
13-OCT-2015	855 MARTINI VEHICLE RECOVERY LTD	VEHICLE RECOVERY SCHEME	REMOVAL OF VEHICLES
13-OCT-2015	1,040 MARTINI VEHICLE RECOVERY LTD	VEHICLE RECOVERY SCHEME	REMOVAL OF VEHICLES
13-OCT-2015	585 MCET	CORPORATE ASSET MANAGEMENT	MAINTENANCE / SERVICING OF EQUIPMENT
13-OCT-2015	585 MCET	CORPORATE ASSET MANAGEMENT	MAINTENANCE / SERVICING OF EQUIPMENT
13-OCT-2015	585 MCET	CORPORATE ASSET MANAGEMENT	MAINTENANCE / SERVICING OF EQUIPMENT
13-OCT-2015	5,000 MCGRATH LITIGATION PARTNERSHIP SOLICITORS	CORPORATE ASSET MANAGEMENT	PLAINTIFFS COSTS
13-OCT-2015	1,600 MEDICAL ADVISORY & SUP SER LTD	BALANCE SHEET	POLICE TRAINING COURSES
13-OCT-2015	1,050 MEDICAL ADVISORY & SUP SER LTD	OPERATIONS	POLICE TRAINING COURSES
13-OCT-2015	1,468 MHS ALARM SERVICES LTD	CORPORATE ASSET MANAGEMENT	CORRECTIVE MECHANICAL & ELECTRICAL MAINTENANCE
13-OCT-2015	1,094 REDACTED	PUBLIC PROTECTION	HOSPITAL DOCTORS FEES
13-OCT-2015	1,794 RYS CORPORATE LTD	FORCE CID	TRAVEL EXPENSES
13-OCT-2015	1,440 REDACTED	BALANCE SHEET	PAYMENTS RAISED
13-OCT-2015	597 PARTS WEST MIDLANDS	CORPORATE ASSET MANAGEMENT	MATERIALS/PARTS - STOCK ISSUES
13-OCT-2015	4,000 PINSNETS	LEGAL SERVICES	CONVEYANCING OUTSIDE SOLIC FEES
13-OCT-2015	16,560 PINSNETS	LEGAL SERVICES	CONVEYANCING OUTSIDE SOLIC FEES
13-OCT-2015	8,984 PINSNETS	LEGAL SERVICES	CONVEYANCING OUTSIDE SOLIC FEES
13-OCT-2015	8,497 PINSNETS	LEGAL SERVICES	CONVEYANCING OUTSIDE SOLIC FEES
13-OCT-2015	4,200 PINSNETS	LEGAL SERVICES	CONVEYANCING OUTSIDE SOLIC FEES
13-OCT-2015	509 PITNEY BOWES LTD	SHARED SVS - INCL FNC FR APR 14	POSTAGES
13-OCT-2015	1,095 POLICE AND CRIME COMMISSIONER FOR GREATER MANCHESTER	FORCE CO-ORDINATION AND TASKING - ALLOCATED CONTINGENCY	MUTUAL AID FROM OTHER FORCES
13-OCT-2015	11,616 POLICE SERV FOR NORTHERN IRELAND	COMMAND TEAM	POLICE PAY
13-OCT-2015	1,438	HUMAN RESOURCES	OTHER PROFESSIONAL SERVICE
13-OCT-2015	1,000	FORCE CID	OTHER PROFESSIONAL SERVICE
13-OCT-2015	972 PSL PRINT MANAGEMENT LTD	CORPORATE ASSET MANAGEMENT	PRINTING
13-OCT-2015	885 R.L.L. POPPY	CORPORATE ASSET MANAGEMENT	HOSPITALITY / PRESENTATIONS
13-OCT-2015	3,160 RAPID AUTO BODY REPAIRS LTD	BALANCE SHEET	EXTERNAL REPAIRS

PAYMENT_DATE	TOTAL_NET_AMT	SUPPLIER_NAME	RESPONSIBILITY_DESC	SUBJECT_DESC
01-APR-2015	1138	3663	COMMUNITY JUSTICE AND CUSTODY	ORDINARY PRISONERS MEALS
01-APR-2015	18500	3G FORENSICS LTD	CTU - MAIN GRANT	MINOR IT EQUIPMENT (DEVOLVED)
01-APR-2015	1627	ALLSTAR BUSINESS SOLUTIONS LTD	CORPORATE ASSET MANAGEMENT	FUEL ISSUES
01-APR-2015	1588	ALLSTAR BUSINESS SOLUTIONS LTD	CORPORATE ASSET MANAGEMENT	FUEL ISSUES
01-APR-2015	1014	ALLSTAR BUSINESS SOLUTIONS LTD	CORPORATE ASSET MANAGEMENT	FUEL ISSUES
01-APR-2015	37336	ALLSTAR BUSINESS SOLUTIONS LTD	CORPORATE ASSET MANAGEMENT	FUEL ISSUES
01-APR-2015	566	ALLSTAR BUSINESS SOLUTIONS LTD	CORPORATE ASSET MANAGEMENT	FUEL ISSUES
01-APR-2015	1906	ALLSTAR BUSINESS SOLUTIONS LTD	CORPORATE ASSET MANAGEMENT	FUEL ISSUES
01-APR-2015	3103	ALLSTAR BUSINESS SOLUTIONS LTD	CORPORATE ASSET MANAGEMENT	FUEL ISSUES
01-APR-2015	4288	AMNE STUDD	LEGAL SERVICES	LEGAL - OTHERS
01-APR-2015	600	AQUAD (BIRMINGHAM CENTRAL)	BIRMINGHAM EAST LPU	DRINKING WATER PROVISION
01-APR-2015	842	ARGOS BUSINESS SOLUTIONS	SOULHILL LPU - EXTERNALLY FUNDED	HOSPITALITY / PRESENTATIONS
01-APR-2015	2136	Adams Enclosure Ltd	CAPITAL PAYMENTS IN YEAR	ICT & GENERAL EQUIPMENT
01-APR-2015	4536	BADGER SOFTWARE	CTU - MAIN GRANT	MAINTENANCE / SERVICING OF EQUIPMENT
01-APR-2015	4378	BIRMINGHAM AIRPORT LTD	CTU - FORCE MANAGED	SERVICE CHARGES FOR LEASED PROPERTY
01-APR-2015	623	BLAZE ENGINEERING LTD	HUMAN RESOURCES	HRF - PROV OF ADJ FOR EQUALITY & DIVERSITY
01-APR-2015	2800	BROOKEND BOARDING KENNELS & CATTERY	OPERATIONS	SEIZURE OF DANGEROUS DOGS
01-APR-2015	631	BRUNCH BITE LTD	CTU - MAIN GRANT	HOSPITALITY / PRESENTATIONS
01-APR-2015	2135	CAPITA SECURE INFORMATION SOLUTIONS	INFORMATION COMMUNICATIONS TECHNOLOGY	IT SPECIAL EQUIPMENT
01-APR-2015	650	CELLMARK	FORENSICS DEPT	FORENSIC SERIOUS CRIME
01-APR-2015	11888	CELLMARK	FORENSICS DEPT	FORENSIC SERIOUS CRIME
01-APR-2015	5092	CELLMARK	FORENSICS DEPT	DNA PACE
01-APR-2015	15295	CELLMARK	FORENSICS DEPT	DNA PACE
01-APR-2015	11255	CELLMARK	FORENSICS DEPT	DNA PACE
01-APR-2015	2467	COLLEGE OF POLICING	LEARNING AND DEVELOPMENT	POLICE TRAINING COURSES
01-APR-2015	4000	COMMON PURPOSE UK	LEARNING AND DEVELOPMENT	POLICE TRAINING COURSES
01-APR-2015	934	CPC	CTU - MAIN GRANT	PURCHASE OF EQUIPMENT
01-APR-2015	1750	DEBRA POWELL	LEGAL SERVICES	LEGAL DISCIPLINE
01-APR-2015	13875	DUNEDIN PROPERTY	CORPORATE ASSET MANAGEMENT	CAR PARK RENTS
01-APR-2015	9038	EACHWAY SERVICES LTD	CTU - MAIN GRANT	IMPROVEMENTS & ALTERATIONS
01-APR-2015	5154	EACHWAY SERVICES LTD	CTU - MAIN GRANT	IMPROVEMENTS & ALTERATIONS
01-APR-2015	1000	ERDINGTON LITTLE LEAGUE NETBALL	BALANCE SHEET	PAYMENTS RAISED
01-APR-2015	960	EXCEL WITH BUSINESS	INTELLIGENCE - EXTERNALLY FUNDED	OTHER PROFESSIONAL SERVICE
01-APR-2015	1330	FLEET PARTS LTD	INFORMATION COMMUNICATIONS TECHNOLOGY	SOFTWARE SUPPORT & MATERIALS
01-APR-2015	1910	FONE FUN SHOP LTD	CTU - MAIN GRANT	MINOR IT EQUIPMENT (DEVOLVED)
01-APR-2015	525	FORENSIC PATHOLOGY SERVICES	FORCE CID	HOME OFFICE PATHOLOGISTS FEES
01-APR-2015	10330	FOSTER & FREEMAN LTD	FORENSICS DEPT	PURCHASE OF EQUIPMENT
01-APR-2015	37683	FOSTER & FREEMAN LTD	FORENSICS DEPT	PURCHASE OF EQUIPMENT
01-APR-2015	3842	GEOFF SMITH ASSOCIATES LTD	INFORMATION COMMUNICATIONS TECHNOLOGY	IT SOFTWARE LICENCES
01-APR-2015	10400	GEOFF SMITH ASSOCIATES LTD	INFORMATION COMMUNICATIONS TECHNOLOGY	IT SOFTWARE LICENCES
01-APR-2015	1440	GRIFFIN VIDEO COMMUNICATIONS	BUSINESS TRANSFORMATION	IT BOUGHT IN SERVICES
01-APR-2015	675	HAYS SPECIALIST RECRUITMENT LIMITED	COMMUNITY JUSTICE AND CUSTODY	POLICE STAFF TEMPORARY STAFF
01-APR-2015	657	HAYS SPECIALIST RECRUITMENT LIMITED	COMMUNITY JUSTICE AND CUSTODY	POLICE STAFF TEMPORARY STAFF
01-APR-2015	645	HAYS SPECIALIST RECRUITMENT LIMITED	COMMUNITY JUSTICE AND CUSTODY	POLICE STAFF TEMPORARY STAFF

20-APR-2015	5002	TRIOS	CORPORATE ASSET MANAGEMENT		MAINTENANCE CONTRACTS (INC TERM)
20-APR-2015	1202	TRIOS	CORPORATE ASSET MANAGEMENT		MAINTENANCE CONTRACTS (INC TERM)
20-APR-2015	11961	TRIOS	CORPORATE ASSET MANAGEMENT		MAINTENANCE CONTRACTS (INC TERM)
20-APR-2015	5916	TRIOS	CORPORATE ASSET MANAGEMENT		MAINTENANCE CONTRACTS (INC TERM)
20-APR-2015	5321	TRIOS	CORPORATE ASSET MANAGEMENT		CORRECTIVE BUILDING MTC
20-APR-2015	21686	TRIOS	CAPITAL PAYMENTS IN YEAR		ICT & GENERAL EQUIPMENT
20-APR-2015	4472	TRIOS	CORPORATE ASSET MANAGEMENT		CORRECTIVE MECHANICAL & ELECTRICAL MAINTENANCE
20-APR-2015	7253	TRIPLE WOOD ASSOCIATES LLP	REGIONAL ORGANISED CRIME UNIT		CONSULTANTS FEES
20-APR-2015	50800	VELOCITY INTERACTIVE LTD	CAPITAL PAYMENTS IN YEAR		SOFTWARE
20-APR-2015	118616	Warwickshire Police and Crime Commissioner	PENSIONS		PENSION LIABILITY FROM FORMER L.A.
21-APR-2015	1242	ALERE TOXICOLOGY PIC	COMMUNITY JUSTICE AND CUSTODY		DRUG TESTING
21-APR-2015	4888	BEPFORSIHRE POLICE AUTHORITY	CTU - ORGANISATIONAL DEVELOPMENT UNIT		OFFICER SALARY COSTS
21-APR-2015	820	BIKERS WEAR LIMITED	OPERATIONS - EXTERNALLY FUNDED		PURCHASE OF EQUIPMENT
21-APR-2015	1109	BIRMINGHAM VOLUNTARY SERV CL	WEST MIDLANDS OFFICE FOR POLICING AND CRIME		PUBLIC ENGAGEMENT
21-APR-2015	3436	BRITISH GAS	CORPORATE ASSET MANAGEMENT		ELECTRICITY
21-APR-2015	959	BRITISH GAS	CORPORATE ASSET MANAGEMENT		ELECTRICITY
21-APR-2015	835	BRITISH GAS	CORPORATE ASSET MANAGEMENT		ELECTRICITY
21-APR-2015	568	BRITISH GAS	CORPORATE ASSET MANAGEMENT		ELECTRICITY
21-APR-2015	1188	BRITISH GAS	CORPORATE ASSET MANAGEMENT		ELECTRICITY
21-APR-2015	811	BRITISH GAS	CORPORATE ASSET MANAGEMENT		ELECTRICITY
21-APR-2015	1684	BRITISH GAS	CORPORATE ASSET MANAGEMENT		ELECTRICITY
21-APR-2015	541	BRITISH GAS	CORPORATE ASSET MANAGEMENT		ELECTRICITY
21-APR-2015	842	BRITISH GAS	CORPORATE ASSET MANAGEMENT		ELECTRICITY
21-APR-2015	1181	BRITISH GAS	CORPORATE ASSET MANAGEMENT		ELECTRICITY
21-APR-2015	1329	BRITISH GAS	CORPORATE ASSET MANAGEMENT		ELECTRICITY
21-APR-2015	576	BURNIT TREE GROUP LIMITED	CORPORATE ASSET MANAGEMENT		SPOT HIRE TRANSPORT
21-APR-2015	576	BURNIT TREE GROUP LIMITED	CORPORATE ASSET MANAGEMENT		SPOT HIRE TRANSPORT
21-APR-2015	984	CALL PRINT	DESIGN & PRINT		PRINTING
21-APR-2015	7500	CAPITA SECURE MOBILE SOLUTIONS	INFORMATION COMMUNICATIONS TECHNOLOGY		SOFTWARE SUPPORT & MATERIALS
21-APR-2015	8561	CELMARK	FORENSICS DEPT		DNA PACE
21-APR-2015	10055	CELIMARK	FORENSICS DEPT		DNA PACE
21-APR-2015	1445	CELLAXION LTD	INTELLIGENCE		PURCHASE OF EQUIPMENT
21-APR-2015	9650	COBHAM TCS LTD	CTU - MAIN GRANT		SOFTWARE SUPPORT & MATERIALS
21-APR-2015	1097	CONTECH CONSTRUCTION LTD	CTU - MAIN GRANT		IMPROVEMENTS & ALTERATIONS
21-APR-2015	1965	CONTECH CONSTRUCTION LTD	CTU - MAIN GRANT		IMPROVEMENTS & ALTERATIONS
21-APR-2015	15947	CSA WAVERLEY LTD	INFORMATION COMMUNICATIONS TECHNOLOGY		SOFTWARE SUPPORT & MATERIALS
21-APR-2015	4421	Carillion PLC	CORPORATE ASSET MANAGEMENT		IMPROVEMENTS & ALTERATIONS
21-APR-2015	728	Carillion PLC	CORPORATE ASSET MANAGEMENT		PROPERTY MAINTENANCE HOLDING CODE
21-APR-2015	1000	DARTMOUTH NEIGHBOURHOOD FORUM	REGIONAL ORGANISED CRIME UNIT		PAYMENTS RAISED
21-APR-2015	562	DV247 Ltd	REGIONAL ORGANISED CRIME UNIT		PURCHASE OF EQUIPMENT
21-APR-2015	687	DWP	BALANCE SHEET		DAMAGES
21-APR-2015	2392	DWP	BALANCE SHEET		DAMAGES
21-APR-2015	769	EACHWAY SERVICES LTD	CTU - MAIN GRANT		IMPROVEMENTS & ALTERATIONS
21-APR-2015	1900	EACHWAY SERVICES LTD	CTU - MAIN GRANT		IMPROVEMENTS & ALTERATIONS
21-APR-2015	1816	EACHWAY SERVICES LTD	CTU - MAIN GRANT		IMPROVEMENTS & ALTERATIONS
21-APR-2015	1086	EACHWAY SERVICES LTD	CTU - MAIN GRANT		MECHANICAL & ELECTRICAL PLANNED MTC
21-APR-2015	1139	EACHWAY SERVICES LTD	CTU - MAIN GRANT		IMPROVEMENTS & ALTERATIONS

PAYMENT DATE	TOTAL NET AMT	SUPPLIER NAME	RESPONSIBILITY_DESC	SUBJECT_DESC
01-NOV-2013	2,491	2,491	POLICE AUTHORITY GENERAL BALANCE SHEET	PAYMENTS RAISED
01-NOV-2013	7,657	BAYTERSTOKEY LTD	LEARNING AND DEVELOPMENT	CATERING SUBSIDY
01-NOV-2013	2,175	BIRMINGHAM CITY UNIVERSITY	LEARNING AND DEVELOPMENT	POLICE TRAINING COURSES
01-NOV-2013	2,250	BLAZIE ENGINEERING LTD	CONTACT AND COMMUNICATIONS	OTHER PROFESSIONAL SERVICE
01-NOV-2013	718	CABLE & WIRELESS	INFORMATION SERVICES - IT PROJECTS - DO NOT USE	IT RENTALS
01-NOV-2013	38,393	CAPITA SECURE INFORMATION SOLUTIONS	INFORMATION SERVICES - IT PROJECTS - DO NOT USE	IT BOUTGHT IN SERVICES
01-NOV-2013	2,279	CIVIL DEFENCE SUPPLY LTD	POLICE AUTHORITY GENERAL BALANCE SHEET	ADDITIONS IN YEAR
01-NOV-2013	1,944	CYCLE SERVICES 2U	BIRMINGHAM WEST AND CENTRAL LPU	OTHER PROFESSIONAL SERVICE
01-NOV-2013	6,193	EXPERT SVOL LTD	CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
01-NOV-2013	2,485	FORENSIC PATHOLOGY SERVICES	FORCE CID	HOME OFFICE PATHOLOGISTS FEES
01-NOV-2013	2,485	FORENSIC PATHOLOGY SERVICES	FORCE CID	HOME OFFICE PATHOLOGISTS FEES
01-NOV-2013	2,485	FORENSIC PATHOLOGY SERVICES	FORCE CID	HOME OFFICE PATHOLOGISTS FEES
01-NOV-2013	1,285	FORENSIC SCIENCE SERVICE	FORENSICS DEPT - FORCE CID	ADDITIONS IN YEAR
01-NOV-2013	2,600	FORENSIC VIDEO SERVICES	FLEET SERVICES - CENTRAL ACTIVITIES	FORENSIC FACIL MAPPING
01-NOV-2013	669	GOODYEAR GREAT BRITAIN LTD	FLEET SERVICES - CENTRAL ACTIVITIES	TYRES AND TUBES
01-NOV-2013	669	GOODYEAR GREAT BRITAIN LTD	POLICE AUTHORITY GENERAL BALANCE SHEET	PAYMENTS RAISED
01-NOV-2013	1,975	HMCTS	SHARED SERVICES	SMALL CLAIMS
01-NOV-2013	1,140	1,140	SHARED SERVICES	ADDITIONS IN YEAR
01-NOV-2013	4,123	LEDCCO	POLICE AUTHORITY GENERAL BALANCE SHEET	R50-COM INITIATIVE FUND
01-NOV-2013	750	LVE TOWN FC	POLICE AUTHORITY GENERAL BALANCE SHEET	PAYMENTS RAISED
01-NOV-2013	610	610	POLICE AUTHORITY GENERAL BALANCE SHEET	TRAVEL EXPENSES
01-NOV-2013	754	NVS CORPORATE LTD	PROPERTY SERVICES	CORRECTIVE BUILDING MICE
01-NOV-2013	540	PARKWAY GROUNDS MAINT LTD	PROPERTY SERVICES	LEGAL - OTHERS
01-NOV-2013	26,904	PINSENTS	BUSINESS TRANSFORMATION	POLICE STAFF TEMPORARY STAFF
01-NOV-2013	2,422	RANDSTAD EMPLOYMENT BUREAU LTD	COMMUNITY JUSTICE AND CUSTODY	POLICE STAFF TEMPORARY STAFF
01-NOV-2013	1,816	RANDSTAD EMPLOYMENT BUREAU LTD	COMMUNITY JUSTICE AND CUSTODY	POLICE STAFF TEMPORARY STAFF
01-NOV-2013	3,027	RANDSTAD EMPLOYMENT BUREAU LTD	COMMUNITY JUSTICE AND CUSTODY	BOARDING UP
01-NOV-2013	3,245	RAPID SECURE LTD	WOLVERHAMPTON LPU	POLICE STAFF TRAINING COURSES
01-NOV-2013	1,755	RICS WEST MIDLANDS	LEARNING AND DEVELOPMENT	PURCHASE OF EQUIPMENT
01-NOV-2013	508	SCC PLC	PROFESSIONAL STANDARDS	PURCHASE OF EQUIPMENT
01-NOV-2013	1,245	SENSOR TECHNOLOGIES UK LIMITED	FORCE CO-ORDINATION AND TASKING	PRINTING
01-NOV-2013	3,711	SOUTH YORKSHIRE POLICE	DESIGN & PRINT	R50-COM INITIATIVE FUND
01-NOV-2013	500	THEE ADVANTANS	WEST MIDLANDS OFFICE FOR POLICING AND CRIME	SPOT HIRE TRANSPORT
01-NOV-2013	4,046	THRIFTY CAR RENTAL	FLEET SERVICES - CENTRAL ACTIVITIES	PURCHASE OF EQUIPMENT
01-NOV-2013	546	W.A PRODUCTS	WEST MIDLANDS OFFICE FOR POLICING AND CRIME	EXTERNAL REPAIRS
01-NOV-2013	3,612	WALMLEY REPAIR & CARE	DESIGN & PRINT	UNINSURED LOSS RECOVERY
01-NOV-2013	761	WEIGHTMANS LLP	WEST MIDLANDS OFFICE FOR POLICING AND CRIME	PAYMENTS RAISED
01-NOV-2013	700	WEST MIDLANDS FIRE SERVICE	WEST MIDLANDS OFFICE FOR POLICING AND CRIME	PAYMENTS RAISED
01-NOV-2013	600	600	WEST MIDLANDS OFFICE FOR POLICING AND CRIME	ORDINARY PRISONERS MEALS
01-NOV-2013	3,120	3,120	WEST MIDLANDS OFFICE FOR POLICING AND CRIME	CONTRIB TO PARTNER AGENCIES (incl SSC)
01-NOV-2013	1,100	3883	WEST MIDLANDS OFFICE FOR POLICING AND CRIME	OTHER PROFESSIONAL SERVICE
01-NOV-2013	9,257	BIRMINGHAM CITY COUNCIL	INTELLIGENCE - EXTERNALLY FUNDED	CONSULTANTS FOR BUILDING SURVEYS
01-NOV-2013	642	CH MC ROE	BIRMINGHAM WEST AND CENTRAL LPU	PURCHASE OF EQUIPMENT
01-NOV-2013	750	COUCH CONSULTING ENGINEERS	PROPERTY SERVICES	IMPROVEMENTS & ALTERATIONS
01-NOV-2013	1,650	DW GROUP	COMMUNITY JUSTICE AND CUSTODY	POWER BY THE HOUR
01-NOV-2013	930	EDMUNDSON ELECTRICAL LTD	PROPERTY SERVICES - CENTRAL ACTIVITIES	PNC - WMPA CONTRIBUTION
01-NOV-2013	15,756	EUROCOPTER UK LTD	OPERATIONS - PARTNERSHIP WORKING	PNC - WMPA CONTRIBUTION
01-NOV-2013	823,421	HOME OFFICE	CENTRAL FINANCING ACTIVITIES	PNC - WMPA CONTRIBUTION
01-NOV-2013	36,179	HOME OFFICE	CENTRAL FINANCING ACTIVITIES	MATERIALS/PARTS - STOCK ISSUES
01-NOV-2013	25,006	HOME OFFICE	CENTRAL FINANCING ACTIVITIES	STATIONARY VEHICLE FEE REIMBURSEMENT
01-NOV-2013	901	MOR SEARLE LTD	FLEET SERVICES	STATIONARY VEHICLE FEE REIMBURSEMENT
01-NOV-2013	17,170	JACKSONS RECOVERY BHAM LTD	VEHICLE RECOVERY - EXTERNALLY FUNDED	STATIONARY VEHICLE FEE REIMBURSEMENT
01-NOV-2013	8,370	JK AUTOS	VEHICLE RECOVERY - EXTERNALLY FUNDED	STATIONARY VEHICLE FEE REIMBURSEMENT
01-NOV-2013	4,180	JK AUTOS	VEHICLE RECOVERY - EXTERNALLY FUNDED	STATIONARY VEHICLE FEE REIMBURSEMENT
01-NOV-2013	9,390	JK AUTOS	VEHICLE RECOVERY - EXTERNALLY FUNDED	MATERIALS/PARTS - STOCK ISSUES
01-NOV-2013	745	LOOKERS	FLEET SERVICES	

14-NOV-2013	1,221 WA PRODUCTS	POLICE AUTHORITY GENERAL BALANCE SHEET	ADDITIONS IN YEAR
14-NOV-2013	6,080 WA PRODUCTS	POLICE AUTHORITY GENERAL BALANCE SHEET	ADDITIONS IN YEAR
14-NOV-2013	8,021 WA PRODUCTS	POLICE AUTHORITY GENERAL BALANCE SHEET	ADDITIONS IN YEAR
15-NOV-2013	3,949 3663	COMMUNITY JUSTICE AND CUSTODY	ORDINARY PRISONERS MEALS
15-NOV-2013	1,259 ARCO LTD	POLICE AUTHORITY GENERAL BALANCE SHEET	ADDITIONS IN YEAR
15-NOV-2013	542 ASH RUBBER STAMP CO LTD	SHARED SERVICES	STATIONERY
15-NOV-2013	1,500	LEGAL SERVICES	LEGAL DISCIPLINE
15-NOV-2013	855 BOURNVILLE VILLAGE TRUST	POLICE AUTHORITY GENERAL BALANCE SHEET	PAYMENTS RAISED
15-NOV-2013	751 C.W. HEADPRESS LTD	POLICE AUTHORITY GENERAL BALANCE SHEET	ADDITIONS IN YEAR
15-NOV-2013	2,335 CAMULANDS	CORPORATE COMMUNICATIONS	PRINTING
15-NOV-2013	17,500 CELLXION LTD	LEARNING AND DEVELOPMENT - CENTRAL ACTIVITIES	POLICE TRAINING COURSES
15-NOV-2013	2,297 CENTREWIRE LTD	DUDLEY LPU - EXTERNALLY FUNDED	PURCHASE OF EQUIPMENT
15-NOV-2013	1,140 CL ARKE & EVANS	POLICE AUTHORITY GENERAL BALANCE SHEET	EXTERNAL REPAIRS
15-NOV-2013	821 CL ARKE & EVANS	POLICE AUTHORITY GENERAL BALANCE SHEET	EXTERNAL REPAIRS
15-NOV-2013	2,758 CORONA ENERGY	BUILDING UTILITIES / RENTS	GAS
15-NOV-2013	511 CORONA ENERGY	BUILDING UTILITIES / RENTS	GAS
15-NOV-2013	780 CORONA ENERGY	BUILDING UTILITIES / RENTS	GAS
15-NOV-2013	1,924 CORONA ENERGY	BUILDING UTILITIES / RENTS	GAS
15-NOV-2013	1,389 CORONA ENERGY	BUILDING UTILITIES / RENTS	GAS
15-NOV-2013	742 CORONA ENERGY	BUILDING UTILITIES / RENTS	GAS
15-NOV-2013	591 CORONA ENERGY	BUILDING UTILITIES / RENTS	GAS
15-NOV-2013	849 CORONA ENERGY	BUILDING UTILITIES / RENTS	GAS
15-NOV-2013	789 CORONA ENERGY	BUILDING UTILITIES / RENTS	GAS
15-NOV-2013	792 CORONA ENERGY	BUILDING UTILITIES / RENTS	GAS
15-NOV-2013	728 CORONA ENERGY	BUILDING UTILITIES / RENTS	GAS
15-NOV-2013	1,964 CORONA ENERGY	BUILDING UTILITIES / RENTS	GAS
15-NOV-2013	1,602 CORONA ENERGY	BUILDING UTILITIES / RENTS	GAS
15-NOV-2013	2,359 CORONA ENERGY	BUILDING UTILITIES / RENTS	GAS
15-NOV-2013	712 CORONA ENERGY	BUILDING UTILITIES / RENTS	GAS
15-NOV-2013	566 CORONA ENERGY	BUILDING UTILITIES / RENTS	GAS
15-NOV-2013	507 CORONA ENERGY	BUILDING UTILITIES / RENTS	GAS
15-NOV-2013	763 CORONA ENERGY	BUILDING UTILITIES / RENTS	GAS
15-NOV-2013	4,889 CORONA ENERGY	FORCE CO-ORDINATION AND TASKING	OTHER MISCELLANEOUS EXPENSES
15-NOV-2013	15,038 CRIMESTOPPERS	INTEL - CONTINGENCY OPERATIONS	HOSPITAL DOCTORS FEES
15-NOV-2013	1,000	FORCE CID	MATERIAL SPARTS - STOCK ISSUES
15-NOV-2013	1,375 DR SIMON BOLURNE	FLEET SERVICES	VEHICLE & PLANT
15-NOV-2013	951 FREEMAN AUTOMOTIVE UK LTD	CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
15-NOV-2013	8,281 GENERAL MOTORS UK LTD	CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
15-NOV-2013	8,281 GENERAL MOTORS UK LTD	CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
15-NOV-2013	8,281 GENERAL MOTORS UK LTD	CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
15-NOV-2013	8,281 GENERAL MOTORS UK LTD	CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
15-NOV-2013	8,281 GENERAL MOTORS UK LTD	CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
15-NOV-2013	3,157	OPERATIONS	WMPA DOGS VETS & KENNELLING FEES
15-NOV-2013	913 HMCTS	POLICE AUTHORITY GENERAL BALANCE SHEET	PAYMENTS RAISED
15-NOV-2013	18,985 HOME OFFICE	INFORMATION SERVICES - IT PROJECTS - DO NOT USE	SOFTWARE SUPPORT & MATERIALS
15-NOV-2013	6,642 INTEGRAL UK LTD	PROPERTY SERVICES - CENTRAL ACTIVITIES	MAINTENANCE CONTRACTS (INC TERM)
15-NOV-2013	924 JOHN BASSETT	LEGAL SERVICES	LEGAL DISCIPLINE
15-NOV-2013	3,500 LAMBERT SMITH HAMPTON	BUILDING UTILITIES / RENTS	RENTAL OF PREMISES
15-NOV-2013	1,475 CITADEL CHAMBERS	POLICE AUTHORITY GENERAL BALANCE SHEET	PROFESSIONAL FEES
15-NOV-2013	1,061 LEWIS'S MEDICAL SUPPLIES	POLICE AUTHORITY GENERAL BALANCE SHEET	ADDITIONS IN YEAR
15-NOV-2013	500 LIMIT POINT LOGISTICS	OPERATIONS - EXTERNALLY FUNDED	COURSE SPEAKERS
15-NOV-2013	1,101 LYRECO	SHARED SERVICES	STATIONERY
15-NOV-2013	789 LYRECO	SHARED SERVICES	STATIONERY
15-NOV-2013	772 LYRECO	SHARED SERVICES	STATIONERY
15-NOV-2013	616 LYRECO	SHARED SERVICES	STATIONERY

PAYMENT_DATE	TOTAL_NET_AMT	SUPPLIER_NAME	RESPONSIBILITY_DESC	SUBJECT_DESC
02-MAR-2015	661	3663 ALEX USTYCH	COMMUNITY JUSTICE AND CUSTODY	ORDINARY PRISONERS MEALS
02-MAR-2015	625	ALEX USTYCH	LEGAL SERVICES	LEGAL - OTHERS
02-MAR-2015	650	ALEX USTYCH	LEGAL SERVICES	LEGAL - OTHERS
02-MAR-2015	550	ANDREW M WALKER	PUBLIC PROTECTION	OTHER PROFESSIONAL SERVICE
02-MAR-2015	1232	Arrow County Supplies	CORPORATE ASSET MANAGEMENT	PREMISES - CLEANING MATERIALS
02-MAR-2015	1238	Arrow County Supplies	CORPORATE ASSET MANAGEMENT	PREMISES - CLEANING MATERIALS
02-MAR-2015	1300	BARLOW C	LEARNING AND DEVELOPMENT	COURSE SPEAKERS
02-MAR-2015	4968	CARTLEDGE PHT	PUBLIC PROTECTION	OTHER PROFESSIONAL SERVICE
02-MAR-2015	1300	COLMBORE BUSINESS DISTRICT LIMITED	CTU ALLOCATED OPS FUND	TARGETED INITIATIVES
02-MAR-2015	912	CFC	CTU - MAIN GRANT	PURCHASE OF EQUIPMENT
02-MAR-2015	1995	DOBRAZANSKA J	SHARED SVS - INCL FNC FR APR 14	SMALL CLAIMS
02-MAR-2015	978	DOT COM GLAZING LTD	CORPORATE ASSET MANAGEMENT	GEN MAINTENANCE - STOCK CONDITION WORKS
02-MAR-2015	741	DWF LLP	BALANCE SHEET	PROFESSIONAL FEES
02-MAR-2015	821	DWF LLP	BALANCE SHEET	NFA INSURED CLAIMS (CIVIL)
02-MAR-2015	3871	DWF LLP	BALANCE SHEET	NFA INSURED CLAIMS (CIVIL)
02-MAR-2015	3456	DWF LLP	BALANCE SHEET	NFA INSURED CLAIMS (CIVIL)
02-MAR-2015	626	DWF LLP	BALANCE SHEET	NFA INSURED CLAIMS (CIVIL)
02-MAR-2015	1500	EQUINE EMERGENCY SERVICES	WOLVERHAMPTON IPU	OTHER PROFESSIONAL SERVICE
02-MAR-2015	4200	FLIGHTS HALLMARK LTD	FORCE CO-ORDINATION AND TASKING - ALLOCATED CONTINGENCY	SPOT HIRE TRANSPORT
02-MAR-2015	2100	FLIGHTS HALLMARK LTD	FORCE CO-ORDINATION AND TASKING - ALLOCATED CONTINGENCY	EQUIPMENT HIRE FROM OUTSIDE SUPPLIERS
02-MAR-2015	661	ILASCO LTD	OPERATIONS	PURCHASE OF EQUIPMENT
02-MAR-2015	2310	LEGAL COSTS NEGOTIATORS	BALANCE SHEET	DEFENCE COUNSEL COSTS
02-MAR-2015	512	MAPLIN ELECTRONICS PLC	CTU - DSP	CONTRIBUTION TO REGIONAL FORCES
02-MAR-2015	1266	MERSESIDE POLICE AUTHORITY	COMMAND TEAM	RENTAL OF PREMISES
02-MAR-2015	2373	NETWORK RAIL	CORPORATE ASSET MANAGEMENT	RENTAL OF PREMISES
02-MAR-2015	2863	NETWORK RAIL	CORPORATE ASSET MANAGEMENT	SPECIFIC CONSUMABLES
02-MAR-2015	1211	NOBISCO LIMITED	CTU - MAIN GRANT	NFS HOLDING ACCOUNT
02-MAR-2015	14072	NNS CORPORATE LTD	REGIONAL ORGANISED CRIME UNIT	OFFICER OVERTIME
02-MAR-2015	5000	OFFICE OF POLICE & CRIME COMMISSIONER FOR STAFFORDSHIRE POLICE	REGIONAL ORGANISED CRIME UNIT	OFFICER OVERTIME
02-MAR-2015	11933	OFFICE UPDATE LTD	CTU - MAIN GRANT	FURNITURE
02-MAR-2015	831	RAPID AUTO BODY REPAIRS LTD	BALANCE SHEET	EXTERNAL REPAIRS
02-MAR-2015	30020	ROWLEY AUTO SERVICES LTD	VEHICLE RECOVERY - EXTERNALLY FUNDED	STATUTORY VEHICLE FEE REIMBURSEMENT
02-MAR-2015	750	SIMON WALSH	LEGAL SERVICES	LEGAL DISCIPLINE
02-MAR-2015	599	TRAVEL WEST MIDLANDS	BALANCE SHEET	PURCHASED TICKETS
02-MAR-2015	4445	TRIOS	CORPORATE ASSET MANAGEMENT	CORRECTIVE MECHANICAL & ELECTRICAL MAINTENANCE
02-MAR-2015	4852	TRIOS	CORPORATE ASSET MANAGEMENT	PROPERTY MAINTENANCE HOLDING CODE
02-MAR-2015	879	TYLER PARKES PARTNERSHIP	CORPORATE ASSET MANAGEMENT	PROPERTY FEES (ESTATES)
02-MAR-2015	525	WALFORD C A	SHARED SVS - INCL FNC FR APR 14	PROPERTY FEES (ESTATES)
02-MAR-2015	695	WALSALL COUNCIL	CORPORATE ASSET MANAGEMENT	SMALL CLAIMS
02-MAR-2015	540	WEST MID POLICE JOINT BR BOARD	HUMAN RESOURCES - CENTRAL ACTIVITIES	LA REFUSE COLLECTION CONTRACTS
02-MAR-2015	1185992	Willmot Dixon Construction Ltd.	CAPITAL PAYMENTS IN YEAR	CONSULTANTS FEES
03-MAR-2015	964	3663 ALLIANTIST LIMITED	COMMUNITY JUSTICE AND CUSTODY	MAIN CONTRACTOR - MAJOR WORKS
03-MAR-2015	15000	BOSTOCK MARKETING GROUP LTD	REGIONAL ORGANISED CRIME UNIT	ORDINARY PRISONERS MEALS
03-MAR-2015	48300	CASTLEFIELD BUSINESS FORMS LTD	ORGANISATION AND SERVICE DEVELOPMENT	IT SOFTWARE LICENCES
03-MAR-2015	3420	CASTLEFIELD BUSINESS FORMS LTD	DESIGN & PRINT	FEELING THE DIFFERENCE SURVEY PRINTING

03-MAR-2015	2181	TMP WORLDWIDE LTD		COVENTRY LPU - EXTERNALLY FUNDED	OTHER PROFESSIONAL SERVICE
03-MAR-2015	745	TOTAL BACK CARE CENTRE LTD		HUMAN RESOURCES	HRF - PROV OF ADJ FOR EQUALITY & DIVERSITY
03-MAR-2015	11441	TRIOS		CORPORATE ASSET MANAGEMENT	MAINTENANCE CONTRACTS (INC TERM)
03-MAR-2015	1600	TRIOS		CORPORATE ASSET MANAGEMENT	MAINTENANCE CONTRACTS (INC TERM)
03-MAR-2015	5418	TYLER-PARKES PARTNERSHIP		CORPORATE ASSET MANAGEMENT	PROPERTY FEES (ESTATES)
03-MAR-2015	750	VSEVY NORTH NEIGHBOURHOOD FORUM		BALANCE SHEET	PAYMENTS RAISED
03-MAR-2015	900	WALWLEY REPAIR & CARE		CORPORATE ASSET MANAGEMENT	OUTSOURCED WORK - FLEET ONLY
03-MAR-2015	1980	WALWLEY REPAIR & CARE		CORPORATE ASSET MANAGEMENT	OUTSOURCED WORK - FLEET ONLY
03-MAR-2015	1620	WALWLEY REPAIR & CARE		CORPORATE ASSET MANAGEMENT	OUTSOURCED WORK - FLEET ONLY
03-MAR-2015	2550	WEST MIDLANDS AMBULANCE SERVY		WEST MIDLANDS OFFICE FOR POLICING AND CRIME	POLICE STAFF TEMPORARY STAFF
04-MAR-2015	1940	ALBATREES UK LTD		OPERATIONS - EXTERNALLY FUNDED	SPECIFIC CONSUMABLES
04-MAR-2015	1305	BIRMINGHAM CITY UNIVERSITY		LEARNING AND DEVELOPMENT	POLICE STAFF TRAINING COURSES
04-MAR-2015	6700	BLACKBERRY LANE GARAGE LTD		CAPITAL PAYMENTS IN YEAR	VEHICLE & PLANT
04-MAR-2015	1348	BODY KRAFT DUDLEY LTD		BALANCE SHEET	EXTERNAL REPAIRS
04-MAR-2015	5204	BODY KRAFT DUDLEY LTD		BALANCE SHEET	EXTERNAL REPAIRS
04-MAR-2015	1066	BODY KRAFT DUDLEY LTD		BALANCE SHEET	EXTERNAL REPAIRS
04-MAR-2015	158423	CELLUXION LTD		CAPITAL PAYMENTS IN YEAR	ICT & GENERAL EQUIPMENT
04-MAR-2015	4500	CELLUXION LTD		CAPITAL PAYMENTS IN YEAR	ICT & GENERAL EQUIPMENT
04-MAR-2015	769	CIVICA UK LTD		WEST MIDLANDS OFFICE FOR POLICING AND CRIME	PCG WEBSITE (PREV POLICE AUTHORITY)
04-MAR-2015	2533	COLLEGE OF POLICING		INTELLIGENCE	POLICE TRAINING COURSES
04-MAR-2015	8248	DEFENSOR MAINTENANCE LTD		PROPERTY SERVICES - CENTRAL ACTIVITIES	MAINTENANCE CONTRACTS (INC TERM)
04-MAR-2015	4558	DEFENSOR MAINTENANCE LTD		PROPERTY SERVICES - CENTRAL ACTIVITIES	MAINTENANCE CONTRACTS (INC TERM)
04-MAR-2015	6173	DTZ DEBENHAM TIE LEUNG		CORPORATE ASSET MANAGEMENT	ELECTRICITY
04-MAR-2015	6736	DTZ DEBENHAM TIE LEUNG		CORPORATE ASSET MANAGEMENT	ELECTRICITY
04-MAR-2015	7260	DTZ DEBENHAM TIE LEUNG		CORPORATE ASSET MANAGEMENT	ELECTRICITY
04-MAR-2015	2510	FORENSIC PATHOLOGY SERVICES		FORCE CID	HOME OFFICE PATHOLOGISTS FEES
04-MAR-2015	1320	GRIFFIN VIDEO COMMUNICATIONS		INFORMATION COMMUNICATIONS TECHNOLOGY	MINOR IT EQUIPMENT (DEVELOVED)
04-MAR-2015	929	KING AM		COMMUNITY JUSTICE AND CUSTODY	INTERMEDIARY SERVICES
04-MAR-2015	28834	MANITEL EUROPE LTD		INFORMATION COMMUNICATIONS TECHNOLOGY	IT SPECIAL EQUIPMENT
04-MAR-2015	4004	MAVORS OFFICE FOR POLICING AND CRIME		INTELLIGENCE	POLICE TRAINING COURSES
04-MAR-2015	2002	MAVORS OFFICE FOR POLICING AND CRIME		LEARNING AND DEVELOPMENT	POLICE TRAINING COURSES
04-MAR-2015	3248	MERSEYSIDE POLICE AUTHORITY		REGIONAL ORGANISED CRIME UNIT	ACCOMMODATION
04-MAR-2015	1483	MITIE TECHNICAL FACILITIES MANAGEMENT		CORPORATE ASSET MANAGEMENT	MAINTENANCE CONTRACTS (INC TERM)
04-MAR-2015	3240	MITIE TECHNICAL FACILITIES MANAGEMENT		CORPORATE ASSET MANAGEMENT	MAINTENANCE CONTRACTS (INC TERM)
04-MAR-2015	3552	MITIE TECHNICAL FACILITIES MANAGEMENT		CORPORATE ASSET MANAGEMENT	MAINTENANCE CONTRACTS (INC TERM)
04-MAR-2015	877	MITIE TECHNICAL FACILITIES MANAGEMENT		CORPORATE ASSET MANAGEMENT	MAINTENANCE CONTRACTS (INC TERM)
04-MAR-2015	1320	NCC SERVICES LTD		INFORMATION COMMUNICATIONS TECHNOLOGY	IT SOFTWARE LICENCES
04-MAR-2015	1874	NIGHTSEARCHER LTD		CTU - MAIN GRANT	PURCHASE OF EQUIPMENT
04-MAR-2015	2695	P J EDWARDS		CTU ALLOCATED OPS FUND	TARGETED INITIATIVES
04-MAR-2015	1230	POLICE FEDERATION		INTELLIGENCE - EXTERNALLY FUNDED	OTHER PROFESSIONAL SERVICE
04-MAR-2015	33439	PROVIDENCE UK IT LTD		CAPITAL PAYMENTS IN YEAR	ICT & GENERAL EQUIPMENT
04-MAR-2015	720	RAD KOHANZAD		LEGAL SERVICES	EMPLOYMENT (TRIBUNALS)
04-MAR-2015	850	RICHARD OULTON		LEGAL SERVICES	EMPLOYMENT (TRIBUNALS)
04-MAR-2015	18768	STAR AUTO RECOVERY/REPAIR LTD		VEHICLE RECOVERY - EXTERNALLY FUNDED	STATUTORY VEHICLE FEE REIMBURSEMENT
04-MAR-2015	538	SULAIMAN SAWDEL		CTU - MAIN GRANT	CTU INTERVENTIONS - HOME OFFICE MENTORS
04-MAR-2015	3900	Sorinred Limited		REGIONAL ORGANISED CRIME UNIT	POLICE TRAINING COURSES

EXHIBIT AC1/9

Extract from budget summary by Essex Police, 2016/17.

CAPITAL PROGRAMME 2016/17 TO 2020/21

2016/17	joint with Kent	Capital Cost £000	2016/17 £000	2017/18 £000	2018/19 £000	2019/20 £000	2020/21 £000	Total £000
<i>ANPR</i>								
Fixed site expansion		106.0	106.0					106.0
Equipment replacement		114.0	114.0					114.0
<i>Estates</i>								
CCTV Custody Suites		380.0	190.0	190.0				380.0
ESMCP Project - ICCS Replacement	Y	1,863.0	1,863.0					1,863.0
Evolve/Strategic Change building works		250.0	250.0					250.0
Chemical Enhancement Laboratory 2	Y	625.0	625.0					625.0
Environmental Projects 2		250.0	150.0	100.0				250.0
Estates Strategy		39,075.0	14,625.0	18,650.0	4,350.0	1,450.0		39,075.0
<i>IT</i>								
Digital Forensics - Digital Analysis	Y	164.3	37.1	63.6	63.6			164.3
Digital Forensics Gateway	Y	127.0	127.0					127.0
Business Objects Upgrade		125.0	125.0					125.0
Digital Asset Management (Home Office Innovation Fund)	Y	800.0	700.0	50.0	50.0			800.0
ANPR Back Office Convergence / National Project	Y	30.0	30.0					30.0
Mobile policing	Y	3,311.0	1,709.0	548.0	29.0	995.0	30.0	3,311.0
Public Contact Programme (Channel Shift)	Y	1,200.0	1,100.0	100.0				1,200.0
Public Contact Programme (Contact Points)		1,200.0	1,200.0					1,200.0
COSMOS Replacement	Y	268.0	268.0					268.0
SAP Programme	Y	250.0	175.0	75.0				250.0
Learning & Development - Learning Portal	Y	100.0	100.0					100.0
Athena Essex BRC		1,300.0	1,300.0					1,300.0
Big Data Analytics		125.0	125.0					125.0
<i>Other</i>								
Body armour 2016/17		71.0	56.0	15.0				71.0
SCD : CCDC Platform Equipment	Y	145.0	122.5		22.5			145.0
<i>Transport</i>								
Fleet replacement programme		1,800.0	1,800.0					1,800.0
Transport - Telematics	Y	114.0	114.0					114.0
		53,793.3	27,011.6	19,791.6	4,515.1	2,445.0	30.0	53,793.3

EXHIBIT AC1/10

Extract from audited statement of accounts by Kent Police, 2015-2016.



Kent Police

Group Accounts for the Police and Crime Commissioner for Kent and the Chief Constable for Kent Police

Audited Statement of Accounts 2015 - 2016

Note 11 - Intangible Assets

The Police and Crime Commissioner for Kent accounts for its software as intangible assets, to the extent that the software is not an integral part of a particular IT system and accounted for as part of the hardware item of Property, Plant and Equipment. The intangible assets include both purchased licenses and internally generally software.

All software is given a finite useful life, based on assessments of the period that the software is expected to be of use to the Police and Crime Commissioner for Kent. The useful lives assigned to the major software suites used by the Police and Crime Commissioner for Kent are:

	Internally Generated Assets	Other Assets
0 - 3 years	None	BES12 Licences for mobile policing, Data Consultancy for Special Branch project
4 - 6 years	None	SAP Licences & Upgrade, Analytics Software, Public Service Network (PSN) Consultancy, Single Desktop Programme (Microsoft Office upgrade), Joint Network Replacement, Mobile Data Terminal Licences
7 - 10 years	Locard (the PCC for Kent's forensic management system); Disaster Recovery	Covert Communications Data Capture, Smartcall (Force Control Room software) , ANPR (Automatic Number Plate Recognition) Software Upgrade, Socrates (Forensic Case Management System) and Oracle Licences
11 - 15 years	None	Data Software Application for Project Platinum

The carrying amount of intangible assets is amortised on a straight-line basis. The amortisation of £627k was charged to revenue in 2015/16, charged to the IT cost centres and then absorbed as an overhead across all the service headings in the Net Expenditure of Services. IT costs are apportioned according to the number of staff in each segment of service so the proportions are as follows:

	Percentage	Amount £'000's
Local Policing	45%	282
Dealing with the public	11%	69
Criminal Justice	9%	57
Roads Policing	3%	19
Specialist Operations	4%	25
Intelligence	5%	31
Specialist Investigations	15%	94
Investigative Support	2%	13
National Policing	5%	31
Corporate & Democratic Core	1%	6
Non-distributed costs	0%	0
Total	100%	627

EXHIBIT AC1/11

Extract from Cobham's tactical communications and surveillance catalogue, 2014.



COBHAM

Tactical Communications and Surveillance



Specifications

The GSM-XPZ family of active interception solutions provides a tactical tool for law enforcement, government and military agencies.

Utilising commercial base-station technology and operating independently of the GSM network providers, the GSM-XPZ family of vehicle and portable products provide the capability to clone and simultaneously transmit multiple fake GSM networks to interact with the GSM Cell Phones.

Physical	
Size:	W 280mm x H 70mm x D 290mm,
Weight:	4.43Kg
Interface Connections:	Antenna Ports: 1 x Combined Tx, 1 x Combined Rx, 1 x WiFi
Technical	
Channels:	2 Channels 1 x 900 + 1 x 1800 or 1 x 850 + 1 x 1900
Channel Range:	Euro: E-GSM, GSM, DCS US: 850, PCS
Channel Bandwidth:	200KHz
Output Power:	1mW to 2W (max) per channel
Data:	Interface via secure Ethernet or WiFi
Environmental	
Operating Temperature:	-5°C to +45°C
Storage Temperature:	-10°C to +70°C
Power	
Power Consumption (Max):	70W
Power Supply:	12Vdc

Key Features

- Covertly identify the unique identity (IMSI/IMEI/TMSI) of GSM cell phones
- Locate known targets using their GSM mobiles (in conjunction with DF equipment)
- Take control of target phones for the purpose of denying GSM service
- Create exclusion zone to deny GSM network coverage (subject to export license approval)
- Intercept SMS messages sent by a target
- Multiple BTS system allowing up to 2 BCCH on 1 network or 2 BCCH on 2 different networks
- Blind/Silent call up to 7 target cell phones per BTS



Key Features

- Take control of target phones for the purpose of denying GSM service
- Create exclusion zone to deny GSM network coverage (subject to export license approval)
- Intercept outgoing calls and SMS messages
- Rugged form factor for in-vehicle use
- Multiple BTS system allowing up to 4 BCCH on 1 network or 4 BCCH on 4 different networks
- High transmit output power - up to 50 Watts
- Blind/Silent call up to 7 target cell phones per BTS
- Simultaneous intercept of up to 4 outgoing voice calls

Specifications

The GSM-XPZ family of active interception solutions provides a tactical tool for law enforcement, government and military agencies.

Utilizing commercial base-station technology and operating independently of the GSM network providers, the GSM-XPZ family of vehicle and portable products provide the capability to clone and simultaneously transmit multiple fake GSM networks to interact with GSM cell phones.

Physical	
Size:	W 500mm x H 200mm x D 580mm
Weight	28Kg
Interface Connections:	Antenna Ports: Directional: 2 x Low Band, 2 x High Band Omni: 2 x Combined Data/Audio: Interface via secure Ethernet

Technical	
Channels:	4 Channels 2 x 900 + 2 x 1800 or 2 x 850 + 2 x 1900 or 1 x 850 + 1 x 900 + 1 x 1800 + 1 x 1900 (Quad)
Channel Range:	Euro: E-GSM, GSM, DCS US: 850, PCS Quad: 850, E-GSM, GSM, DCS, PCS
Channel Bandwidth:	200 KHz
Output Power:	1mW to 50W (max) per band

Power	
Power Consumption (Max):	600W
Power Supply:	24 Vdc

Environmental	
Operating Temperature:	-5°C to +45°C
Storage Temperature:	-10°C to +70°C



Specifications

The Evolve4 Hand Held Direction Finder (Evolve4-HHDF) is a light-weight, portable, state of the art device for tracking and geo-locating cell phones.

The Evolve4-HHDF works with the 3GN's 3G Blind Call feature to allow tracking of UMTS devices. It is also backwards compatible with GSM.

The Evolve4-HHDF is controlled by a smart phone connected to the unit over a Bluetooth link. This makes the unit easy to configure and use without attracting attention.

The Evolve4-HHDF features multiple feedback mechanisms to cater for a variety of mission scenarios. Choose from visual or audio feedback depending on the operational requirement.

Function:	Provides RF signal strength indication on a selectable UARFCN/ARFCN
Frequency Range (MHz)	
GSM	UMTS
850 Band	Bands I
900 Band (inc E-GSM)	II
1800 Band	III
1900 Band	IV
	V
	VIII
Size (mm)	DFU: 120(l) x 65(w) x 28(d) High band antenna: 78(l) x 78(w) x 18(d) Low band antenna: 120(l) x 120(w) x 17(d)
Weight (grams)	DFU: 140g High band antenna: 230/460 (element/array) Low band antenna: 550/1100 (element/array)
Power	3 x AA batteries
Battery Life (DFU)	Circa 3 hours (typical usage)
Antenna	4 x patch antennas in configurable array
Interfaces	On/Off, Status LED, Smart phone interface

Key Features

- Allows direction finding of UMTS and GSM devices
- Resolves target location to within a few metres
- Direction Finding Unit (DFU) is controlled by smart phone over Bluetooth (wireless)
- Choice of multiple feedback mechanisms
- Can DF on BTSs and Node Bs, in addition to target mobile devices.
- Covert body-worn antenna pack included
- Compatible with multiple antennas for different scenarios
- Audio feedback mode allows for covert operation
- DFU protocol and frequency configuration is software adjustable to user requirements



Key Features

- DF simultaneously in Azimuth and Elevation
- Robust, low profile, lightweight antenna unit
- A dual band digital receiver featuring 8 self calibrating phase synchronous digital receiver branches
- 8 element spatially diverse omni-directional antenna array for highly accurate target resolution
- Integrated GPS and electronic compass for non-moving Line of Bearing (LoB) resolution
- Integrated GIS mapping engine, using MXD format map files

Specifications

The GSM Vehicle Direction Finder (VDF) is a lightweight, portable and state of the art digital direction finder for tracking and geolocating GSM cell phones. It features the latest Super Resolution Direction Finding (DF) processing algorithms.

The VDF is designed to be deployed quickly in any vehicle allowing maximum flexibility in vehicle choice, thus maintaining a covert deployment model. The VDF is a standalone system designed to work with any GSM manipulation

Physical	
VDF Receiver:	W 448mm x H 135mm x D 348mm
Weight	7.2kg
VDF Antenna:	W 270mm x H 60mm
Weight	1.3kg

Technical	
Function:	Provides RF signal strength indication on a selectable ARFCN and GSM timeslot
Channel Range:	European variant VDF: GSM 900/1800 US variant VDF: GSM 850/1900
Direction Finding Axis:	Simultaneous in Azimuth and Elevation
Resolution:	Better than 5°
Accuracy:	Better than 5°
Sensitivity:	Typically -120dBm
DF Algorithms:	Super resolution DF with self calibration

GPS Datum:	WGS-84
Magnetic Compass:	2 Axis tilt compensated digital compass
Antenna (rooftop):	Azimuth: 360° Elevation: 80°
Antenna (in-vehicle):	Azimuth: 360° Elevation: As per vehicle aperture
Mapping Formats:	MxD files supported Further information available on request
Power	
Power Supply:	12Vdc, 7.5A, 90W(Rubidium reference cold) 12Vdc, 4.5A, 54W(Rubidium reference warm)





Specifications

The XPZ & 3GN range of equipment generate a large amount of data for customers to analyze, often during live missions.

Mapplication represents a new dimension in real-time data analysis, allowing users to add geospatial processing to routine tasks on both the XPZ and 3GN platforms.

Users can track their unit across the operational zone in real time, record the path taken, see the likely range the active intercept systems can achieve, and view graphical coverage maps of real network cells in the area.

Mapplication Option Includes:

Free software upgrade to V2.0 of the XPZ/3GN Analyser (mandatory for Mapplication usage)

SIRF Star III GPS puck

MMI preformatted vector street mapping of customer's home country (map quality as per Navteq standard)

Mapplication may require an XPZ or 3GN hardware upgrade, for which a separate fee is payable. Please consult your account manager for further information.

Key Features

- Mapplication allows users to better visualise their operations
- Addresses growing trend of geo-tagged mission critical data
- Implementation of MapInfo runtime engine allows growth of geospatial features offering on the V2.0 software platform
- Delivered with basic Navteq vector street map data for customer's country (subject to availability). Map data preformatted to optimise for Mapplication display
- The first release allows only usage of Navteq preformatted data

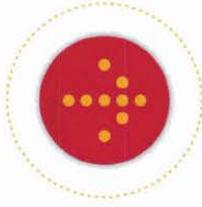
EXHIBIT AC1/12

Extract from CellXion brochure featuring the UGX Penta.

celixion
L t d

CELLULAR INTELLIGENCE SOLUTIONS





UGX PENTA

Portable Dual GSM/Triple UMTS Firewall and Analysis Tool

The cellXion range of GX & UGX Cellular Intercept, Firewall & Analysis products are designed to provide Law Enforcement, Security Services and Military officers with a comprehensive set of tools to combat the growing use of mobile communications technology in crime and terrorism.

KEY FEATURES

- Compact portable device designed for simple deployment in a rucksack or sports bag and supplied with an Android smart phone controller (or optional Windows Notebook pc).
- Contains two fully functional commercial grade GSM (900/1800MHz or 850/1900, 200mW) BTS transceivers and any combination of three UMTS (900 / 2100MHz 32mWav) Node B transceivers with excellent RF performance in high multi-path environments.
- The transceivers are independently configurable for all network parameters, and can transmit between 0.1mW and maximum power in 2dB steps.
- Built-in 'environment monitor' to assess the number of networks in an area, their respective configurations, and provide information to optimize user configuration of the BTS transceiver modules.
- Comprehensive identification of IMSI, IMEI and TMSI information with dynamic control capability including comprehensive denial of service.
- Simultaneous high speed acquisition of handsets (up to 1200 per minute), across up to five networks.
- The optional 'In Network Calling' allows calls to be made within the UGX system (GSM only).
- cellXion 'Feels Like' function uses BCCH manipulation to give a virtual power effect of up to several hundred watts.
- Comprehensive mySQL database featuring handsets cross-referenced against IMEI, and networks against PLMN.
- The unique cellXion software client and GUI (graphical user interface) is consistent across the entire range of cellXion GX & UGX cellular intercept products.
- Optional UGX PENTA Power Amplifier for vehicle fitting to provides increased power capability up to 20W per GSM transceiver channel and 3.2W CPICH for UMTS channels.
- Optional Covert Call (TK) software application to provide a covert call capability to lock a target handset for direction finding using the cellXion MSL or other suitable DF systems.
- Optional Measurement Reports (MR) software application to provide handset geo-location and a mapping interface using timing advance, RxLev & RxQal measurement.



Commercial In confidence

For further information please contact sales on UK +44 (0) 20 3137 1637 | US +1 (704) 248 6229 or email sales@cellXion.net

SPECIFICATION

- Dimensions: W260mm x D300mm x H175mm
- Weight: 7Kg
- Two 200mW GSM transceivers (900MHz/1800MHz) or (850/1900)
- Three 32mW UMTS Node B transceivers of any combination of either 900 or 2100MHz
- Optional Power amplifier for vehicle fitting to give 20W GSM and 3.2W CPICH UMTS output power. The UMTS output power is checked against ETSI TS25.141 Test Model 1 for linearity and quality, measurements made on a R&S CMU300 cellular test set.
- Power: 24-32V DC or mains via an AC adapter
- 110V or 220V ac mains power supply included
- Two 12Vdc batteries supplied
- Optional power amplifier runs off 12-32Vdc (24v recommended) or mains ac supply
- CPICH Transmit Power Control in 2dB steps down to 320mW
- 3GPP R5 Compliance (Local Area Cell TS25.104/V6.8.0)
- Commercial Grade hardware
- HCS Priority makes cell more attractive to UEs
- Legitimate 3G identity acquisition without GSM mode
- Transmit Power Control in 2dB steps down to 130mW
- GSM05.05 Receiver Compliance
- 'Feels Like' function makes cell more attractive to UEs
- Each transceiver independently configurable
- Heat dependent fan assisted cooling
- Integrated controller with embedded Linux OS
- Controls up to ten transceivers (any combination; GSM/UMTS/CDMA)
- Integrated 802.11b/g Wireless Router
- Internet facing firewall for remote client operation and remote support
- Web server provides software for Client PCs
- Web interface supports software updates for all modules

ALTERNATIVE CONFIGURATION

- Also available in 850/1900 MHz GSM and 850/900/1900 MHz UMTS
- Compatible with various Direction Finding (DF) systems



WWW.CELLXION.NET

For further information please contact us:

UK +44 (0) 20 3137 1637 | US +1 (704) 248 6229
 Fax +44 (0) 20 3137 2637 | email sales@cellXion.net

cellXion Ltd Head Quarters:

Hallmark House, 2 Timber Hill Road, Caterham,
 Surrey CR3 6LD, United Kingdom

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EXHIBIT AC1/13

Extract from slides produced by Cobham entitled "Tactical Lawful Intercept", May 2009.

May 2009



AVIONICS AND SURVEILLANCE DIVISION
End-to-end avionics and covert surveillance solutions



DEFENCE SYSTEMS DIVISION
Critical technology for network centric operations



MISSION SYSTEMS DIVISION
Complete 'nose to tail' refuelling and 'wingtip to wingtip' mission systems capability



AVIATION SERVICES DIVISION
Operates, modifies and maintains more than 150 fixed and rotary wing aircraft around the world

Tactical Lawful Intercept



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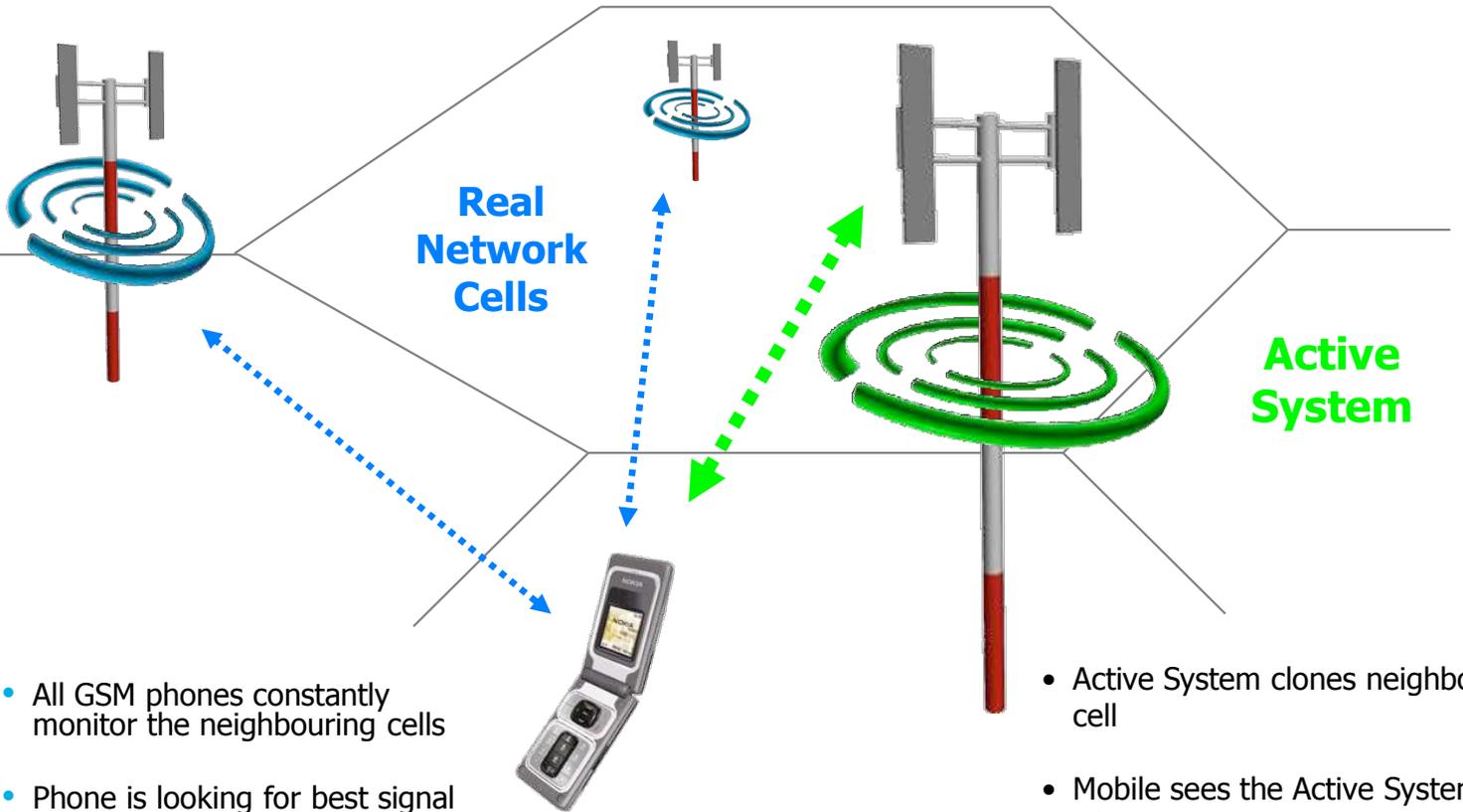
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How do Tactical Active Systems Work?

How does it work?

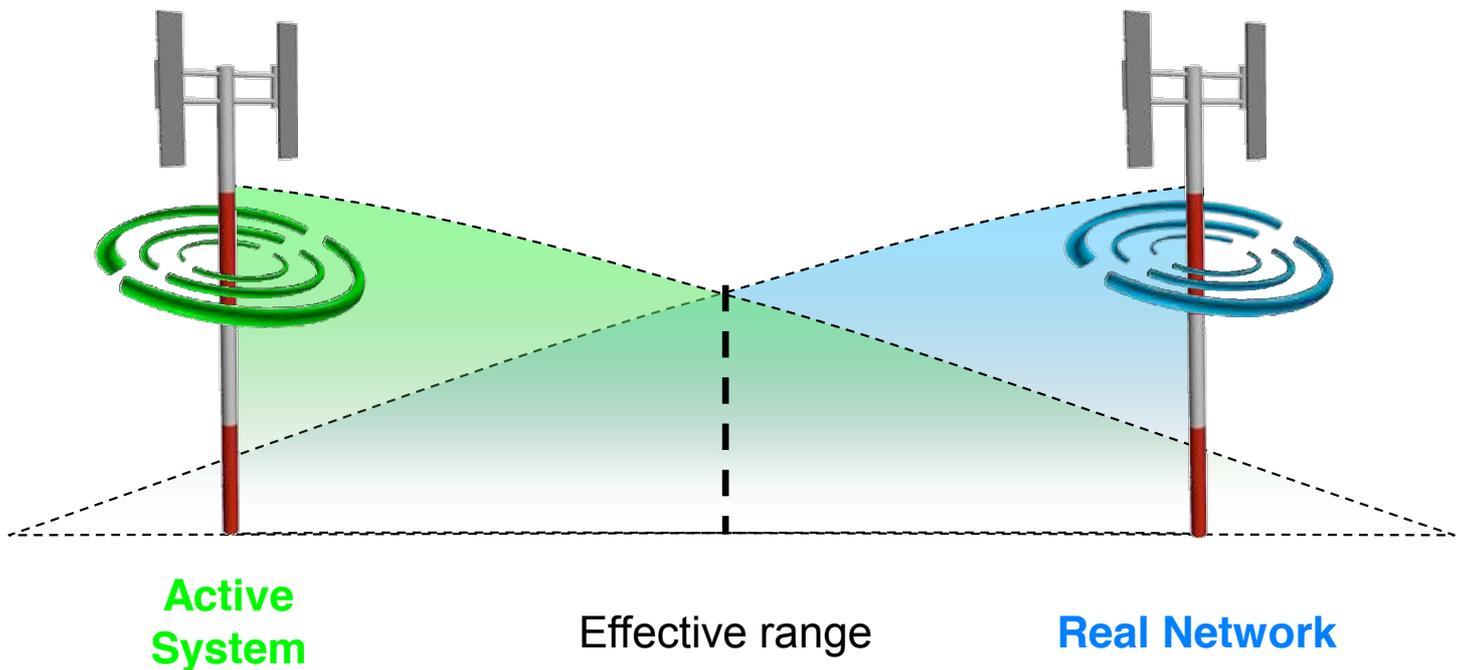


- All GSM phones constantly monitor the neighbouring cells
- Phone is looking for best signal

- Active System clones neighbour cell
- Mobile sees the Active System with greater power, locks on and gives up IMSI & IMEI data

Active system range

- The effective range is the point at which the real network signal is greater than that of the Active System
- Range can be increased by manipulation of the broadcast parameters or by increasing Active System output power
- Typical ranges: 50m dense urban, 1km urban, 5km rural





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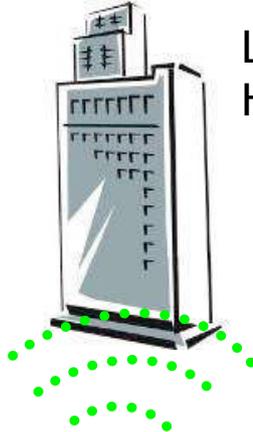
Target Identification

- Some criminals are smart, they constantly change handsets and swap SIM cards
- They use both GSM and for greater security 3G handsets
- How do we start to build a telecoms intelligence picture if we cannot identify the targets current handset/SIM card?
- We need a tool that can capture GSM and 3G handset and SIM card identities – The Active Tactical System!

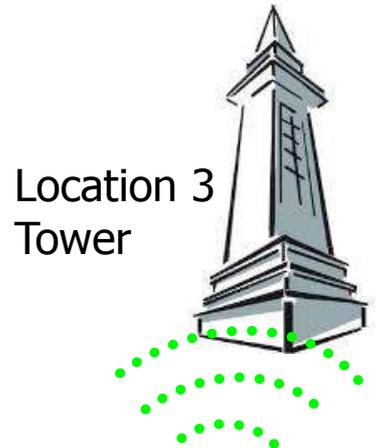
Identify a mobile at known location



Location 1
Home



Location 2
Hotel



Location 3
Tower

Last loc	IMSI	IMEI	Hits	Loc
Tower	234..	350..	12	3 *****
Hotel	234..	498..	8	2
Home	234..	520..	2	1
Hotel	234..	369..	1	1

- Once we have obtained the identity of our targets handsets and SIM card we can:
 - Establish 'Pattern of Life' through network provider cell IDs
 - Track targets handset changes and SIM swaps
 - Derive other associates through call records
 - Capture handset and SIM identities for associates in the same vicinity
 - Provide details for fixed line strategic intercept systems



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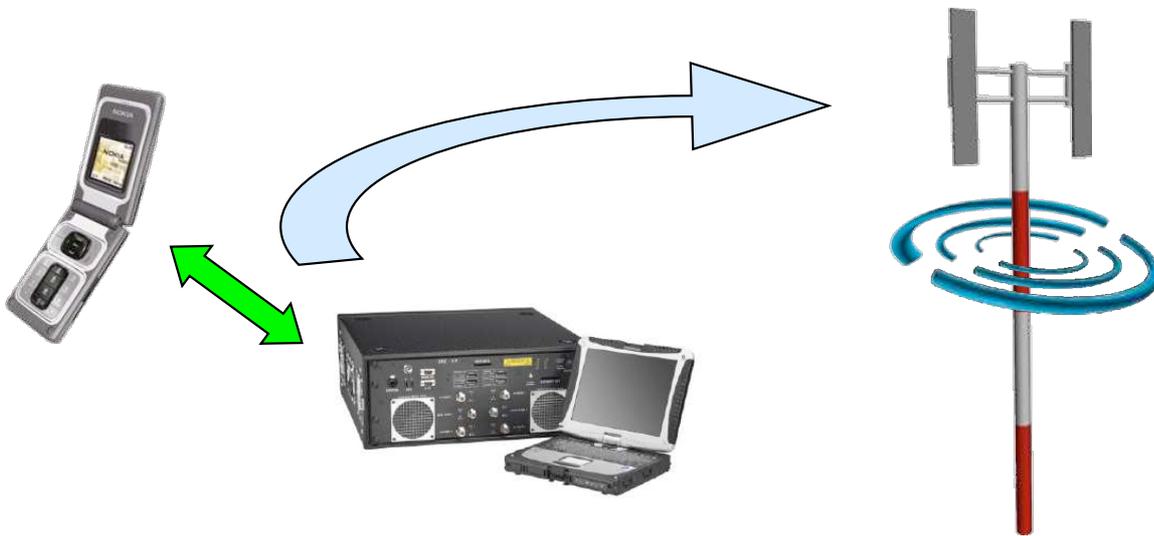
Voice/SMS Intercept



- Active system appears to be the real network
- Target phones register and will stay locked to the system
- Target phone is now off the real network and under Active System control for e.g. direction finding or hostage control situation
- Incoming and outgoing target calls/SMS can be intercepted and will be automatically recorded



- With a cloned target an Active System is able to intercept incoming and outgoing voice calls
- The system can override the call destination and redirect to a predefined number without the target knowing (e.g for hostage scenarios)
- Active System is able to record simultaneous calls. The operator can listen in in real time
- The records are stored as GSM speech frames, which yields in-built tamper protection



- Active System is able to intercept SMS calls
- Active System can send spoofed SMS to the target for misinformation purposes



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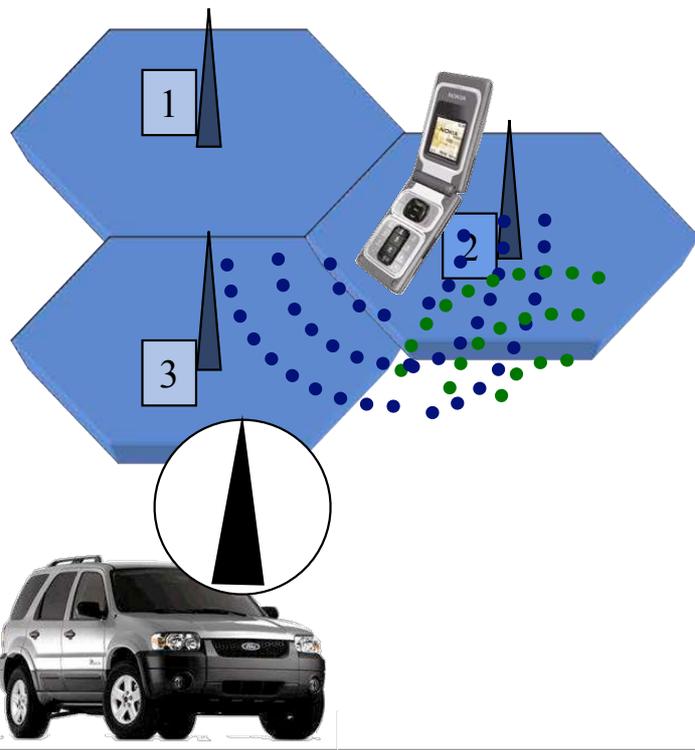
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Direction Finding

Geo-locate a known GSM/3G Target Mobile



- IMSI traced to GSM cell through network supplied information/call records
- Active System team deployed to cell
 - Optionally cell survey performed to determine boundary
- Once target can hear GSM signal he will be locked to the Active System
- Target is now under our control
- We initiate a 'Blind' (Silent) call
 - Target phone does not ring or vibrate
- Target phone is now transmitting on a frequency we control
- DF team move in for tracking
 - Normal to use separate vehicle
 - Vehicle system will bring you to the building
 - Handheld systems to within 1m of the phone
- DF'ing can also used to confirm target presence in suspected area/building





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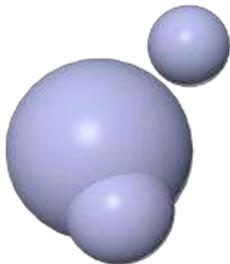


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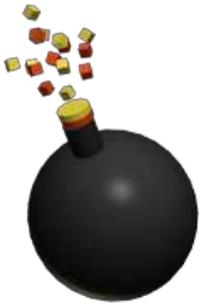


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Situation Control



- We need to provide an area of controlled network access. This may be for VIP protection purposes or perhaps to prevent the use of mobile phones in prisons for example
- For VIP protection we need to ensure that our agents can still gain access to the real network allowing them to carry a regular mobile phone
- For prevention in prisons, standard jamming prevents phone use but it doesn't allow any intelligence to be gathered
- Deploy Active System Bubble Mode
 - Soft denial
 - Locks all phones in the surrounding area
 - Network coverage appears normal but mimics network congestion for non-agent mobiles
 - Temporary cover. All mobiles are returned to the real network when the system stops transmitting or moves away from the area



- A bomb threat is received and it is anticipated that the device may be triggered by a mobile phone
- We need a way to disable the trigger handset and prevent it from rejoining the real network after we have stopped transmitting or have moved away from the area
- Deploy Active System Service Denial Mode
 - Hard denial. Results in disabling of SIM card
 - Handset cannot rejoin the network until its power is turned off and on again
 - Blanket denial or target specific



- Your own network in a box!
- Allows communications between agents independently of the real network
 - Secure comms between agents, cannot be intercepted on a strategic intercept system
 - Comms via standard GSM handset
 - Free calls!
- Can be deployed where no real network exists
- Can be deployed when the real network is off air or congested in crisis scenarios ensuring agent communication is maintained

EXHIBIT AC1/14

Response by the Ministry of Defence to a Freedom of Information Request dated 17 September 2015.



Ministry
of Defence

[REDACTED]
Defence Equipment and Support Secretariat

DE&S Secretariat
Maple 0a, #2043
MOD Abbey Wood
Bristol BS34 8JH

Tel: [REDACTED]



Email: DESSEC-FOI@mod.uk

[REDACTED]

[REDACTED]

Our Reference:
FOI2015/06621

Date: 17 Sept 2015

Dear [REDACTED],

Thank you for your email of 22 July 2015 which requested the following information:

Could I refine my request so that it just applies to the companies Cellxion and ForensicTS?

If that's still over the cost limit, could we restrict it to the last 5 years?

And if it is easy to acquire as per your advisory, could you provide a simple list of the contracts the MOD has held with all 3 companies?

This refined your earlier request which asked for the following:

For the companies Cellxion, Cobham and ForensicTS Ltd (formerly Forensic Telecommunications Services Ltd), for a 10-year period from July 1 2005 to July 1 2015, I would like to know:

- 1. Does the MoD have a contract, or has it ever had a contract with any of these companies?*
- 2. If so, please list the following:*
 - date the contract was signed/approved*
 - the date it expired*
 - items procured*
 - the value of the contract*
- 3. Please can you release scans/images of the contracts in full (with redactions if necessary)*

I am treating your email as a request for information under the Freedom of Information (FOI) Act 2000. A search for the information has now been completed within the Ministry of Defence (MOD), and I can confirm that some information in scope of your request is held.

With regards to your request for a list of contracts with all three companies, I previously advised you that the MOD had held a contract with ForensicTS. On further investigation, it was discovered that the only contract that we had identified with this company was, in fact, outside the scope of

Defence Equipment & Support

your question as it ended in 2004 and no payments were made after this date. The limited details that we hold have therefore not been included.

We had also identified a very small number of contracts with Cellxion. Details of the contracts, and scans of the contract documents, fall entirely within the scope of the qualified exemption provided for at Section 26 (Defence) and therefore have been withheld in full.

Section 26 (1) (b) has been applied to the contract details and documents because both elements contain sensitive information about the capability of the Armed Forces. The balance of public interest concluded that while release of this information would provide useful information about MOD contractual processes, there is a strong public interest in not releasing any details that would prejudice the capability of our Armed Forces or give a tactical advantage to our enemies. I have set the level of prejudice against release of the exempted information as 'would be likely to'.

A list of contracts between the MOD and Cobham, against which payments have been made over the last ten years, is included at Annex A. The analysis includes subsidiaries of Cobham, where we have been able to identify them, but does not include the MOD Trading Funds. Under Section 16 of the Act (advice and assistance), I should advise you that, while some of the contracts appear to have ended prior to July 2005, they have had payments made against them during the period named in your request and were therefore still considered open. You should also note that the information provided has been extracted from the MOD contracts database and it is likely that some of the information has not been updated, particularly for older entries. There may be instances, for example, where contract end dates or values are inaccurate as the database has not been updated to reflect subsequent changes to a contract. For the earlier contracts in particular, contract information is incomplete and we no longer hold contract titles. Furthermore, there are instances where companies are no longer part of the Cobham group, but have been included in this analysis as, at the time of contract award, they were part of Cobham. Where this is the case, I have annotated the table with a note.

Some of the information on this list also falls entirely within the scope of Section 26 (Defence) and has been redacted or withheld.

Section 26 (1) (b) has been applied to a number of lines because some of the contract titles contain operationally sensitive details and their release could also allow conclusions to be drawn about the capability of the Armed Forces. The balance of public interest concluded that while release of such limited details would enhance the accountability of the MOD through information about its contractual processes, there is a strong public interest in not releasing details that could prejudice the capability of our Armed Forces. I have set the level of prejudice against release of the exempted information as 'would be likely to'.

If you are not satisfied with this response or you wish to complain about any aspect of the handling of your request, then you should contact me in the first instance. If informal resolution is not possible and you are still dissatisfied then you may apply for an independent internal review by contacting the Information Rights Compliance team, 1st Floor, MOD Main Building, Whitehall, SW1A 2HB (e-mail CIO-FOI-IR@mod.uk). Please note that any request for an internal review must be made within 40 working days of the date on which the attempt to reach informal resolution has come to an end.

If you remain dissatisfied following an internal review, you may take your complaint to the Information Commissioner under the provisions of Section 50 of the Freedom of Information Act. Please note that the Information Commissioner will not investigate your case until the MOD internal review process has been completed. Further details of the role and powers of the Information Commissioner can be found on the Commissioner's website, <http://www.ico.org.uk>.

Yours sincerely,



Defence Equipment & Support

FOI2015 -- 06621 ANNEX A, CONTRACTS WITH COBHAM, CELLXION

Contract no	Contract title	Contract start date	Current contract end date	Current total contract value (£)	Vendor name	Notes
AWL23B/42	CONTRACT TITLE NOT HELD	30/04/1990	NOT HELD	1,020,000.00	FLIGHT REFUELLING LTD	
SM2A/232	CONTRACT TITLE NOT HELD	31/08/1990	NOT HELD	1,900,000.00	FLIGHT REFUELLING LTD	
SMC31BRA/536	CONTRACT TITLE NOT HELD	02/12/1994	NOT HELD	119,820.00	COBHAM FLUID SYSTEMS LTD	Company has been dormant since May 2009
MT(N)3BA0006	CONTRACT TITLE NOT HELD	01/02/1995	NOT HELD	1,886,000.00	FR AVIATION SERVICES LIMITED	
CP11C/005	MEDIUM SPEED AIR SUPPORT SERVICES	01/06/1995	NOT HELD	62,278,832.00	FR AVIATION LIMITED	
SMC32B/516	CONTRACT TITLE NOT HELD	10/08/1995	30/09/1999	1,538,357.00	FLIGHT REFUELLING LTD	
CP1/2/2015	DEFENCE HELICOPTER FLYING SCHOOL	07/11/1996	31/03/2012	639,097,893.28	FBS LIMITED	Cobham has 50% share
SMC23B/5140	CONTRACT TITLE NOT HELD	27/03/1997	30/06/2004	4,144,488.00	FR AVIATION LIMITED	
SMC11BRI/4250	CONTRACT TITLE NOT HELD	17/04/1997	NOT HELD	816,790.00	FLIGHT REFUELLING LTD	
SES1B/1297	CONTRACT TITLE NOT HELD	28/04/1997	NOT HELD	1,077,464.00	COBHAM CTS LIMITED	
AARM1B/382	CONTRACT TITLE NOT HELD	28/05/1998	31/12/2008	1,672,988.00	FLIGHT REFUELLING LTD	
SMC23A/2042	CONTRACT TITLE NOT HELD	18/07/1998	30/06/2006	468,001.00	COBHAM ADVANCED COMPOSITES LTD	
AIRARM3B/008	CONTRACT TITLE NOT HELD	03/12/1998	NOT HELD	11,535,203.00	FLIGHT REFUELLING LTD	
SCSS1B/206	CONTRACT TITLE NOT HELD	03/12/1998	NOT HELD	367,726.00	FR AVIATION LIMITED	
SMC32BRA/726	CONTRACT TITLE NOT HELD	13/10/1999	31/12/2008	1,350,320.00	FLIGHT REFUELLING LTD	
SMC32BRA/727	CONTRACT TITLE NOT HELD	13/10/1999	31/12/2008	6,925,313.00	FLIGHT REFUELLING LTD	
SMC32BRA/728	CONTRACT TITLE NOT HELD	13/10/1999	31/12/2008	643,478.00	FLIGHT REFUELLING LTD	
LC3/265	CONTRACT TITLE NOT HELD	27/10/1999	31/03/2010	20,552,214.74	FR AVIATION LIMITED	

FOI2015 - 06821 ANNEX A, CONTRACTS WITH COBHAM, CELLIXION

Contract no	Contract title	Contract start date	Current contract end date	Current total contract value (\$)	Vendor name	Notes
MAR11B/33	CONTRACT TITLE NOT HELD	06/12/1999	NOT HELD	241,315.00	COBHAM CTS LIMITED	
CP(P1)/020	MEDIUM SPEED AIR SUPPORT SERVICES	21/12/1999	31/12/2019	4.00	FR AVIATION LIMITED	
MCC/0002	HUSLE - POST DESIGN SERVICES	18/02/2000	NOT HELD	354,854.00	FLIGHT REFUELLING LTD	
VTSSA1/6286	CONTRACT TITLE NOT HELD	26/06/2000	NOT HELD	1,824.00	FLIGHT REFUELLING LTD	
SC602/7266A	CONTRACT TITLE NOT HELD	27/06/2000	23/02/2005	5,650.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
BFIC1A/2	CONTRACT TITLE NOT HELD	12/10/2000	NOT HELD	1,570,737.00	FLIGHT REFUELLING LIMITED	
FBG/0008	CONTRACT TITLE NOT HELD	26/10/2000	NOT HELD	949,048.47	COBHAM CTS LIMITED	
S&A/C/5231	CONTRACT TITLE NOT HELD	18/01/2001	31/12/2005	302,920.00	FLIGHT REFUELLING LTD	
ALMC1/4584	CONTRACT TITLE NOT HELD	20/06/2001	NOT HELD	1,696,803.00	FLIGHT REFUELLING LTD	
SKG1/0058	THE REPAIR OF CHELTON (ELECTROSTATICS) LTD HOMER ARI 23515, ARI 23338 & ASSOCIATED EQUIPMENT	26/06/2001	26/02/2006	5.00	CHELTON LIMITED	
ALMC1/4786	CONTRACT TITLE NOT HELD	06/07/2001	31/03/2006	2,214,408.00	FLIGHT REFUELLING LTD	
NIMES/5087	CONTRACT TITLE NOT HELD	24/07/2001	31/12/2005	843,058.00	CHELTON LIMITED	
ALMC1/4685	CONTRACT TITLE NOT HELD	25/09/2001	31/03/2006	1,621,722.00	FLIGHT REFUELLING LTD	
AOSIPT/022	CONTRACT TITLE NOT HELD	09/10/2001	NOT HELD	37,183,319.15	COBHAM FLIGHT INSPECTION LIMITED	
DGM1/1103	CONTRACT TITLE NOT HELD	12/10/2001	NOT HELD	9,756,249.00	WALLOP DEFENCE SYSTEMS LTD	Company sold by Cobham in March 2006. No longer part of the Cobham group.
SMS/94002	CONTRACT TITLE NOT HELD	25/10/2001	NOT HELD	470,554.50	CHELTON RADOMES LIMITED	

FOI2015 - 06621 ANNEX A. CONTRACTS WITH COBHAM, CELLXION

Contract no	Contract title	Contract start date	Current contract end date	Current total contract value (£)	Vendor name	Notes
ALMC2/4754	CONTRACT TITLE NOT HELD	27/11/2001	31/03/2005	107,176.00	FLIGHT REFUELLING LTD	
AARC19/00062	CONTRACT TITLE NOT HELD	07/01/2002	31/12/2008	1,276,696.00	FLIGHT REFUELLING LTD	
JAGCAN/1123	CONTRACT TITLE NOT HELD	02/04/2002	NOT HELD	402,874.00	FR AVIATION LIMITED	
TRGACC/3026	CONTRACT TITLE NOT HELD	27/06/2002	NOT HELD	115,500.00	SLINGSBY AVIATION LIMITED	Company sold by Cobham in June 2006. No longer part of the Cobham group.
SMS/9/4055	CONTRACT TITLE NOT HELD	12/09/2002	31/09/2007	59,750.87	WALLOP DEFENCE SYSTEMS LTD	Company sold by Cobham in March 2006. No longer part of the Cobham group.
HICC/0050	ROTARY WING SUPPORT TO BRITISH FORCES CYPRUS	06/09/2002	31/03/2010	30,947,687.00	F B HELISERVICES LTD	
AVCOMM2/1262	CONTRACT TITLE NOT HELD	17/09/2002	NOT HELD	83,056.00	CHELTON LIMITED	
SYCOMM/SA/16301	CONTRACT TITLE NOT HELD	09/10/2002	31/03/2007	40,000.00	COBHAM TCS LIMITED	
AVCOMM/4/0150	CONTRACT TITLE NOT HELD	01/11/2002	NOT HELD	90,000.00	FLIGHT REFUELLING LTD	
AVCOMM5/4004	CONTRACT TITLE NOT HELD	10/12/2002	30/06/2006	1,588,282.00	CHELTON LIMITED	
SENTRY/1363	CONTRACT TITLE NOT HELD	17/12/2002	NOT HELD	3,750,001.00	FR AVIATION LIMITED	
JAGCAN/1141	CONTRACT TITLE NOT HELD	23/12/2002	31/07/2006	947,779.00	FR AVIATION LIMITED	
JAGCAN/1147	CONTRACT TITLE NOT HELD	01/01/2003	NOT HELD	1,000,000.00	FR AVIATION LIMITED	
HICC/0060	ROTARY WING SUPPORT TO BATSUB	09/01/2003	30/09/2009	16,468,199.40	F B HELISERVICES LTD	Cobham has 50% share
DGM/1224	CONTRACT TITLE NOT HELD	24/01/2003	NOT HELD	632,805.00	WALLOP DEFENCE SYSTEMS LIMITED	Company sold by Cobham in March 2006. No longer part of the Cobham group.

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Contract no	Contract title	Contract start date	Current contract end date	Current total contract value (\$)	Vendor name	Notes
DGM/1027	CONTRACT TITLE NOT HELD	06/02/2003	NOT HELD	3,424,468.07	WALLOP DEFENCE SYSTEMS LTD	Company sold by Cobham in March 2006. No longer part of the Cobham group.
AS9C/A48	CONTRACT TITLE NOT HELD	18/02/2003	31/12/2003	206,077.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
MTSC0048	CONTRACT TITLE NOT HELD	17/03/2003	NOT HELD	579,818.00	FLIGHT REFUELLING LTD	
ICSS/1058	CONTRACT TITLE NOT HELD	31/03/2003	01/04/2006	600,517.00	COBHAM TCS LIMITED	
AVCOMM/15719	CONTRACT TITLE NOT HELD	01/06/2003	31/05/2010	27,555.00	FR AVIATION LIMITED	
ICSS/10306	CONTRACT TITLE NOT HELD	01/05/2003	31/05/2008	2,489,820.00	CHELTON LIMITED	
ICSS/1066	CONTRACT TITLE NOT HELD	30/05/2003	01/07/2003	30,000.00	COBHAM DEFENCE COMMUNICATIONS LIMITED	
ALTOSSESA/1008	CONTRACT TITLE NOT HELD	01/09/2003	30/09/2008	520,090.00	COBHAM CTS LIMITED	
MPSCBC/10491	CONTRACT TITLE NOT HELD	04/08/2003	31/10/2003	112,163.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
AOSMPT/242	CONTRACT TITLE NOT HELD	11/09/2003	30/09/2006	350,000.00	CHEDOWAN LTD	
ESS/0121	CONTRACT TITLE NOT HELD	10/12/2003	09/12/2006	75,596.00	FLIGHT REFUELLING LIMITED	
FBG/01189	STANDARDS FOR FUTURE MILITARY AVONICS SYSTEMS (ASSC), SUPPLIER IS ERA TECHNOLOGY	10/01/2004	31/05/2007	865,160.00	COBHAM CTS LIMITED	
AARC/1A/00097	CONTRACT TITLE NOT HELD	19/01/2004	31/12/2008	255,000.00	FLIGHT REFUELLING LTD	
DGM/1195	CONTRACT TITLE NOT HELD	20/01/2004	20/01/2007	300,000.00	WALLOP DEFENCE SYSTEMS LTD	Company sold by Cobham in March 2006. No longer part of the Cobham group.

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Contract no	Contract title	Contract start date	Current contract end date	Current total contract value (£)	Vendor name	Notes
DGM/1248	CONTRACT TITLE NOT HELD	11/02/2004	30/04/2007	121,590.00	WALLOP DEFENCE SYSTEMS LTD	Company sold by Cobham in March 2006. No longer part of the Cobham group.
SBADC/5344	CONTRACT TITLE NOT HELD	16/03/2004	17/10/2004	53,560.00	CHELTON (ELECTROSTATICS) LIMITED	
MIFSCBC/10604	CONTRACT TITLE NOT HELD	29/03/2004	01/05/2004	36,555.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
C/GSV/12051	CONTRACT TITLE NOT HELD	08/04/2004	01/04/2005	92,670.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
AVCOMMS/16414	CONTRACT TITLE NOT HELD	04/05/2004	10/09/2004	28,609.00	CHELTON (ELECTROSTATICS) LIMITED	
SENTRY/1407	CONTRACT TITLE NOT HELD	21/05/2004	09/09/2005	801,737.00	FR AVIATION LIMITED	
CHC/192	SUPPLY OF SATCOM ANTENNA	21/06/2004	21/09/2004	32,645.00	CHELTON (ELECTROSTATICS) LIMITED	
CFESS8C/9466	CONTRACT TITLE NOT HELD	26/06/2004	27/09/2004	36,878.24	COBHAM FLUID SYSTEMS LTD.	Company has been dormant since May 2009
SBADC/5363	CONTRACT TITLE NOT HELD	01/07/2004	31/12/2005	60,000.00	FLIGHT REFUELLING LTD	
TECM/0034	CONTRACT TITLE NOT HELD	01/07/2004	26/11/2004	46,389.00	FLIGHT REFUELLING LIMITED	
SIFF/009	CONTRACT TITLE NOT HELD	23/07/2004	31/09/2007	19,500.00	F B HELISERVICES LTD	Cobham has 50% share
SENTRY/1410	CONTRACT TITLE NOT HELD	01/08/2004	31/07/2006	3,000,000.00	FR AVIATION LIMITED	
ICSS/12523	CONTRACT TITLE NOT HELD	10/08/2004	17/01/2005	62,500.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009

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Contract no	Contract title	Contract start date	Current contract end date	Current total contract value (\$)	Vendor name	Notes
TORSPT34044	CONTRACT TITLE NOT HELD COMR - LEASE OF BELL 212 AIRCRAFT FOR BELIZE AND BRUNEL TRAINING REQUIREMENTS	11/08/2004	31/01/2005	37,422.00	GHELTON (ELECTROSTATICS) LIMITED	
HICC0113		20/08/2004	30/09/2008	2,255,181.00	F B HELISERVICES LTD	
AOSIPT/316	CONTRACT TITLE NOT HELD	24/08/2004	30/09/2004	122,565.00	FLIGHT PRECISION LIMITED	Company dissolved in June 2012
MPSCBC/10701	CONTRACT TITLE NOT HELD ROTARY WING SUPPORT TO BRUNEL GARRISON	27/08/2004	31/12/2004	54,578.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
HICC0064		20/08/2004	30/09/2008	11,146,689.00	F B HELISERVICES LTD	
HICC0119	DEFENDER - SUPPLY OF SPREADER BARS	20/08/2004	06/02/2005	15,060.00	FLIGHT REFUELLING LIMITED	
CIGSV1/21	CONTRACT TITLE NOT HELD	07/10/2004	28/11/2004	2,949.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
CFESSB/10186	CONTRACT TITLE NOT HELD	12/10/2004	12/11/2004	1,807.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
ICSS/12386	CONTRACT TITLE NOT HELD	13/10/2004	07/03/2005	105,539.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
MPSCBC/10708	CONTRACT TITLE NOT HELD	21/10/2004	27/05/2005	9,438.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
MPSCBC/10684	CONTRACT TITLE NOT HELD	28/10/2004	31/01/2005	156,624.00	FLIGHT REFUELLING LIMITED	
CFESSB/3651	CONTRACT TITLE NOT HELD	12/11/2004	11/11/2007	95,000.00	FLIGHT REFUELLING LTD	
AOSIPT/330	CONTRACT TITLE NOT HELD	15/11/2004	24/01/2005	11,747.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
SENTRY/1394	CONTRACT TITLE NOT HELD	15/11/2004	01/11/2016	3,796,878.00	FR AVIATION LIMITED	

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Contract no	Contract title	Contract start date	Current contract end date	Current total contract value (£)	Vendor name	Notes
C/GSY11046	CONTRACT TITLE NOT HELD	17/11/2004	01/06/2005	53,419.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
ESSESLC/0420	CONTRACT TITLE NOT HELD	18/11/2004	31/03/2006	938,486.00	FLIGHT REFUELLING LTD	
MPSCBC/10734	CONTRACT TITLE NOT HELD	22/11/2004	28/02/2005	21,866.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
HARC1A/6056	CONTRACT TITLE NOT HELD	25/11/2004	28/04/2005	29,850.00	CHELTON (ELECTROSTATICS) LIMITED	
HARC1A/6057	CONTRACT TITLE NOT HELD	26/11/2004	28/04/2005	19,200.00	CHELTON (ELECTROSTATICS) LIMITED	
MPSCBC/10736	CONTRACT TITLE NOT HELD	28/11/2004	01/04/2005	13,908.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
AOSIPT/322	CONTRACT TITLE NOT HELD	01/12/2004	19/10/2011	1,491,920.06	COBHAM FLIGHT INSPECTION LIMITED	
SANSC/104041	CONTRACT TITLE NOT HELD	02/12/2004	31/03/2007	344,258.00	FR AVIATION LIMITED	
ICSS/12699	CONTRACT TITLE NOT HELD	16/12/2004	08/03/2005	64,350.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
ICSS/12744	CONTRACT TITLE NOT HELD	18/12/2004	03/05/2005	83,967.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
MESH1/10137	SUPPLY OF OIL FILTRATION UNITS FOR HM SHIPS. OIL FILTERS.	17/12/2004	31/12/2010	2,309,782.63	FLIGHT REFUELLING LTD	
MESH1/10137P2P	SUPPLY OF OIL FILTRATION UNITS FOR HM SHIPS. OIL FILTERS.	17/12/2004	31/12/2010	2,398,646.50	FLIGHT REFUELLING LTD	
ICSS/12772	CONTRACT TITLE NOT HELD	08/01/2005	08/04/2005	11,179.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009

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Contract no	Contract title	Contract start date	Current contract end date	Current total contract value (£)	Vendor name	Notes
C/GSV1/147	CONTRACT TITLE NOT HELD	12/01/2005	27/03/2005	2,178.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
C/GSV1/18122	CONTRACT TITLE NOT HELD	12/01/2005	24/03/2005	18,324.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
C/GSV1/18143	CONTRACT TITLE NOT HELD	12/01/2005	24/03/2005	1,696.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
FBG/01198	STANDARDS FOR AIR SYSTEM ELECTROMAGNETIC ENVIRONMENTAL EFFECTS (E3)	25/01/2005	31/03/2007	360,661.00	COBHAM CTS LIMITED	
MPSCBC/10758	CONTRACT TITLE NOT HELD	27/01/2005	30/06/2005	77,985.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
SANSC/104049	CONTRACT TITLE NOT HELD	01/02/2005	30/06/2006	147,800.00	VECTOR FIELDS LIMITED	Company dissolved in July 2015.
ICSS/11908	CONTRACT TITLE NOT HELD	03/02/2005	09/08/2005	230,000.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
ICSS/12838	CONTRACT TITLE NOT HELD	10/02/2005	29/04/2005	2,060.00	MICROMILL ELECTRONICS LIMITED	
MPSCBC/10770	CONTRACT TITLE NOT HELD	14/02/2005	30/06/2005	35,357.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
SANSC/204080	CONTRACT TITLE NOT HELD	14/02/2005	31/03/2009	1,767,032.06	CHELTON LIMITED	
SANSC/104051	CONTRACT TITLE NOT HELD	15/02/2005	31/03/2006	400,118.00	ERA TECHNOLOGY LIMITED	
C/GSV1/18168	CONTRACT TITLE NOT HELD	17/02/2005	09/05/2005	16,061.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
FASST/18168	CONTRACT TITLE NOT HELD	24/02/2005	10/06/2005	13,750.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009

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Contract no	Contract title	Contract start date	Current contract end date	Current total contract value (\$)	Vendor name	Notes
CJESS8/14336	CONTRACT TITLE NOT HELD	25/02/2005	13/05/2005	41,134.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
SANSC/104057	CONTRACT TITLE NOT HELD	04/03/2005	29/09/2005	239,488.00	ERA TECHNOLOGY LIMITED	
CJGSV/11066	CONTRACT TITLE NOT HELD	16/03/2005	22/07/2005	86,048.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
MPSCBC/10782	CONTRACT TITLE NOT HELD	22/03/2005	31/03/2006	33,177.00	FLIGHT REFUELLING LTD	
FASSTB/009	CONTRACT TITLE NOT HELD	23/03/2005	24/06/2005	3,450.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
ICSS/12602	CONTRACT TITLE NOT HELD	05/04/2005	31/05/2005	51,200.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
ICSS/12835	CONTRACT TITLE NOT HELD	06/04/2005	20/05/2005	3,302.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
HICC/0102	PDS FOR HUSLE	08/04/2005	31/03/2010	193,755.00	FLIGHT REFUELLING LTD	
JES/000004	CONTRACT TITLE NOT HELD	22/04/2005	31/09/2005	2,700.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
MPSCBC/10785	CONTRACT TITLE NOT HELD	27/04/2005	30/09/2005	71,908.00	COBHAM FLUID SYSTEMS LTD	Company has been dormant since May 2009
MPSCBC/10807	CONTRACT TITLE NOT HELD	10/05/2005	30/09/2005	53,288.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
LYNXC/10067	GASKETS FOR SEA SKUS HIE	19/05/2005	31/08/2005	27,250.00	CHELTON (ELECTROSTATICS) LIMITED	
SENTRY/1424	CONTRACT TITLE NOT HELD	20/05/2005	22/07/2006	43,759.00	FR AVIATION SERVICES LIMITED	

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Contract no	Contract title	Contract start date	Current contract end date	Current total contract value (£)	Vendor name	Notes
ICSS/12940	CONTRACT TITLE NOT HELD	25/05/2005	19/06/2005	15,216.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
C/CSV/12949	CONTRACT TITLE NOT HELD	06/06/2005	26/07/2005	2,147.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
ICSS/12929	CONTRACT TITLE NOT HELD	07/04/2005	12/09/2005	20,165.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
MPSCBC/10763	CONTRACT TITLE NOT HELD	07/06/2005	30/08/2005	4,249.00	COBHAM FLUID SYSTEMS LTD	Company has been dormant since May 2009
ICSS/12910	CONTRACT TITLE NOT HELD	10/06/2005	30/09/2005	93,600.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
ICSS/12379	CONTRACT TITLE NOT HELD	11/08/2005	05/09/2005	4,922.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
C/CSV/12980	CONTRACT TITLE NOT HELD	15/06/2005	19/07/2005	101.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
FBG/01219	SPECIALIST ADVISE AND TESTING LIGHTNING AND STATIC ELECTRICITY EFFECT ON AIR SYSTEMS	21/06/2005	31/03/2007	134,590.00	CULHAM LIGHTNING LIMITED	Company dissolved in July 2015
ICSS/12980	CONTRACT TITLE NOT HELD	21/06/2005	05/12/2005	201,305.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
ICSS/12988	CONTRACT TITLE NOT HELD	27/06/2005	12/09/2005	7,713.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
DOSGST/0005	CONTRACT TITLE NOT HELD	01/07/2005	30/06/2007	40,000.00	CULHAM LIGHTNING LIMITED	Company dissolved in July 2015

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Contract no	Contract title	Contract start date	Current contract end date	Current total contract value (\$)	Vendor name	Notes
GGGEH40010	CONTRACT TITLE NOT HELD	01/07/2005	31/01/2006	9,815.00	COBHAM COMPOSITES LIMITED	Company dissolved in November 2014
ICSS/1077	CONTRACT TITLE NOT HELD	01/07/2005	30/06/2011	137,447.00	CHELTON LIMITED	
LYNX2/0145	SUPPLY OF ANTENNA AND GASKET	01/07/2005	02/12/2005	24,978.00	CHELTON LIMITED	
SKC/0008	SUPPLY OF ANTENNA GASKETS FOR SEA KING MK5 AC	05/07/2005	16/07/2005	900.00	CHELTON (ELECTROSTATICS) LIMITED	
ICSS/12915	CONTRACT TITLE NOT HELD	20/07/2005	19/12/2005	101,040.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
AOSJPT/388	CONTRACT TITLE NOT HELD	27/07/2005	NOT HELD	37,500.00	RACAL ANTENNAS LTD	Company has been dormant since May 2009
NIMES/281	CONTRACT TITLE NOT HELD	28/07/2005	15/01/2006	13,795.00	CHELTON (ELECTROSTATICS) LIMITED	
C/CSV1/8206	CONTRACT TITLE NOT HELD	01/08/2005	12/09/2005	45,975.00	COBHAM FLUID SYSTEMS LIMITED	Company has been dormant since May 2009
ICSS/12963	CONTRACT TITLE NOT HELD	15/08/2005	31/01/2006	44,854.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
Q/ESS96C/9553	CONTRACT TITLE NOT HELD	23/08/2005	07/10/2005	773.02	FLIGHT REFUELLING LTD	
DGM/1379	PARTNERING AGREEMENT FOR THE PROVISION AND DEVELOPMENT OF AIR COUNTERMEASURES	23/08/2005	04/09/2017	53,298,171.00	WALLOP DEFENCE SYSTEMS LTD	Company sold by Cobham in March 2006 during the course of this contract. Post the sale date, the obligations and responsibility relating to this contract passed to the acquiring company.

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Contract no	Contract title	Contract start date	Current contract end date	Current total contract value (£)	Vendor name	Notes
NIMES/5289	CONTRACT TITLE NOT HELD	2/09/2005	25/01/2006	30,085.00	CHELTON (ELECTROSTATICS) LIMITED	
RT/COM/4/044	CONTRACT TITLE NOT HELD	30/09/2005	09/11/2009	1,568,542.00	COBHAM GTS LIMITED	
FBG/01222	STAND IN JAMMER CAPABILITY CONCEPT DEMONSTRATOR - SUPPLIER FR AVIATION	01/09/2005	31/01/2006	88,582.00	FR AVIATION LIMITED	
HARC/1A/003	CONTRACT TITLE NOT HELD	08/09/2005	13/02/2006	3,682.00	CHELTON (ELECTROSTATICS) LIMITED	
C/ESSC/9725	CONTRACT TITLE NOT HELD	26/09/2005	21/12/2005	8,109.00	FLIGHT REFUELLING LIMITED	
F/SS7B/096	CONTRACT TITLE NOT HELD	28/09/2005	18/01/2006	5,750.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
ICSS/13028	CONTRACT TITLE NOT HELD	14/10/2005	17/02/2006	46,984.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
F/SS7B/671	CONTRACT TITLE NOT HELD	17/10/2005	12/12/2006	2,017.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
SKC/0012	SUPPLY OF UNIF ANTENNA GASKETS FOR SEA KING	18/10/2005	31/12/2005	599.00	CHELTON (ELECTROSTATICS) LIMITED	
MPSCBC/10851	CONTRACT TITLE NOT HELD	19/10/2005	30/06/2006	18,465.00	SLINGSBY AVIATION LIMITED	Company sold by Cobham in June 2006. No longer part of the Cobham group.
LSDAC/10010	CONTRACT TITLE NOT HELD	20/10/2005	31/01/2006	23,250.00	COBHAM GTS LIMITED	
C/ESSC/9652	CONTRACT TITLE NOT HELD	28/10/2005	11/01/2006	22,191.00	FLIGHT REFUELLING LTD	
TECAM/0126	CONTRACT TITLE NOT HELD	01/11/2005	30/06/2011	134,336.00	FLIGHT REFUELLING LTD	

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Contract no	Contract title	Contract start date	Current contract end date	Current total contract value (£)	Vendor name	Notes
MPSBC/10891	CONTRACT TITLE NOT HELD	30/11/2005	30/06/2006	46,808.59	FLIGHT REFUELLING LIMITED	
SBADC/6691	CONTRACT TITLE NOT HELD	01/01/2006	31/12/2010	33,500.00	FLIGHT REFUELLING LTD	Company has been dormant since May 2009
ICSS/13077	CONTRACT TITLE NOT HELD	13/01/2006	20/03/2006	2,188.00	RACAL ANTENNAS LIMITED	
C/ESS8/14493	CONTRACT TITLE NOT HELD	15/02/2006	31/03/2006	6,044.00	FLIGHT REFUELLING LIMITED	Company has been dormant since May 2009
ICSS/13258	CONTRACT TITLE NOT HELD	02/03/2006	01/06/2006	4,763.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
ICSS/13264	CONTRACT TITLE NOT HELD	06/03/2006	15/06/2006	2,759.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
C/ESS8C/6667	CONTRACT TITLE NOT HELD	07/03/2006	02/05/2006	7,808.00	FLIGHT REFUELLING LIMITED	
ICSS/13240	CONTRACT TITLE NOT HELD	09/03/2006	15/05/2006	945.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
MPSBC/10888	CONTRACT TITLE NOT HELD	09/03/2006	31/12/2006	40,205.00	FLIGHT REFUELLING LIMITED	
ICSS/13247	CONTRACT TITLE NOT HELD	13/03/2006	05/06/2006	4,975.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
ICSS/13256	CONTRACT TITLE NOT HELD	17/03/2006	19/06/2006	19,189.00	CHELTON (ELECTROSTATICS) LIMITED	
ICSS/13292	CONTRACT TITLE NOT HELD	21/03/2006	12/06/2006	4,442.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009

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Contract no	Contract title	Contract start date	Current contract end date	Current total contract value (£)	Vendor name	Notes
ICSS/13181	CONTRACT TITLE NOT HELD	27/03/2006	15/05/2006	1,200.00	RACAL ANTENNAS LIMITED CHELTON (ELECTROSTATICS)	Company has been dominant since May 2009
ICE/00034	CONTRACT TITLE NOT HELD	29/03/2006	31/03/2007	550.00	RACAL ANTENNAS LIMITED CHELTON (ELECTROSTATICS)	Company has been dominant since May 2009
ICSS/1082	BATUS SAFETY SYSTEM SUPPORT	01/04/2008	31/03/2014	3.00	COBHAM TCS LIMITED	
S&ADC/6713	CONTRACT TITLE NOT HELD	01/04/2006	31/03/2010	78,157.00	FLIGHT REFUELLING LTD	
SKC/0018	PURCHASE OF ANTENNA MODS FOR SEAKING MK3 & MK3A	01/04/2006	21/04/2006	16,250.00	CHELTON (ELECTROSTATICS) LIMITED	
ICSS/13128	CONTRACT TITLE NOT HELD	03/04/2006	02/07/2006	47,982.00	RACAL ANTENNAS LIMITED	Company has been dominant since May 2009
CFESS/0786	CONTRACT TITLE NOT HELD	12/04/2006	09/08/2006	1,594.00	FLIGHT REFUELLING LIMITED	
CFESS/10290	CONTRACT TITLE NOT HELD	26/04/2006	02/06/2006	3,893.00	FLIGHT REFUELLING LTD	
MGMS/0005	CONTRACT TITLE NOT HELD	02/05/2006	01/05/2009	75,967.35	COBHAM ADVANCED COMPOSITES LTD	
CFESS/10297	CONTRACT TITLE NOT HELD	09/05/2006	09/06/2006	313.00	FLIGHT REFUELLING LIMITED	
FAS/7/66	CONTRACT TITLE NOT HELD	10/05/2006	11/08/2006	704.00	RACAL ANTENNAS LIMITED	Company has been dominant since May 2009
ICE/00039	CONTRACT TITLE NOT HELD	15/05/2006	31/03/2009	431,700.00	CHELTON LIMITED	Company has been dominant since May 2009
ICSS/13302	CONTRACT TITLE NOT HELD	31/05/2006	09/10/2006	59,810.00	RACAL ANTENNAS LIMITED	Company has been dominant since May 2009

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Contract no	Contract title	Contract start date	Current contract end date	Current total contract value (£)	Vendor name	Notes
MPSCBC/10928	CONTRACT TITLE NOT HELD	09/06/2006	30/09/2006	13,924.00	FLIGHT REFUELLING LIMITED	
FASST/7775	CONTRACT TITLE NOT HELD	12/06/2006	22/09/2006	7,490.00	RACAL ANTENNAS LTD	Company has been dormant since May 2009
PGC/257	PURCHASE OF ANTENNA CABLE KIT	18/06/2006	NOT HELD	1,200.00	FR AVIATION LIMITED	
FASST/792	CONTRACT TITLE NOT HELD	23/06/2006	25/09/2006	2,606.00	RACAL ANTENNAS LTD	Company has been dormant since May 2009
ICSS/13389	CONTRACT TITLE NOT HELD	13/07/2006	18/08/2006	189.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
ICSS/13386	CONTRACT TITLE NOT HELD	19/07/2006	15/09/2006	1,044.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
AOSIPT/425	CONTRACT TITLE NOT HELD	01/08/2006	31/03/2010	688,430.00	FR AVIATION LIMITED	
HCC/0188	HULSE-SVO PURCHASE OF LIFTING FRAME ASSYS	18/08/2006	31/03/2007	18,723.00	FLIGHT REFUELLING LTD	
AOSIPT/451	CONTRACT TITLE NOT HELD	11/09/2006	31/07/2008	729,441.00	CHEDOWAN LTD	
MARC/180066	CONTRACT TITLE NOT HELD	15/09/2006	01/12/2007	118,331.00	CHELTON LIMITED	
C/ESS/8C/8600	CONTRACT TITLE NOT HELD	04/10/2006	20/10/2006	257.00	REFUELLING LTD	
MESH/1/0368	ONLY WATER SEPARATOR FOR LAND BASED DEMONSTRATOR	20/10/2006	31/03/2007	276,064.00	FLIGHT REFUELLING LTD	
CLAST/6680	CONTRACT TITLE NOT HELD	24/10/2006	23/11/2007	54,648.00	FLIGHT REFUELLING LTD	
MPSCBC/11001	CONTRACT TITLE NOT HELD	25/10/2006	30/09/2007	249,408.00	FLIGHT REFUELLING LTD	
ICSS/13413	CONTRACT TITLE NOT HELD	05/11/2006	02/02/2007	3,825.00	RACAL ANTENNAS LIMITED	Company has been dormant since May 2009
MGMS/0546	CONTRACT TITLE NOT HELD	08/11/2006	30/11/2006	945.00	CHEDOWAN LTD	

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Contract #	Contract #	Contract title	Contract start date	Current contract end date	Current total contract value (£)	Vendor name	Notes
BATCM10046		CONTRACT TITLE NOT HELD	17/11/2006	12/01/2007	1,200.00	RACAL ANTENNAS LTD	Company has been dormant since May 2009
BATCM10016		CONTRACT TITLE NOT HELD	22/11/2006	21/02/2007	10,500.00	RACAL ANTENNAS LTD	Company has been dormant since May 2009
C/ESS8C/9816		CONTRACT TITLE NOT HELD	11/12/2006	22/12/2006	1,540.00	FLIGHT REFUELLING LTD	
AOSIPT/448		CONTRACT TITLE NOT HELD	13/12/2006	11/05/2008	14,831.00	RACAL ANTENNAS LTD	Company has been dormant since May 2009
C/ESS8C/9821		CONTRACT TITLE NOT HELD	08/01/2007	04/03/2007	1,256.00	FLIGHT REFUELLING LTD	
AOSIPT/446		CONTRACT TITLE NOT HELD	09/01/2007	31/12/2008	147,838.00	FR AVIATION LIMITED	
TORSPT3/4089		CONTRACT TITLE NOT HELD	09/01/2007	30/04/2007	23,194.00	REFUELLING LTD	
AVCOMM6/0091		CONTRACT TITLE NOT HELD	22/01/2007	30/06/2007	153,283.46	CHELTON LIMITED	
MPSC8C/11004		CONTRACT TITLE NOT HELD	02/02/2007	30/09/2007	39,602.00	FLIGHT REFUELLING LTD	
FASSTB/846		CONTRACT TITLE NOT HELD	09/02/2007	20/04/2007	11,323.00	CHELTON LIMITED	
SMC118R/4536		CONTRACT TITLE NOT HELD	27/03/2007	27/03/2013	68,324.00	FLIGHT REFUELLING LTD	
NIMES/5354		CONTRACT TITLE NOT HELD	04/04/2007	31/03/2011	70,000.00	CHELTON LIMITED	
HJ/ISS/205		CONTRACT TITLE NOT HELD	12/04/2007	31/07/2008	150,345.00	CHELTON LIMITED	
M&GS/GAMA/676		CONTRACT TITLE NOT HELD	27/04/2007	30/10/2007	1,360.00	COBHAM ADVANCED COMPOSITES LTD	
C/ESS8C/9845		CONTRACT TITLE NOT HELD	01/05/2007	30/05/2007	343.00	FLIGHT REFUELLING LTD	
FTS1/SARH/00012		CONTRACT TITLE NOT HELD	18/05/2007	31/12/2009	175,437.00	COBHAM CTS LIMITED	

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Contract no	Contract title	Contract start date	Current contract end date	Current total contract value (£)	Vendor name	Notes
FTS1/ASS/6006	CONTRACT TITLE NOT HELD	01/06/2007	31/05/2010	380,000.00	COBHAM CTS LIMITED	
NIMES/5356	CONTRACT TITLE NOT HELD	07/06/2007	05/01/2008	178,475.00	CHELTON LIMITED	
SKC/0051	PURCHASE OF SINGLE ANTENNA AND LOW PASS FILTER	21/06/2007	13/07/2007	8,105.00	CHELTON LIMITED	
HICC/0189	MAINTENANCE AND LOGISTIC SUPPORT FOR THE ARMY AGUSTA A109A/AM HELICOPTERS	24/07/2007	30/06/2009	649,000.00	F B HELSERVICES LTD	Cobham has 50% share
SKC/0052	PROVISION OF ANTENNAS AND FILTERS FOR SIMSK/0033	09/08/2007	19/10/2007	170,865.00	CHELTON LIMITED	
SKC/0054	FEASIBILITY STUDY - INTEGRATION OF MULTI-MODE RADIO WITH SEA KING MK3 AIRCRAFT HOMING SYSTEM	13/08/2007	05/10/2007	9,375.00	CHELTON LIMITED	
C/ESS8C/3565	CONTRACT TITLE NOT HELD	21/08/2007	20/08/2012	117,930.32	FLIGHT REFUELLING LTD	
C/ESS9/14626	CONTRACT TITLE NOT HELD	05/09/2007	05/10/2007	1,038.00	FLIGHT REFUELLING LTD	
AARC1A/00142	CONTRACT TITLE NOT HELD	14/09/2007	15/02/2008	13,534.50	CHELTON LIMITED	
C/ESS8C/7751	CONTRACT TITLE NOT HELD	17/09/2007	19/10/2007	426.00	FLIGHT REFUELLING LTD	
M&GS/GAMA/723	CONTRACT TITLE NOT HELD	19/09/2007	30/11/2007	3,174.00	COBHAM ADVANCED COMPOSITES LTD	
FTS1/PGZ/07	CONTRACT TITLE NOT HELD	10/10/2007	30/11/2009	181,173.00	COBHAM CTS LIMITED	
ADATS/003	CONTRACT TITLE NOT HELD	19/10/2007	11/01/2008	19,800.00	CHELTON LIMITED	
M&GS/GAMA/742	CONTRACT TITLE NOT HELD	19/11/2007	30/01/2008	3,387.00	COBHAM ADVANCED COMPOSITES LTD	
SKC/0063	PROVISIONS OF ANTENNAS AND GASKETS TO POPULATE SK4 BOWMAN MOD KITS	18/11/2007	11/04/2008	20,787.00	CHELTON LIMITED	
SKC/0064	PROVISIONS OF ANTENNAS AND GASKETS FOR MOD 1244 - SKASAC INTEGRATED AIS	09/12/2007	27/06/2008	14,305.00	CHELTON LIMITED	

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HERC/JC/00143	CONTRACT TITLE NOT HELD	20/12/2007	15/03/2009	258,875.40	CHELTON LIMITED	
BATCM/10219	CONTRACT TITLE NOT HELD	14/01/2008	14/04/2008	2,538.00	CHELTON LIMITED	
FBG/01298/02	REMOTE ANTI INTRUDER SYSTEM - SUPPLIER MICROMILL ELECTRONICS	06/02/2008	06/03/2008	15,817.00	COBHAM TCS LIMITED	
BATCM/10240	CONTRACT TITLE NOT HELD	25/02/2008	31/03/2008	575.00	CHELTON LIMITED	
NIMES/5386	CONTRACT TITLE NOT HELD	27/02/2008	31/03/2010	53,861.00	CREOWAN LTD	
SKC/0047	SEAKING HAR3 RADIO OBSOLESCENCE: PROCUREMENT OF AVIONIC EQUIPMENT	04/03/2008	30/09/2008	844,745.00	CHELTON LIMITED	
CHC/246	PDS FOR SIMS RAINMAKER	14/03/2008	31/12/2012	112,848.85	FLIGHT REFUELLING LTD	
SUVC3/90382	CONTRACT TITLE NOT HELD	02/04/2008	08/10/2008	18,094.00	COBHAM DEFENCE COMMUNICATIONS LTD	
C/GSV/1/4166	CONTRACT TITLE NOT HELD	15/04/2008	27/06/2008	7,340.00	REFUELLING LTD	
BFUC/38	CONTRACT TITLE NOT HELD	25/04/2008	28/05/2008	63.00	FLIGHT REFUELLING LTD	
BFUC/36	CONTRACT TITLE NOT HELD	06/05/2008	01/08/2008	1,627.00	FLIGHT REFUELLING LTD	
FTS/CHC/333	PROVISION OF SAFETY AUDITOR	13/05/2008	31/03/2009	48,180.00	COBHAM CTS LIMITED	
BATCM/10281	CONTRACT TITLE NOT HELD	20/05/2008	19/08/2008	2,284.00	COBHAM TCS LIMITED	
BATCM/10280	CONTRACT TITLE NOT HELD	21/05/2008	23/07/2008	1,325.00	CHELTON LIMITED	
SKC/0072	PROCUREMENT OF GASKETS	29/05/2008	30/09/2008	946.00	CHELTON LIMITED	
M&GS/GAMA/622	CONTRACT TITLE NOT HELD	06/06/2008	25/06/2008	2,850.00	COBHAM CTS LIMITED	
BATCM/10269	CONTRACT TITLE NOT HELD	24/06/2008	12/08/2008	900.00	CHELTON LIMITED	
BATCM/10206	CONTRACT TITLE NOT HELD	01/07/2008	30/06/2013	822,310.00	CHELTON LIMITED	
LYNXC/1/0125	SUPPLY OF ANTENNA AND ASSOCIATED CONDUCTIVE GASKET/CONTROL UNITS	01/08/2008	30/04/2010	503,634.00	CHELTON LIMITED	

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FTS2/ARC/0003	CONTRACT TITLE NOT HELD	26/08/2008	31/12/2008	19,258.00	COBHAM CTS LIMITED	
PGC/0012	PURCHASE OF GASKET MATERIAL	06/08/2008	30/11/2008	475.00	CHELTON LIMITED	
M&GS/GAMA/019	CONTRACT TITLE NOT HELD	10/09/2008	22/12/2008	1,695.00	COBHAM CTS LIMITED	
MCC0188	AVIATION SUPPORT TO BATSUB, BATUK AND BRUNEI	01/10/2008	30/09/2015	43,485,317.00	F B HEUSERVICES LTD	
M&GS/GAMA/012	CONTRACT TITLE NOT HELD	06/10/2008	04/12/2008	13,140.00	COBHAM ADVANCED COMPOSITES LTD	
FTS2/FM/HPLE/001	CONTRACT TITLE NOT HELD	16/10/2008	30/09/2009	80,103.00	COBHAM CTS LIMITED	
CTC/LDR/026	CENTRE FOR DEFENCE ENTERPRISE - STANDOFF DETECTION OF ROADSIDE IED	30/10/2008	1/12/2009	98,300.00	COBHAM CTS LIMITED	
MES/20163	REPAIR AND SUPPLY OF HELICOPTER RE-FUELLING EQUIPMENT	17/12/2008	31/12/2010	463,363.03	FLIGHT REFUELLING LTD	
FTS2/MGS02/08	CONTRACT TITLE NOT HELD	09/01/2009	31/03/2009	19,324.00	COBHAM CTS LIMITED	
FTS3/MGS010	EVALUATION OF AN OXYLOG 1000 VENTILATOR AGAINST THE REQUIREMENTS OF THE GENERIC SPARE VERSION 5	03/02/2009	01/10/2009	30,228.00	COBHAM CTS LIMITED	
FTS2/MGS03/08	EVALUATION AIR WORTHINESS HYPOTHERMIA BLANKETS	10/02/2009	30/04/2009	9,816.00	COBHAM CTS LIMITED	
PGC/0323	RE-CERTIFICATION AND INSPECTION OF QTY 6 ANTENNA	18/02/2009	18/04/2009	2,700.00	CHELTON LIMITED	
FTS2/HICC/0236	EMC ASSESSMENT OF FAME, PEDS & T-PEDS ONTO NSRW AIRCRAFT	01/03/2009	31/12/2009	33,305.00	COBHAM CTS LIMITED	
ADATS/69	CONTRACT TITLE NOT HELD	02/03/2009	02/05/2009	39,303.00	CHELTON LIMITED	
SKO20095	SEA KING HAR 3 HOMING SYSTEM	12/03/2009	31/03/2009	33,000.00	CHELTON LIMITED	

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LSBU2A/10043	7M1 SPARES	19/03/2009	18/09/2009	9,680.00	FLIGHT REFUELLING LTD	
FTS2/MGS02/09	TEMPERATURE ASSESSMENT & EVALUATION OF THE MRL PIC 50	23/03/2009	31/05/2009	3,045.00	COBHAM CTS LIMITED	
PGC/0330	SUPPLY OF 20 QTY ANTENNA & QTY 20 GASKETS	19/05/2009	19/08/2009	15,825.00	CHELTON LIMITED	
HICC07182	AVIATION SUPPORT TO BRITISH FORCES CYPRUS(BFC) AND SOVEREIGN BASE AREAS ADMINISTRATION(SBAA) PROJECT HINE	05/09/2009	31/03/2017	30,092,539.00	F 8 HELISERVICES LTD	
LSBU1/607	ARMoured VEHICLE SPARES	08/09/2009	09/07/2010	16,695.00	FLIGHT REFUELLING LTD	
FTS3/MGS005	EVALUATION FOR AIR WORTHINESS RECOMMENDATIONS FOR EMMA CAPNOGRAPH	22/08/2009	31/08/2009	36,185.00	COBHAM CTS LIMITED	
FTS3/MGS006	GENERIC SPAME VERSION 4 DOCUMENT REVIEW	24/08/2009	31/08/2009	19,528.00	COBHAM CTS LIMITED	
CSCOM/1033	REFURBISHMENT OF BOWMAN HF CHELTON ANTENNAS	30/06/2009	31/08/2009	14,328.00	CHELTON LIMITED	
LYNXPC/1/158	LYNX WILDCAT SIMULATED LIGHTNING STRIKE TESTING	02/07/2009	31/07/2009	13,848.00	ERA TECHNOLOGY LTD	
FTS3/MGS007	UOR NO 1489Z BLOOD WARMER CAPABILITY	22/07/2009	01/10/2009	44,039.00	COBHAM CTS LIMITED	
UKMFTS0513/ADA	AIRCRAFT DIRECT AGREEMENT	30/07/2009	31/03/2016	15,336,607.61	FR AVIATION LIMITED	
UKMFTS0513/REP	REPRESENTATION AGREEMENT	30/07/2009	31/03/2016	121,000.00	FR AVIATION LIMITED	
FTS3/MGS008	EVALUATION FOR AIR WORTHINESS RECOMMENDATIONS FOR THE PROPAQ 200 SERIES MONITORS	04/08/2009	01/10/2009	41,095.00	COBHAM CTS LIMITED	
ADATS/127	PURCHASE OF CONSUMABLES FOR ANTENNAS	12/09/2009	28/02/2010	10,316.00	CHELTON LIMITED	
SKC/0107	SURVEY AND REPAIR OF SEA KIN HARMS/SK0043 HOMING EQUIPMENT	12/09/2009	31/03/2011	95,154.00	CHELTON LIMITED	

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FTS3/CHC/391	CHINOOK HC MK2ZA - INDEPENDENT SAFETY ADVISOR	01/09/2009	31/03/2010	51,182.00	COBHAM CTS LIMITED	
BATCM/0097	MAINTENANCE OF CHELTON ANTENNAS ON NAVAL VESSELS	21/09/2009	31/03/2015	779,280.89	CHELTON LIMITED	
FTS3/CVT/0003	FUEL SYSTEMS CERTIFICATION EVIDENCE REVIEW - VC10	24/09/2009	30/09/2009	27,778.00	COBHAM CTS LIMITED	
JSENS/00076	PROVISION OF QTY 7 ANTENNA, FILTERS AND CARRY CASE FOR LINK 16 FOR LEAPP	01/10/2009	19/11/2009	39,766.00	EUROPEAN ANTENNAS LTD	
FWE/0389	FOR THE SUPPLY OF MARITIME EQUIPMENT	08/10/2009	20/03/2011	77,386.67	FLIGHT REFUELLING LTD	
FGS/0004	SUPPLY OF PARTY FIRE LOCKERS	28/10/2009	27/03/2010	25,780.00	COBHAM ADVANCED COMPOSITES LTD	
MS/00081	UOR - GROUND PENETRATING RADAR - HAND HELD	11/11/2009	31/12/2014	26,355,273.00	COBHAM CTS LIMITED	
MRAD/00007	SEADART CONTRACTS-REFURBISHMENT OF RT909 RADOMES	18/11/2009	31/03/2012	288,000.00	COBHAM ADVANCED COMPOSITES LTD	
FTS3/ADATS/142	PROVISION OF INTERFERENCE TEST SOURCE, SUPPORT ENGINEERS AND RF ANALYSIS ASSISTANCE INTO RF INTERFERENCE ON T101 ADR AT KIRTON-IN-LINDSAY	02/12/2009	31/12/2009	18,641.00	COBHAM CTS LIMITED	
ASPC1B/00004	NAVWAR TDP GNSS ANTENNA	14/12/2009	14/06/2010	64,000.00	COBHAM CTS LIMITED	
FTS3/UAS/0015	LIGHTENING VERIFICATION TESTS TO WATCHKEEPER GCS	21/12/2009	07/02/2010	33,622.00	COBHAM CTS LIMITED	
FTS3/ADATS/166	PROVISION OF FLIGHT TRIAL DIRECTIVE, FT PROGRAMME, MANAGEMENT OF SAME AND PRODUCTION REPORT ON INTERFERENCE TESTING OF T102 ADR	11/02/2010	30/04/2010	25,123.00	COBHAM CTS LIMITED	
FTS3/SKC/0119	SEA KING SEARCH & RESCUE (SAR) WALK-ON AIRWAVE RADIO (RTS)	17/02/2010	31/03/2010	60,618.00	COBHAM CTS LIMITED	

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FTS3MGS012	EVALUATION OF RENASYS EZ ACTIVE WOUND MANAGEMENT TOPICAL NEGATIVE PRESSURE DRESSING PUMPS FOR USE WITHIN MILITARY AEROMEDICAL CHAIN AIRCRAFT	05/03/2010	25/06/2010	46,977.00	COBHAM CTS LIMITED	
ADATS120	PROVISION OF THE RADAR REMOTING AND COMBINING CAPABILITY	08/03/2010	18/12/2016	6,306,092.00	FR AVIATION LIMITED	
FTS3MGS011	EVALUATION OF PROPAQ 200 SERIES MONITORS FOR USE WITHIN SEA KING AND GRIFFIN AIRCRAFT	10/03/2010	30/04/2010	17,295.00	COBHAM CTS LIMITED	
SKC0118	BLUE SKY ASSET TRACKER MODIFICATION DOCUMENT SET	22/03/2010	30/06/2010	33,406.00	FR AVIATION LIMITED	
PTG/01400/02	URBAN SURVEILLANCE INITIATIVE (USI) OPERATIONAL CONCEPT DEMONSTRATOR (OCD)					
LXCOMM/0040	- PROCUREMENT OF A PORTABLE BASE PROTECTION SUITE SUPPLY OF SPARES FOR LYNX MK9A HELICOPTER UOR A10455	23/03/2010	30/06/2010	461,186.00	COBHAM TCS LIMITED	
ADATS/145	PROVISION OF CONTRACTOR LOGISTICS SUPPORT FOR THE WATCHMAN RADAR VIEWING UNITS (RVU) SYSTEMS (INCLUDING THE RDS1800 UPGRADE PROGRAM)	30/03/2010	25/07/2011	251,769.00	CHELTON LIMITED	
ADATS/146	PROVISION OF CONTRACTOR LOGISTIC SUPPORT FOR THE AIRFIELD RADAR INTEGRATION PROJECT (ARIP)	01/04/2010	31/03/2015	7,092,684.00	FR AVIATION LIMITED	
SKC/0131	PROCUREMENT OF ANTENNAS	24/05/2010	09/10/2010	27,070.00	CHELTON LIMITED	
ADATS/204	PURCHASE OF SPARES FOR LPH73 ANTENNAS	23/06/2010	31/12/2010	45,269.48	CHELTON LIMITED	
FTS3MGS017	PROPAQ EVALUATION	03/08/2010	10/09/2010	22,730.00	COBHAM CTS LIMITED	

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FTS3PUMAHC2005	PUMA HC2 ASSESSMENT	18/08/2010	04/10/2010	65,000.00	COBHAM CTS LIMITED	
LSBU1/1895	SCHEDULE OF REQUIREMENTS FOR 'A' VEHICLES ARMoured SPARES	24/08/2010	31/12/2010	1,084.00	CHELTON LIMITED	
FTS3/SEN/1454	SAFETY ANALYSIS SENTRY	22/09/2010	31/03/2011	193,508.00	COBHAM CTS LIMITED	
ADATS/223	PURCHASE OF MONOPOLE ANTENNAS	19/10/2010	31/01/2011	51,784.00	CHELTON LIMITED	
MERCL/1305	DESIGN, MANUFACTURE AND DELIVERY OF MERLIN SERVICE MODIFICATIONS	24/11/2010	31/07/2013	318,244.50	FR AVIATION LIMITED	
SKC/0173	GASKET PROCUREMENT	01/12/2010	31/01/2011	290.00	CHELTON LIMITED	
SHORAD/0059	PROVISION OF SUPPORT ACTIVITIES FOR THE CAMM TDP AIR CARRIER TRIALS (2)	24/12/2010	30/03/2011	78,753.00	FR AVIATION LIMITED	
TRGACC/1051	RECOVERY FROM STORAGE OF HAWK TMKI AIRCRAFT AND CONVERSION TO RAFAT ROLE	08/04/2011	31/10/2015	2,284,474.00	F B HELISERVICES LTD	Cobham has 50% share
P2G/0406	DEVELOPMENT OF SERVICE MODIFICATIONS FOR PUMA HC2	22/07/2011	31/12/2012	54,258.00	FR AVIATION LIMITED	

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ADATS/196	FLIGHT CHEC SUSTAINMENT SERVICES	05/09/2011	18/10/2017	17,321,716.00	COBHAM FLIGHT INSPECTION LIMITED	
CH/FHL/00111	00111 - MK3 FUEL TANK TROLLEYS	10/08/2011	30/08/2012	304,844.00	FR AVIATION LIMITED	
MS/00152	REPAIR OF HORN DETECTORS	19/09/2011	31/12/2014	911,000.00	COBHAM CTS LIMITED	
FAST/00011	PROCURE FIRED INDICATOR BLANKS FOR ANDERU & ALDERU	22/12/2011	01/05/2012	60,250.00	FLIGHT REFUELLING LTD	
ACT/01418	PROVISION OF INTERIM ROTARY WING AT FLYING TRAINING AND SUPPORT SERVICES RAF SHAWBURY AND ARMY AVIATION CENTRE MIDDLE WALLOP	02/03/2012	31/03/2016	200,704,322.56	F B HELISERVICES LTD	Cobham has 50% share
TORSPT2/5043	SUPPLY OF ANTENNA & MATCHING UNIT FOR CAGNET	03/04/2012	03/04/2013	65,190.00	CHELTON LIMITED	
SKC/0193	REPAIR AND OVERHAUL OF SEAKING HAR 3 HOMING EQUIPMENT	24/05/2012	31/03/2016	166,395.00	CHELTON LIMITED	
P2G/0414	PROCUREMENT OF 15 RECEIVE ANTENNA AND 10 CONDUCTIVE GASKETS	29/06/2012	30/11/2012	38,650.00	CHELTON LIMITED	
ADATS/289	REPAIR OF ROTATING JOINTS	01/10/2012	30/08/2015	325,000.00	CREDOWAN LTD	
MS/00205	ANTIFLUX (LMD)	02/10/2012	31/12/2017	16,421,805.98	COBHAM CTS LIMITED	

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LSBJ2/0078	PROJECT HORN - THE SUPPLY OF HORN SPARES	08/10/2012	31/10/2014	269,333.00	COBHAM GTS LIMITED	
P2G/0415	PROVISION OF F100A (CERTIFICATE OF DESIGN) IAW MRP HAS103 FOR GAZELLE COTS ANTENNA	13/11/2012	31/03/2013	53,500.00	CHELTON LIMITED	
P2G/0423	THE SUPPLY OF ANTENNA 21-88P4 AND THE PROVISION OF F100A CERTIFICATE OF DESIGN	23/01/2013	31/12/2013	55,342.00	CHELTON LIMITED	
FP/10069	SUPPLY OF ANTENNA SUPPORTS	17/05/2013	12/07/2013	5,063.00	COBHAM TCS LIMITED	
STFC/HCC/M/071	COBHAM AD-HOC SUPPORT	08/09/2013	31/03/2015	985,448.00	FR AVIATION LIMITED	
LXCOMM/0141	PROCUREMENT OF TETRA TRANSMITTER, ACCESSORIES, MODIFICATION AND AD-HOC REPAIR	11/10/2013	31/03/2016	312,540.00	CHELTON LIMITED	
HIP/12A/00001	RAF TRISTAR MARK 32-171 HOSE DRUM JN11 SUPPORT	09/01/2014	31/03/2014	129,358.00	FLIGHT REFUELLING LTD	
CH/PHI/00124	TRIPHI/00124 - PROVISION OF ROWMAN GFA	14/03/2014	31/03/2014	227,540.00	CHELTON LIMITED	
ADATS/427	PROVISION OF ARIP TECH REFRESH PROGRAMME - PHASE 2	23/07/2014	31/01/2016	2,111,126.00	FR AVIATION LIMITED	

EXHIBIT AC1/15

Report from the Scottish Prison Service on Mobile Phone Signal Intervention, 1 September 2015.



Scottish Prison Service

**Mobile Phone Signal
Intervention
OFFICIAL - SENSITIVE**

SCOTTISH PRISON SERVICE

Mobile Phone Signal Intervention

End Project Report

REDACTED FOR RELEASE

Version 0.5
1 September 2015

Produced by:
XXXXXXXXXXXXX
Project Manager
Scottish Prison Service
Calton House
5 Redheughs Rigg
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EH12 9HW

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Document Responsibility

Name	Function	Organisation
XXXXXXXXXXXXXXXXXX	Author	Operations Directorate

Change History

Version	Date	Comments
0.1	15 April 2014	First draft
0.2	3 March 2015	Updated to reflect project outcomes
0.3	24 July 2015	Further update to reflect outcomes
0.4	30 July 2015	Project team feedback updates
0.5	1 September 2015	REDACTED FOR FOI RELEASE

Each version of this document is always reissued in its entirety.

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Distribution may be made to others on request

1 INTRODUCTION

1.1 Purpose

The report is the Project Manager's report to the Project Board (which may pass it on to corporate or programme board) on how well the project has performed against its Project Initiation Document, including the original planned cost, schedule and tolerances, the revised Business Case and final version of the Project Plan.

2 ACHEIVEMENTS

2.1 Achievements of the Projects Objectives

Delivery of Mobile Phone Signal Intervention Capability at two pilot establishments. This will involve:

- Identification of 'pilot sites' – **ACHIEVED** – The chosen pilot sites of HMP Shotts & HMP Glenochil achieved the expected outcomes in terms of volume of SOCG offenders affected and historical handset recovery rates.
- Assessment of operation at pilot sites to establish the effectiveness of the installation at thwarting the attempts of those involved in serious organised crime to continue to conduct criminal activity from within prison through the use of illegally held mobile phones – **ACHIEVED** - The chosen pilot sites of HMP Shotts & HMP Glenochil achieved the expected outcomes of both technological best fit and tackling offenders directly involved in serious organised crime.
- Scoping the market –both UK and Europe – to identify the range of systems in the marketplace that can effectively block 2G & 3G mobile phone transmissions – **ACHIEVED** – The tender process identified a number of potential solutions and suppliers.
- Identify whether fixed or portable systems (or combination/hybrid thereof) best meets the operating environment of the SPS. – **ACHIEVED** – The tender evaluation process identified a high level of competent solutions all of which were fixed solutions.
- To install the preferred option(s) at the preferred sites within the current financial year. – **ACHIEVED** – The systems went 'Live' as planned within the current financial year 2013/2014.

Create or amend business processes to support the use of intervention equipment.- **ACHIEVED** – Standard Operating Procedures (SOPs) detail the safe operation of the installed solutions.

3 PERFORMANCE

3.1 Performance against the Planned Target Time and Cost

- Ref: Extract of PID Objectives - *SPS has undertaken to pilot this technology in two prisons within the financial year 2013/2014 – ACHIEVED*
- Approved Budget **£1,300,000** ex VAT – Actual spend **£1,210,176** - **ACHIEVED**

4 APPROVED PROJECT CHANGES

- Proceed with project on 2G & 3G technologies only (No 4G) – This had a significant impact to ensure the project still provided an effective solution. Options papers were produced to inform the decision making process. The option to deploy a site wide [REDACTED] solution and a tactical deployment of [REDACTED] technology was approved following some detailed consideration. The overall benefit was a greater assurance of effectiveness within the restrictions of 2G & 3G technologies.
- Change location of pilot site 1 from HMP Edinburgh to HMP Glenochil – Although a significant change it was completed seamlessly with no requirement to amend the contract conditions for the preferred supplier. The overall benefit was a greater assurance of coverage of the system and less risk of leakage which was identified as a high risk at HMP Edinburgh.

4.1 Effects on the Original Project Plan

The main effect of not getting 4G coverage was to restrict the deployment of available solutions in rural settings only

4.2 Effects on Business case

The lack of 4G coverage and the signal strengths at HMP Edinburgh precluded the establishment from being involved in the pilot scheme.

5 STATISTICS

- 5.1 **Final Statistics on Change Issues Received during the Project** – The project timescales and costs were not impacted by the changes
- 5.2 **Quality Statistics for all Work Carried Out** – The project timescales and costs were not impacted by the changes. See post project overview for pilot phase statistics.

6 IMPACTS

- 6.1 **Total Impact of Approved Changes** - The project timescales and costs were not impacted by the changes

7 POST PROJECT REVIEW

7.1 Post Project OVERVIEW - Review Date and Plan

Post Project Review date and Plan

Review Date	31 st January 2015
Review Plan	31 st January 2015

A number of emerging issues have impacted on the effectiveness of the pilots.

Current & Developing Technologies

The current installed systems are limited to providing signal denial in the 2G and 3G technologies. At the start of the pilot phase these were the only technologies present in the local areas. Although 4G is now operating in the areas local to both pilot sites there is no 4G signal available yet inside the residential halls. Both systems have the facility to be upgraded to include the latest 4G LTE technology.

OFCOM have also liberalised all the existing mobile phone frequencies across the 2G, 3G and 4G technologies which means the network operators can transmit any of the 3 existing technologies on all of the frequency spectrums they own and operate. In addition OFCOM has announced the auction later this year of a further range of frequency spectrums adjacent to the existing mobile phone frequencies to provide further coverage and capacity for both 4G and 5G technologies.

Mobile Phone technologies are fast moving and are in a continuous state of flux due to the evolving nature and the ever increasing demands for connectivity and communication. We now see changes occurring on a much faster and complex scale than might have been previously anticipated. The speed to market for new product development has changed from years to months with technology now software upgradeable. The existing system has been re-tuned a number of times to keep pace with these rapid changes and should continue to be monitored during the remainder of the 5 year programme.

Changes in prisoner behaviours

When the systems were initially installed the prisoner population attempted to make calls and send text messages at all periods of the day and night. [REDACTED]

As time progressed the pattern of use changed to periods when staff are busy with tasks other than monitoring prisoners in cells i.e. Shift handover, staffing exercise yards, lock up periods and breaks. The peak period of use is currently lunchtime, evening staff breaks and the first 3 hours of the nightshift.

Changes in handsets being introduced into prisons

Prior to the systems being installed, intelligence provided that small, cheap handsets were the preferred choice of the prisoner population. 'Key Fob' and 'Wrist Watch' devices were seen as the key threat as they were easily introduced due to their size, limited metal content which evaded metal detection and easy to secrete in body cavities. They can also be broken down into component parts for hiding. [REDACTED]

With the trend towards expensive 'high end' smart phones comes a perceived increased risk of discovery and therefore the cost to introduce such devices is proportionate to this risk. [REDACTED]

[REDACTED] As many prisoners don't have access to one [REDACTED], the business of renting out these handsets to a number of prisoners appears to be increasing. This leads to debt and bullying amongst prisoner groups.

Another factor in this change in phone trends forced by the [REDACTED] system is that the expensive 'high end' devices are less durable in surviving the impact of being thrown over a fence and therefore the method of introduction may shift towards people who access the prison [REDACTED]

Prisoner Countermeasures

Prisoners have developed innovative counter measures to current arrangements.

[REDACTED]

[REDACTED] This slight advantage is enough in certain circumstances, for the handset to bypass the SPS signal and connect to the public network. The countermeasure has been tested at the other pilot site HMP Glenochil and found to be effective there too. A recent re-tune and re-test of the systems at Shotts & Glenochil has proven to defeat this countermeasure however the systems are now operating at their peak performance whilst maintaining the integrity of the signals within the prison perimeter [REDACTED]

[REDACTED]

Mobile phone detection and recovery statistics

282 mobile phone handsets were recovered during 2014 across the prison estate. This is less than the 2013 figure of 352 handsets. This reflects a steady decline from the peak figure of 1417 in 2010 and is more reflective of find rates prior to the introduction of hand held mobile detectors. Some of this decline is due to the increased introduction of smart phones which operate on the 3g technology. These 3g smart phones transmit on very low power levels and so are more difficult to accurately detect and locate. Where previously the vast majority of handsets recovered in 2010 were 2g technology only, these devices are more easily detected and located. To combat this apparent weakness in our current detection rates we are have replaced our stock of ageing hand held mobile phone detectors across the entire estate with state of the art hand held detectors that are more sensitive to detecting not only 3g but also now 4g signals. [REDACTED]

[REDACTED]

Banning mobile phones and sim cards from the networks

Work is progressing at a pace to amend the regulations made under SECTION 80 OF UK SERIOUS CRIME ACT 2015 currently going through UK parliament which will include the provision for banning handsets. Early indications suggest an implementation date of spring 2016.

[REDACTED]

NOMS/MOJ current strategy

[REDACTED]

7.2 Measures of Success agreed in PID

- An assessed reduction in the number of mobile phones in the 2 prisons (supported by intelligence and on-going deployment of the detection equipment) **NOT ACHIEVED** – The emergence of a successful countermeasure and the arrival of 4G technology to the areas around HMP Shotts resulted in a higher number of more sophisticated phones being introduced into the prison and those present at the start of the project not being disposed of due to their prison based value.
- A reduction in the number of Facebook pages clearly being maintained from within the 2 prisons **ACHIEVED FOR HMP SHOTTS** [REDACTED] Unable to assess the impact for HMP Glenochil due to limited operation of the system during the pilot period.
- A reduction in the number of callers external to the prison reporting that a prisoner had contacted them from a mobile phone. **NOT EVIDENCED** This measure did not have supporting evidence of data before the pilot however there were NO recorded callers during the pilot phase.
- No reports of service denial from prison “neighbours” at the pilot sites (illustrating that the technology was being successfully confined to the prisons and not spilling out to public areas) **ACHIEVED** Neighbours contacted for feedback on at least 2 occasions during the pilot phase.

- During the installation phase in particular, the ability to maintain “business as usual” and to avoid an increase in the number of incidents or episodes of unrest attributable to the decision to install Signal Denial equipment. **ACHIEVED**

7.3 Strategy outcomes to inform future Projects

7.3.1 A number of factors continue to influence our thinking and it is clear that any SPS strategy should be flexible enough to track and respond to rapid changes in both the technologies and the responses of our prisoner population. It must also reflect the level of threat posed by access to the internet and social media for the purposes of serious organised criminal activity.



7.3.3 To keep pace with changes in the technologies of 3g, 4g and eventually 5g will be complex and expensive if we continue to invest in fixed solutions. The liberalisation of mobile communication frequencies and the opening up of new spectrums are all driven by the need to provide mobile network operator customers with better coverage, connectivity and capacity. This of course conflicts with our objectives within the prison setting. Further rollout to other establishments is therefore not recommended without the thorough consideration of benefits and the significant investment.

In addition, the technology developments are wholly geared towards liberalization and expansion; not denial of service which is a significant inhibitor to further investment

7.3.4 The SPS may benefit from having an effective ‘sterile’ communication free prison where we can house those seen as a direct threat to public order and safety either through serious organised crime or terrorist activity. HMP Shotts could potentially suit this model and therefore we may wish to continue to support the current investment there to achieve this. HMP Shotts is also capable of upgrading to 4g coverage and we may wish to consider options to achieve this.

7.3.5 The “blocking” solution installed in HMP Glenochil is also capable of upgrading to include 4g and 5g. The system is only currently deployed on one wing of 64 cells. The limited effectiveness found during the pilot phase due to design limitations of the system and resilience issues during the pilot phase combined with the lack of intelligence provided by the system suggests that we will require a further period of assessment before consideration may be given to extending coverage to the whole hall. This would provide the SPS with a secondary

'sterile' communication free location. Further rollout to other establishments is not recommended at this time.

[REDACTED]

[REDACTED]

7.3.8 SPS will carry out a review of our current front of house security arrangements in light of the intelligence picture provided at HMP Shotts. A major factor in this change in phone trends forced by the [REDACTED] system is that the expensive 'high end' devices being introduced are less durable in surviving the impact of being thrown over a fence and therefore the method of introduction may shift towards people who access the prison [REDACTED]

7.4 Strategy Summary agreed with the SPS Executive Group and Board Members

- Continue with the current pilots at HMP Shotts and Glenochil. On-going maintenance and support for both sites and consideration of 4G and 5G upgrades during the planned 5 year timescale subject to evaluation and affordability.
- Subject to evidencing resilience of the installed system at HMP Glenochil assess the benefits of expansion of the deployment to provide signal denial coverage to the whole hall (4 flats with 250 cells) and subject to evaluation and affordability.

[REDACTED]

- Progress the processes required to support the proposed legislation to ban handsets from the Mobile Phone Networks.

- Take steps to improve detection and recovery strategies for hand held mobile phone detection and detection dogs.

7.5 Conclusion

The Project team would ask the Programme Board to note this end of project report and consider the creation of a separate PID to manage the next phase of permanently Banning Mobile Phones from the Mobile Phone Networks and to develop strategies for improved detection and recovery rates of mobile communication devices.

EXHIBIT AC1/16

Scottish Prison Service Response to a Freedom of Information Request, April 2016.

26 April 2016

Dear [REDACTED],

FREEDOM OF INFORMATION REQUEST

Thank you for your recent freedom of information request, which was received on 1 April 2016. This gives a statutory deadline for responding of 29 April 2016 under the terms of the Freedom of Information (Scotland) Act 2002.

You asked the following, and for ease of reference I have copied your original questions as follows.

1. Does the Scottish Prison Service own, or have access to, any virtual base transceiver station for identifying the International Mobile Subscriber Identity (IMSI) or a nearby GSM mobile phone and intercepting its calls? These devices are sometimes also known as IMSI catchers, or Stingrays
2. If the Scottish Prison Service does have access to these devices, how many does the Scottish Prison Service currently have access to? How much has been spent by the Scottish Prison Service on the purchase and maintenance of such devices in the last 24 months?
3. If the Scottish Prison Service does have access to these devices, please confirm the make and model number of the devices that are currently available for use.
4. If the Scottish Prison Service does have access to these devices, please confirm how many times the devices have been deployed in the last 24 months
5. If the Scottish Prison Service does have access to these devices, please provide a break-down of the types of operation they have been used to support in the last 24 months.
6. Please supply any internal policy or procedure documents that the Scottish Prison Service would apply to the deployment of these devices, even if none are currently available for use.

In response to **Questions 1, 2, 4 & 5**; having completed our search of all electronic and paper records held by the SPS I can confirm the following

1. The SPS own one fixed system permanently deployed 24/7 in one of our prisons. The sole purpose is to deny access to the public networks any handset operating within its range of coverage.
2. The SPS has not made any new purchases of devices within the last 24 months however has spent £32,827 ex VAT on maintenance and support for an existing system

In response to **Question 3 & 6**; we do endeavour to provide information whenever possible. However, in this instance an exemption under section s.35 (1)(f) of FOISA applies to the information requested. - The maintenance of security and good order in prisons. As this exemption is not absolute we have applied the 'public interest test'. This means we have, in all the circumstances of this case, considered if the public interest in disclosing the information outweighs the public interest in applying the exemption. It should be noted that the test considers what is in the public interest not what is of interest to the public. Arguments in favour of disclosure are that public are aware of the exact specification of the equipment deployed, how it is deployed and, how it operates. However, it can also be argued that disclosure of such information could provide following research, details of the limitations of such installations & technology and the potential to deploy countermeasures to overcome the signal denial transmissions. This would represent a considerable risk to individuals and the security and good order of prisons which would not serve the public interest. Following careful consideration the authority considers that, on balance, the public interest lies in favour of applying the exemption and refusing disclosure. We can however direct you to the overall legislation governing the use and deployment of such devices in the United Kingdom, in the Prisons (Interference with Wireless Telegraphy) Bill October 2012. For completeness, we enclose a copy for your information.

We are sorry that our responses are in PDF form however this is the format we use in all our FOI communications. If you are dissatisfied with this response, you have the right to request a review. Your request should be made within 40 working days of the date of receipt of this letter and we will reply within 20 working days of receiving your request. Under section 20(3)(c)(ii) of the Act your request should outline your reason for seeking a review. If our decision is unchanged following a review and you remain unsatisfied with this, you then have the right to make a formal complaint to the Scottish Information Commissioner.

If you require a review of our decision to be carried out, please write to Colin McConnell, Chief Executive, Scottish Prison Service, Calton House, Redheughs Rigg, Edinburgh EH12 9HW. The review will be undertaken by staff not involved in the original decision making process.

I trust this information is helpful.

Yours sincerely



Maurice Dickie
Project Manager

EXHIBIT AC1/17

Scottish Prison Service Response to a Freedom of Information Request, May 2016.

Ref HQ 16022

23 May 2016

Dear [REDACTED]

FREEDOM OF INFORMATION REQUEST

Thank you for your recent freedom of information request, which was received on 27 April 2016. This gives a statutory deadline for responding of 26 May 2016 under the terms of the Freedom of Information (Scotland) Act 2002.

You asked the following, and for ease of reference I have copied your original questions as follows.

1. Please could you confirm what data is collected and recorded by the device when it blocks / intercepts a mobile phone signal?
2. Please could you confirm the total number of mobile phone numbers that have been blocked / intercepted by the system since it was installed, or if this is unavailable, the period for which records are available?
3. Please could you confirm whether the influence of the device is contained within the perimeter of the prison, and whether any tests have been conducted outside the perimeter to establish whether members of the public outside the prison grounds could be affected? Please supply recorded documentation that relates to these tests.
4. Please can you confirm whether prisoners, visitors, prison staff and suppliers are warned that a mobile phone blocking device is in operation on the site? If so, how?
5. Could you confirm whether the system is capable of discerning between prisoners, visitors, prison staff and suppliers? If so, how many 'non prisoner' mobiles phones have been intercepted / blocked by the device.
6. Please could you supply the data retention policy applied to the information collected by the device?
7. Has a privacy impact assessment been conducted in relation to the use of this device?
8. How many illegal/ prisoner mobile phones has the device helped to identify and track down? Have any prosecutions resulted as a direct consequence of the use of this device?

UNLOCKING POTENTIAL - TRANSFORMING LIVES

9. Which prison is the device installed in

10. Has any evaluation been undertaken as to the impact of the device? If so supply this documentation.

In response to **Requests for Information 1 & 2**; having completed our search of all electronic and paper records held by the SPS I can confirm the following

1. Only IMEI & IMSI numbers are recorded with a date and time stamp.
2. This information is not held. There are no records held for mobile phone numbers because the scope of the design and installation of the device did not specify this as a requirement.

In response to **Request for Information (RFI) 3**; we can confirm that the influence of the device is managed in accordance with the Memorandum of Understanding (MoU) agreed between the SPS, OFCOM and the Mobile Network operators. We can also confirm that comprehensive and independent tests have been carried out annually by the Home Office to evidence compliance with the MoU and the ACT. You will note that we have already provided a copy of this Act in response to your previous FOI request (our reference HQ16002 dated 26 April 2016)

The reports completed by the Home Office are considered exempt under section s.35 (1)(f) of FOISA . This relates to the recorded documentation. As this exemption is not absolute we have applied the 'public interest test'. This means we have, in all the circumstances of this case, considered if the public interest in disclosing the information outweighs the public interest in applying the exemption. It should be noted that the test considers what is in the public interest not what is of interest to the public. Arguments in favour of disclosure are that public are aware of the details of the tests carried out and the results achieved as evidence of compliance to the Prisons (Interference with Wireless Telegraphy) Bill October 2012. However, it can also be argued that disclosure of such information could provide following research, details of the limitations of such installations & technology and the potential to deploy countermeasures to overcome the signal denial transmissions. This would represent a considerable risk to individuals and the security and good order of prisons which would not serve the public interest. In addition the acceptance of compliance by the Office of Communications (OFCOM) should provide the public with sufficient reassurance of such compliance. Following careful consideration the authority considers that, on balance, the public interest lies in favour of applying the exemption and refusing disclosure.

In response to **RFI 4**; we can confirm that prisoners and prison staff are fully aware through notices provided at the time of installation of the operation of the device. The system was also publically launched at a media event by the then Cabinet Secretary for Justice. We can further confirm that the influence of the device does not include public accessible areas of the prison including staff facilities and, in addition, there is no requirement to inform visitors and suppliers within the area of influence of the device as the introduction and use of mobile phones within all Scottish Prisons is illegal and, notices are published throughout the prisons to warn of this. For clarity, the law also applies to SPS staff.

In response to **RFI 5**; The SPS does not hold this information. For clarity, we can confirm that there is no requirement for the system to discern the source. As stated in the response to Q4, the introduction and use of mobile phones within all Scottish prisons is illegal.

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In response to **RFI 6**; The SPS does not hold this information. For clarity, we can confirm that there is no retention policy specific to the information collected by the device. In practise we purge all the data on a monthly basis which is greater than that specified in the Prisons (Interference with Wireless Telegraphy) Act 2012.

In response to **RFI 7**; The SPS does not hold this information. For clarity, we can confirm there is no requirement for a privacy impact assessment to be conducted in relation to the use of this device given the legislative powers to interfere with wireless telegraphy within the prison perimeter. In addition no privacy impact assessment was assessed as necessary for the Act. Please see more information here:

<http://www.publications.parliament.uk/pa/bills/cbill/2012-2013/0015/en/13015en.htm>

In response to **RFI 8**; The SPS does not hold this information, this is because the system is not designed to track down and aid the recovery of mobile phones and therefore we cannot attribute any prosecutions resulting as a direct consequence of the use of this device.

In response to **RFI 9**; we can confirm that the device is installed in HMP Shotts, North Lanarkshire.

In response to **RFI 10**, we do endeavour to provide information whenever possible however in this instance an exemption under section s.35 (1)(f) of FOISA applies to some of the information requested - The maintenance of security and good order in prisons. This relates to some of the content of the documentation on the evaluation of the impact of the device. As this exemption is not absolute we have applied the 'public interest test'. This means we have, in all the circumstances of this case, considered if the public interest in disclosing the information outweighs the public interest in applying the exemption. Arguments in favour of disclosure are that public are aware of all the details of evaluations carried out. However, it can also be argued that disclosure of such information could provide following research, details of the limitations of such installations & technology and the potential to deploy countermeasures to overcome the signal denial transmissions. This would represent a considerable risk to individuals and the security and good order of prisons which would not serve the public interest. Following careful consideration the authority considers that, on balance, the public interest lies in favour of applying the exemption. We do however enclose a redacted copy of the End of Project report from pilots carried out to trial Mobile Phone Signal Intervention technology.

We are sorry that our responses are in PDF form however this is the format we use in all our FOI communications. If you are dissatisfied with this response, you have the right to request a review. Your request should be made within 40 working days of the date of receipt of this letter and we will reply within 20 working days of receiving your request. Under section 20(3)(c)(ii) of the Act your request should outline your reason for seeking a review. If our decision is unchanged following a review and you remain unsatisfied with this, you then have the right to make a formal complaint to the Scottish Information Commissioner.

If you require a review of our decision to be carried out, please write to Colin McConnell, Chief Executive, Scottish Prison Service, Calton House, Redheughs

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Rigg, Edinburgh EH12 9HW. The review will be undertaken by staff not involved in the original decision making process.

I trust this information is helpful.

Yours sincerely

Lyndsey Talbot
Corporate Communications Manager
Scottish Prison Service

UNLOCKING POTENTIAL - TRANSFORMING LIVES

EXHIBIT AC1/18

Extract from a contract between the Scottish Prison Service and an IMSI catcher vendor, May 2017.



CONTRACT

Between

THE SCOTTISH MINISTERS

And

COBHAM TCS LIMITED

For the Provision

MOBILE PHONE DENIAL TECHNOLOGY (GRABBING) PILOT –

HM PRISON SHOTTS

CONTRACT NUMBER: 01185A

Confidential:

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THE SCOTTISH MINISTERS

PROVISION OF

**MOBILE PHONE DENIAL TECHNOLOGY (GRABBING)
PILOT – HM PRISON SHOTTS**

SCHEDULE B

SPECIFICATION

CONTRACT NUMBER 01185A

Part 1 of Schedule B - SPECIFICATION

BACKGROUND

The Scottish Prison Service (SPS) is an Agency of the Scottish Government Justice Department, with a Headquarters based in Edinburgh. The SPS currently operates 16 prison Sites throughout Scotland, and currently manages a daily population of approximately 8,000 prisoners.

The SPS is planning the implementation of the provisions of The Prisons (interference with Wireless Telegraphy) Act 2012 in Scotland, by deploying mobile phone denial technology – the System – in 2 pilot sites within the current financial year 2013/2014.

The 'grabbing' System shall be installed and operational, at HM Prison Shotts, by 14th March 2014.

1. PILOT SITE 2 - OVERVIEW

The Prison is of modern modular concrete and steel cell design with individual enclosed wings on 4 levels over 2 house blocks; there is also a separation facility.

The 'System' must provide coverage to these 3 buildings and the cells and areas therein:

- There are 540 cells in total (270 each house block) all with service ducts serving 2 adjacent cells. The cell windows do not open but fresh air is provided through meshed grills in the window frames. There is also a large ventilated window at either end of the 'L' shaped wings. There are also additional prisoner activity areas within the centre area of the wing.
- There are 14 cells in the separation facility, which is adjacent to the 2 large house blocks.

2. THE SYSTEM

2.1 Geographical Coverage

The Supplier shall ensure that the System:

- fully covers the 2 large houseblocks and the separation facility, including the areas within these buildings.
- covers at least 2 metres in all directions from any cell window, within the 2 houseblocks and the separation facility.

2.2 Functional Requirements

The Supplier shall ensure that the System:

- shall be inaccessible to all prisoners.
- provides 24/7 continuous signal denial.
- has signal spectrums including 2G & 3G frequency ranges 900MHz, 1800MHz & 2100MHz GSM & UMTS; the System must operate across all frequencies simultaneously (Part 2 of this Schedule 'B' refers).
 - Signal spectrums NOT covered include 4G LTE 800MHz, 2600MHz and also 4G LTE in the conventional 2G & 3G spectrums listed above.
- must 'grab' on all frequencies but not combining with 'blocking' of 3G signals.
- operates simultaneously on all GSM and UMTS networks, which can be expanded or modified to meet changes in the prison estate at the site, e.g. any structural changes.

- allows authorised mobile phone use within the prison during emergencies.
- can be easily disabled and restarted by the Purchaser.
- will not deny access to the mobile networks of any device outside the prison perimeter wall/fence.
- has the ability to be adjusted to reflect changes by the Mobile Network Operators, including but not limited to, installation of new masts, changes to the spectrum/bands, installation of a new antenna, relocation of an antenna, changes in power outputs from the neighbouring base station and changes to network parameters such as cell ID or LAC codes and re-configuration of signals within the capabilities of the equipment supplied and that achieves Go-Live Date.
- is adjusted to reflect changes in the mobile networks.
- must ensure signal denial during network signal fluctuations and must not allow leakage beyond the prison perimeter when dynamically adjusted signal power output is used.
- Must not interfere with authorised prison communications, e.g. staff radios, staff alarms, etc.
- Is as automated as can reasonably be expected.
- Is powered via 50/60Hz AC 110 to 220V mains connection. The power connections, operation and functionality of any part of the system must not be affected by any electrical interference.
- Functions with 13 amp power supply requirements (to be provided by SPS).
- must comply with all relevant health & safety requirements to ensure that it is safe for staff, visitors, and prisoners. This includes the European directives and International (ICNIRP) standards for human exposure to EM-fields, the safety requirements for information technology and radio transmitting equipment, and the Health and Safety at Work Act 1974.
- must fully comply with the Memorandum of Understanding (MoU) technical annexes, which are provided in Part 3 of this Schedule B.

2.3 Outputs

The Supplier shall ensure that the System:

- provides in excess of 95% coverage in any cells.
- Provides in excess of 90% coverage in communal areas within the houseblocks, and separation facility and 2Metres external to the 3 buildings.
- Has the capacity to allow, a minimum, of 50 active mobile phones operating simultaneously with the Site, to be denied access to the networks.
- gives an automatic alarm if it is inoperable for any reason.
- records all communication that has been 'denied' and can produce management reports (ad hoc and standard), based on the elements immediately below;
- when denying a communication, provides and records at least the following key data:
 - date and time of connection;
 - IMEI & IMSI numbers;
 - Frequency of signal detected;
 - the network operator frequency used; and.
 - Location (where possible)
- has an access / control mechanism that allows it operated on site and remotely.
- has the ability to record the content of any communication (voice, text or data) that has been intercepted - this function must be disabled.
- has a centralised data collection point within the Site (location to be confirmed), that records and retains the data, via a linked network (cable or wireless).
- has appropriate security controls and protocols, to ensure access is only permitted by the Purchaser's authorised staff only.

3. FAULT FIXING

3.1 The Supplier shall ensure that they respond to all faults within 24 hours or the next working day (Monday – Friday), whichever is the greater.

3.2 Thereafter, the Supplier fix the reported within 24 hours of acknowledging the fault.

3.3. The Supplier guarantees that all faults shall be fixed within a maximum of 2 working days from the date they are reported to the Supplier.

3.4 Should it be unlikely that the Supplier shall complete any non-critical faults within the period specified in 3.3, the Supplier may approach the Purchaser for an extension to time, which they can accept or reject.

3.5 The Contract anticipates that nearly all fault fixes shall be executed remotely by the Supplier.

4. SOFTWARE UPDATES, NEW RELEASES & RETUNING

4.1 The Supplier shall provide Software updates or upgrades, such as any new releases or versions of Software or firmware releases or fault fixes, and equipment repair or replacement will be provided as part of the support contract (i.e. the Purchaser will not pay on a per release or repair basis). The Supplier shall ensure that:

- Any Software or firmware updates, upgrades, new releases or versions proposed for use within the System following the Go Live date have been subject to appropriate testing by the Supplier; and
- The Supplier obtains the Purchasers prior agreement before enacting Software changes to the System.

4.2 At the request of the Purchaser, the Supplier shall undertake a retuning of the System for any notification to a change in the local network that has a direct impact on the System performance and safeguards. (It is expected that any retuning shall be undertaken remotely by the Supplier.)

5. DURABILITY & WARRANTY

5.1 The Supplier shall ensure that the System shall successfully function for greater than 5 years from the Go Live date, in accordance Section 2 “The System”.

5.2 The Supplier shall ensure that the System is fully covered by the manufacturer’s warranty (labour and spare parts) for at least a minimum period of 5 years from the Go Live date.

6. PROJECT MANAGER

6.1 The Supplier shall:

- Provide a Project Manager (who shall be considered as ‘Key Personnel’) to take overall responsibility for the work, all installations, any other associated works executed by the Supplier or any sub-contractor of the Supplier for the project;
- Ensure that the Supplier’s Project Manager has the necessary authority and support to ensure that all work executed by the Supplier and any sub-contractor(s) complies with the required Specification and is completed in accordance with the Implementation Plan;
- Ensure that the Project Manager or his representative will attend progress meetings during the implementation period (detailed in the Implementation Plan) at the Purchaser’s premises, or other locations nominated by the Purchaser, if and when called for by the Purchaser. Prepare action points / notes from any meeting and distribute them to all parties within a reasonable time period;
- Ensure the Project Manager produces as a minimum, a weekly update status report during the System implementation period; and

- Following the successful completion of the implementation period of the System, provide the Purchaser with a nominated point of contact to act as the Account Manager to manage any post acceptance activities, including but not restricted to, support, maintenance, fault fixes, management information, software, retuning the System, blackspots, etc.
- If the Purchaser, at any time during the Contract duration is not satisfied with the performance of the Supplier's Project Manager or Account Manager, the Supplier will provide a suitable alternative individual to take over this role. For the avoidance of doubt and providing the Purchaser has acted reasonably in requesting such a change, this will not absolve the Supplier of any of their obligations for the delivery of the Services and will not be accepted by the Purchaser as a valid reason for such.

7. IMPLEMENTATION PLAN

7.1 The Supplier shall provide and maintain a current and detailed Implementation Plan (on a Gantt chart or equivalent), which reflects the key dates and milestones, critical activities and any dependencies necessary to achieve the programme, including installation, and completion against the dates agreed in the Contract. The Supplier's Implementation Plan will, as a minimum, identify the following activities:

- Key dates associated with the availability of System components or Software development; delivery, installation; commissioning, training, Factory Acceptance Testing (FAT) and on-site Acceptance Tests and hand over.
- Securing and ensuring the availability of any Disclosure Scotland certificates for any Supplier (or sub-contract) staff proposed to carry out works within the Premises;
- Any relevant dates or time periods for completion of any Purchaser or third party activity which supports the Contract.

7.2 The Supplier's Implementation Plan shall recognise and take account of the restrictions of working in a prison, including but not restricted to:

- The need to be escorted at all times and if working in two parts of a prison, e.g. at either end of a cable, the need for escorts to be present at both locations. Careful coordination with prisons will be required to ensure that escorts are available.
- Restrictions within prison Premises on the availability and use of personal communication devices (for example, mobile phones, PDA personal organisers, Blackberries, or other devices which include Bluetooth connections) and any IT equipment (such as laptop computers) which enables wireless connection to the internet or mobile phone networks. (See Clause 8.11 of Schedule A)
- For the avoidance of doubt, the majority of work, including installation of the cabling and telephone instruments will be undertaken between the hours of 09:00 – 17:30 Monday to Friday excluding weekends and Scottish Bank holidays. Any extension to these core hours will be subject to agreement with each Establishment and reflect consideration of SPS operational and escort staff availability.

8. INSTALLATION

8.1 The Supplier is wholly responsible for the delivery, installation, testing of the System and to ensure it is completed and fully operational by 14th March 2014.

8.2 The Supplier shall assess and assume responsibility for fully installing the System into the pilot site. The Supplier shall:

- Undertake all civil works associated with the installation of the System, in liaison with, and to the approval of, the Purchaser including any cabling in the cable route;
- Be responsible for making good all works disturbed by them, and for all work associated with opening and closing of the cable route and for leaving the route in a condition acceptable to the Purchaser's Project Manager and at no cost to the Purchaser;

- Ensure that all cabling installation work undertaken by the Supplier shall meet the latest edition of the IEE wiring Regulations;
- Be responsible for providing all installation materials necessary for a complete and functional service for the System.
- Ensure compliance with the CDM regulations (where applicable);
- Produce and ensure that there are appropriate health & safety method statements and safety plans for all on-site works conducted by the Supplier (or their sub-contractors or partners), that staff are appropriately supervised and instructed regarding health & safety, and that there are appropriate measures for controlling risks;
- Ensure that all appropriate standards including British Standards and European Standards are met when completing all System installation and
- Liaise with the Purchaser, who will do all that is reasonably required by the Supplier to enable the Supplier to effect any Works or cabling requirements and will do all that is reasonably required by the Supplier to enable the System to be installed and the Services to be supplied. The Supplier will provide the Premises with at least 5 working days' notice of the installation dates.

9. ACCEPTANCE TESTING

9.1 The Supplier shall ensure:

- The System is tested and meets the technical annexes of the current draft Memorandum of Understanding (MOU) between the MOJ/NOMS and the MNOs (Part 3 of Schedule B).
- Prior to Contract award, the Supplier shall assess, ensure and provide assurance (including evidence, if required) to the Purchaser that the System fully complies with the formally ratified technical annexes of the MOU between the MNOs, OFCOM and the Purchaser.

9.2 The Purchaser shall engage an independent 3rd party to evaluate the System. Thereafter, once the Purchaser is content that the System fully complies with this Specification and the technical annexes of the MOU between MNOs and the Purchaser, then the Purchaser shall pay the Supplier in accordance with the Pricing Schedule (Schedule C).

10. DOCUMENTATION

10.1 Prior to the Supplier handing over the System to the Purchaser, the Supplier shall provide sufficient documentation to allow the Purchaser to manage and support the System solution, including but not be limited to:

- Operating Manuals;
- Solution topology schematics;
- System configuration information;
- Test and acceptance documentation;
- User documentation including training material and workplace instructions.

10.2 The Supplier shall also:

- Produce and maintain a document register to ensure that all documentation issued by the Supplier is produced and issued in a controlled manner:
 - Each document, drawing or Specification will clearly state the title, author, date and issue.

- All documents, including drawings, will be subject to formal change control with any revisions to documents being clearly identified and tracked. For the avoidance of doubt, all the documentation will be subject to revision by the Supplier, and resubmitted to the Purchaser until the Purchaser approves the documentation. The Purchaser will not unreasonably withhold this approval.
- Provide one operating handbook (in paper and CD format) for the Site that will detail in plain English how the System is operated:
 - The Supplier shall ensure that the Purchaser's monitoring PC(s) contains a copy of the latest version of the operating handbook and that further CD's are available to the Site, if requested by the Purchaser.
 - The handbook and operating information shall also be provided in a format which enables the Purchaser to upload this to the Purchaser's Intranet (where appropriate).
- Provide a set of as-built drawings, on paper and in electronic format, showing the configuration and wiring details of the System within 15 working days of the completion of the Installation Period.
- If found to be in Default, produce a bespoke manual for the maintenance of the System, on paper and in electronic format, with sufficient information to enable a third party to maintain the equipment to second service level where service levels are defined as:
 - First service level - Customer capable servicing;
 - Second service level - Third party maintainer / repair facilities; and
 - Third service level - Original manufacturer for specialist and/or non-serviceable components.

11. TRAINING

11.1 The Supplier will provide a training plan and deliver agreed training to enable relevant Purchaser's staff to correctly and safely operate the System, in accordance with any operating requirements:

- Training activities will cover all topics necessary for the correct and safe operation of the System by the Purchaser and include:
 - Management and user training to enable SPS personnel to effectively administer the System and carry out the necessary reporting; System administration and operation training including, data retrieval and back-up; training to support configuration of the System
 - Technical training for SPS personnel to enable any required first-line maintenance or System care activities;
 - Training for key individuals to enable them to instruct new staff in the correct use all parts of the System and its constituents functionality; and
 - Information and material to enable Purchaser staff to support effective operation of the System.
- Work instructions / user documentation to support post training use and common queries related to the System by trained SPS users.

11.2 The Supplier shall provide the training plan to the Purchaser's, no later than 28 calendar days prior to the scheduled Go Live date of the System, which shall include related timescales.

12. ENVIRONMENTAL

12.1 The Supplier shall ensure that the System, including any components therein, meet the Restriction on the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (ROHS) directive and are free from such hazardous material.

12.2 The Supplier shall, so far as possible, conform to the Purchaser's ethical and environmental policies to avoid the use of any goods or packaging materials which have been produced by means which involve a

disproportionately adverse effect on the natural environment. Those policies include encouraging the use of practices and procedures to reduce waste and encourage the careful use of non-renewable natural resources.

13. LEGISLATIVE COMPLIANCE

13.1 The Supplier shall ensure that the System provided meets all relevant UK standards and regulations, or EU equivalents, including the Electrical Equipment (Safety) Regulations (1994, as amended), the Electromagnetic compatibility Regulations (1994, as amended), Restrictions on the use of Hazardous Substances, CE legislation compliant, tested and certificated and display the correct CE and relevant markings accordingly for importation into the UK.

13.2 The Supplier takes account of all relevant UK and EU legislation in fulfilling the legal requirements to supply goods for sale in the UK market, including but not limited to relevant (CE) requirements, European Norms (EN), British Standards (BS) and the electric and electromagnetic safety requirements to allow the importation and sale of electronic equipment into the United Kingdom. The Supplier must provide the Purchaser with copies of the relevant CE declaration of conformity certificates and testing reports of compliance for each Good supplied.

End of Part 1 of Schedule B

EXHIBIT AC1/19

Purchase order and contract between Avon & Somerset Police and Cellebrite.



**POLICE AND CRIME
COMMISSIONER FOR
AVON AND
SOMERSET**

**Purchase Order No: 8000367129
Date: 07.12.2016**

**Invoice To:
PCC for Avon & Somerset
PO Box 165
BRISTOL
BS20 1AE**

Vendor Details:
Celebrite UK Ltd
68 Lombard Street
LONDON
EC3V 9LJ

Deliver To:
AS01
Avon and Somerset Police
C/O Headquarters Finance Denise
Ricketts
Valley Road
PO Box 37
Portishead

Contact :

Email:

BS20 8JJ

Item No	Product code	Description	Quantity	Delivery Date	Unit of Measure	Unit Price	Net Price
1		F-UFD-15-032 UFED Infield Kiosk Logical			EA		
2		Shipping & Handling			EA		

VAT NO: GB181614317
Payment Terms: 30 days Net Currency : GBP

Page 1 of 1

This order has been electronically authorised and does not require a signature. It is placed by way of an offer to enter into a contract of supply on PCC for Avon & Somerset's standard terms and conditions. A copy of which can be obtained from <http://www.southwestons.org.uk/irj/supplier/public/legal/>.

Please note that payment terms are applied from date of receipt of a correct invoice.
DON'T FORGET TO INCLUDE ON YOUR INVOICE THE PURCHASE ORDER NUMBER AND E-MAIL ADDRESS LOCATED ON THIS ORDER FORM

CELLEBRITE UK Limited
GENERAL TERMS AND CONDITIONS

1. Definitions

1.1. In these Sale Agreement of Equipment and Products - General Terms and Conditions (the "GTC"):

1.1.1. "Cellebrite" shall mean Cellebrite UK Limited. Cellebrite is the UK based affiliate of the Cellebrite Mobile Synchronization Ltd, the manufacturer and the owner of the Products which are sold under a Purchase Order;

1.1.2. "Equipment"/"Product" shall mean all equipment, objects, machines, parts, installations, materials and any other moveable property identified in the Purchase Order and to be supplied under the agreement between Cellebrite and the Purchaser;

1.1.3. "Person" shall mean and include an individual, a partnership, a joint venture, a corporation, a limited liability company, a limited liability partnership, a trust, an incorporated organization and a governmental or regulatory authority;

1.1.4. "Purchaser" shall mean the contracting party of the which purchase from Cellebrite the Products under the Purchase Order;

1.1.5. "Purchase Order" or "PO" shall mean a purchase order as shall be submitted by Purchaser to Cellebrite from time to time;

1.1.6. "Restricted Territories" shall mean any of those jurisdictions or territories that are (i) the subject or target of sanctions or terrorist-supporting territory, including, without limitation, Iran, Syria, Lebanon, Palestinian territories, North Korea, Sudan and the Crimea region, or (ii) a regulated territory in which the Purchaser does not have the licences, permits, authorisations and approvals that are required by all applicable laws issued by the relevant regulatory authority to carry out the Purchaser's business activity using the Product and/or the Software.

1.2. The Sections captions used herein are for reference purposes only, and shall not in any way affect the meaning or interpretation of these GTC.

1.3. In these GTC, unless the context otherwise requires: (i) words expressed in the singular number shall include the plural and vice versa, (ii) words expressed in the masculine shall include the feminine and neuter gender and vice versa; (iii) references to Sections are references to sections of these GTC; (iv) reference to "day" or "days" are to business days, which shall be any day, other than a Saturday or Sunday or a day on which banks located in the UK shall be authorized or required by law to close; and (v) "include," "includes," and "including" are deemed to be followed by "without limitation" whether or not they are in fact followed by such words or words of similar import.

2. Scope and Purpose

2.1. Scope. These GTC shall apply to any agreements concluded between Cellebrite and Purchaser for the acquisition of Product from Cellebrite. Any and all commitments, understandings and agreements between Cellebrite and Purchaser regarding the acquisition of the Product, including any Purchase Order, shall be made subject to these GTC. In the event of any inconsistency between the provisions of the Sale Agreement or these GTC and any other provision relating to the acquisition of the Product, such as a Purchase Order, the provisions of the Sale Agreement or these GTC as appropriate shall prevail to the extent of the inconsistency.

2.2. Deviations from the GTC. Any deviations from these GTC, the Sale Agreement and the SLA, unless they are made in writing and executed by duly authorized officer of Cellebrite shall be void and unenforceable.

3. Purchase Orders

3.1. Purchase Order. Purchaser shall issue a Purchase Order to Cellebrite from time to time. In each Purchase Order Purchaser will specify: (i) quantities of each Product; (ii) price per unit for each Product (in accordance with the terms agreed upon hereunder) ("**Price per Unit**") and license fees; (iii) desired date for

collection of the Products; (iv) shipping instructions; and (v) any other data or information requested by Cellebrite.

3.2. Purchase Order Amendments. Notwithstanding anything to the contrary herein, Purchaser may request to amend the Purchase Order following the issuance of a new Purchase Order, and make changes to any specification detailed in the original Purchase Order in writing and in the form of a regular Purchase Order. Such changes will require: (i) sufficient advance notice for Cellebrite to make the necessary adoptions and modifications as long as the Product is under manufacturing process; and (ii) confirmation from Cellebrite for such modification to the Purchase Order. In case any changes affect the Price per Unit or delivery schedule of the Product, an equitable adjustment to the Price per Unit or delivery schedule shall be made upon written mutual consent of the Parties.

3.3. Purchase Order Confirmation. Cellebrite shall provide a written response to each Purchase Order within seven (7) business days following the receipt of a Purchase Order. In the event Cellebrite fails to respond to Purchaser within said period, the Purchase Order shall be deemed as accepted.

3.4. Purchase Order Cancellation and Reimbursement of Charges. Purchaser may cancel a Purchase Order in whole or in part by giving Cellebrite a written notice in this respect no later than forty-five (45) days prior to the designated delivery date (“**Cancellation Notice**”, or “**Cancelled Purchase Order**”). In the event Purchaser cancels a Purchase Order or any part thereof, Cellebrite shall reimburse Purchaser for the relative part of the Total Purchase Price (as defined below) paid by Purchaser for the Products. Any sums to be reimbursed by Cellebrite may be reduced to reflect lost material which cannot be consumed or used in the next three (3) months by Cellebrite in the course of its business *provided* that in such event Cellebrite shall act to minimize the scope of the damages incurred thereby and by Purchaser.

3.5. Price per Unit. The Price per Unit, as set forth in the Purchase Order shall be final, fixed and binding for the applicable Purchase Order and will not be subject to change or update subject to a written confirmation of Cellebrite.

4. Prices and Purchase Price

4.1. Price List. Cellebrite shall be entitled, at its sole discretion and from time to time, to change its price lists, remove products from the price lists or add additional products with additional prices. Changes in price lists shall take effect within 30 days from the date of notification to Purchaser. It is hereby clarified that Changes in price lists shall not apply to Products underlying a Purchase Order that, at the time of the change, was already confirmed by Cellebrite pursuant to section 3.3 above (“**Confirmed PO**”); provided however, that Changes in price lists shall apply to a Confirmed PO that was amended by the Purchaser and at the time of the change, has yet to be confirmed by Cellebrite.

4.2. Total Purchase Price. Purchaser shall pay Cellebrite the total price (including Approved Packaging, User's Manual and wrapping, and other expenses) as set forth in the Purchase Order (“**Total Purchase Price**”).

4.3. Quoted Price. Unless otherwise agreed in writing, all prices quoted in the Purchase Order (“**Quoted Price**”) shall be paid by the Purchaser to the account(s) indicated by Cellebrite. All payments shall be made in US currency or other currency mutually agreed by the Parties. The payment is considered made at the date when the amounts effectively reach Cellebrite's bank account. The Quoted Price does not include transportation, insurance, federal, state, local, excise, value-added, use, sales, property (ad valorem), and similar taxes or duties now in force or hereafter enacted which all shall be paid by the Purchaser. It is agreed that the Purchaser shall pay all taxes, fees, or charges of any nature whatsoever imposed by any governmental authority on, or measured by the transaction between Purchaser and Cellebrite, in addition to the Quoted Price or invoiced. In the event Cellebrite is required to collect the foregoing, Purchaser will pay such amounts promptly unless it has provided Cellebrite with a satisfactory valid tax exemption certificate authorized by the appropriate taxing authority.

4.4. Terms of Payment and Default Interest: All payment is due prior to shipping and in accordance with the payment terms set forth in the Sale Agreement ; provided, however, that in the event Cellebrite has approved in writing any credit terms, the Purchaser shall pay the invoiced amount in strict compliance with the payment terms specified in Cellebrite's quotation. An interest charge of one and one-half percent (1½%) per month on all amounts will be attached to any payments which are not paid on time accruing on a daily basis and compounding monthly from the date such amounts were due. In the event the Purchaser delays shipments other than as authorized in these GTC or the applicable Purchase Order these GTC is attached

to, Cellebrite may invoice Purchaser when Cellebrite is prepared to ship the Product. Cellebrite may invoice Purchaser immediately upon cancellation of or change to any Purchase Order in accordance with Section 3.4 above.

5. Delivery

5.1. **Delivery Obligations.** Delivery obligations of Cellebrite (including the delivery location and time period) shall be as set forth in the Purchase Order. The Product shall be free from any pledge, lien, charge, hypothecation, encumbrance or other security interest upon its delivery to the Purchaser.

5.2. **Lead Time.** Unless otherwise was agreed between the Parties, the lead time of Products to the Delivery Point pursuant to a Purchase Order shall be not less than 30 business days following the date upon which the Purchase Order became an accepted Purchase Order (the "**Lead Time**"). Cellebrite reserves the right to prolong such Lead Time but not longer than 5 days following the recipient of the Purchase Order.

5.3. **Transfer of Risk and Title.** The transfer of the risk regarding the Product (not the Software) shall pass to Purchaser upon delivery. Purchaser shall grant to Cellebrite a purchase money security interest in the Product or Software to secure the purchase price of the Product or Software until the purchase price is paid in full. Only upon full payment of Purchaser to Cellebrite the title of the Product (not Software) shall pass to the Purchaser.

5.4. **Default Delivery Point.** Unless otherwise specified in a Purchase Order, subject to the full payment of the Total Purchase Price by the Purchaser, all Products ordered and purchased by Purchaser under the provisions of these GTC and the applicable Purchase Order shall be delivered EX Works Cellebrite location (INCOTERMS 2010) Petach-Tikva, Israel (the "**Default Delivery Point**"). Delivery will be made in a manner reasonably determined by Cellebrite. The Products shall be deemed accepted upon delivery.

5.5. **Reschedule of Delivery.** Purchaser may reschedule delivery only once, provided that such rescheduling is notified in writing to Cellebrite at least thirty (30) days prior to delivery date. In the event the Purchaser wishes to obtain any changes in the Purchase Order less than thirty (30) days prior to delivery date or any additional rescheduled delivery, Purchaser shall pay the full amount under the Purchase Order.

5.6. **Purchaser Objections.** Any potential objection or comment of the Purchaser shall not cause the refusal to receive and accept the Product provided that the Product complies with the specific details, technical characteristics and the equipment specified in the Purchase Order.

6. Warranty

6.1. **Express Warranty.** Subject to Appendix I to these GTC (Cellebrite's Standard Warranty), Cellebrite warrants to the Purchaser that it shall manufacture, test and deliver the Product as specified in the Purchase Order in accordance with the regulations and standards set forth in this Section 6, and that all Products will be free from any material defects in workmanship and will materially conform to the Product specifications set out in the Purchase Order. Cellebrite's warranty shall last and remain in full force and effect for twelve (12) months following the delivery of the Products to the Purchaser. Except as otherwise provided in these GTC, Cellebrite's obligation under such warranty shall be at Cellebrite discretion to: (x) provide the Purchaser with free-of-charge replacement parts for defective or non-conforming Products; or (y) repair defective or non-conforming Products; or (z) repay the Purchaser the amounts he paid to Cellebrite according to an approved invoice.

6.2. It is further clarified that the Product or Software is manufacture, designed, designated and dedicated for specific and unique purposes by Cellebrite. Any changes or modification to the Product or Software of Cellebrite embedded in the Product or any installation of any Software, not preapproved by Cellebrite, on the Product or the Software, may cause a malfunctioning of the Product and or the Software. It is hereby clarified, that such unauthorized action invalidates Cellebrite's warranty with respect to such Product or Software, and any liability for such products and or software and any warranty given by Cellebrite shall not apply and shall be null and void with respect to such Products and or Software.

7. Intellectual Property

7.1. **Title to Software.** Notwithstanding anything to the contrary agreed in a Purchase Order, software furnished hereunder ("**Software**") is provided to the Purchaser under a non-exclusive, worldwide, royalty free, non-transferrable, limited license and the Software is not sold to the Purchaser under the Purchase Order. All title and interest of the Software, documentation related to Software ("**Documentation**") and

any derivative works thereof shall remain solely and exclusively with Cellebrite. If agreed in writing in the Purchase Order that the Purchaser acquires ownership rights in the Software, the Software which will be provided under the Purchase Order will be subject to an end user license agreement (“EULA”) as will be attached to the Product. In the event of any conflict between these GTC and the EULA, the EULA shall take precedence over these GTC in all matters related to the Software.

7.2. **Intellectual Property.** Subject to Section 7.1, it is hereby being expressly clarified that all intellectual property rights relating to the Software and/or the Products, including without limitation, all patents, trademarks, algorithms, binary codes, business methods, computer programs, copyrights, databases, know-how, logos, concepts, techniques, processes, methods, models, commercial secrets and any other intellectual property rights, including any new developments or derivative works of such intellectual property, whether registered or not, are and shall remain the sole and exclusive property of Cellebrite.

8. **Confidentiality**

8.1. Each Party agrees (i) subject to disclosure required by law, regulation or the requirement of a competent authority, to keep the other Party’s Confidential Information confidential, with such care as it uses for its own confidential information, but at least reasonable care; (ii) not to disclose the other party’s Confidential Information, in whole or in part, to any Person or entity, unless requested to do so by the other Party, and (iii) keep in a safe place, and safeguard all Confidential Information exposed to or materials received from the other party, and return them immediately upon its first demand, and delete or erase any Confidential Information which could not be returned (including any software backups) immediately following first demand, and provide the other Party with a written evidence of such action.

8.2. Each Party shall immediately upon becoming aware of the same give notice to the other of any unauthorised disclosure, misuse, theft or other loss of Confidential Information of the other Party, whether inadvertent or otherwise.

For the purpose of these GTC, “**Confidential Information**” shall mean any technical, business or other information related to such party’s actual or planned business, including but not limited to, know-how, inventions, data, drawings, designs, diagrams, software programs and their sources, processes, methods, formulae, prototypes and models, all whether or not marked as confidential and whether or not covered by patents, patent applications, copyrights or other proprietary rights protection, and trade secrets, agreements, documents, names of potential suppliers or customers, proposed business deals, reports, plans, market studies, surveys and projections, and any other information which is confidential or proprietary in nature.

9. **Limitation of Liability**

9.1. NOTHING IN THIS AGREEMENT SHALL LIMIT OR EXCLUDE EITHER PARTY’S LIABILITY:

9.1.1. FOR DEATH OR PERSONAL INJURY CAUSED BY ITS NEGLIGENCE;

9.1.2. FOR ANY LOSS CAUSED BY FRAUD, DISHONESTY, OR DECEIT (INCLUDING FRAUDULENT PRE-CONTRACTUAL MISREPRESENTATIONS MADE BY ONE PARTY TO THE OTHER);

9.1.3. FOR ANY BREACH OF THE TERMS IMPLIED BY SECTION 12 OF THE SALE OF GOODS ACT 1979 OR SECTION 2 OF THE SUPPLY OF GOODS AND SERVICES ACT 1982; OR

9.2. THAT MAY NOT OTHERWISE BE LIMITED OR EXCLUDED BY LAW. NEITHER PARTY SHALL BE LIABLE HEREUNDER FOR THE LOSS OF PROFITS, SAVINGS OR REVENUES OF ANY KIND OR LOSS OR CORRUPTION OF, ANY RECORDS, PROGRAMS OR OTHER DATA. NEITHER PARTY SHALL BE LIABLE HEREUNDER FOR ANY INCIDENTAL, INDIRECT, SPECIAL, EXEMPLARY OR CONSEQUENTIAL DAMAGES, WHETHER OR NOT SUCH PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THIS PROVISION SHALL APPLY EVEN IN THE EVENT OF THE FAILURE OF AN EXCLUSIVE REMEDY.

9.3. TO THE MAXIMUM PERMITTED EXTENT, CELLEBRITE DISCLAIMS ANY AND ALL LIABILITIES OR OBLIGATIONS WHATSOEVER RELATED TO THE USE OF THE PRODUCTS OR SOFTWARE BY ANYONE OTHER THAN PURCHASER.

9.4. SUBJECT TO SECTIONS 9.1, 9.2, 9.3 AND 9.6 OF THESE GTC, CELLEBRITE'S ENTIRE LIABILITY TO PURCHASER FOR ANY DAMAGES, REGARDLESS OF THE FORM OF ACTION, WHETHER IN CONTRACT, TORT INCLUDING NEGLIGENCE, STRICT LIABILITY OR OTHERWISE SHALL BE LIMITED TO THE TOTAL AMOUNT PAID BY PURCHASER TO CELLEBRITE DURING THE TWELVE (12) MONTH PERIOD THAT IMMEDIATELY PRECEDED THE EVENT THAT GAVE RISE TO THE APPLICABLE CLAIM.

9.5. THE LIMITATION OF LIABILITY CONTAINED IN THIS SECTION 9 SHALL NOT APPLY TO (I) PURCHASER'S PAYMENT OBLIGATIONS TO CELLEBRITE HEREUNDER; (II) EACH PARTY'S CONFIDENTIALITY OBLIGATIONS; (III) PURCHASER'S VIOLATION OF CELLEBRITE'S INTELLECTUAL PROPERTY RIGHTS; AND (IV) PURCHASER'S INDEMNITY OBLIGATIONS.

10. Purchaser Indemnity.

Purchaser will, at its own expense: (i) indemnify and hold Cellebrite and its affiliates, officers and directors harmless from any claim (whether brought by a third party or an employee, consultant or agent of Purchaser's) arising from any use of a Product or Software in a manner other than as authorized under these GTC, the applicable Purchase Order or under any law; (ii) reimburse on demand Cellebrite for any expenses, costs and liabilities (including reasonable attorney fees) incurred relating to such claim; and (iii) pay on demand all settlements, damages and costs assessed against Cellebrite and attributable to such claim.

11. Responsibility

11.1. Subject to the terms of these GTC and any ancillary documents thereto, each Party is responsible to the other Party for damages it may cause to the other Party with willful acts and for its failure to fully or duly perform the conditions hereof.

11.2. The Purchaser shall not assign any part of its rights or obligations hereunder to any third party in any way, without obtaining the prior written consent of Cellebrite.

11.3. The Purchaser will not, directly or indirectly, use the Product and/or the Software, or otherwise resell, deliver, transfer, lend, contribute or otherwise make available the Product and/or Software to any of Cellebrite's competitors.

11.4. The Purchaser will not directly or indirectly use the Product and/or the Software, or otherwise resell, deliver, transfer, lend, contribute or otherwise make available the Product and/or Software to party, person or entity in connection with any terrorist activity or activity or business in any of the Restricted Territories in violation of sanctions administered by the Office of Foreign Assets Control of the U.S. Department of the Treasury ("OFAC") or the U.S. Department of State (including, without limitation, the designation as a "specially designated national" or "blocked person"), the United Nations Security Council ("UNSC"), the European Union, Her Majesty's Treasury or other relevant economic sanctions authority.

11.5. Cellebrite may from time to time, modify the list of Restricted Territories so as to include any territory where Cellebrite discovers or has reasonable grounds to believe, acting at its reasonable sole discretion, that the use, whether directly or indirectly, resell, delivering, transferring, lending, contribution or otherwise making available of Product and/or the Software would be subject to any of the above sanctions, restricted or forbidden under any laws, rules and/or regulations in that territory or where the use by the Purchaser whether directly or indirectly, the resell, delivering, transferring, lending, contribution or otherwise making available of the Product and/or Software shall be considered by Cellebrite to jeopardize Cellebrite's business operations. Upon notification, the territory so identified shall be deemed a Restricted Territory.

11.6. In the event that Cellebrite delays in making a delivery of a Product to the Purchaser in accordance with provisions hereof, then the Purchaser may claim for compensation of 1% (one percent) of the price of such Product as set forth in such Confirmed PO (the "**Delayed Product Price**" and the "**Delay Payment**" respectively) per each business day following the delivery date of a Product (as set forth in the Confirmed PO underlying such Product); provided however that the aggregate Delay Payment shall not exceed, in any event, a cap amount of 5% of the Delayed Product Price. Cellebrite shall pay the Delay Payment due hereunder from it within ten (10) days following its receipt of the written notice from the Purchaser claiming such payment. The parties agree that the Delay Payments represent a genuine and reasonable pre-

estimate of Purchaser's losses in circumstances where Cellebrite is delayed in delivering a Product to Purchaser

11.7. No payment of any aforesaid Delay Payment shall be deemed a release for such Party from performing its obligations hereunder.

11.8. In executing the agreement, Cellebrite shall follow the provisions of the policies attached hereto as **Appendix II** to these GTC ("**Business Conduct Policies**").

11.9. Purchaser shall provide Cellebrite with any amendments to the Business Conduct Policies by means of 90 days prior written notification. Upon receipt of such notification, and within the 90 days' notice period Cellebrite may elect to terminate the engagement with the Purchaser, and such termination shall not be deemed a breach of the Agreement.

11.10. In case of a breach of the Business Conduct Policies by Cellebrite, Purchaser shall be entitled to terminate this agreement by sending a 30 days' prior written notification to the Cellebrite.

12. Force Majeure

12.1. No party hereto shall be liable for delays in performance caused by any extreme circumstance or event beyond the said party's reasonable control and which was unforeseeable and unpreventable by said party, and which interferes with the performance of the Purchase Order or agreements related thereto ("**Force Majeure**"). For avoidance of any doubt, Force Majeure shall include, but not be limited to, acts of God, war (whether declared or undeclared), act of terrorism, strikes, fires, accidents, floods, civil disturbance and natural disasters. Upon the ceasing or termination of Force Majeure, the parties hereto shall resume their responsibilities under the terms of the Purchase Order and related agreements within 7 days (or, if the same is not possible, within reasonable period of time).

12.2. The Force Majeure exonerates of liability the Party which invokes it, to the extent that this Party submits to the other Party a written notification within five (5) days as of the occurrence of the Force Majeure.

13. Miscellaneous

13.1. Compliance with Laws. The Purchaser represents warrants and covenants to Cellebrite that it shall only use the Products or Software in compliance with all applicable laws or regulations, or the applicable foreign equivalents and in a manner that does not violate any of the rights of any third party.

13.2. Non-Assignment. Neither Party may assign its rights and obligations hereunder without the prior written consent of the other Party, except that either Party may assign its obligations under these GTC and Purchaser Order to any of its affiliates of such Party or to an acquirer (by purchase, merger or otherwise) of all or substantially all of such Party's business or assets relating to these GTC and the applicable Purchaser Agreement, provided that (i) the assignee agrees in writing to be bound by terms of these GTC and the applicable Purchase Order, (ii) neither the assignor nor assignee are in default hereunder. Any other purported assignment shall be null and void.

13.3. No Waiver. No course of dealing or failure of either Party to strictly enforce any term, right or condition of these GTC or the terms of the applicable Purchase Order shall be construed as a waiver of such term, right or condition.

13.4. Governing Law. The construction, validity and performance of these GTC, the Sale Agreement and the applicable Purchase Order, and any non-contractual obligations arising from or connected with the same, shall be exclusively governed by and construed in accordance with the laws of England, without giving effect to conflict of law rules. The competent courts in England shall have the exclusive jurisdiction in any dispute arising from these GTC or the applicable Purchase Order or the Sale Agreement, including disputes relating to non-contractual obligations. The parties agree not to bring any claim regarding such a dispute in any other court, and to waive unconditionally any objection to the laying of venue in such forum, including any claim of inconvenient forum.

13.5. Publicity. Purchaser entitles Cellebrite to list the Purchaser as one of Cellebrite's customers. For the avoidance of doubt, the terms of these GTC and the terms of the applicable Purchase Order shall be considered as Cellebrite's Confidential Information.

13.6. Headings. The headings used in these GTC and the Purchase Order are for reference purposes only and shall not be deemed to in any way affect the interpretation of any term or provision hereof.

13.7. Language. Except where the context otherwise requires, the terms “including” and “includes” shall mean “including without limitation” and “includes without limitation”, respectively. If any term hereof shall be held to be invalid or unenforceable for any reason, then the meaning of such term shall be construed so as to render it enforceable to the extent feasible. If no feasible interpretation would save such term hereof, it shall be severed herefrom, but without in any way affecting the remainder of such term or any other term contained herein, unless such severance effects such a material change as to render the terms of these GTC unreasonable.

13.8. Termination. Either Party hereto may terminate this Agreement: (i) for its convenience by giving the other thirty (30) days’ prior written notice; (ii) by giving the other Party a written notice to be immediately effective in case the other causes a material or continuous breach hereof (“continuous” meaning two or more occurrences of the same breach).

13.9. Third Party Rights. A person who is not a party to the Sale Agreement, these GTC, the SLA and the Purchase Orders shall not acquire any rights under them or be entitled to benefit from any of their terms whether pursuant to the Contracts (Rights of Third Parties) Act 1999 or otherwise.

* * *

Appendix I

Warranty

CELLEBRITE’S STANDARD WARRANTY

A. Hardware Warranty:

Subject to Sections B, C and E of this Appendix I, Cellebrite warrants that each Product, including all firmware (excluding Software (for which the warranty is only as provided under Section D) and other Accessories (for which the warranty shall be as provided below)), but not related services or prototypes of any such Product, shall be in conformance with the written specification furnished or agreed to by Cellebrite for twelve (12) months after acceptance (the “**Warranty Period**”). If any failure to conform to such specification (“**Defect**”) is suspected in any Product during the Warranty Period, Purchaser, after obtaining return authorization information from Cellebrite, shall ship suspected defective samples of the Product to Cellebrite in accordance with Cellebrite’s instructions at Purchaser’s expense. No Product will be accepted for repair, replacement, credit or refund without the written authorization of Cellebrite. Cellebrite shall analyse the failures, making use, when appropriate, of technical information provided by Purchaser relating to the circumstances surrounding the failures. Cellebrite will verify whether any Defect appears in the Product. If a returned Product does not have a Defect, Purchaser shall pay Cellebrite all costs of handling, inspection, repairs and transportation at Cellebrite’s then-prevailing rates. If a returned Product has a Defect, Cellebrite shall, at its option, either repair or replace the defective Product with the same or equivalent Product without charge or, if such repair or replacement has not occurred by the thirtieth (30th) day following Cellebrite’s receipt of the returned Product, credit or refund (at Cellebrite’s option) the purchase price within ten (10) days after such thirtieth (30th) day; provided: (i) Purchaser notifies Cellebrite in writing of the claimed Defect within thirty (30) days after Purchaser knows or reasonably should know of the claimed Defect, (ii) the claimed Defect actually exists and (iii) the Defect appears within the Warranty Period. Cellebrite shall ship any replacement Product DAP excluding Import VAT (Incoterms 2010), to Purchaser’s destination. Any replaced Product or replaced parts of any Product shall pass to Cellebrite upon delivery of the replacement Product or replacement parts of a Product as appropriate. In no event shall Cellebrite be responsible for deinstallation or reinstallation of any Product or for the expenses thereof. Repairs and replacements covered by the above warranty are warranted to conform with the written

specification furnished or agreed to by Cellebrite for a period of (i) six (6) months from the date of repair or replacement or (ii) until the expiration of the original Warranty Period, whichever is later. Cellebrite warrants that Accessories shall be in conformance with the written specification furnished or agreed to by Cellebrite for six (6) months after acceptance (the “**Accessories Warranty Period**”). If any Defect is suspected in any accessories during the Accessories Warranty Period, Purchaser, after obtaining return authorization information from Cellebrite, shall ship suspected defective Accessories to Cellebrite in accordance with Cellebrite’s instructions. No Accessories will be accepted for repair or replacement without the written authorization of Cellebrite. If returned Accessories do not have a Defect, Purchaser shall pay Cellebrite all costs of handling, inspection, repairs and transportation at Cellebrite’s then-prevailing rates. If returned Accessories have a Defect, Cellebrite shall either repair or replace the defective Accessories with the same or equivalent Accessories without charge. Title in any replaced Accessories shall pass to Cellebrite upon delivery of the replacement Accessories.

“**Accessories**” shall mean using any peripheral equipment which accompanies, or is used in conjunction with, the Products, including without limitation, cables, kits, connectors or other accessories.

B. Touch Screen Exclusion:

The Warranty Period for the touch screen of any Product with a touch screen is the period from the date of Purchaser’s initial receipt of the Product until thirty (30) days after such date, and Cellebrite provides the warranty under Section A in relation to such touch screen Products only to the extent any damage to it was not caused by Purchaser’s negligence or wilful misconduct.

C. Warranty of Title:

Cellebrite warrants that any title conveyed hereunder (excluding Software) shall be good and its transfer rightful, and that the Products delivered under these GTC shall be free from all liens, encumbrances and restrictions. Cellebrite further warrants that it has all rights and powers necessary to perform its obligations under these GTC and that to its knowledge, it has the right to grant the licenses and other rights provided to Purchaser by these GTC.

D. Software Warranty:

Cellebrite warrants to Purchaser that for a period of sixty (60) days after the date of shipment, the Software will perform substantially in conformity with its Documentation. As Purchaser’s sole and exclusive remedy, Cellebrite will, at its sole expense, and as its sole obligation, promptly repair or replace any Software that fails to meet this limited warranty. Subject to the EULA, Software shall be provided with an initial twelve (12) months licence which may be renewed by Purchaser for additional terms against payment of the applicable subscription fees to Cellebrite (the “**Software License Period**”). During the Software License Period Cellebrite shall provide Purchaser with periodical Software Updates (as defined below), at Cellebrite’s sole and absolute discretion.

“**Update**” means an update to the Software that is provided by Cellebrite and that may incorporate (i) corrections of any substantial defects; (ii) fixes of any minor bugs; (iii) at the sole discretion of Cellebrite, allowing additional compatibility of the Software with cellular phones provided by third parties; and/or (iv) at the sole discretion of Cellebrite, minor enhancements to the Software, as the case may be; provided, however, that Updates shall not include Software upgrades.

E. Exclusions:

Notwithstanding anything to the contrary in these GTC, the warranties herein do not apply to, and Cellebrite makes no warranties with respect to Defects in Products or Software if the Defect is caused by: (a) Purchaser’s misuse, damage, or unauthorized modification of the Products or Software; (b) Purchaser’s combination of the Products or Software with other products or software, other than as authorized in writing by Cellebrite; (c) placement of the Products or Software in an operating environment contrary to specific written instructions and training materials provided by Cellebrite to Purchaser; (d) Purchaser’s intentional or negligent actions or omissions, including physical damage, fire, loss or theft of a Product; (e) cosmetic damage to the outside of a Product, including ordinary wear and tear, cracks or scratches; (f) for any Product with a touch screen, any Defect in such a touch screen after thirty (30) days from the date of receipt of such Product, or any Defect caused in a touch screen by Purchaser’s negligence or wilful misconduct; (g) maintenance of the Products or Software in a

manner that is contrary to written instructions provided by Cellebrite to Purchaser; (h) a product or service not provided, authorized or approved by Cellebrite for use with the Products or Software; (i) any repair services not authorized or approved by Cellebrite; (j) any design, documentation, materials, test data or diagnostics supplied by Purchaser that have not been authorized or approved by Cellebrite; (k) usage of any test units, experimental products, prototypes or units from risk lots (each of which is provided "AS IS" to the maximum extent permissible by law); (l) any third party original equipment manufacturer's restrictions on individual phones or models of phones that prevent the phones or models of phones from working with the Products or Software; (m) any damage to a third party device alleged to or actually caused by or as a result of use of a Product or Software with a device; (n) any Products that have had their serial numbers or month and year of manufacture or shipment removed, defected or altered; (o) any interactions or other effects relating to or arising out of the installation of copies of the Software beyond the number of copies authorized by an agreement between Cellebrite and Purchaser; (p) use of Products or Software incorporated into a system, other than as authorized by Cellebrite; or (q) any Products or Software that has been resold or otherwise transferred to a third party by Purchaser (any Product or Software affected by the cases in (a)-(q) is referred to hereinafter as an "Excluded Item").

F. Warranty Limitations:

EXCEPT AS STATED IN THIS WARRANTY, CELLEBRITE, ITS SUBSIDIARIES AND AFFILIATES, SUBCONTRACTORS AND SUPPLIERS EXCLUDE ALL OTHER WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, AND SPECIFICALLY DISCLAIM ANY WARRANTY AND/OR CONDITION THAT THE PRODUCTS WILL BE OF SATISFACTORY QUALITY OR FIT FOR A PARTICULAR PURPOSE. TO THE MAXIMUM EXTENT PERMITTED BY LAW, PURCHASER'S SOLE AND EXCLUSIVE REMEDY FOR FAILURE OF AN ITEM TO CONFORM WITH ITS SPECIFICATIONS SHALL BE CELLEBRITE'S OBLIGATION (i) TO REPAIR OR (ii) TO REPLACE OR, (iii) IF NEITHER (i) NOR (ii) IS COMMERCIALY FEASIBLE, TO CREDIT OR REFUND (AT CELLEBRITE'S OPTION) SUCH ITEM AS SET FORTH ABOVE. THIS DISCLAIMER AND EXCLUSION SHALL APPLY EVEN IF THE EXPRESS WARRANTY FAILS OF ITS ESSENTIAL PURPOSE.

G. Repaired or Replaced Products:

Before returning a Product for service, Cellebrite recommends that Purchaser back up any data contained in such a Product.

H. Out of warranty period:

In any event, for a period of 4 years after the warranty period has ended, Purchaser shall have the option to send a product back for repair under the following conditions (i) Purchaser shall obtain a written return authorization confirmation from Cellebrite, (ii) following such confirmation, the shipping of the Products back to Cellebrite shall be on Purchaser's sole expense and risk. Following receipt of the Product, Cellebrite shall send the Purchaser a price proposal prior to repair/replacement of the unit based on the damage detected. In the event Purchaser shall require such repair/replacement, Purchaser shall provide in a returned Purchase Order (payment will be made as per the Purchaser's agreed payment terms signed in a contract or the payment will be requested in advance) and Cellebrite shall ship any repaired/replaced Product EXW (Incoterms 2010), on Purchaser's expense.

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Appendix II

Business Conduct Policies

1. Prevention of Internal Corruption

- 1.1. Distributor shall not offer to Cellebrite or its representatives as a variation of this Agreement or as a collateral agreement to it any advantage other than a financial discount.
 - 1.2. Distributor, or any person employed by the Distributor or acting on its behalf (whether with or without the knowledge of the Distributor) shall not offer or give, or agree to give, to any person any gift or consideration of any kind as an inducement or reward for doing or forbearing to do, or having done or forborne to do, any action in relation to the obtaining or execution of any agreement with Cellebrite, or for showing favor or disfavor to any person in relation to any agreement with Cellebrite.
 - 1.3. Distributor shall report to Cellebrite if it is aware of any employee of Cellebrite or any person acting on Cellebrite behalf having offered or given, or agreed to give, to any person any gift or consideration of any kind as an inducement or reward for doing or forbearing to do, or having done or forborne to do, any action in relation to the obtaining or execution of any agreement with Cellebrite or for showing favor or disfavor to any person in relation to any agreement with Cellebrite.
2. Compliance with Anti-Corruption Laws
 - 2.1. Neither the Distributor nor its directors, officers, employees, agents or shareholders shall, directly or indirectly, in connection with any agreement with Cellebrite and the business resulting therefrom (a) offer, pay, promise to pay, or authorize the giving of any monies or financial or other advantage to any person for the purpose of inducing or rewarding that person or any other person to perform their role or function improperly or for the purpose of influencing a Government Official in relation to any decision, act or other performance of their official role or function, including a decision to fail to perform that role or function, so as to obtain or retain business or a business advantage of any kind; or (b) act in breach of any applicable anti-bribery and anti-corruption laws, rules or regulations of similar purpose and effect, including but not limited to the UK Bribery Act 2010 (together, "Anti-Corruption Laws").
 - 2.2. Distributor agrees to keep full and accurate books and records of all payments made in connection with any agreement with Cellebrite, and to make all such books and records available to Cellebrite's duly authorized representatives as deemed necessary by Cellebrite to verify the Distributor's compliance with the Undertaking.
 - 2.3. No Government Official holds any shares, partnerships interests or other equity or ownership interests in the Distributor, or is an officer, director, employee, contractor or agent of the Distributor, and no Government Official has or will have a right to or interest in any payment or other thing of value provided by Cellebrite to the Distributor.
 - 2.4. Distributor shall ensure that its sub-contractors and any third parties with whom Distributor contracts, or which Distributor nominates, in connection with the performance of any agreement with Cellebrite, enter into the same compliance obligations vis-à-vis Distributor as set out in this Undertaking.
 - 2.5. Distributor shall not take any action or permit or authorize any action which may render Cellebrite liable for a violation of Anti-Corruption Laws and will not violate or cause Cellebrite to violate, Anti-Corruption Laws in connection with Distributor's provisioning of services to Cellebrite under this Agreement.
 - 2.6. Distributor shall implement suitable procedures within their business to enable their employees to report any instances of bribery or suspicious behavior and shall adequately train their staff to understand their obligations with regards to these procedures and this Undertaking and how to report any instances of bribery or suspicious behaviour. Any such reports shall be thoroughly investigated internally.
 3. Compliance with Anti-Money Laundering Laws
 - 3.1. Distributor and its directors, officers, employees, agents, shareholders and any other person acting on its behalf, will at all times comply with all applicable country, federal, state and local laws, ordinances, codes, regulations, rules, policies, regulations, guidance and procedures, related to the prevention of money laundering and terrorist financing ("Anti-Money Laundering Laws").

- 3.2. Distributor shall not commit, any offence, civil breach or civil wrong under any Anti-Money Laundering Law, and shall provide true information and statements to the extent the disclosure of such information is required under such law.
- 3.3. Distributor and its directors, officers, employees, agents, shareholders and any other person acting on its behalf shall not do any of the following in relation to property which Distributor knows or suspects constitutes or represents (in whole or in part and whether directly or indirectly) a person's benefit from conduct if that conduct constitutes an offence in any part of the United Kingdom or would constitute an offence in any part of the United Kingdom if it occurred there ("Criminal Property"):
 - 3.3.1. Acquire Criminal Property;
 - 3.3.2. Use Criminal Property;
 - 3.3.3. Possess Criminal Property;
 - 3.3.4. Conceal Criminal Property;
 - 3.3.5. Disguise Criminal Property;
 - 3.3.6. Convert Criminal Property;
 - 3.3.7. Transfer Criminal Property;
 - 3.3.8. Remove Criminal Property from the UK; or
 - 3.3.9. Enter into or become concerned in an arrangement which the person in question knows or suspects facilitates (by whatever means) the acquisition, retention, use or control of criminal property by or on behalf of another person.
- 3.4. Distributor and its directors, officers, employees, agents, shareholders and any other person acting on its behalf shall not commit any criminal offence which gives rise to Criminal Property.
- 3.5. Distributor and its directors, officers, employees, agents, shareholders and any other person acting on its behalf shall not take any action or permit or authorize any action which may result in Cellebrite committing or being liable for a violation of Anti-Money Laundering Laws and will not violate or cause Cellebrite to violate, Anti-Money Laundering Laws in connection with Distributor's provisioning of services to Cellebrite under this Agreement.
4. Prohibition against Forced Labor, Child Labor and Trans-shipment
 - 4.1. Distributor, or any person employed by it or acting on its behalf, will comply with all applicable laws pertaining to employment and employment practices, including all laws relating to labor relations, equal employment opportunities, fair employment practices, employment discrimination, harassment, retaliation, reasonable accommodation, disability rights or benefits, immigration, wages, hours, overtime compensation, child labor, hiring, promotion and termination of employees, working conditions, meal and break periods, privacy, health and safety, workers' compensation, leaves of absence and unemployment insurance.
 - 4.2. Distributor, or any person employed by it or acting on its behalf, shall not manufacture, assemble or package products, shall not provide any service, and shall not engage in any activity, in connection with the delivery of its obligation towards Cellebrite, through the use of forced labor, prison labor or forced or illegal child labor.
 - 4.3. Distributor, or any person employed by it or acting on its behalf, shall not trans-ship any products for the purpose of mislabeling evading quota or country of origin restriction or for the purpose of avoiding compliance with forced labor, prison labor or child labor laws.
5. General
 - 5.1. References herein to the term "Distributor" shall include any of the Distributor's direct or indirect parent, subsidiary and affiliated companies, and their respective successors and assigns.
 - 5.2. References herein to the term "Government Official" shall include: (i) any elected or appointed government official; (ii) any employee or person acting for or on behalf of a government official, agency, or enterprise performing a governmental function; (iii) any political party, candidate for

public office, officer, employee, or person acting for or on behalf of a political party or candidate for public office; (iv) an employee or person acting for or on behalf of a public international organization; (v) a physician being reimbursed by government funds; or (vi) any other person who otherwise falls within the concept of government official under local laws.

- 5.3. Where the Distributor becomes aware of any potential breach of this Undertaking, it should report this immediately to Cellebrite in writing.
- 5.4. Distributor shall vigorously enforce compliance with this Undertaking and shall take disciplinary action against any employees who breach this Undertaking.
- 5.5. Distributor acknowledges that the provisions of this Undertaking serve as an integral part of any agreement, written or oral, with Cellebrite. Should the Distributor fail to provide notice as required under clause [5.3] above, or should Cellebrite determine, in its sole discretion, that the Distributor is in breach of this Undertaking, Cellebrite shall have the right to immediately terminate any agreement with Cellebrite by written notice to the Distributor.

EXHIBIT AC1/20

Northumbria Police, and West Yorkshire Police, and Metropolitan Police forces local guidance and policies related to their use of mobile phone extraction technology.

Freedom of Information Act 2000 (FOIA) Request 056/17 - Data extraction

ACESO Mobile Phone Examinations – Guidance for Supervisors

From early November 2014 Northumbria Police will have ACESO examination Kiosks that will enable trained officers to examine mobile phones and devices that may have previously been submitted to the Hi-Tech Crime Unit. The force will have 6 units- three new ones based at Forth Banks, Bedlington and Southwick. There are also units at HTCUC, Middle Engine Lane and Gateshead.

ACESO (*pronounced ack-ee-soh*) mobile phone reading equipment, made by Radio Tactics Ltd, can read mobile phone handsets, SIM cards and memory cards. The intention behind introducing this equipment is to provide a local capability for officers to examine mobile phones quickly. It is an additional capability to that provided by HTCUC.

Staff from a variety of roles have been selected and trained to conduct examinations utilising the ACESO equipment. A list of those staff members who are trained will be available via the HTCUC web page. A significant benefit of this capability will be the ability to examine a mobile phone and obtain an evidentially sound report whilst a suspect is still in custody. In any case, where an examination can be conducted it will avoid the delays which frequently arise when a submission is made to HTCUC.

All submissions for ACESO mobile phone examination must be authorised by a supervisor; Sergeant or Inspector.

Computer-based electronic evidence is subject to the same rules and laws that apply to documentary evidence. This also applies to mobile phone handsets, SIM cards and memory cards.

There is no statutory power to 'examine' any item under PACE. Powers exist to seize (e.g. S19, S32, etc.) and retain for examination (e.g. S22) but the power to examine is drawn from common law powers.

This may be a useful analogy:

A person is arrested on suspicion of drug dealing. At custody, a diary which was in that person's possession is lawfully seized by the investigating officer. The diary is opened and its contents read to see whether or not evidence of an offence is present. In principle, the procedure for examining a mobile phone is no different. Although some of the data stored on a mobile phone constitutes 'communications data' in that it records the contact identity of calls made and received, accessing this information can be lawfully achieved through PACE search powers. Therefore *RIPA does not apply*.

Divisional examination of a mobile phone can only take place if the exhibit has been lawfully seized or the exhibit is to be examined with consent (e.g. a victim or witness).

Form ACESO1 - Request for ACESO Mobile Phone Examination

All requests will be made on a Form ACESO1 - Request for ACESO1 Mobile Phone Examination. This can be found on the Crime/HTCUC web page

The ACESO1 form must be completed by the investigating officer. It is their responsibility to précis the case and to justify the examination of each exhibit within the context of the case they are investigating. They will also be required to explain how the data types requested are proportionate and necessary in that particular case.

Sergeant or Inspector should only authorise the requested examination if satisfied that:

- the exhibit has been lawfully seized (or consent has been given); and

- examination is justified; and
- the data types requested are proportionate.

When considering an application the supervisor should have regard to factors like: How is the exhibit attributed to the subject?

What is the likely relevance of material on the phone to the investigation?

Are the data types requested proportionate and necessary?

The Sergeant or Inspector must authorise the request by signing the ACESO1 form and making comment; As an example;

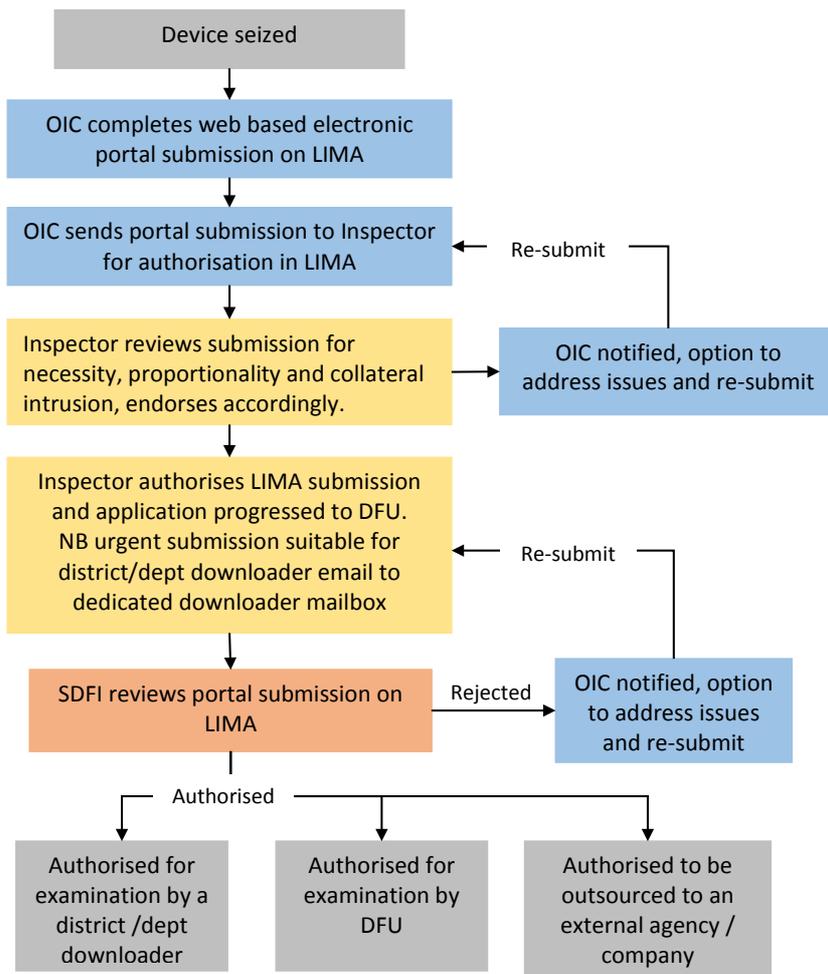
Based on the information provided to me by (OIC), I am satisfied that the action proposed is justified for the enquiry, proportionate to what is sought to be achieved and that the activity does not require an authority for Directed or Intrusive surveillance. I authorise the examination of the device for the download of the data requested above.

If, after discussion with the OIC, the Supervisor is willing to authorise acquisition of some, but not all, of the requested data types, this should be made this clear in the comments section. Although the form is an electronic form on the web page it must be printed off by the OIC and presented to Sergeant or Inspector to authorise and sign. This form ACESO1 does not need to be submitted to the HTCUC but will be retained by the OIC as case papers (Unused in most cases)

If for some reason the device needs to be progressed for examination to the HTCUC then the usual HTCUC1 form should be utilised and the request sent to the HTCUC by email.

***The ACESO1 form is simply a record of the request and authorisation to examine a device on the ACESO kiosks.

Flowchart – Submission



Principles

- Train and authorise and maintain competency of officers and staff to ensure mobile digital devices are only downloaded by approved staff (see **district and department downloaders list**) using equipment which will be maintained by DFU.
- Provide a two-tier mobile device analysis capability. Depending on the service required this might take place:
 - at the DFU; or
 - in districts and specialist department police buildings.

Mobile device downloaders

District and departmental downloaders are responsible for:

- Conducting examinations and maintaining ongoing competency in accordance with the standard operating procedure for district and department extraction 6.5.2.7 in the **17025 Quality Manual**.
- Ensuring the equipment is only used for conducting authorised examinations of mobile digital devices.
- Only conducting examinations which have been authorised by an inspector and (unless urgent) which have been sent as an offline LIMA package by an SDFI from DFU to the dedicated district and department downloaders mailbox.
- Only using their personal WYP issue pen drive for transferring offline packages to and from the downloader's mailbox to the dedicated laptop.
- Ensuring that the offline LIMA package is updated at the end of the examination(s).
- Reporting any damage, screen alerts or malfunction of the equipment to the DFU technicians immediately and ensuring the equipment is not used until the issues have been addressed. They must **not** update the UFED touch equipment or laptop.
- Requesting help from DFU via a web based portal application on LIMA, if they:
 - don't have the capacity to undertake the work;
 - can't enable the power supply or there is some technical issue which prevents examination;
 - need the device to be assessed or repaired and returned so that they can download it.

NB DFU are unlikely to undertake the examination work unless it is in connection with a serious crime.
- Downloading mobile devices, sim cards and tablets **only (not satellite navigation equipment)** as long as these are not known or suspected to contain IIOC.
- If they discover IIOC, immediately notifying the OIC and submitting the device/enquiry to the DFU.
- Downloading the data from their laptop/portable hard drive onto a protectively marked and encrypted WYP embossed discs.

- Backing up their laptop/portable hard drive at DFU on a quarterly basis or as soon as it's at full capacity.
 - Controlling movement of the disc(s), as it is an information asset containing personal data, by:
 - recording it on Niche and controlling movement as property through the property stores; or
 - making it subject of a Document entry on Holmes so movement of the disc is controlled via a booking in and out system by Holmes staff/ISOs (who will use a separate securely stored document box labelled "Cellebrite Phone downloads").
 - Reporting the loss of a disc(s)/USB or hard drive containing personal data produced from a download that was in their possession to the Information Security Officer and completing a **Security Incident Report**.
 - Not producing any further copies of a disc /USB which has been produced when a disc is lost unless authorised by the Information Security Officer.
 - Notifying the DFU technicians if they move internally within the Force, change their personal details or change role.
 - Notifying the DFU technicians if they fail to maintain their ongoing competency or stop conducting examinations in a period exceeding six months.
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Creating Branch Code and Operational Command Unit/Directorate	Digital Cyber & Communications (DCC), Forensic Services
Summary/Purpose	The purpose of this document is to provide a Local Working Instructions (LWI) for Police Officers and SSE kiosk users when submitting digital devices for SSE kiosk forensic examinations
Date Issued	
Review Date	
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Version	Date	Additions/Modifications	Prepared/Revised by
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1.1	01/03/2016	Amendment	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px;"></div>

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1. Purpose

- 1.1 This guidance document describes the process for the lawful examination of digital devices¹, seized during the course of and an investigation using the Digital, Cyber and Communications (DCC) Self-Service Equipment (SSE), also know as Digital Forensic Kiosks (DFKs). This document outlines the following:
- o The submission process for digital devices for SSE kiosk forensic examination (LEVEL 1); **HOW** and **WHEN** to escalate to a Level 2 (Digital Hub) or/and Level 3 (DCC Central Laboratory) forensic examination for digital devices (see Figure 1 and 1.1 refers)
 - o Best practice to be adopted to around the seizure of digital devices requiring forensic examination
 - o Guidance to Police Officers and SSE kiosk examiners on actions to be taken on completion of a SSE kiosk forensic examination
- 1.2 In addition to the above, this Local Working Instruction (LWI) will enable a consistent and lawful method of processing the personal data obtained from digital devices during the course of and investigation. This LWI aims to ensure our processes are compliant with our obligations under legislation such as Criminal Procedures and Investigation Act 1996 (CPIA), Data Protection Act 1998 (DPA), Human Rights Act 1998 (HRA) and also the Management of Police Information Code of practice 2010 (MOPI).

2. Introduction and Current Position

- 2.1 The SSEs² are located through out the Boroughs within the Metropolitan Police boundaries. Each SSE will have a nominated Single Point of Contact (SPOC). The SPOC will assist the DCC, Forensic Services, in the management and compliance of the SSE facilities, those activities will include:
- o Location of SSEs and logistical support (e.g. access to an Aware, printer and phone)
 - o Provision of secure exhibits storage
 - o Point of liaison between DCC and accredited SSE kiosk users
 - o Ensure that provisions are in place around consumables (e.g. DVDs/CDs Exhibit bags, Hazard tape, fingerprint do not touch labels)
 - o Establishing a process for alerting SSE accredited kiosk users when exhibits require examination
 - o Establishing a process with other triage SSE SPOC colleagues to manage shared SSE facilities
 - o Maintenance and publication of list of trained SSE examiners
 - o Review of SSE accredited kiosk user compliance and provide escalation, if required; between DCC management team and operational policing

¹ Mobile devices, media cards/USB sticks, SIM cards, Satellite Navigation Systems, Tablet devices

² Currently 50 kiosks, to be increased to 90 SSE kiosks by 2016-17

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- 2.2 Details of accredited SSE kiosk examiners can be found by contacting local SPOCs, DCC digital hubs or and the DCC Website.³

3. Scope & Environment

- 3.1 Whereby digital devices are seized during the course of an investigation the capability is available to conduct a forensic examination using the SSE kiosks by trained and accredited kiosk users. SSE kiosks must not be used for the examination of exhibits seized during covert investigations, when there may be legal, journalistic or confidential personal information on the device. **If in doubt seek advice form the one of the DCC digital hubs or DCC central laboratory.**
- 3.2 Submitting directly to DCC digital hub or DCC central laboratory
Submission of exhibits directly for a level 2 or/and level 3 forensic examination will be accepted in cases where:
- 1). The exhibits for examination are contaminated with biological/chemical hazards (warning labels should be clearly visible on packaging)
 - 2). Voicemail is required
 - 3) Digital device has been attempted on the SSE kiosk, and is not supported, or the acquisition of data has not been successful on the SSE kiosk
 - 4). Examination has been attempted on the SSE kiosk and additional specialist examination is required
 - 5). Following a charging decision where a not guilty plea is entered, an exhibit requires further evidential analysis if the SSE kiosk evidential product (i.e. the SSE kiosk examiner, OIC statements and exhibited report/section of the report) is relevant and disputed
 - 6). When it is **KNOWN** that the device is security locked upon seizure, and unlocking is not supported by the SSE kiosk, can be escalated to DCC digital hub or DCC central laboratory. If a device is known to be security locked upon seizure the OIC can still submit the media card and SIM Card, if fitted, for a SSE kiosk examination; as this may provide sufficient evidence/intelligence for the purposes of that investigation, even though the device may be security locked
- 3.3 If unsure what level of forensic examination a submission is required then contact your local DCC digital hub who will be able to advise on the best course of action in relation to digital submissions.

3

http://intranet.aware.mps/SC/Forensics/OCU_Sites/DEFS/Self+Service+Equipment+%28SSE%2c+also+called+Digital+Forensic+Kiosks%29.htm

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4. Application and Responsibilities

- 4.1 Ownership of LWI: ³
- 4.2 Implementing LWI: All police officers and staff including SSE examiners and DCC and Forensic Services staff.
- 4.3 Approving the LWI: ⁴ Head of DCC.
- 4.4 Review Date: 12 Months

5. Lawfully Obtaining Digitally Held Data

- 5.1 Officers and staff are reminded that only data contained within the device is retrievable using PACE. Any additional actions undertaken by officers or staff to obtain data held on servers or platforms that may be accessible using the device will be treated as unauthorised unlawful access and will be formally investigated. This will include voicemail that has not been pushed to the device and held in an audio file where the required legislation and or consent has not been obtained prior to access. It is, therefore, important that officers and staff follow this guidance fully and refer to DCC for further guidance or specialist advice.
- 5.2 The lawful process in obtaining digitally held data from personal devices slightly differs depending upon the investigative status of the subject.
Suspects: An officer can exercise his/her powers under PACE in obtaining material which is relevant to an investigation.

Victims and Witness: Where a device has been provided to police, either by a victim or witness, in order to identify data that may be relevant to an investigation or evidence of an offence the **Form 107** (found on the forms website) must be completed and "explicit consent" obtained prior to the examination taking place.
- 5.3 Where consent is not provided, and the investigation necessitates the need for the MPS to access certain information held on that device (in order to prevent or detect a crime or apprehend an offender), an officer may consider exercising his / her powers to obtain the required information. In such circumstances, full justifications must be recorded on the CRIS system. Where a legitimate power does not exist, the officer will not, under and circumstances, attempt to obtain material from the device in question.
- 5.4 In cases where the acquisition of data from the device fails and the device has to be submitted or escalated then a copy of the Form 107 must accompany the submission to ensure that data is not acquired if consent has not been given to its acquisition.

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If consent has not been given, and the officer has exercised their discretion under their statutory powers to seize the device, this explanation should accompany the submission of the device if escalated from a Level 1 type examination to a Level 2 or/and 3 type examination.

6. Seizure & Packaging

6.1 Seizure:

When recovering a mobile device where a forensic examination is required, seizing officers, where practical are use to use the **Form 106**, which is available via forms on the internet. The form provides full guidance in relation to the seizure and correct packaging of mobile devices for the packaging of mobile devices for forensic examination; it includes provision around DNA and Fingerprint presentation.

6.2 Packaging:

The integrity around packaging of exhibits, is based around the acceptance of risk, but **ANY** submission that could involve dual examination **MUST** be boxed to give the best chance of maintaining the forensic integrity of the device for fingerprints or/and DNA.

7. SSE submission process overview for Officers using Level 1 Service

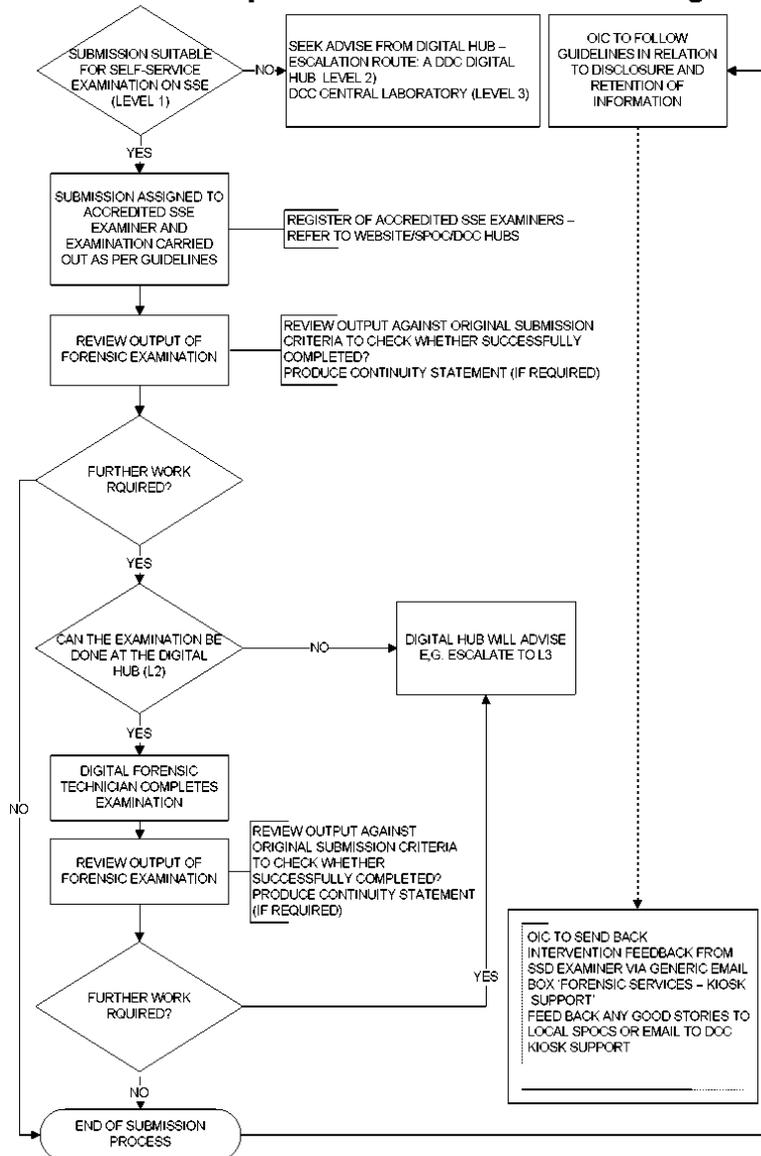


Figure 1. Overview of submission process for Officers submitting to Level 1 service (SSE)

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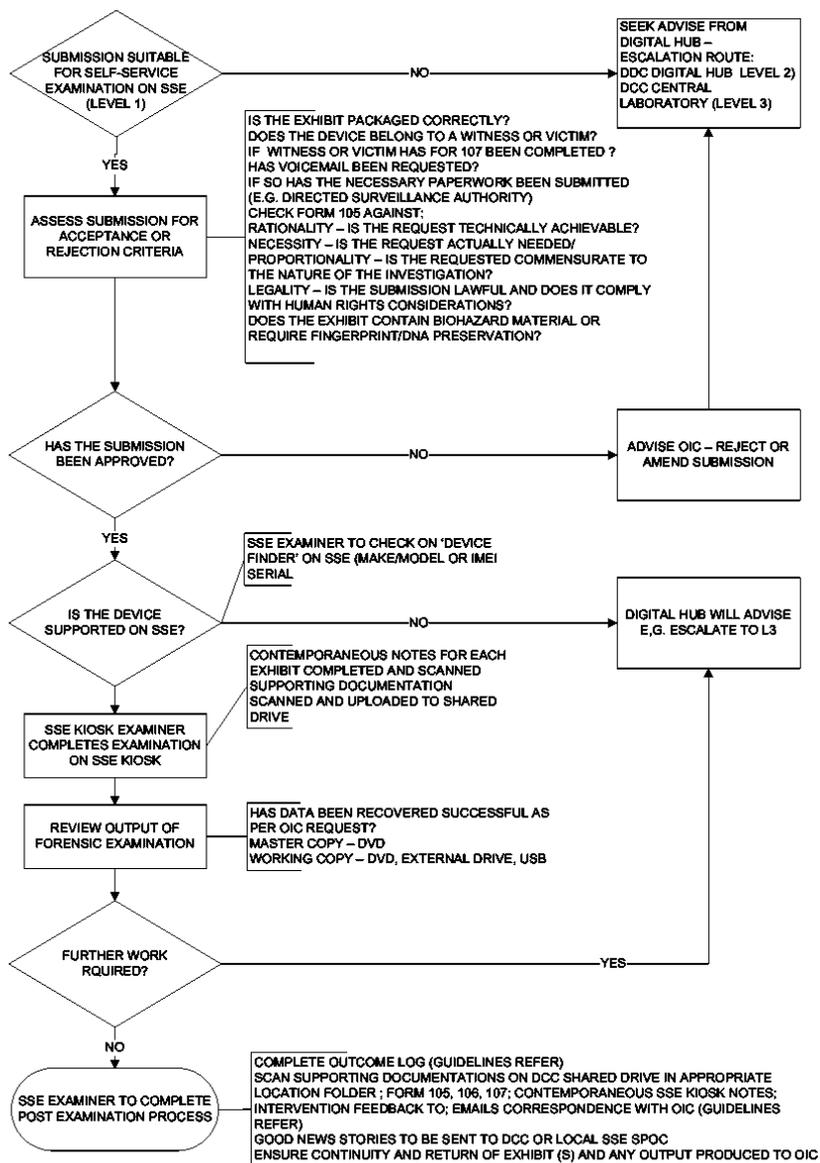


Figure 1.2 Overview of SSE submission (Guidance for SSE kiosk examiner)

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- 7.1 Figures 1.1 and Figure 1.2 is a generic overview of the submission process, and provides guidance and considerations for both the submitting officer and SSE kiosk examiner when submitting a digital device for a forensic examination. A detailed description of some of those submission processes are covered in this guidance document.
- 7.2 Throughout the submission process communication between the investigating officer and the SSE kiosk examiner should be encouraged so that resources and time are managed effectively and decisions managed to avoid delays to the investigation and to achieve the best possible outcome.
- 8. Considerations when submitting for a Level 1 (SSE), Level 2 (Digital Hubs), Level 3 (Central Laboratory)**
- 8.1 Where practical and supported, in the first instance, the investigating officer is to use the SSE kiosk facility for the forensic examination of digital devices (where not reference back to Paragraph 2 of this document).
- 8.2 DCC Digital hubs can be tasked direct, however they will prioritise on a case by case basis, whether SCO or TP Tasking, submission criteria will be based on:
- o Life at risk
 - o Those submissions whereby the suspect or suspects are in custody and the examination will assist a charging decision
 - o Those submissions whereby vulnerable witness and/or victims have been identified
 - o Those submissions which involve a short bail to return timescale and the examination will assist in a charging decision or assist in the investigation
 - o Those submissions whereby data (such as CCTV footage) will be lost or it time sensitive
 - o Those submissions whereby data is required for court with very short timescales
- 8.2 There will be circumstances whereby a submission may not be suitable for a Level 1 type examination using the SSE kiosk; some of those reasons are listed below:
- Security locked devices**
- If the OIC is unable to obtain the handset security code from the owner/user and there is still a requirement for this exhibit to be examined, the triage process is as follows:
- o Through the 'Device Finder' application available on the SSE kiosk; searches of supported makes and model of mobile devices and applications can be made and also provides information whether a particular digital device can be 'unlocked' by the SSE kiosk
 - o Where practicable, seek advice from one of the digital hubs, it may be that the device can be submitted directly to the digital hub or escalated to DCC central laboratory

Not Supported by Digital Hub

The examination cannot be completed using the forensic tools available at the digital hub.

Specialist Examination (further work required)

If review of the report generated from either the kiosk or/and the DDC digital hub forensic examination identifies specific data requested (e.g. non standard messaging application or media files) that has not been acquired by those processes, and this information is still required to support the investigation can be escalated by the investigation officer to the DCC central laboratory. The exhibit can be submitted to DCC central laboratory for specialist examination using the eMGFSP submission process. Advice from the digital hub should be included in the submission and will be subject to a further assessment for proportionality and rationality. If the exhibit is being submitted for potential deleted SMS messages the OIC is advised that this request must be supported by itemised billing data from the CIU (Communications Intelligence Unit).

Specific Evidential Analysis

If, following the charging decision the defendant enters a plea of not guilty and the digital forensic evidence obtained at the kiosk or digit hub is disputed, the exhibit will require submission the DCC central laboratory for specific analysis to address the issues in dispute. A submission should be made via the eMGFSP submission process. All work undertaken by either the kiosk or/and DCC digital hub in association with the disputed exhibit should be submitted along with the eMGFSP request.

Illicit Images of Children (IloC) Submissions

Due diligence should be carried out by both the investigating officer and the SSE kiosk examiner to Illicit Images of children (IloC) being discovered during the forensic examination process. The SSE Kiosks can be used for IloC submissions; however, the device (s) may need to be escalated to DCC using the eMGFSP submission process⁴ whereby advance extraction or/and provenance may be required.

The SSE kiosk has encryption enabled, whereby the extraction process and subsequent output from the SSE kiosk is protected and can only be viewed or access with a password The SSE kiosk examiner also has the ability to exclude the extraction of specific data-sets during the course of a forensic examination and only filter⁵ out the information as specified or requested in the submitted documentation. **On NO circumstances is IloC material to be viewed on the AWARE system.**

- 8.2 If a submission involves a large number of devices, or/and is complex in nature, or/and is an ongoing investigation then the investigation officer should seek guidance and advice from the regional *Digital Strategy Advisor (DSA)*. The DSA can advise upon a digital forensic strategy to identify and maximise opportunities, obtaining best evidence, assist in the coordination and allocation of resources to that investigation.

⁴ If SSE kiosk has been used, then examination references and exhibit produced should be included

⁵ Sub reporting, only exporting information whereby consent has been obtain (Form 107)

8.3 Whereby a submission has already been undertaken by a digital hub, any escalation to the DCC central laboratory e.g. whereby additional work has been agreed, the process will be managed by the digital hub in consultation with the investigating officer and DCC staff.

9. Submission process - guidance for Police Officers and SSE examiners

9.1 Submission to the SSE kiosk will be via a *Form 105*, the submission process to the DCC digital hub and DCC central laboratory will be via a Form 105 or eMGFSP⁶ depending on the forensic service requested.

9.2 Both the eMGFSP and Form 105 process requires the investigating officer to document the rationale for the specific information required from the device to assist in the investigation, giving due consideration to the proportionality and legality of the request.

9.3 The eMGFSP is the main forensic submission form that is submitted through the Goddard system. The Form 105 was a form used for the Territorial Policing mobile phone examination project and is now used to undertake forensic examinations on the SSE kiosk. Both methods of submission will be used in the medium term until the delivery of a new case management system.

9.4 Where voicemail retrieval has been requested and the exhibit belongs to a victim, 'explicit consent' has to be obtained prior to the examination taking place. In other circumstances 'directed surveillance authority' has to be obtained prior to the examination taking place.

9.5 If the exhibit has been seized from a suspect or defendant then the investigating officer must provide a custody or CAD reference for that exhibit seized: failure to provide this information will result in the submission being rejected.

9.6 Rejected Submissions:

A SSE kiosk examiner will reject examination requests where the following requirements are not met:

- o Exhibits have not been packaged in accordance with best practice
- o Relevant information has not been provided on the request form

If a submission is rejected by the SSE kiosk examiner the investigating officer will be notified by the kiosk examiner. The reason for rejection will be documented on the request form, the Book 105 updated and the exhibits returned to the OIC/secure storage.

It is the responsibility of the investigating officer to address the reason for rejection (e.g. not proportionate or rational provided in reasons for request) and re-submit the request. If necessary a new TP Phone Examination Request form 105 will need to be completed for the resubmission.

⁶ Computer examinations -eMGFSP only; Phone examinations Form 105 & eMGFSP; CCTV.Video Form 105 & eMGFSP

9.7 Terminated Examinations

It may be necessary for the SSE kiosk examiner to terminate the examination during the process. Examinations may be terminated for the following reasons:

Locked Handsets

The examination process may reveal the exhibit is PIN or handset locked. If PIN or handset security codes are not recorded on the request form, the examiner will not be able to proceed with the examination. Examination of the exhibit will be terminated, the Book 105 updated and the exhibit returned to the OIC/secure storage. The kiosk examiner will notify the OIC and complete the relevant PIN/PUK or Handset Lock information request form.

It is the responsibility of the OIC to request the PIN information from the owner/user or, if unavailable, the PUK information from the CIU.

On receipt of the PIN or PUK code the OIC must update the request form and resubmit the exhibit for examination. It is the responsibility of the OIC to obtain any handset security codes from the owner in the first instance. If the OIC is unable to obtain the handset security code from the owner and there is still a requirement for the exhibit to be examined it can be submitted to DCC using the eMGFSP submission process.

Non-supported Handsets:

There may be occasion where an exhibit submitted for examination is not able to be examined using the SSE kiosk. If an examination is not supported by the SSE kiosk the process will be terminated and escalated to one of the regional DCC digital hub central. The Book 105 should be updated and the exhibit returned to the OIC/secure storage. The kiosk examiner will notify the OIC.

C. Illicit Images of Children:

The SSE Kiosk can be used for Illicit Images of children (IloC) submissions; however, where a submission is not related to IloC, due diligence should be carried out by both the OIC and the Kiosk examiner to IloC being discovered during the forensic examination process. The SSE kiosk examiner has the option to terminate the process, sub-report without exporting the IloC media. If exported the SSE kiosk examiner is to follow local policy around IloC and return the original exhibit to the OIC. Please note that the SSE Kiosk will only do a logical⁷ only extractions, so if deleted data or further provenance is required a further submission can be made to DCC using the eMGFSP process.

9.8 Completed Examinations:

The examination output from each exhibit using a SSE kiosk will be produced a Master Copy output. A Working Copy can be exported on different storage media including, USB media and external storage on the SSE kiosk.

The Master Copy is the SSE kiosk examiners exhibit and will be sealed and exhibited (local policy applies) and returned to the OIC on completion of the forensic examination. The master copy must be retained for disclosure in the event it is required by a defence expert.

⁷ Logical refers to data which may viewed or stored on the device - does not include deleted data

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The working copy will be and returned to the OIC and can contain the following formats:

- o PDF File - data extracted presented in a report format, for use by OIC.
- o XRY MSAB encrypted Output⁸
- o Excel Output
- o MSAB Viewer (which the allows the content to be viewed in a reportable format)

If the SSE kiosk XRY container is exported (both within the Master and Working copy), will contain an executable SSE kiosk 'viewer' application that allows the user of the end product to view the information as seen on the SSE kiosk. The end user has the ability to produce sub-reports from the original data extracted by the SSE kiosk examiner.

- 9.9 On completion of the examination process the SSE kiosk examiner will notify the OIC. Processes and procedures around continuity of the original exhibit and any exhibits produced will be down to the local policy of the SSE kiosk location.⁹

10. Data Retention - Guidance for Police Officers and SSE kiosk examiners

10.1 Retention or destruction

During the investigative or trial process the data will be reviewed in order to ascertain if it should be retained in furtherance of our policing purposes. Such examples can include the following:

- o The purpose of further reviews or future investigations
- o Judicial reviews or other civil litigation
- o CPIA, MOPI, and DPA compliance
- o Intelligence

- 10.2 Where data is considered to have no policing purpose then the organisation has a statutory obligation to delete that data. It is acknowledged that the manner in which data is acquired and delivered to investigators may make the division of individual files or data strings within the acquired data impossible to separate into irrelevant and relevant material. However, where the entire file has been considered and a decision is made that the material has no investigative, intelligence or evidential value then it must be deleted, in line with the METSEC Code, the 'Information Considerations when Repairing, Re-using or Disposing of ICT Equipment and ICT Storage Media SOP, and the MPS Review, Retention and Disposal Schedule within the MPS Records Management Manual.

- 10.3 It is recommended that a succinct but clear note relating to the retention or destruction of digital material is placed within the CRIS report outlining the rationale for retention or destruction of the material obtained

⁸ XRY MSAB output is an encrypted container which contains the acquisition photos taken during the forensic examination and selected output files of the extraction of the digital device - the container can only be opened with a password as generated by the SSE kiosk examiner who undertook the forensic examination

⁹ Continuity around securing, booking-in and out of exhibits will be down to local policies as implemented by the SSE kiosk SPOC

10.4 Handling Irrelevant Data

When a SSE kiosk is used to obtain electronic data from a mobile device, it will obtain all data of a particular type, rather than just the individual data that is relevant to a particular investigation. For example, if a photograph on a 'witness' mobile phone is relevant, because it shows an offence being committed, then the kiosk will acquire all photographs on that phone, rather than just the photographs of the offence. If text messages to a victim of harassment are required to investigate the harassment allegations, then kiosk will acquire all text messages on that phone, rather than just the relevant individual messages or text conversations. This collateral irrelevant data is inextricably linked to relevant data at the time it is obtained. As much of this collateral irrelevant data will amount to personal data of the victims, witnesses and suspects that it was obtained from, the MPS must ensure that working practices do not infringe on the privacy rights of the individuals whom the data was obtained from. Those rights are protected by the Human Rights Act 1998 and the Data Protection Act 1998.

The following paragraphs set out the requirements for dealing with this type of collateral irrelevant inextricably linked data:

- When a SSE kiosk is used to acquire data from a mobile device, a copy of that data will be stored as an exhibit copy on a CD/DVD and another copy will be stored as a working copy on a storage media
- As the exhibit will only be accessed and used to establish the provenance of the evidence contained on it, there is only a minimal engagement of the right to privacy in respect of any collateral data contained on that exhibit CD. That minimal engagement of the right to privacy will not amount to a breach of the HRA or DPA because it is necessary to prove the integrity of the evidence obtained from the mobile device
- The working copy of the master copy is where the most care must be taken. Whilst irrelevant data may be inextricably linked to relevant evidence, it is likely that it will be possible to separate the collateral irrelevant data from the data that is considered to be relevant. This will enable the investigator to review and delete information during / at the conclusion of the investigative / or judicial process
- This process will allow the organisation to avoid inadvertently breaching the HRA and DPA because irrelevant personal data that can be, will be separated from other material and appropriately dealt with at the earliest possible stage

11. Disc Handling and Using Reports

11.1 Creation of Discs

Following a successful forensic examination on a SSE kiosk, the default option for the SSE kiosk when exported a Master Copy will always be a disc. The Working Copy can be disc, USB thumb drive or external storage.

The Master copy is the Examiners exhibit and should be exhibited by the SSE kiosk examiners using the following naming convention (See figures 2.1 and 2.2 example of naming convention). Both Master and Working copies should be labelled with the following details:

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- RESTRICTED (if applicable)
- CRIS reference number (or custody if no CRIS available at time of examination)
- Disc exhibit reference your initials/unique identifier (e.g. EJF/1)
- Note of original exhibit examined to denote where the information came from and a brief description of what is contained on the recorded media (e.g. handset reports)



Figure 2.1 Naming convention of CD/DVD Master Copy



Figure 2.2 Naming convention of CD/DVD Working Copy

The Master copy should be labelled. Sealed in an evidence bag the SSE contemporaneous notes updated. The working copy should be labelled and placed in a protective cover and the SSE contemporaneous notes updated.

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Both the Master and Working copy of the discs should be handed to the OIC along with the original exhibits. The discs should be entered into the Book 105 as one new entry. The 105 reference for the discs should be cross referenced in the Book 105 under related 105 entry column in order the OIC can identify his/her relevant discs. It is suggested the sealed and exhibited discs are placed in an unsealed bag with the original exhibits to keep the submission together. Update your notes with the disc exhibit 105 reference numbers.

11.2 Disc handling and storage of information

On receipt of the Master Copy must be retained for the purpose of Integrity, continuity and disclosure in the event it is required by a defence expert or/and the material is reasonably challenged and/or disputed. The content of the working copy¹⁰ can be reviewed by the investigating officer to establish the relevance of any data to the investigation. **UNDER NO CIRCUMSTANCES SHOULD FILES, EXERTS OR COPIES OF FILES FROM THE MEDIA EXPORT BE SAVED TO PERSONAL FOLDERS ON THE AWARE SYSTEM.** Reports generated from the Kiosk output will be stored on a designated folder as dictated by local policy and access rights for the OIC to review specific case data will be the responsibility of the designated Information Managers¹¹. Officers should contact their Information Managers to arrange creation of and access to the shared drive folder¹². Any documents¹³ created by the OIC in the course of the investigation e.g. exerts of reports from the original output, **must be stored within this shared drive.**

11.3 If there is a requirement for the data to be stored 'out of Information Managers office hours' (e.g. where an expert of the report is required for an urgent charging decision) then it may be **temporarily stored** by the OIC to a personal folder. The OIC **MUST**, at the same time email the Information Manager requesting shared folder creation and access. On notification from the IM that the shared folder is created, the OIC **MUST IMMEDIATELY** files all the documents into the shared folder and deletes the copy stored in the personal folder. It is the responsibility of the OIC to adhere to this lawful order. Once the data has been copied to from the disc to the shared drive, it should be retained in accordance with the MPS Review, Retention and Disposal Schedule within the MPS Records Management Manual.

11.4 Using reports

Content of the report can be used during the interview process, submitted to support a charging decision and used as evidence when accompanied by a statement from the kiosk examiner and investigating officer. Information produced from the working copy output (printed report or exerts from a report) will be the investigating officers' exhibit. Kiosk examiners will produce a pro forma statement detailing their actions as part of the examination process. This statement will be made available to the OIC, along with the Master and Working Copy, and original exhibits

¹⁰ Working Copy can be exported onto a CD/DVD, USB Thumb-Drive

¹¹ Information Managers or designated IM personnel

¹² Shared drive - local policy applies

¹³ The Kiosk report output can be XCEL, PDF or MSAB encrypted file container

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Self-Service Equipment facility Local Working Instructions Version 1.1

Interview: The report /exerts of the report can be used during the interview process. A copy of the report/ extract of relevant data from the report should be exhibited by the investigating officer (OIC).

Charging Decision: The investigating Officer can produce a commentary style statement (as per CCTV) to evidence the relevant data from the kiosk generated report. The investigators officers' commentary statement supported by the relevant printed and exhibited sections/pages of the kiosk generated report can be submitted with the kiosk examiners statement as part of the case papers for a charging decision.

PCMH or first hearing: Following a charging decision where a not guilty plea is and the digital forensic evidence is relevant and disputed, it will be necessary to submit the exhibit to DCC for further evidential analysis by a Forensic Engineer to address the areas of dispute.

IMEI and NMPR: The report will contain the detail of the IMEI number. If appropriate this information should be used to check against the National Mobile Property Register as per existing Borough processes.

12. Post examination processes - Guidance for Officers and SSE users

12.1 Post examination processes have been put in place to assist in the capturing of 'key' information on how this end product generated from an SSE kiosk is being used in an investigation. This information allows us to evaluate the effectiveness of the SSE kiosks and supports the ongoing business case for the self-service examination of digital devices.

12.2 Updating Location Databases - SSE kiosk examiners

On completion of a competency assessment SSE accredit kiosk examiners are given access to a DCC shared location on AWARE¹⁴. It is the responsibility of the SSE kiosk examiner to ensure that ALL documentation¹⁵ in relation to the submission e.g. contemporaneous notes, intervention feedback form and email correspondence is either scanned or exported into the generated CRIS folder by the SSE kiosk examiner. Figure 2 to 2.3 show the folder structure in the shared drive:

¹⁴ S:\All HQ Departments\Directorate of Information\DEFS Data\Reports\KIOSKS - LEVEL 1\USERS

¹⁵ Forms 105, 106, and 107; SSE Contemporaneous notes for each exhibit; email correspondence between the OIC and the SSE kiosk examiner who conducted the forensic examination

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Self-Service Equipment Kiosk Local Working Instructions Version 1.1

- ↳ Competency Returns
- ↳ DOCUMENTS
- ↳ Kiosk Location ACTON
- ↳ Kiosk Location BETHNALGREEN
- ↳ Kiosk Location BEXLEYHEATH
- ↳ Kiosk Location BRIXTON
- ↳ Kiosk Location BROMLEY
- ↳ Kiosk Location CAM ROAD
- ↳ Kiosk location CHARING CROSS

(Fig 3.0: Each location with an SSE kiosk will have a folder generated)

- ↳ Submission forms (Scanned 105s, 106s, 107s and Contemporaneous Notes
- ↳ About this kiosk
- ↳ Feedback script for Kiosk examiners
- ↳ Kiosk ExaminerContempNotesHandsetV4
- ↳ KIOSK OUTCOME LOGv3 2 - LIVE - CHARING CROSS
- ↳ Shortcut to ACQUISITION FEEDBACK FORMv4.0
- ↳ Shortcut to Feedback script for Kiosk examiners
- ↳ Shortcut to Kiosk ExaminerContempNotesHandsetV4
- ↳ Shortcut to MG11 Kiosk Operator statement V1.2

(Fig 3.1; showing Sub-folders contained in each individual location folder)

- ↳ Copy of Copy of Master CRIS folder
- ↳ Copy of Master CRIS folder
- ↳ CRIS-6532996_15

(Fig 3.2. showing Sub-folders contained in Submission Forms folder)

- ↳ Contemp notes
- ↳ Emails
- ↳ Submission docs

(Fig 3.3. showing individual folders contained in the template Master CRIS folder)

- 12.3 **SSE kiosk location Outcome Log**
Each SSE kiosk will have an Outcome excel spreadsheet for each location, where there are multiple SSE kiosks in one location then only one location outcome log will exist.
- 12.4 It is the responsibility of the SSE kiosk examiner to ensure that the relevant columns are recorded and updated for each exhibit where an SSE kiosk has been used. **Appendix A** to this guidance document shows an example of an outcome log, guidance which columns in the excel spreadsheet are to be completed by the SSE kiosk examiner. The SSE kiosk examiners are reminded that the majority of these columns are dropdowns e.g. crime types, and free text should not be used where these dropdowns are available.
- 12.5 Compliance in ensuring that the outcome logs are completed correctly will be the responsibility of the nominated SPOC for either TP or SCO for that assigned SSE kiosk examiner.
- 12.6 **SSE Acquisition feedback Form**
On completion of a successful examination, in conjunction with the SSE location outcome log the SSE kiosk examiner will send the OIC an 'Acquisition Feedback Form' and a prepared 'script' which explains to the OIC the importance of completing the acquisition feedback form. **Appendix B** shows an example of a completed acquisition form; also user guidance and the template script which should be included in the body content of the email sent to OIC. It is advised that any email correspondence sent to the OIC is saved onto the sub-set folder of the CRIS folder generated, this provides an audit trail that the SSE kiosk sent an email to the OIC.
- 12.7 **OIC's responsibilities around SSE Acquisition Form**
On completion of a successful examination, in conjunction with the SSE location outcome log, the SSE kiosk examiner will send via AWARE an email of the acquisition feedback form to the OIC.

Appendix B shows an example of a completed acquisition feedback form and provides guidance what tabs needs to be completed by the OIC. The 'Send Response' tab, if used, sends the completed form back to a generic email box called '**Forensic Services - Kiosk Support**' - if done manually then the completed email can be used to send the completed feedback the OIC an 'Acquisition Feedback Form' in relation to the examination undertaken on the SSE kiosk.

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12.8 Completed acquisition forms

Once the acquisition feedback form has been sent, the OIC is requested to review the output (report) produced by the SSE kiosk examiner and send back the completed acquisition form within 10 working days on receipt of the email. If after 10 working days the form has not been completed, a reminder will be sent to the OIC by DCC staff. If after a further 10 working days and no response is forthcoming from the OIC, then the escalation will be to the local SPOC and senior management team to deal with.

13. Statements

- 13.1 The SSE Kiosk examiner is responsible for completing a pro-forma statement for the exhibits examined, in order that the report/relevant content of the report can be used as evidence by the investigation Officer.
- 13.2 A template pro-forma statement can be accessed on the DCC shared drive on AWARE.

14. Useful contact details

- 14.2 DCC digital hub contacts (figure 4 refers) are available to provide technical support and advice regards to SSE kiosk examination procedures and the use of the SSE kiosk. The DCC digital hubs can be contacted Monday-Friday 8am-5pm - none urgent enquiries or feedback can be emailed to the dedicated mailbox **Forensic Services - Kiosk support**
- 14.3 URGENT request for out of hours enquiries for assistance from DCC will be handled by MET Forensic Command (MFC) on Metropolitan

Digital Hub Location	Location covered	Contact Details	Digital Strategy Advisor	Contact Details
Croydon	South/South East	5		
Lewisham	South/South East			
Kingston	West/South West			
Wembley	West/South West			
Edmonton	East/North East			
Ilford	East/North East			
Charing Cross	Central			
Islington	Central			

(Fig 4. DCC Digital Hub contact information)

15. Legislation, Policy and Other Associated Documents

- 15.1 This guidance document provides a summary of our legal obligations set by the following legislation:
- o Police and Criminal Evidence Act 1984 (PACE);
 - o Criminal Justice and Police Act 2001 (including the Supplementary
 - o Attorney General's Guidelines on Disclosure¹)
 - o Criminal Procedure and Investigations Act 1996 (CPIA);
 - o Data Protection Act 1998 (DPA);
 - o Human Rights Act 1998 (HRA);
 - o Code of Practice on the Management of Police Information 2005, and the 2010 Guidance on the Management of Police Information (MOPI)
- 15.2 The processing is further underpinned by the following Codes of Practice, policy and guidance requirements:
- o Forensic Science Regulator's Codes of Practice and Conduct for
 - o forensic science providers and practitioners in the Criminal Justice
 - o System²
 - o ACPO Good Practice Guide for Computer-Based Electronic Evidence 2012
 - o ACPO Authorised Professional Practice (APP) Information Management¹
 - o <http://www.attorneygeneral.gov.uk/Publications/Documents/Guidelines%20on%20digitally%20stored%20material%20July%202011.doc.pdf>
 - o <http://www.homeoffice.gov.uk/publications/agencies-public-bodies/fsr/codes-practiceconduct?view=Binary>
 - o NOT PROTECTIVELY MARKED
 - o ACPO (2005) Guidance on NIM, NIM Codes of Practice & NIM Minimum Standard
 - o ACPO guidelines for Digital evidence
 - o ACPO Data Protection Manual of Guidance
 - o MPS Guidance for Police Officers regarding the use of Territorial Police Mobile Phone Examination Facilities
 - o MPS Information Management Policy
 - o MPS Security Code Manual
 - o MPS Information Code of Conduct (and supporting FAQs)
 - o MPS Information Governance Framework
 - o MPS Information Policy Framework
 - o MPS Data Protection Compliance Standard Operating Procedures
 - o MPS Records Management Manual (including the MPS Review, Retention and Disposal Schedule)
 - o Management of MPS Intelligence Policy
 - o MPS Intelligence Strategy
 - o MPS Intelligence Manual
 - o ACESO guidance for Examiners
 - o Crimint via Metbats
 - o Local property disposal

16. List of Appendices

- Appendix A - Summary of PACE POWER
- Appendix B - Example of and SSE Kiosk Outcome Log
- Appendix C - Example of an SSE kiosk Acquisition form

APPENDIX A; A SUMMARY OF PACE POWER

Section	Summary
Section 18(1)(a)(b)	Constables may enter and search premises occupied or controlled by a person under arrest for an indictable offence for evidence relating to that offence or some other indictable offence which is connected with or similar to that offence
Section 19(1)	These powers are exercisable by a constable lawfully on premises. A constable may seize anything on the premises he has reasonable grounds for believing has been obtained in consequence of the commission of an offence or is evidence relating to any offence AND it is necessary to prevent it being concealed, lost, tampered with or destroyed. However, Officers must note s19(6): No power of seizure conferred on a constable under any enactment (including an enactment contained in an Act passed after this Act) is to be taken to authorise the seizure of an item which the constable exercising the power has reasonable grounds for believing to be subject to legal privilege.
Section 22	Provides that anything seized for the purposes of a criminal investigation, including a mobile phone, may be retained for use as evidence at a trial for an offence or forensic examination or for investigation in connection with an offence.
Section 32(2)(a)	A constable shall have power to search an arrested person for anything which might be evidence relating to an offence
Section 32(2)(b)	If the offence for which he has been arrested is an indictable offence, a constable may enter and search any premises in which he was when arrested or immediately before he was arrested for evidence relating to the offence
Section 54	A custody officer shall ascertain, or cause to be ascertained everything a person has with him on arrival at a Police Station (under arrest or voluntary attendance). A custody officer may seize and retain items in the person's possession if the custody officer has reasonable grounds to believe that they may be evidence relating to an offence or believes that the person from whom they are seized may use them to cause injury, damage, escape, or interfere with evidence

APPENDIX B: EXAMPLE OF AN SSE KIOSK OUTCOME LOG

Columns A - W

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
Event	Crime Type	Crime reference	Reference number	Operation Name	Suspect in Custody	Device Exhibit Reference	Taken from	OIC	OIC WARRANT	OIC DEPT/ Borough	XRY Reference	Item types	Value of Acquisition Data to Investigation	Other information	FEEDBACK Request sent	Date Sent	Date Received					
8																						

Columns A - M

A	B	C	D	E	F	G	H	I	J	K	L	M
1	Event	Crime Type	Crime reference	Reference number	Operation Name	Suspect in Custody	Device Exhibit Reference	Taken from	OIC	OIC WARRANT	OIC DEPT/ Borough	XRY Reference
2	Event	Crime Type	Crime reference	Reference number	Operation Name	Suspect in Custody	Device Exhibit Reference	Taken from	OIC	OIC WARRANT	OIC DEPT/ Borough	XRY Reference
3												
4												

Columns N- W (Columns Q and W will be populated on receipt of the FEEDBACK request form if sent by DCC staff)

N	O	P	Q	R	U	V	W
Item types	Value of Acquisition Data to Investigation		Other information	FEEDBACK Request sent	Date Sent	Date Received	
SIM	Device	Memory card					
Y	Y	N	Information useful to charge	Data looks like it will be useful to charge	Y	03-Nov-15	05-Nov-15

APPENDIX C; EXAMPLE OF AN SSE ACQUISITION FEEDBACK FORM

A B C D E F G H I J K L M N O P Q R H

Please select relevant result from the list of exhibits.

Please select a response for each of the listed exhibits. Note that only the **purple** boxes need to be completed.

SELECT THE LOCATION OF EXAMINATION:

A Charing Cross - Hub

CRIS No	Exhibit No	What is the Value of Acquisition Data to	Comments
		Information useful to charge	Text messages showed association and supply of drugs and assisted in the charging decision
		Information identifies an alternate line of enquiry	
		A	B
		Value of exhibit data extraction Please select the appropriate response for THIS exhibit.	

When complete please click Send Response. When prompted please click 'YES' and then save and close this form. Note that if no location is selected the button is disabled.

B
Send Response

Guidelines for OIC Kiosk and SSE kiosk examiner

- A** = Indicates what needs to be completed by the SSE Kiosk examiner before sending the acquisition feedback form to the OIC:
 - o Select the location of Examination: Select the location where the examination took place (Drop Down)
 - o CRIS No: one entry for each exhibit examined
 - o Exhibit No: one entry for each exhibit examined

- B** = Indicates what needs to be completed by the OIC when received from the SSE kiosk examiner:
 - o What is the Value of Acquisition Data to: This is a drop down tab - select the appropriate response
 - o Comments: What specific in the report was of value and how it assisted, free text tab
 - o Send Response (Tab): The tab sends the intervention feedback form back to a generic email box 'Forensic Services - Kiosk Support', where the DCC staff will update the location outcome log where that examination was undertaken

**APPENDIX C; EXAMPLE OF AN SSE ACQUISITION
FEEDBACK FORM**

Email Template sent with Acquisition Feedback Form

Dear (OIC Name),

Please find attached an 'Acquisition Feedback' form which relates to work recently conducted using the front line Kiosk support.

Feedback is important. It is essential as an organisation; we are able record accurate interventions in relation to the work undertaken, and also the value/relevance of the acquisition data to the investigation. Good news stories are generated from the feedback which is disseminated to SLT members at both a local and corporate level.

In order to navigate the form has been designed with 'simplicity' in mind; under the 'value of Acquisition Data to' tab, there is a drop down of each exhibit examined: (1) Information useful to Charge (2) Information useful to eliminate (3) Information identifies an alternate line of enquire (4) Information not useful in progressing the investigation - just hover over the one which applies and select.

The comments tab is 'free text' to allow specific feedback on the aspects of the report that impacted on the investigation e.g. text messages recovered identified associations with other associates and details of drug dealing taking place - this assisted in the charging decision but also provided new leads and the information was used in interview.

On the completion of the form please click the 'Send Response' tab and this will automatically send it to the hub mailbox - or the form can be sent directly back to the person who generated the feedback form. - PLEASE enable macros when requested.

It is appreciated that it takes time to read the acquired data; therefore feedback is requested within 10 days of the work being completed.

Your cooperation with this feedback form is appreciated, if you have any questions or queries regarding this form please contact the hub direct.

Kind Regards,

(Your Name)

EXHIBIT AC1/21

Responses by Avon and Somerset Police, British Transport Police, Lancashire Constabulary, and Metropolitan Police to Freedom of Information Requests made in August 2018 relating to the use by police forces of “Internet of Things” devices.

From: #Freedom of Information Requests FOIREQUESTS@avonandsomerset.police.uk
Subject: FW: Freedom of Information request 986/17
Date: 13 November 2018 at 10:25
To: ilia@privacyinternational.org



Dear Ms Siatitsa,
Please find our response to FOI 986/17 forwarded as per the Information Commissioner's advice to us.

Many thanks
Michelle

Michelle Radcliffe
Freedom of Information Officer
Corporate Communications Department
Tel. 01278 6-46795

Avon and Somerset Constabulary Headquarters
PO Box 37, Valley Road, Portishead, BS20 8QJ

From: #Freedom of Information Requests
Sent: 13 November 2018 10:12
To: 'camilla@privacyinternational.org'
Subject: Freedom of Information request 986/17

Corporate Communications Department
Force Headquarters, PO Box 37, Valley Road,
Portishead, Bristol, BS20 8QJ
Email foirequests@avonandsomerset.police.uk

Ms Millie Graham Wood
camilla@privacyinternational.org

Our Reference 986/17
Date 13 November 2018

Dear Ms Graham Wood

I write in connection with your request for information dated 10th August 2017 under the Freedom of Information Act. The Information Commissioner contacted us in May 2018 regarding a complaint they had received from Privacy International in respect of this request. In that email they informed us that they had also received complaints regarding the same information request made to a number of police forces and that this particular case would be held in abeyance pending the outcome of the lead case. The decision notice for the lead case has now been issued and following the outcome of this we are providing a further response to your request.

Specifically you asked:

1. *Do you currently have the capability to examine connected devices, also known as internet of things. i.e. what are your digital investigation and intelligence capabilities in respect of the Internet of Things. See the attached report for examples. I note the above comments of Mark Stokes.*
2. *If you do have the capability, what software / hardware do you use and/or which companies do you contract with to provide services to examine connected devices for information, such as in the course of police investigations. - In responding to this question I note the reference to the intention of partnership with industry and academia in the attached report. - I further note the NCA's call in 2016 that "The speed of criminal capability development is currently outpacing our response as a community and only*

capability development is currently outpacing our response as a community and ... Only by working together across law enforcement can successfully reduce the threat to the UK from cyber crime."

3. *If you do not have the capability do you have any plans to develop skills and capacity to exploit internet of things as part of criminal investigations;*
4. *Do you have any internal guidance and/or policies and/or national guidance or policies on the obtaining of evidence from Internet of Things / connected devices.*
5. *Who is your current Digital Media Investigator.*
6. *A November 2016 HMIC report warned about the chronic digital skills shortage in policing. Do you currently, or do you have plans, for officers to receive training in relation to extracting / obtaining / retrieving data from or generated by connected devices.*

Examples of internet of things:

- *Individuals: fridges, health care devices, Amazon Echo, washing machine, burglar alarms, car parking sensors, baby monitors, air conditioners, cars, speaker systems, Smart TVs, energy meters*
- *Business / govt : traffic light sensors*

Our response:

1. Yes
2. Please see our response below
 - The software and hardware manufacturers' suite of tools for the device being examined under ACPO principles.
 - Guidance Software EnCase
 - Access Data Forensic Tool Kit
 - Berla iVe
 - Radio Tactics
 - Micro Systemation
 - Cellebrite
 - Tableau
 - IEF
 - ADF
 - Net Analysis
 - Hex readers
 - Graphical tools
 - Microsoft tools
3. N/A
4. Guidance and legislation for the investigation of digital data can be found in many documents.
 - Computer misuse Act
 - RIPA
 - DPA
 - Sexual offences Act
 - Criminal Justice and immigration Act
 - Coroners and justice Act
 - ACPO Good Practice Guide for Computer based Electronic Evidence
 - ISO:17025
 - ILAC G19

Nationally, accreditation requirements are defined within the Forensic Science Regulator's Codes of Practice and Conduct published on Gov.UK.

Standard Operating Procedures

- SW Forensics DF-P 3.1 Forensic Imaging
- SW Forensics DF-P 3.2 Pre-processing
- SW Forensics DF-P 3.3 Extraction of Operating System Artefacts
- SW Forensics DF-P 3.8 Extraction of Media Files

5. There are 37 employees who have completed the Digital Media Investigator training who are specialist advisors. There are multiple DMI's in the force within teams who are trained to work with specialist teams such as the Data Forensics Units. They are not trained to forensically examine a digital device.
6. Front line officers and CSI teams are already trained to conduct front line processes such as TRIAGE of computers and phones to identify primary devices that need examination. We have no future plans for training specifically in relation to connected devices or the 'internet of things.' Our Data Forensics Unit specialise in the examination of digital data from any digital device (computer).
The items listed as examples of 'Internet of things' devices are considered to be computers which hold user data. These would be examined in our Data Forensics Unit if required and some of these items have already been successfully examined by South West Forensics as part of criminal investigations.

Yours sincerely

Michelle Radcliffe
Freedom of Information Officer
Corporate Communications Department

Please note:

1. Requests and responses may be published on Avon and Somerset Constabulary's website (within 24 hours), some of which may contain a link to additional information, which may provide you with further clarification.
2. Whilst we may verbally discuss your request with you in order to seek clarification, all other communication should be made in writing.
3. Avon and Somerset Constabulary provides you with the right to request a re-examination of your case under its review procedure (copy attached).



A&S Appeals
Procedure1.doc



Freedom of Information request 993-17

1. Do you currently have the capability to examine connected devices, also known as internet of things. i.e. what are your digital investigation and intelligence capabilities in respect of the the Internet of Things. See the attached report for examples. I note the above comments of Mark Stokes.

2. If you do have the capability, what software / hardware do you use and/or which companies do you contract with to provide services to examine connected devices for information, such as in the course of police investigations.

- In responding to this question I note the reference to the intention of partnership with industry and academia in the attached report.

- I further note the NCA's call in 2016 that "The speed of criminal capability development is currently outpacing our response as a community and ... only by working together across law enforcement can successfully reduce the threat to the UK from cyber crime."

3. If you do not have the capability do you have any plans to develop skills and capacity to exploit internet of things as part of criminal investigations;

4. Do you have any internal guidance and/or policies and/or national guidance or policies on the obtaining of evidence from Internet of Things / connected devices.

5. Who is your current Digital Media Investigator.

6. A November 2016 HMIC report warned about the chronic digital skills shortage in policing. Do you currently, or do you have plans, for officers to receive training in relation to extracting / obtaining / retrieving data from or generated by connected devices.

RESPONSE

Question 1

British Transport Police has the capacity to examine connected devices using standard forensic tools and software. Should it be proprietary software than a third party contractor would be need to be requested.

Question 2

Software –FTK, Encase, Spektor and Blacklight
Hardware - Fujitsu Celsius with internal tableau & Apple MacBook Pro
Contract – We do not currently use third party companies to examine connected devices

Question 3

No information held.

Question 4

There are no specific internal guidance or policies relating to the Internet of Things/connected devices as it would fall under standard guidance for the retrieval of electronic data.

Question 5

British Transport Police currently has 26 DMIs.

Question 6

There are plans for training of officers in extracting connected data, but not specifically around the Internet of Things.

FAO: Millie Graham Wood
Sent via email to:
ilia@privacyinternational.org

Date: 26 November 2018

Dear Ms Graham Wood

FREEDOM OF INFORMATION APPLICATION REFERENCE NO: DPO/FOI/004184/17

Thank you for your request for information received by Lancashire Constabulary on 10/08/2017 which was as follows:

1. Do you currently have the capability to examine connected devices, also known as internet of things. i.e. what are your digital investigation and intelligence capabilities in respect of the the Internet of Things. See the attached report for examples. I note the above comments of Mark Stokes.

2. If you do have the capability, what software / hardware do you use and/or which companies do you contract with to provide services to examine connected devices for information, such as in the course of police investigations.

- In responding to this question I note the reference to the intention of partnership with industry and academia in the attached report.

- I further note the NCA's call in 2016 that "The speed of criminal capability development is currently outpacing our response as a community and ... only by working together across law enforcement can successfully reduce the threat to the UK from cyber crime."

3. If you do not have the capability do you have any plans to develop skills and capacity to exploit internet of things as part of criminal investigations;

4. Do you have any internal guidance and/or policies and/or national guidance or policies on the obtaining of evidence from Internet of Things / connected devices.

5. Who is your current Digital Media Investigator.

6. A November 2016 HMIC report warned about the chronic digital skills shortage in policing. Do you currently, or do you have plans, for officers to receive training in relation to extracting / obtaining / retrieving data from or generated by connected devices.

Examples of internet of things:

- Individuals: fridges, health care devices, Amazon Echo, washing machine, burglar alarms, car parking sensors, baby monitors, air conditioners, cars, speaker systems, Smart TVs, energy meters

- Business / govt : traffic light sensors

Further to our initial response of 8 September 2017 and your subsequent complaint to the ICO, please find below our revised response to your request.

1. Yes
2. Lancashire Constabulary uses software from mainstream providers if digital forensic tools such as Cellebrite, MSAB, Guidance Software, Magnet and X-Ways. We also develop tools

using Ubuntu Linux for specific cases which require a Linux OS.

3. N/A
4. No information held although we are currently in the process of creating standard operating procedures to adhere to ISO 17025 standards.
5. As per our initial response, the force does not have one dedicated Digital Media Investigator. We have a Digital Media Investigation Unit in which there are approximately 40 people fulfilling the roles of Digital Forensics Investigators or Digital Media Officers.
6. Yes – we are currently drafting action plans specifically related to the deployment of digital storage and tactics to frontline officers.

If you are unhappy with the service you have received in relation to your request and wish to make a complaint or request an internal review of our decision, you should write to the Information Assurance Manager, Information Compliance and Disclosure Section, Police Headquarters, Saunders Lane, Hutton, Preston PR4 5SB or alternatively send an email to information@lancashire.pnn.police.uk. Details of the Constabulary's Freedom of Information Complaint Procedures can be found attached to this email.

If you are not content with the outcome of your complaint, you may apply directly to the Information Commissioner for a decision. Generally, the Information Commissioner's Office cannot make a decision unless you have exhausted the complaints procedure provided by Lancashire Constabulary. The Information Commissioner can be contacted at: The Information Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, Cheshire, SK9 5AF.

Yours sincerely

Compliance Team

Data Protection Office

Ms Siatitsa
ilia@privacyinternational.org

Ms Minhas
Information Rights Unit
Metropolitan Police Service
PO Box 57192
London
SW6 1TR
ICO ref: FS50799980
Our ref: 01/FOI/18/000055
15th January 2019

Dear Ms Siatitsa

I write in relation to your letter of complaint to the Information Commissioner's Office (ICO) with regards to your request for information to the Metropolitan Police Service (MPS).

I would firstly like to apologise for the delay in responding.

Having considered the previous applications in respect of the requested information, I can confirm the MPS wish to change it's position and respond as follows:-

Question 1 – Do you currently have the capability to examine connected devices, also known as internet of things. i.e. what are your digital investigation and intelligence capabilities in respect of the internet of things. See the attached report for examples. I note the above comments of Mark Stokes.

MPS Answer – The MPS can confirm we do currently examine devices that would fall into the category of Internet of Things (IoT).
MPS partially exempt the information requested in accordance with section 31(1)(a)(b) Law Enforcement (please see the end of this response for our explanation).

Question 2 – If you do have the capability, what software/hardware do you use and/or which companies do you contract with to provide services to examine connected devices for information, such as in the course of police investigations.
-in responding to this question I note the reference to the intention of partnership with industry and academia in the attached report.
-I further note the NCA's call in 2016 that "The speed of criminal capability development is currently outpacing our response as a community and ...only by working together across law enforcement can successfully reduce the threat to the UK from cyber crime."

MPS Answer – This work is generally undertaken internally within the digital forensic units, rather than contracted out to Forensic Service Providers. The MPS uses a

variety of Commercial off the shelf (COTS) products to analyse electronic data. The methods will depend on the device but generally, standard forensic tools that allow the raw data to be viewed and analysed are used. Given that many of these devices are new, the techniques for data extraction and review are constantly undergoing development. IoT devices are normally examined as bespoke items. Data would be recovered as raw binary files and viewed in a HEX editor. Sometimes scripts need to be written to process data into meaningful formats.

MPS partially exempt the information requested in accordance with section 31(1)(a)(b) Law Enforcement (please see end of this response for our explanation).

Question 3 – If you do not have the capability do you have any plans to develop skills and capacity to exploit internet of things as part of criminal investigations.

MPS Answer – Please see response to Question 2. We do have the capability.

Question 4 – Do you have any internal guidance and/or policies and/or national guidance or policies on the obtaining of evidence from Internet of Things / connected devices.

MPS Answer – Not Held.

There is no specific guidance in relation to obtaining evidence from IoT devices. Examination of these devices will be subject to the same considerations with respect to necessity and proportionality as for mobile phones or computers.

Question 5 – Who is your current Digital Media Investigator?

MPS Answer – The MPS do not have a Digital Media Investigator.

There are many officers trained as DMI rather than one individual. The MPS has trained in the circa of 200 officers as DMI's. As per MPS policy, the names of the officers below senior level will not be released.

Partially exempt under Section 40(2)(3A)(a) Personal Information (please see end of this response for our explanation).

Question 6 – A November 2016 HMIC report warned about the chronic digital skills shortage in policing. Do you currently or do you have plans, for officers to receive training in relation to extracting / obtaining / retrieving data from or generated by connected devices.

MPS Answer – We have trained just under 2000 police officers with skills to download mobile devices, forensically. They have to pass a competency test before they can undertake casework and they can only produce the data as factual evidence. This training includes general digital forensic awareness.

Section 31(1)(a)(b) Law Enforcement

The MPS has a statutory duty to prevent and detect crime and critical in today's world is the ability to use technology as a significant and evolving tactical option in respect of criminal investigation and intelligence gathering. The pace of development is breath-taking and it is essential that the capability of the police in this area is in no way compromised or undermined. In this fast-moving technical environment is

enhanced, without fear that any use of tactics is disclosed under FOI, rendering them less effective.

It is well established that police forces use evolving technologies to counteract criminal behaviour. Disclosing further details in respect of the MPS's capability to examine connected devices would limit operational capabilities. Criminals/terrorists could gain a greater understanding of the methods and techniques used by the police, enabling them to take steps to counter them evading detection. Providing this information across the whole of the UK would allow them to target specific areas. This would be to the detriment of providing an efficient policing service and a failure in providing a duty of care to all members of the public.

Disclosure of the requested information would have the effect of highlighting whether how and where highly sensitive technologies are being utilised. This in itself may reduce the efficacy of these technological advances and mean that the criminal fraternity might be better placed to avoid i.e. if the criminals know that certain technologies are being utilised, they will take counter-measures and/or operate in an alternative force area.

Favouring Disclosure

Disclosure might assist in the quality and accuracy of public debate.

Where public funds are being spent, there is a public interest in accountability and transparency.

Favouring Non-Disclosure

Disclosing the requested information showing the type and nature of the MPS's capability around the Internet of Things would provide an insight into the operational focus of the force in this area and the extent to which this tactic is utilised in its policing activities, undermining the law enforcement and investigative processes. Disclosing the requested information showing the type of capabilities the MPS has to examine connected devices could prejudice investigations and possible future proceedings.

Balance Test

Whilst there is a public interest in the transparency of policing operations and providing assurance that the Police Service is appropriately and effectively engaging with the threat posed by various groups or individuals, there is a very strong public interest in safeguarding the integrity of police tactics and capability. As such, the MPS has concluded that the balance of the public interest lies in the non-disclosure of the exempted information.

Section 40(2)(3A)(a) Personal Information

The information held under this exemption relates to names of MPS staff that are not of senior level.

A FOIA request is not a private transaction. Both the request itself, and any information disclosed, are considered suitable for open publication. This is because, under FOIA, any information disclosed is released into the wider public domain, effectively to the world and not just to one individual.

In most cases Personal Data is exempt from disclosure under the FOIA. In the circumstances of this request, the disclosure of this information would be in breach of the first data protection principle, specified within Article 5(1)(a) of the General Data Protection Regulations (GDPR) which requires that personal data shall be:

'processed lawfully, fairly and in a transparent manner in relation to the data subject ('lawfulness, fairness and transparency');

Processing shall be lawful only if and to the extent that at least one of 6 conditions specified under Article 6 of the GDPR are applicable.

In the context of disclosing personal information under FOIA, the MPS have considered the possible consequences of disclosure on the individuals. It is believed that disclosing the personal information under the Act would have an adverse effect as it would allow MPS staff to be identified. These members of staff would not reasonably expect their details to be released to the world under FOIA and would not anticipate them to be made public in order to fulfil their occupation role.

In considering fairness in disclosure, the MPS has taken into account the reasonable expectations of the individuals whose information is held. Whilst it is appreciated that there is an interest in the Internet of Things, the data subjects would have no reasonable expectation that their personal information would be publicly disclosed in the circumstances of the request. The MPS believe there is a strong expectation to withhold the relevant information.

In considering the principle of fairness the MPS has balanced the rights of the data subjects and the legitimate interests in disclosure. It could be considered there is a very slight public interest in disclosure. However, disclosure under the Act is a disclosure to the 'world' and the MPS conclude that the legitimate interest in disclosure does not outweigh the rights of the data subjects.

The MPS have confirmed we do not have a DMI but have trained in the circa of 200 officers instead which we believe addresses the public interest whilst interfering less with the privacy of individuals.

The disclosure of personal data would be unwarranted in the circumstances of the request. This is because the disclosure of this personal data is not necessary to satisfy the legitimate public interest and in relation to personal data, there is no presumption of disclosure. Furthermore, none of the conditions specified within Article 6 of the GDPR would be met.'

The MPS concludes that the disclosure of the name of the staff would be unfair, and so in breach of the first principle. The MPS does not find it would be lawful to disclose the personal information sought.

Decision Notice FS50317876 – The Commissioner noted that the withheld names and contact details for MPA staff relate purely to junior members of staff whose roles are not public facing and whose details cannot be said to already be in the public domain. The Commissioner stated that such staff would reasonably expect their details to remain 'private' as they would not anticipate any requirements for them to be made 'public' in order for them to fulfil their occupational role. The Commissioner considered that the information relates to individuals in a professional capacity rather than a private one, he does not consider that disclosure would be fair as such staff members would not reasonably expect their details to be placed in the public domain. Consequently, he considered it unfair to release staff names.

https://ico.org.uk/media/action-weve-taken/decision-notices/2011/582834/fs_50317876.pdf

Decision Notice FS50670919 – The Commissioner stated, given the importance of protecting an individuals personal data, the 'Commissioners' default position in cases where section 40(2) has been sited is in favour of protecting the privacy of the individual. Therefore in order to find in favour of disclosure, it would need to be

shown that there is a more compelling interest in disclosure which would make it fair to do so.

<https://ico.org.uk/media/action-weve-taken/decision-notices/2017/2014735/fs50670919.pdf>

I sincerely hope that I have covered all of the aspects outlined in your letter to the ICO. Should you have any further inquiries concerning this matter, please do not hesitate to contact me on 0207 161 2597 quoting the reference number above.

Yours sincerely

Ms Minhas
Senior Information Manager
Information Rights Unit
Metropolitan Police Service

c.c Information Commissioners Officer

EXHIBIT AC1/22

Responses by West Yorkshire Police, Merseyside Police, and West Midlands Police to Freedom of Information Requests relating to the use by police forces of predictive policing technology.



Freedom Of Information

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Email: foi@westyorkshire.pnn.police.uk
Website: www.westyorkshire.police.uk

Our ref: 02548/18

Date: 25/06/2018

Dear Ms Couching

Thank you for your request for information, received by West Yorkshire Police on 30/05/18.

You requested the following information:

1. [The name given to this predictive analytics software](#)

We are working with UCL on an algorithm to predict areas at highest risk of crime.

2. [When the programme was first used and whether it is still in use / when use ceased](#)

The project was started in December 2016 and is still in a pilot stage

3. [How this predictive analytics software works, specifically:](#)

The algorithm identifies areas of vulnerability to specified crime types based on crimes happening previously.

3.1. [What data is used by the programme](#)

Historic crime or incident locations.

3.2. [Whether it operates using algorithms or artificial intelligence](#)

Algorithms.

3.3. [What human interaction or oversight is required](#)

The output is a suggested "Patrol Plan", highlighting a suggested area for officers to be visible in order to reduce vulnerability.

4. [The specific hardware and/or software used to build this predictive analytics software](#)

Python.

5. Any guidance documents provided in relation to the use of this predictive analytics software

None held, still in pilot.

6. Any testing or research conducted in relation to this predictive analytics Software

Leeds University have conducted an analysis of a range of predictive techniques to inform the project. Some of their analysis is available at <https://github.com/QuantCrimAtLeeds/PredictCode>
UCL and Leeds University are working on academic papers in relation to the project.

6.1. In particular, any examination as to potential bias within the software and the exacerbation of pre-existing inequalities

The algorithm only looks at the recorded location of crimes, so bias based on any other characteristics is not possible.

7. The Privacy Impact Assessment conducted in relation to this predictive analytics software

As the data used is location only, a PIA was deemed not to be necessary.

8. Please also confirm whether West Yorkshire Police has ever trialled or used the predictive policing programme "PredPol".

West Yorkshire Police has not trialled or used Predpol.

COMPLAINT RIGHTS

If you are not satisfied with how this request has been handled or with the information provided, please read the advice notice attached to this letter. If you do wish to take up your right of complaint, please remember to quote the reference number above, in any future correspondence.

Yours sincerely,

Gemma Burton
Disclosure Officer



REQUEST	RESPONSE
<p>Question 1 Are Merseyside Police currently trialling or using, or have the force ever trialled or used, any form of predictive policing programme?</p> <p>If so, please provide the following information:</p>	<p>Merseyside Police currently use predictive techniques in its Management Information and Performance Management Systems to spot trends that need attention or indicate changes in crime / incident statistics.</p>
<p>Question 2 The name given to this predictive policing programme</p>	<p>No information held. There is no programme of work so it doesn't have a name.</p>
<p>Question 3 When the programme was first used and whether it is still in use / when use ceased</p>	<p>No information held in relation to an exact date. However, it is estimated that Merseyside Police started using these statistical techniques <i>approximately</i> 10 years ago</p>
<p>Question 4 How this predictive policing programme works, specifically:</p>	<p>The predictive techniques uses historical data to predict how many crimes or incidents we could expect to occur in the upcoming days / weeks / months, in order to highlight anything unusual about the actual results. This data is then reviewed by Police employees to look at any anomalies to discover the cause.</p>

<p>Question 4.1 What data is used by the programme</p>	<p>The predictive techniques uses data on crimes and incidents over the past seven years to predict what crimes and incidents the Force should expect to occur in the upcoming days / weeks / months.</p>
<p>Question 4.2 Whether it operates using algorithms or artificial intelligence</p>	<p>No it doesn't.</p>
<p>Question 4.3 What human interaction or oversight is required</p>	<p>The predictive techniques make predictions based on historical data about crimes and incidents, and highlights significant differences from the actual. These predictions are then presented to Police Employees to research this further.</p>
<p>Question 5 The specific hardware and/or software used to build this predictive policing programme</p>	<p>There is no specific hardware or software; this technique is run on shared servers against the data held in the Force's data warehouse. The technique was written by Merseyside Police employees.</p>
<p>Question 6 Any guidance documents provided in relation to the use of this predictive policing programme</p>	<p>No information held (There are no guidance documents).</p>

<p>Question 7 Any testing or research conducted in relation to this predictive policing programme</p>	<p>Each technique or change to a technique is tested as it is written.</p>
<p>Question 7.1 In particular, any examination as to potential bias within the software and the exacerbation of pre-existing inequalities</p>	<p>No information held. The predictive policing techniques used by Merseyside Police relate to statistical information concerning crimes and incidents that have occurred and not about the people involved in them.</p>
<p>Question 8 The Privacy Impact Assessment conducted in relation to this predictive policing programme</p>	<p>No information held (there is no privacy impact assessment).</p>

Police forces in the United Kingdom are routinely required to provide statistics to requestors of information. The systems used for recording these figures are not generic, nor are the procedures used locally in capturing the data. It should be noted that for these reasons this Force's response to your questions should not be used for comparison purposes with any other response you may receive.

REQUEST

Good morning,

This FOI request relates to the use of predictive policing programmes by West Midlands Police.

The response to a previous FOI request (accessed at http://foi.west-midlands.police.uk/wp-content/uploads/2016/12/12587_attachment_01.pdf) outlines that West Midlands Police had "[I] internally done some analysis of crime and incident data around hot grids. This was done using our in-house geographical information system and some aoristic analysis using Excel programming."

Please provide the following information in relation to that outlined above:

1. The name given to this predictive analytics programme

It is **not** a specific predictive analytics programme it is a standard desktop Geographical Information System (GIS) called MapInfo. Using crime and incident data we are able to map hotspots of incidents that have already happened. There is no predictive analysis other than assuming that long term hotspots will continue to be hotspots unless we do some preventative action in these areas: patrol, long term problem solving, standard Police tactics, working with Partners to identify cross-organisational issues etc. We use GIS technology to map where crime and incidents occur, and use temporal analysis to analyse when they occur: seasonality, days of week, times of day etc.

2. When the programme was first used and whether it is still in use / when use ceased

MapInfo desktop GIS has been used in WMP for approx. 16 years. The mapping of hotspots goes back even further.

3. How this predictive analytics programme works, and specifically:

It is not specifically predictive analysis software; it is a generic desktop geographical information system using standard GIS functionality

3.1. What data is used by the programme?

Crime data reported to WM Police over the past 2 years
Anti-social behaviour incidents reported to WM Police over the past 2 years.

3.2. Whether it operates using algorithms or artificial intelligence

The only algorithm is a standard 'point in polygon' algorithm found in all standard GIS. This enables point data to be counted into any area. It enables us to answer questions such as how many crimes occur in this ward, hotspot area, 1 mile from this location, small grid area etc.
Standard Kernel density estimation (KDE) techniques are also used to identify 'hotspots' defined as areas that have a higher density of incidents than surrounding areas. None of these are predictive, they merely analyse what has already happened/reported.

02/08/18

Ref: 7755_18

3.3. What human interaction or oversight is required?

Human interaction is used to ensure that the data going into the analysis is as good a quality as possible and to visually check that any outputs are reasonable.

4. The specific hardware and/or software used to build this predictive analytics programme

As explained as above it is **not** a specific predictive analytics programme it is a standard desktop Geographical Information System (GIS) called MapInfo.

5. Any guidance documents provided in relation to the use of this predictive analytics programme

Please see answer to Question 4

6. Any testing or research conducted in relation to this predictive analytics programme

Please see answer to Question 4

6.1. In particular, any examination as to potential bias within the software and the exacerbation of pre-existing inequalities

The only 'bias' is that it uses crimes/incidents reported to WM Police. It does not take into account under-reporting or none-reporting of crimes. It highlights the locations of crimes that have been reported to WM Police.

7. The Privacy Impact Assessment conducted in relation to this predictive analytics programme

Please see answer to Question 4

I note that the West Midlands Strategic Policing and Crime Board meeting in July 2017 (minutes accessed at: <https://www.westmidlands-pcc.gov.uk/media/463456/09-spcb-18-july-2017-wmp2020-update-dcc-change-programe.pdf>). The minutes refer to "Data Driven Insights" (DDI). It was stated that DDI will "deliver a computer system which automatically compiles intelligence to identify and predict future outcomes, patterns and trends, resulting in improved quality of intelligence, time savings and potential to prevent anticipated threats and harm".

The Data Driven Insights project are **not** the same as the Geographical Information System (GIS) called MapInfo.

8. Please confirm whether the programme referred to above constitutes "Data Driven Insights", and what other projects would fall under the heading "Data Driven Insights".

The Data Driven Insights project consists of three different strands, Insight Search, Business Insight and the Insight lab.

The Insight Search function will combine all of the information and intelligence available into a single place, making it easily searchable through a range of applications.

02/08/18

Ref: 7755_18

The Business Insight function will provide a new reporting application which will enable access to live, interactive performance updates which will inform how the force manages demand and improves service.

The Insight lab will use advanced statistical analysis to better predict risk and gain a deeper understanding of complex policing problems.

02/08/18

Ref: 7755_18