


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>Accredited to ISO/IEC 17025:2017</p>	Forensic Science Northern Ireland	
	Issue No: 057 Issue date: 04 December 2020	
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Testing performed at the above address only		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
BODY FLUIDS and TISSUES Blood <ul style="list-style-type: none"> - Whole - Stains Semen <ul style="list-style-type: none"> - Whole - Azoospermic Saliva <ul style="list-style-type: none"> - Whole - Stains Hair Cellular Material	<u>Forensic Analysis</u> DNA Profiling: Short Tandem Repeat (STR) for forensic analysis of: <ul style="list-style-type: none"> - Subject Samples (CJ and Volunteer) meeting the requirements of the Custodian for the Purpose of Supply to the National DNA Database - Crime Scene Samples meeting the requirements of the Custodian for the Purpose of Supply to the National DNA Database 	Documented in-house method (TP4102) using manual extraction <ul style="list-style-type: none"> - Qiagen Kits Documented in-house method (TP4158) using Manual quantification <ul style="list-style-type: none"> - Quantiplex Pro - Real Time Documented in-house method (TP4150) using Manual amplification (PCR) and the following chemistry: <ul style="list-style-type: none"> - NGM SElect - ESI 17 Documented in-house methods (TP4151 and TP4159) using Electrophoresis <ul style="list-style-type: none"> - Applied Biosystems 3130/3130xl Genetic Analyser© - 3500xl Genetic Analyser©
Saliva <ul style="list-style-type: none"> - Swabs (buccal cells) 	DNA Profiling: Short Tandem Repeat (STR) for forensic analysis of: <ul style="list-style-type: none"> - Subject Samples (CJ and Volunteer) meeting the requirements of the Custodian for the Purpose of Supply to the National DNA Database 	Documented in-house method (TP4156) using Direct amplification (PCR) and the following chemistry: <ul style="list-style-type: none"> - NGM SElect Express - ESI 17 Fast Documented in-house methods (TP4151 and TP4159) using Electrophoresis <ul style="list-style-type: none"> - Applied Biosystems 3130/3130xl Genetic Analyser© - 3500xl Genetic Analyser©



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BODY FLUIDS and TISSUES (cont'd)	<p><u>Forensic Analysis</u> (cont'd)</p> <p><u>Related Opinions and Interpretation</u> Interpretation of DNA profiles generated internally from crime stains (single source/major-minor/complex mixtures) and reference samples</p> <p>Statistical analysis and comparison of DNA profiles generated from crime stains with compatible reference DNA profiles (internally generated or from other accredited laboratories)</p>	<p>Documented in-house methods (TP4066, TP4152 and TP4160)</p> <ul style="list-style-type: none"> - Genetic Characterisation <ul style="list-style-type: none"> • GMID 3.2.1 • Genemapper IdX • Expert Systems <ul style="list-style-type: none"> ○ STRMix (v2.7)
Any Material	<p>Searching for:</p> <ul style="list-style-type: none"> - Blood - Semen - Saliva - Hair 	<p>Documented in-house methods (TP4022, TP4023, TP4026, TP4030, TP4043, TP4053, TP4065 and TP4064) using:</p> <ul style="list-style-type: none"> - visual examination - low power microscopy - high power microscopy - chemical testing (see below)
Blood	<p>Recovery and preparation, including for contingency purposes, for subsequent DNA analysis by an ISO/IEC 17025 accredited laboratory of the following from searched materials:</p> <ul style="list-style-type: none"> - Blood - Semen - Saliva - Cellular DNA - Hair <p>Presumptive testing for Blood via detection of:</p> <ul style="list-style-type: none"> - Peroxidase 	<p>Documented in-house methods (TP4022, TP4023, TP4026, TP4030, TP4043, TP4053, TP4063, and TP4065) using:</p> <ul style="list-style-type: none"> - cutting - swabs and swabbing - extraction of stained materials - extraction of swabs - taping - mini-taping <p>Documented in-house method (TP4023) using:</p> <ul style="list-style-type: none"> - visual Examination - KM (Kastle Meyer)
	<p><u>Related Opinions and Interpretations</u> Identification, interpretation and recording of blood patterns (BPA) on clothing and other items examined at the laboratory</p>	<p>Documented in-house method (TP-4062) using :</p> <ul style="list-style-type: none"> - visual examination - low power microscopy - dimensional measurement



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<p>BODY FLUIDS and TISSUES (cont'd)</p> <p>Semen</p> <p>Saliva</p>	<p><u>Forensic Analysis</u> (cont'd)</p> <p>Presumptive testing for seminal fluid, via detection of:</p> <ul style="list-style-type: none"> - Acid Phosphatase - Choline <p>Confirmatory testing for seminal fluid via identification of: Spermatozoa</p> <p>Presumptive testing for saliva via detection of:</p> <ul style="list-style-type: none"> - Amylase 	<p>Documented in-house methods (TP4026, TP4043 and TP4044) using:</p> <ul style="list-style-type: none"> - visual Examination - acid phosphatase detection (colour reaction) - choline detection by Florence Iodine test <p>Documented in-house methods (TS4035, TP4041 and TP6500) using:</p> <ul style="list-style-type: none"> - high power microscopy - Haematoxylin and Eosin staining - Christmas tree Stains <p>Documented in-house method (TP4030) using:</p> <ul style="list-style-type: none"> - visual examination - Phadebas paper - Phadebas tube test
<p>BODY FLUIDS</p> <p>Blood and Urine</p>	<p><u>Forensic Analysis/Medical and Legal Analysis</u></p> <p>Detection and quantification in relation to Article 13 the Northern Ireland Road Traffic Act 1995 Alcohol (10 - 700 mg%); 80mg/100ml</p>	<p>Documented in-house method (TP1013) using Headspace GC/FID analysis including the Clarus 500 system</p>
<p>Blood (Preserved, Unpreserved) Urine (Preserved, Unpreserved)</p>	<p>Presumptive screening for the presence of drugs (Cut-off Limit Blood/Urine)</p> <p>Drug types/groups :</p> <ul style="list-style-type: none"> - Ephedrine / - Pseudoephedrine (10/10ng/ml) 	<p>Documented in-house method (TP1240) using automated SPE:</p> <ul style="list-style-type: none"> - Extrahera extraction - UPLC-HRMS - Q-Exactive LC-HRMS



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<p>BODY FLUIDS</p> <p>Blood (Preserved, Unpreserved) Urine (Preserved, Unpreserved (cont'd)</p>	<p><u>Forensic Analysis/Medical and Legal Analysis</u></p> <p>Presumptive screening for the presence of drugs (Cut-off Limit Blood/Urine) Contd:</p> <p>Opioids group :</p> <ul style="list-style-type: none"> - Morphine (5/5ng/ml) - Dihydrocodeine (5/5ng/ml) - Codeine (5/5ng/ml) - Oxycodone(5/5ng/ml) - 6 – MAM (blood only) (1ng/ml) - Methadone (5/5ng/ml) - Tramadol (5/5ng/ml) - Buprenorphine (1/1ng/ml) - Fentanyl (1/1ng/ml) <p>Antidepressant group:</p> <ul style="list-style-type: none"> - Trazodone (5/5ng/ml) - Mirtazepine (5/5ng/ml) - Dothiepin (5/5ng/ml) - Imipramine (5/5ng/ml) - Amitriptyline (5/5ng/ml) - Nortriptyline (5/5ng/ml) - Citalopram (5/5ng/ml) - Venlafaxine (5/5ng/ml) - Paroxetine (5/5ng/ml) - Duloxetine (5/5ng/ml) - Fluoxetine (blood only) (5ng/ml) - Sertraline (blood only) (5ng/ml) 	<p>Documented in-house method (TP1240) using automated SPE:</p> <ul style="list-style-type: none"> - Extrahera extraction - UPLC-HRMS - Q-Exactive LC-HRMS



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<p>BODY FLUIDS</p> <p>Blood (Preserved, Unpreserved) Urine (Preserved, Unpreserved (cont'd)</p>	<p><u>Forensic Analysis/Medical and Legal Analysis</u></p> <p>Presumptive screening for the presence of drugs (Cut-off Limit Blood;Urine (cont'd):</p> <p>Benzodiazepines and "z" groups:</p> <ul style="list-style-type: none"> - 7 –Aminoclonazepam (blood only) (5ng/ml) - 7 –Aminoflunitrazepam (5/5ng/ml) - 7 – Aminonitrazepam (5/5ng/ml) - Flurazepam (5/5ng/ml) - Midazolam (5/5ng/ml) - Clonazepam (5/5ng/ml) - Flunitrazepam (5/5ng/ml) - Alprazolam (5/5ng/ml) - Chlordiazepoxide (5/5ng/ml) - Bromazepam (5/5ng/ml) - Demoxepam (5/5ng/ml) - Nitrazepam (5/5ng/ml) - Oxazepam (5/5ng/ml) - Lorazepam (5/5ng/ml) - Nordiazepam (5/5ng/ml) - Temazepam (5/5ng/ml) - Diazepam (5/5ng/ml) - Phenazepam (5/5ng/ml) - Zopiclone(5/5ng/ml) - Zolpidem (5/5ng/ml) - Zaleplon (5/5ng/ml) <p>Cocaine group:</p> <ul style="list-style-type: none"> - Cocaine (5/5ng/ml) - Benzoyllecgonine (10/10ng/ml) 	<p>Documented in-house method (TP1240) using automated SPE extraction:</p> <ul style="list-style-type: none"> - Extrahera extraction - UPLC-HRMS - Q-Exactive LC-HRMS



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<p>BODY FLUIDS</p> <p>Blood (Preserved, Unpreserved) Urine (Preserved, Unpreserved (cont'd)</p>	<p><u>Forensic Analysis/Medical and Legal Analysis</u></p> <p>Presumptive screening for the presence of drugs (Cut-off Limit Blood/Urine) Contd:</p> <p>Amphetamine group:</p> <ul style="list-style-type: none"> - Amphetamine (10/10ng/ml) - Methamphetamine (10/10ng/ml) - Chloroamphetamine (10/10ng/ml) - MDMA (10/10ng/ml) - MDA (10/10ng/ml) - MDEA (10/10ng/ml) - PMA (10/10ng/ml) - PMMA (10/10ng/ml) - Methylphenidate (10/10ng/ml) - Ethylphenidate (10/10ng/ml) - MBDB (10/10ng/ml) - 2C – B (10/10ng/ml) - 2C – I (10/10ng/ml) - DOB (2,5 - Dimethoxy-4-bromo-amphetamine) (10/10ng/ml) - DOM (10/10ng/ml) <p>Novel Psychoactive Substances:</p> <ul style="list-style-type: none"> - Cathinone (10/10ng/ml) - Ethylone (10/10ng/ml) - Methedrone (10/10ng/ml) - Methylone (10/10ng/ml) - Butylone (10/10ng/ml) - Pentylone (10/10ng/ml) - MDPBP (10/10ng/ml) - BMDP (10/10ng/ml) - Methcathinone (10/10ng/ml) - Buphedrone (10/10ng/ml) - Mephedrone (4-MMC) (10/10ng/ml) - 4 - Methyl - paramethyl - Aminorex (10/10ng/ml) - BZP (Benzylpiperazine) (10/10ng/ml) - MDPV (Methylenedioxy - pyrovalerone) (10/10ng/ml) - TFMPP (Trifluoromethyl-phenylpiperazine) (10/10ng/ml) - 4 – MEC (10/10ng/ml) - 3 – FMC (urine only) (10ng/ml) - 4 – FMC (10/10ng/ml) 	<p>Documented in-house method (TP1240) using automated SPE:</p> <ul style="list-style-type: none"> - Extrahera extraction - UPLC-HRMS - Q-Exactive LC-HRMS



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BODY FLUIDS	<u>Forensic Analysis/Medical and Legal Analysis</u>	
Blood (Preserved, Unpreserved) Urine (Preserved, Unpreserved (cont'd)	Presumptive screening for the presence of drugs (Cut-off Limit Blood/Urine) Contd: Anti-epileptics Group: - Pregabalin (100;1000/100;1000ng/ml) - Lamotrigine (10/10ng/ml) - Carbamazepine (10/10ng/ml) - Phenytoin (5/5ng/ml) Cannabis group: - Delta-9-THC (blood Only) (5ng/ml) - 11-Hydroxy- delta-9-THC (blood only) (5ng/ml) - 11-Carboxy-delta- 9-THC (blood only) (5ng/ml) Miscellaneous: - Risperidone (5/5ng/ml) - Chlorpheniramine (5/5ng/ml) - Propranolol (10/10ng/ml) - Diphenhydramine (5/5ng/ml) - Cyclizine (5/5ng/ml) - Promethazine (5/5ng/ml) - Amiodarone (Blood Only) (10ng/ml) - Paracetamol (100;1000/100;1000ng/ml) - Ketamine (5/5ng/ml)	Documented in-house method (TP1240) using automated SPE: - Extrahera extraction - UPLC-HRMS - Q-Exactive LC-HRMS
Blood (Preserved, Unpreserved)	- <u>3 FMC /4- FMC(10/5/ng/ml)</u> <u>Clomipramine (5/5ng/ml)</u>	Q-Exactive LC-HRMS
Urine (Preserved, Unpreserved)	- <u>3 FMC /4- FMC(10/10/ng/ml)</u> - <u>Clomipramine (5/5ng/ml)</u> - <u>6 – MAM (10/10ng/ml)</u> - <u>7-Amino clonazepam (10/10ng/ml)</u> - <u>Fluoxetine (5/5ng/ml)</u> <u>Sertraline (5/5ng/ml)</u>	Q-Exactive LC-HRMS



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<p>DOCUMENTS</p> <p>Handwriting (Roman script)</p> <p>Signatures</p>	<p><u>Forensic Analysis</u></p> <p>The examination of submitted items to compare handwriting from known and suspect sources to establish links and/or authorship</p> <p>The examination of submitted items to compare signatures from known and suspect sources to establish links and/or authorship</p>	<p>Documented in-house Methods (TP5603, TP5610 and TS5612) using</p> <ul style="list-style-type: none"> - Microscopy - ESDA (TP5611) <p>Documented in house methods (TP5604, TP5610, TS5612) using</p> <ul style="list-style-type: none"> - visual examination - low power microscopy - photography
<p>DOCUMENTS (cont'd)</p> <p>Paper and other material</p> <p>Printing Machines and their output including Impact and Non-Impact Printers and Photocopies</p> <p>Documents</p>	<p><u>Forensic Analysis (cont'd)</u></p> <p>Detection and enhancement of indented marks made by handwriting</p> <p>Comparison of office printing equipment and outputs with suspect material</p> <p>Detection of alterations and decipherment of altered or obliterated entries</p> <ul style="list-style-type: none"> - Ink examination - Paper examinations - Photocopying 	<p>Documented in-house methods (TP5612 and TS5612) using</p> <ul style="list-style-type: none"> - oblique lighting - low power microscopy - ESDA <p>Documented in-house methods (TP5606, TP5607, TP5608 and TS5612) using</p> <ul style="list-style-type: none"> - visual examination, - microscopy, - physical fit - visual comparison <p>Documented in-house methods (TP5609, TP5610 and TS5612) using</p> <ul style="list-style-type: none"> - lighting techniques, - visual examination - microscopy - VSC



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<p>EXPLOSIVES</p> <p>Trace Explosives</p> <p>Non-Trace, Pyrotechnics and Associated Material</p>	<p><u>Forensic Analysis</u></p> <p>Recovery of explosives at trace level</p> <p>Identification of explosives at trace level</p> <p>Identification of energetic materials</p>	<p>Documented in-house methods (TP2003 and TP2005) using swabs</p> <p>Documented in-house methods using</p> <ul style="list-style-type: none"> - GC/TEA (TP2002, TP2005, TP 2006, TS2023, TS2024 and TS2025) - UPLC-HRMS (TP2029 and TP2031) <p>Documented in-house method (TP2035) using</p> <ul style="list-style-type: none"> - FTIR Spectroscopy
<p>FIBRES</p>	<p><u>Forensic Analysis</u></p> <p>Search and recovery of fibres from clothing and objects for analysis</p> <p>Identification of fibre type</p> <p>Comparison of fibres</p> <p>Spectroscopic analysis of fibres in the visible range for the purpose of comparison of fibres</p>	<p>Documented in-house method (TP4058) using</p> <ul style="list-style-type: none"> - visual examination, - low power microscopy and screening, - fibre recovery (taping) mounting <p>Documented in-house method (TP4060) using</p> <ul style="list-style-type: none"> - FTIR <p>Documented in-house method (TP4010) using</p> <ul style="list-style-type: none"> - stereo microscopy - comparison microscopy (TP4011) <p>Documented in-house method (TP4015) using</p> <ul style="list-style-type: none"> - MSP (visiblelight)



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FIREARMS Ammunition	<u>Forensic Analysis</u> Examination of discharged ammunition components to determine the number of guns used. Examination of cartridges to determine if ammunition has been loaded into a firearm Comparison of spent ammunition to suspect guns Ammunition and component identification and legal classification	Documented in-house method (TP3016) using - comparison microscopy Documented in-house method (TP3016) using : - microscopy - comparison microscopy Documented in-house method (TP3016) using - comparison microscopy Documented in-house method (TP3017) using : - weighing - length measurement - use of known samples or standard reference data.
Firearms	Firearm and firearm component part identification and legal classification (Firearms Act 1968) Firearm identification from class marks present on ammunition components Determination of Kinetic Energy of projectiles Test Firing to assess the functionality of weapons and/or ammunition. Test Firing to generate test samples of ammunition for comparison to exhibits	Documented in-house method (TP3017) using comparison with known samples, reference standards and publications Documented in-house method (TP3016) using comparison with known samples and use of reference databases. Documented in-house method (TP3034) using chronograph and balance Documented in-house method (TP3015) using suspect or reference guns and ammunition Documented in-house method (TP3015) using suspect or reference guns and ammunition



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<p>FLAMMABLE LIQUIDS (FIRE ACCELERANTS)</p> <p>Material Recovered from and associated with Fire Scenes</p> <p>Common fire accelerant liquids</p>	<p><u>Forensic Analysis</u></p> <p>Examination and analysis of the following flammable liquids:</p> <ul style="list-style-type: none"> - petrol - paraffin - diesel - white spirit 	<p>Documented in-house methods (TP2116 and TP2117) using:</p> <ul style="list-style-type: none"> - GCMS - ATD/GCMS
<p>GUN SHOT RESIDUE (GSR / FDR / CDR)</p> <p>Any Material Including type of matrix Bore Wipes</p> <p>Recovered Material</p>	<p><u>Forensic Analysis</u></p> <p>Recovery of in-organic gunshot residues (primer)</p> <p>Recovery of organic gunshot residue (propellant)</p> <p>Identification of in-organic gunshot residues (primer)</p> <p>Identification of organic gunshot residues (propellant)</p>	<p>Documented in-house methods (TP3003 and TP3004) using</p> <ul style="list-style-type: none"> - vacuuming - carbon coated aluminium stubs <p>Documented in-house methods (TP3003 and TP3004) using</p> <ul style="list-style-type: none"> - swabbing - vacuuming - filtering <p>Documented in-house methods (TP3002 and TP3006) using</p> <ul style="list-style-type: none"> - SEM/EDX - SEM/EDS <p>Documented in-house methods (TP2002, TP2006, TP2029, TP2031, TS2023, TS2024 and TS2025) using</p> <ul style="list-style-type: none"> - GC TEA - UPLC-HRMS



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<p>MARKS AND IMPRESSIONS</p> <p>Fingermarks Any material which is capable of retaining friction ridge marks</p>	<p><u>Forensic Analysis</u></p> <p>Enhancement of fingermarks</p>	<p>Documented in-house methods using chemical enhancement and lighting techniques :</p> <ul style="list-style-type: none"> - Acid Treatments: Fuschin Acid (TS5526), Acid Black 1 (TP5115) - Cyanoacrylate (CNA) Fuming (TS5504 and TS5507) - Basic Yellow 40 (BY40) (TS5508) - Rhodamine-6-G (TS5508) - Gentian Violet (TS4062) - Basic Red 14 (TS5508) - Safranin O (TS5508) - Powdering Techniques: (flake, magnetic and non-magnetic) (TS5528) - 1,8-Diazafuoren-9-one (DFO) (TP5111) - Physical Developer (TP5119) - Ninhydrin (TP5113 and TS5523) - Sudan Black (TS5518) - Stabilise Iodine (TS5524) - Leucocystal Violet (TS5520) - Selenious Acid etching (TS5521) - ISO Mark Casting (TS5527) - Indandione (TP5511)
<p>Fingermarks Any material which is capable of retaining friction ridge marks</p>	<p>Enhancement of fingermarks</p>	<p>Documented in-house methods (TP5501 and TS5502) using lighting techniques</p> <ul style="list-style-type: none"> - white Light and Filtered Sources - high Energy Light Sources <p>Documented in-house method (TP5504) for imaging / digital capture</p>



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<p>MARKS AND IMPRESSIONS (cont'd)</p> <p>Footwear marks (physically or image)</p> <p>Footwear mark (physically or image)</p>	<p><u>Forensic Analysis</u> (cont'd)</p> <p>Enhancement of footwear marks recovered from scenes</p> <p>Production of test marks from suspect footwear</p> <p>Assessment, Comparison and evaluation of footwear with scene marks</p>	<p>Documented in-house methods using</p> <ul style="list-style-type: none"> - lighting techniques (TP5201, TS5533 and TS5537) - powders (TP5122) - ESLA (TP5120) - digital capture photography (TP5201 and TP5202) <p>Documented in-house methods (TP5108, TP5120, TP5121 and TP5122) using</p> <ul style="list-style-type: none"> - black powder, adhesive film plus clear acetate sheet - vegetable oil and Magna black method - gel Lifting - digital capture photography <p>Documented in-house methods (TP5103, TP5124, TP5201 and TP5509) using visual examination, low power microscopy and dimensional measurements</p>
<p>DIGITAL DEVICES AND DATA</p> <p>Mobile Phones</p> <p>Mobile phone handsets and tablets associated with the following operating systems:</p> <ul style="list-style-type: none"> - Google Android - Non-smartphone proprietary systems <p>Mobile phone handsets and tablets associated with the following operating systems:</p> <ul style="list-style-type: none"> - Apple iOS - Google Android - Non-smartphone proprietary systems 	<p><u>Forensic Analysis</u></p> <p>Physical capture and preservation of data</p> <p>Logical capture and preservation of data</p>	<p>Documented in-house method(s) (TP6402) using:</p> <ul style="list-style-type: none"> - MSAB XRY - Cellebrite UFED 4PC - Cellebrite UFED Touch2 <p>Documented in-house method(s) (TP6402) using:</p> <ul style="list-style-type: none"> - MSAB XRY - Cellebrite UFED 4PC - Cellebrite UFED Touch2 - Manual examination



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ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Forensic Science Northern Ireland
Issue No: 057 Issue date: 04 December 2020

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>DIGITAL DEVICES AND DATA (Cont'd)</p> <p>Mobile phone handsets and tablets associated with the following operating systems:</p> <ul style="list-style-type: none"> - Apple iOS - Google Android - Non-smartphone proprietary systems <p>(U)SIM cards</p> <p>Memory cards associated with mobile phone handsets and tablets</p>	<p><u>Forensic Analysis</u></p> <p>Processing of data</p> <p>Logical capture and preservation of data</p> <p>Processing of data</p> <p>Physical capture and preservation of data</p> <p>Processing of data</p>	<p>Documented in-house method(s) (TP6402) using:</p> <ul style="list-style-type: none"> - MSAB XRY - MSAB XAMN - Cellebrite UFED Physical Analyzer <p>Documented in-house method(s) (TP6402) using:</p> <ul style="list-style-type: none"> - MSAB XRY - Cellebrite UFED 4PC - Cellebrite UFED Touch2 <p>Documented in-house method(s) (TP6402) using:</p> <ul style="list-style-type: none"> - MSAB XRY - MSAB XAMN - Cellebrite UFED Physical Analyzer <p>Documented in-house method(s) (TP6402) using:</p> <ul style="list-style-type: none"> - AccessData FTK Imager <p>Documented in-house method(s) (TP6402) using:</p> <ul style="list-style-type: none"> - MSAB XRY - MSAB XAMN - Cellebrite UFED Physical Analyzer



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<p>VEHICLE COMPONENTS</p> <p>Wheel assemblies removed from vehicles (tyres)</p> <p>Light bulbs from motor vehicles and pedal bicycles</p>	<p><u>Forensic Analysis</u></p> <p>Examination of wheel assemblies and constituent parts of wheel assemblies (rims, tyres, inner tubes)</p> <p>Identification of damage and defects</p> <ul style="list-style-type: none">- Measurement of tread depth- Measurement of valve back pressure <p>Examination and investigation of cause of failure or defect</p>	<p>Documented in-house method (TP3101) using:</p> <ul style="list-style-type: none">- visual examination,- optical microscopy,- length measurement,- pressure measurement. <p>Documented in-house method (TP3104) using</p> <ul style="list-style-type: none">- visual examination,- optical microscopy,- electrical continuity illumination test.
END		