Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

1873

Accredited to ISO/IEC 17025:2017

Scottish Police Authority
Forensic Services

Issue No: 065 **Issue date:** 08 May 2025

Scottish Crime Campus
Craignethan Drive
Gartcosh
Scotland
G69 8AE

Contact: Craig Donnachie
Tel: +44 (0) 1236 818108
E-Mail: craig.donnachie@spa.police.uk
Website: www.spa.police.uk

Testing performed by the Organisation at the locations specified

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address Scottish Crime Campus Craignethan Drive Gartcosh Scotland G69 8AE	Contact: Craig Donnachie Tel: +44 (0) 1236 818108 E-Mail: Craig.donnachie@spa.police.uk Website: www.spa.police.uk	Forensic Analysis Quality Management	G
Address Rushton Court 3 West Victoria Dock Road Dundee DD1 3JT	Contact: Craig Donnachie Tel: +44 (0) 1236 818108 E-Mail: Craig.donnachie@spa.police.uk Website: www.spa.police.uk	Forensic Analysis	D
Address 11 Howden Hall Road Edinburgh EH16 6TL	Contact: Craig Donnachie Tel: +44 (0) 1236 818108 E-Mail: Craig.donnachie@spa.police.uk Website: www.spa.police.uk	Forensic Analysis	E
Address Nelson Street Aberdeen AB24 5EQ	Contact: Craig Donnachie Tel: +44 (0) 1236 818108 E-Mail: Craig.donnachie@spa.police.uk Website: www.spa.police.uk	Forensic Analysis	A
Address Moore Park J24 Business Park 357 Helen Street Glasgow G51 3AD	Contact: Craig Donnachie Tel: +44 (0) 1236 818108 E-Mail: Craig.donnachie@spa.police.uk Website: www.spa.police.uk	Forensic Analysis	M

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BODY FLUIDS and TISSUES Blood - Whole - Stains - Semen - Whole - Azoospermic Saliva - Whole - Stains - Swabs (buccal cells) Hair Cellular Material Touch DNA Body Tissue - Muscle	<u>Forensic Analysis</u> DNA Profiling: Short Tandem Repeat (STR) DNA profiling for forensic analysis of: - Crime Scene Samples - Subject Samples (Reference and Volunteer) - Crime Scene Samples meeting the requirements of the Custodian for the Purpose of Supply to the National DNA Database - Subject Samples (reference and Volunteer) meeting the requirements of the Custodian for the Purpose of Supply to the National DNA Database <u>Related Opinions and Interpretation</u> Interpretation of DNA profiles generated internally from crime stains (single source/major-minor mixtures/complex mixtures) and reference samples. Statistical analysis and comparison of DNA profiles generated from crime stains with compatible reference DNA profiles (internally generated (SPA FS) or from other accredited laboratories)	Documented in house Methods using automated extraction - Prepfiler Documented in house Methods using manual/automated quantification - - Quantifiler Trio Documented in house Methods using manual/automated amplification (PCR) and the following chemistry: - Globalfiler Documented in house Methods using Electrophoresis - Applied Biosystems 3500xL Genetic Analyser© Documented in house Methods using - GMIDX v1.6 - STRmix v2.6 - MixtureCalc v2.0	G, D G, D, A, E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BODY FLUIDS and TISSUES (cont'd)	Forensic Analysis (cont'd)		
CJ Line Saliva Swabs (buccal cells)	DNA Profiling: Short Tandem Repeat (STR) DNA profiling for forensic analysis of: - Subject Samples - Elimination Database samples (VED/SED and PED) - Subject Samples meeting the requirements of the Custodian for the Purpose of Supply to the National DNA Database	Documented in house methods using manual/automated extraction - Prep-n-go - Chelex (manual extraction – hairs only) Documented in house Methods using manual/automated amplification (PCR) and the following chemistry: - GlobalFiler Express (CJ) Documented in house Methods using Electrophoresis - Applied Biosystems 3500xL Genetic Analyser©	D
	Related Opinions and Interpretation Interpretation of DNA profiles generated internally from crime stains (single source) and reference samples	Documented in house Methods using GMIDX v1.6	D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BODY FLUIDS and TISSUES (cont'd)	<u>Relationship Analysis</u>		
<u>HID Samples</u> Blood - Whole - Stains	Short Tandem Repeat (STR) DNA profiling for relationship testing for: - Paternity - Maternity	Documented in house Methods using manual extraction - QIAMP DNA Mini kit - QIAMP DNA Blood maxi kit	D
Hair Body Tissue - Muscle - Bone - Teeth		Documented in house Methods using manual quantification - Quantifiler Trio Documented in house Methods using manual amplification and the following chemistry: - Globalfiler Documented in house Methods using Electrophoresis - Applied Biosystems 3500xL Genetic Analyser©	
	Statistical analysis and comparison of DNA profiles generated from crime stains with compatible reference DNA profiles (internally generated or from other accredited laboratories)	Documented in house Methods using - GMIDX v1.6	D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BODY FLUIDS and TISSUES (cont'd) Blood - Stains Semen - Whole - Azoospermic Saliva - Whole - Stains - Swabs (buccal cells) Hair Cellular Material Touch DNA Body Tissue - Muscle	<u>Forensic Analysis</u> DNA Profiling: Y - Short Tandem Repeat (Y-STR) DNA profiling for forensic analysis of: - Crime Scene Samples - Subject Samples (Reference and Volunteer) - Elimination Database samples (VED/SED)	Documented in house methods using manual PCR & amplification using the following chemistry: - Powerplex Y23 Documented in house Methods FS-BIO-0204 and FS-BIO-0205 using manual and automated quantification - Quantifiler Trio Documented in house Methods using Electrophoresis - Applied Biosystems 3500xL Genetic Analyser©	G, D
	<u>Related Opinions and Interpretation</u> Interpretation of DNA profiles generated internally from crime stains (single source/majorminor mixtures/complex mixtures) and reference samples. Statistical analysis and comparison of DNA profiles generated from crime stains with compatible reference DNA profiles (internally generated (SPA FS) or from other accredited laboratories)	Documented in house Methods Using - GMIDX v1.6 - YHRD	A, D, E, G

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BODY FLUIDS and TISSUES (cont'd)	Forensic Analysis (cont'd)		
Any material	Searching for: - Blood - Semen - Saliva - Hairs	Documented in house Methods using - visual examination - Low power microscopy - High power microscopy - Chemical testing (see below)	G, D, A, E
Any Material	Recovery and preparation, including for contingency purposes, for subsequent DNA analysis by an ISO/IEC 17025 accredited laboratory of the following from searched materials and swabs - Blood - Semen - Saliva - Hairs - Cellular Material	Documented in house Methods using - cutting - swabs and swabbing - extraction of stained materials - extraction of swabs - taping - mini-taping - Proteinase K	G, D, A, E
Blood	Presumptive testing for Blood via detection of - Peroxidase	Documented in house Methods using: - visual examination - KM (Kastle Meyer)	G, D, A, E
	Related Opinions and Interpretations Identification, interpretation and recording of blood patterns (BPA) on clothing and other items examined at the laboratory	Documented in house Methods using: - visual examination - Low power microscopy	G, D, A, E
Semen	Presumptive testing for seminal fluid via detection of: - Acid Phosphatase	Documented in house Methods using: - visual examination - Acid Phosphatase detection (colour reaction)	G, D, A, E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BODY FLUIDS and TISSUES (cont'd)	Forensic Analysis (cont'd)		
Semen	Confirmatory testing for seminal fluid via identification of Spermatozoa	Documented in house methods using - High power microscopy - Haematoxylin and Eosin staining (H&E) - Christmas Tree Staining	G, D, A, E
Saliva	Presumptive testing for saliva via detection of: - Amylase	Documented in house method using - visual examination - Phadebas tube test - Phadebas paper test	G, D, A, E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BODY FLUIDS and TISSUES - TOXICOLOGY	Forensic Analysis (cont'd)		
Blood (Preserved, Unpreserved)	Detection and quantitation of drugs in relation to s5A of the Road Traffic Act 1988 and Scottish Statutory Instrument no 83 (Cut-Off) [Concentration Range]: Amphetamine (250 ug/L); [100-1500ug/L] Benzoylecgonine(50 µg/L); [10-1000ug/L] Clonazepam (50 µg/L); [5-400ug/L] Cocaine (10 µg/L); [2.5-200ug/L] Diazepam (550 µg/L); [100-1500ug/L] Flunitrazepam (300 µg/L); [100-1500ug/L] Ketamine (20 µg/L); [2.5-200ug/L] Lorazepam (100µg/L); [5-400ug/L] Lysergic Acid Diethylamide – LSD (1µg/L); [0.5-40ug/L] Methadone (500 µg/L); [100-1500ug/L] Methylamphetamine (10 µg/L); [2.5-200ug/L] Methylenedioxymethamphetamine – MDMA (10 µg/L); [2.5-200ug/L] 6-Monoacetylmorphine (5µg/L); [0.5-40ug/L] Morphine (80 µg/L); [5-400ug/L] Oxazepam (300 µg/L); [100-1500ug/L] Temazepam (1000 µg/L); [100-1500ug/L]	Documented in house methods FS-PHY-0735 using - supported liquid extraction - Agilent Ultivo B1 and B2 LC-MS/MS	E
	Detection and quantitation of drugs (Cut-Off); [Concentration Range]: Etizolam (50 µg/L); [10-1000ug/L]	Documented in house methods FS-PHY-0735 using - supported liquid extraction Agilent Ultivo B1 and B2 LC-MS/MS	E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BODY FLUIDS and TISSUES – TOXICOLOGY (cont'd)	Forensic Analysis (cont'd)		
Blood (Preserved, Unpreserved)	Detection and quantitation of drugs in relation to s5A of the Road Traffic Act 1988 and Scottish Statutory Instrument no 83 (as amended) (Cut-off); [Concentration Range]: Cannabis Group : Delta-9-Tetrahydrocannabinol – (THC) (2.0µg/L); [1-25µg/L]	Documented in house (FS-PHY-0767) using: - Supported liquid extraction - Waters TQ-S LCMSMS	E
Blood (Preserved, Unpreserved)	Detection and quantitation of drugs (Cut-off); [Concentration Range]: Metabolites: 11-Hydroxy-Delta-9-Tetrahydrocannabinol (THC-OH) (2µg/L); [1-25µg/L] 11-Nor-9-Carboxy-Delta-9-Tetrahydrocannabinol (THC-COOH) (20µg/L); [10-250µg/L]	Documented in house (FS-PHY-0767) using: - Supported liquid extraction - Waters TQ-S LCMSMS	E
Blood, Urine (Preserved, Unpreserved)	Detection and quantitation of the following in relation to Post Mortem Toxicology (Lower limit of Quantification); [Concentration Range]: Ethanol (25mg/100mL); [10-500mg/100ml]	Documented in house method FS-PHY-1017 using using Headspace GC-Dual FID instrumentation	M
DAMAGE	Forensic Analysis		
Damage (Clothing and Fabric material)	Related Opinions and Interpretations Examination, assessment and evaluation of a damage item, comparison of damage with suspected instrument (excluding firearms) to determine the likelihood the suspected instrument caused the damage	Documented in house Methods using: - visual examination - Microscopy	G, D, A, E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
DOCUMENTS	Forensic Analysis (cont'd)		
Handwriting (Roman Script)	The examination of submitted items to compare handwriting from known and suspect sources to establish links and/or authorship Opinions and Interpretation The evaluation of the significance of any similarities and differences between the handwriting on submitted items and/or suspect/reference sources to determine the likelihood of them being written by the same/different individuals.	Documented in house method using - visual examination - low power microscopy	G
Signatures	The examination of submitted items to compare signatures from known and suspect sources to establish links and/or authorship Opinions and Interpretation The evaluation of the significance of any similarities and differences between signatures on submitted items and/or suspect/reference sources to determine the likelihood of them being written by the same/different individuals.	Documented in house method using - visual examination - low power microscopy	G
Paper and other material	Detection and enhancement of indented marks made by handwriting	Documented in house method using - oblique lighting - low power microscopy - ESDA	G
Documents	Detection of alterations and decipherment of altered or obliterated entries - Paper examinations - Photocopying	Documented in house method using - visual examination - lighting techniques - microscopy - VSC6000	G

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
DRUGS (and materials suspected of containing drugs)	Forensic Analysis (cont'd) Legal classification of controlled drugs (Misuse of Drugs Act 1971)		
	Identification of Cannabis and cannabis resin	Documented in house methodusing - FS-PHY-0002 microscopy - FS-PHY-0008 thin-layer chromatography (TLC) - FS-PHY-0037 gas chromatography mass spectrometry GC-MS	G, D
	Identification of - Amphetamine - Cocaine - Diamorphine - MDMA	Documented in house method using - FS-PHY-0003 spot tests (Marquis reagent/Modified Scott reagent) (D only) - FS-PHY-0037 GC-MS	G, D
	Quantification of - Amphetamine - Diamorphine - Cocaine	Documented in house method using - FS-PHY-0043 HPLC	G, D
	Identification of characteristically marked proprietary pharmaceuticals, illicit copies and other drugs products	Documented in house method using - FS-PHY-0005 visual comparison of appearance, markings - dimensions with reference materials, data collections and descriptions in authoritative texts - TICTAC - FS-PHY-0037 GCMS	G, D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FIREARMS Ammunition	Forensic Analysis (cont'd)		
	Examination of discharged ammunition components to determine the number of guns used	Documented in house method using - comparison microscopy	G
	Examination of cartridges to determine if ammunition has been loaded into a firearm	Documented in house method using - comparison microscopy	G
	Comparison of spent ammunition to suspect guns	Documented in house method using - comparison microscopy	G
	Ammunition and component identification and legal classification	Documented in house method using - weighing - microscopy - length measurement - use of known samples or standard reference data	G
FIREARMS	Firearm and firearm component part identification and legal classification (Firearms Act 1968)	Documented in house method using comparison with known samples, reference standards and publications	G
	Trigger pull measurement	Documented in house method using - dead weights	G
	Determination of Kinetic Energy of projectiles	Documented in house method using - balance and chronograph	G
	Accidental discharge	Documented in house method using - impact and drop tests	G

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FIREARMS (cont'd)	Forensic Analysis (cont'd)		
	Range of fire determination	Documented in house method using test firing with appropriate weapon/ammunition combination and target material to assess range of fire. Comparison of test patterns to exhibits/productions	G
	Test firing to assess the functionality of weapons and/or ammunition	Documented in house method using suspect or reference guns and ammunition	G
	Test firing to generate test samples of ammunition for comparison to exhibits/productions	Documented in house method using suspect or reference guns and ammunition	G
Electric Shock Devices	Identification, classification and function test	Documented in house method using visual examination, function testing and measurement of spark gap	G
Ammunition	Comparison of spent ammunition to suspect guns	Supplier to NABIS using documented In house methods using - IBIS bullet Trax HD3D - IBIS Brass TRax - IBIS Matchpoint Plus	G
GUN SHOT RESIDUE (GSR/FDR)	Forensic Analysis		
Clothing/items from both subjects and loci, FDR Recovery Kits, cartridge cases and bullets	Recovery of in-organic gun shot residues (primer)	Documented in house method using - carbon coated aluminium stubs - taping - swabbing	G
Recovered material	Identification of in-organic gun shot residues (primer) - Lead - Lead Free	Documented in house method (FS-PHY-0363 and FS-PHY-0396) using - SEM/EDX	G

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FLAMMABLE LIQUIDS (FIRE ACCELERANTS)	Forensic Analysis (cont'd)		
Material recovered from and associated with Fire Scenes	Recovery of potential fire accelerants	Documented in-house method (FS-PHY-0204) using - Absorption tubes (TENAX)	G
	Analysis and identification of common fire accelerants: - Petrol - Paraffin - Turpentine substitute - White spirit - Diesel - Alcohols (ethanol)	Documented in house method (FS-PHY-0204 and FS-PHY-0221) using - ATD-GCMS	
	Examination and analysis of the following flammable liquids - Petrol - Paraffin - Turpentine substitute - White spirit - Diesel - Alcohols (ethanol)	Documented in house methods (FS-PHY-0204 and FS-PHY-0221) using - ATD-GCMS	
GLASS	Forensic Analysis		
	Search and Recovery of glass fragments from clothing and objects	Documented in house methods using - visual examination - recovery using brushing and packaging blanks	G

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
GLASS (cont'd)	Forensic Analysis (cont'd)		
	Characterisation of glass fragments	Documented in house method using - Refractive index determination by oil immersion (GRIM) - Low power microscopy - Reannealing by tube furnace	G
	Comparison of recovered glass fragments to control samples recovered from crime scenes	Documented in house method	G
MARKS AND IMPRESSIONS	Forensic Analysis		
Footwear mark	Assessment, Comparison and evaluation of footwear with scene marks	Documented in house method (FS-PHY-0153) using visual comparison	G
Fingermarks Any material which is capable of retaining friction ridge marks	Enhancement of fingermarks and palm marks	Documented In-House Methods using chemical enhancement and lighting techniques: - Acid Dye Treatments (Methanol based): Acid Black 1, Acid Violet 17 Acid Yellow 7 - Cyanoacrylate (CNA) Fuming (including PolyCyano UV) - Basic Yellow 40 (BY40 - ethanol based) - Ninhydrin - Powdering Techniques: Black magnetic powder White magnetic powder - Powder suspension: Iron oxide based - black Titanium dioxide based -white	G, D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
MARKS AND IMPRESSIONS (cont'd)	Forensic Analysis (cont'd)		
Fingermarks Any material which is capable of retaining friction ridge marks (cont'd)	Enhancement of fingermarks and palm marks (cont'd)	Documented In-House Methods using visual and lighting enhancement techniques: - Visual examination - White and filtered sources - High intensity light sources: Crimelite 82s Uv (λ=350-380nm) Blue (λ=420-470nm) Laser Innovations Revelation Laser (λ=532nm) Copper Tree SGL-7 Laser (λ=532nm)	G, D
		Documented In-House Methods for imaging / digital capture - DCS5	G, D
Developed fingerprint marks	Determination of the presence of friction ridge characteristics for the purpose of subsequent comparison	Documented In-House methods using visual examination, low power microscopy	G, D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
PAINTS	Forensic Analysis (cont'd)		
	Search and Recovery of paint and paint fragments from clothing and objects for analysis	Documented in house Method (FS-PHY-0262) using - visual examination - Low power microscopy - Brushing - Scalpel recovery of paint deposits	G
	Comparison of control and recovered samples	Documented in house methods using - high power comparison microscopy (FS-PHY-0275) - FTIR (FS-PHY-0278) - SEM (FS-PHY-0373)	G
VEHICLE COMPONENTS	Forensic Analysis		
Wheel assemblies removed from vehicles (Tyres)	Examination of wheel assemblies and constituent parts of wheel assemblies (rims, tyres, inner tubes)	Documented in house method (FS-PHY-0102) using - visual examination - length measurement - pressure measurement	G
	Identification of damage and defects - Measurement of tread depth - Measurement of valve back pressure	Documented in house method (FS-PHY-0102) using - visual examination - length measurement - pressure measurement	G

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BODY FLUIDS	Forensic Analysis (cont'd)		
Blood (Preserved/Unpreserved) Urine (Perserved/Unpreserved)	Detection and quantification of alcohol in relation to the 1988 Road Traffic Offenders Act • minimum quantification level: 10 mg/100 ml (mg%) • range of quantitative analysis: 10 – 500 mg% Related Opinions and Interpretations	Documented in house Methods (FS-PHY-0706, FS-PHY-0707, FS-PHY-0708 & FS-PHY-0716) using - Headspace GC-FID	E
Alcohol Technical Defence (in relation to RTA and sexual offences) for sample matrix including breath/blood/urine	Estimation of alcohol consumption and elimination with respect to validity of drinking patterns: 1) Effect of alleged post accident alcohol consumption on measured breath/body fluids alcohol levels 2) Effect of alleged spiked drink 3) Back calculations of breath/body fluid alcohol levels to the time of accident or other incident from 8.3 µg% / 20mg% / 27mg% and above	Documented in house methods (FS-PHY-0704 & FS-PHY-0724) using mathematical calculations.	E
FIBRES	Forensic Analysis		
	Recovery of fibres for contingency purposes from clothing and objects	Documented in house Methods using: - Visual examination - taping, - low power microscopy - mounting	A, D, G, E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FIBRES (cont'd)	Forensic Analysis (cont'd)		
	Search and recovery of fibres from clothing and objects for analysis (including tapings)	Documented in house Methods using: - visual examination - low power microscopy and screening - fibre recovery (taping)	A, D, G, E
	Identification of fibre type	Documented in house Methods using: - Polarised light microscopy - FTIR	A
	Comparison of fibre	Documented in house Methods using: - Stereo microscopy - Polarised light microscopy - Comparison microscopy	A
	Spectroscopic analysis of fibres in the visible range for the purpose of comparison of fibres	Documented in house Methods using: - UV and visible microspectrophotometry	A
	Opinion and Interpretation The evaluation of the significance of any matching features between the suspect and reference/control fibre to determine the likelihood of the suspect fibre coming from a specific source	Documented in house Methods	A
HAIRS	Differentiation of Human and Animal hairs	Documented in house Methods using: - Visual examination - Low power microscopy - High power microscopy	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FRICTION RIDGE DETAIL	Forensic Analysis (cont'd)		
Finger and Palm (Non-Cadaver)	Analysis, comparison, and evaluation of Friction Ridge Detail as outlined below for the purpose of: - Criminal Investigation - Elimination Databases		G, D, A, E
Marks - CSI/FEL Recovered Lifts from physical scenes - CSI/FEL Photographs of marks from physical scene - Fingerprint Enhancement Laboratory Recovered Lifts from physical items - Fingerprint Enhancement Laboratory Photographs of marks from physical items - Fingerprint Enhancement Laboratory Digital images of marks from physical items	Comparison with Ten Print - Ink - Powder - Livescan	Documented in house procedures utilising automated search techniques for initial screening to identify candidate items to go forward for manual comparison: - Ident 1 - High Quality Printer - Reference collections Documented in house procedures using visual manual techniques: - Fingerprint glass - Reference collections - Comparators (digital/optical) - High Quality Printer	G, D, A, E G, D, A, E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FRICTION RIDGE DETAIL Finger and Palm (Non-Cadaver) (cont'd)	<u>Forensic Analysis</u> (cont'd) Analysis, comparison, and evaluation of Friction Ridge Detail as outlined below for the purpose of: - Criminal Investigation - Elimination Databases		
Ten Prints - Ink - Powder - Livescan	Comparison with Marks - CSI/FEL Recovered Lifts from physical scenes - CSI/FEL Photographs of marks from physical scenes - Fingerprint Enhancement Laboratory Recovered Lifts from physical items - Fingerprint Enhancement Laboratory photographs of marks from physical exhibits - Fingerprint Enhancement Laboratory Digital images of marks from physical items	Documented in house procedures using visual manual techniques: - Fingerprint glass - Reference collections - Comparators (digital/optical) - High Quality Printer	G, D, A, E
	<u>Opinion and Interpretation</u> The evaluation of the significance of any matching and non-matching features between sources of friction ridge detail as outlined in the above scope of accreditation.	Documented In-House methods using - Personal experience - database	G, D, A, E
END			