Schedule of Accreditation

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United Kingdom Accreditation Service

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Accredited to ISO/IEC 17025:2017

Chief Constable of South Wales Police

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Testing performed by the Organisation at the locations specified

Locations covered by the organisation and their relevant activities

Location details		Activity	Location code
South Wales Police HQ Cowbridge Road Bridgend CF31 3SU	**Local contact:** Mr Steven Robinson E-Mail: Steven.Robinson@south-wales.police.uk	**Forensic Testing:** DNA Recovery Fingerprint Enhancement Fingerprint Comparison Drugs Identification Footwear Enhancement & Comparison Firearms Examination Digital Forensics	A
101 House Mulberry Drive Pontprennau Cardiff CF23 8RS	**Local contact:** Mr Steven Robinson E-Mail: Steven.Robinson@south-wales.police.uk	**Forensic Testing:** Digital Forensics	B

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Forensic Testing	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 in relation to the Forensic Activities listed below. In addition, where compliance has been demonstrated for the related FSA specific requirements this is stated below at the relevant schedule entry.	A, B
BODY FLUIDS and TISSUES	Forensic Testing	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: - Human DNA examination and analysis	A
Any material	Searching for: - Blood	Documented in-house methods (DNACR/SOP/17) using: - Visual examination - Low power microscopy - Chemical testing (see below)	A
	Recovery and preparation, including for contingency purposes, for subsequent DNA analysis by an ISO/IEC 17025 accredited laboratory of the following from searched materials: - Blood - Cellular material	Documented in-house methods (DNACR/SOP/06) using: - Swabs and swabbing - Mini-taping - Cutting	A
Blood	Presumptive testing for Blood via detection of: - Enzyme Activity (Peroxidase)	Documented in-house method (DNACR/SOP/17) using: - KM (Kastle Meyer)	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
DIGITAL DEVICES AND DATA			
Computers	Forensic Testing	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: - Digital forensics	B
Computers and digital storage devices - Hard disk drives - Solid state drives - USB flash drives - Memory cards	Capture and preservation of data from storage devices	Documented in-house methods using: - FTK Imager (DFU/SOP/14) - Tableau TX1 writeblocker (DFU/SOP/13) - Tableau T35is writeblocker (DFU/SOP/14) - Tableau T8u writeblocker (DFU/SOP/14)	B
Computers and digital storage devices - Windows/Linux-based computers	Bootable capture and preservation of data	Documented in-house method using: - Paladin (DFU/SOP/15)	B
Computers and digital storage devices - Apple Mac-based computers	Bootable capture and preservation of data	Documented in-house method using: - Digital Collector (DFU/SOP/16)	B
Closed circuit CCTV	Forensic Testing	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: - Video processing and analysis	A
Digital Video Recorders	Capture and preservation of data - Export video (exporting files using CCTV system, copying via analogue or digital output)	Documented in-house methods (IMAGING/SOP/04) using: - Manual interaction with system and/or device - USB flash drives - Digital Versatile Discs	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
DIGITAL DEVICES AND DATA (cont'd)			
Closed circuit CCTV (cont'd)	Forensic Testing (cont'd)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: - Video processing and analysis	A
Digital Images/Video	Processing of digital images/video	Documented in-house methods (IMG/SOP/05 & IMG/SOP/06) using: - FFMPEG - A range of CCTV proprietary software players - Camtasia	A
	Conversion of digital images/video - Rewrapping	Documented in-house methods (IMG/SOP/05 & IMG/SOP/06) using: - FFMPEG	A
	Conversion of digital images/video - Transcoding	Documented in-house methods (IMG/SOP/05 & IMG/SOP/06) using: - Adobe Premier - FFMPEG - A range of CCTV proprietary software players - Camtasia	A
	Conversion of digital images/video - Screen capturing	Documented in-house methods (IMG/SOP/05 & IMG/SOP/06) using: - A range of CCTV proprietry software players - Camtasia	A

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 Testing (cont'd)		A
	Legal classification of controlled drugs (Misuse of Drugs Act 1971)		A
	Identification of Cannabis, cannabis resin and cannabis products	Documented in-house methods (DRUG/SOP/02 & DRUG/SOP/05) using: - Microscopy - GC-MS	A
	Identification of: - Amphetamine - Cocaine - Diamorphine (Heroin) - Methylenedioxmethyl amphetamine (MDMA)	Documented in-house methods (DRUG/SOP/02 & DRUG/SOP/05) using: - Spot Tests (Marquis Reagent and Cobalt Thiocyanate Reagent) - GC-MS	A
	Identification of: - Ketamine - Methadone	Documented in-house method (DRUG/SOP/05) using: - GC-MS	A
	Quantification of: - Cocaine - Diamorphine (Heroin)	Documented in-house method (DRUG/SOP/06) using: - HPLC-DA	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FIREARMS	Forensic Testing (cont'd)		A
Ammunition	Ammunition and component identification and legal classification	Documented in-house methods (FFE/SOP/03 & FFE/SOP/10) using: - Weighing - Length measurement - Use of known samples or standard reference data	A
Firearms	Firearm and firearm component part identification and legal classification (Firearms Act 1968)	Documented in-house methods (FFE/SOP/03 & FFE/SOP/04) using comparison with known samples, reference standards and publications	A
	Determination of Kinetic Energy of projectiles	Documented in-house method (FFE/SOP/05) using chronograph and balance	A
	Test Firing to assess the functionality of weapons and/or ammunition	Documented in-house method (FFE/SOP/04 & FFE/SOP/10) using suspect or reference guns and ammunition	A
Electrical Shock Devices	Identification, classification and function test	Documented in-house method (FFE/SOP/11) using visual examination, function testing and measurement of spark gap	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
MARKS AND IMPRESSIONS	Forensic Testing (cont'd)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: - Friction Ridge Detail: visualisation and enhancement	A

Fingermarks
Any material which is capable of retaining friction ridge marks
	Enhancement of fingermarks and palm marks	Documented in-house methods using chemical and physical enhancement techniques (method numbers provided in brackets):
		- Cyanoacrylate (CNA) Fuming (FDU-SOP-02)
		- Basic Yellow 40 (BY40), ethanol and aqueous formulations (FDU-SOP-04)
		- 1,8-Diazafluoren-9-one (DFO) (FDU-SOP-05)
		- Ninhydrin (FDU-SOP-03)
		- Powdering Techniques (FDU-SOP-14):
		  - black granular powder
		  - aluminium flake powder
		  - black magnetic powder
		- Powder suspensions (FDU-SOP-13):
		  - Iron oxide based - black
		  - Carbon based - black
		  - Titanium dioxide based white
			A

		Documented in-house methods using visual and lighting techniques (FDU-SOP-11):
		- Visual examination
		- White light and filtered sources
		- High intensity light sources:
		  LED:
		  Blue (λ =430-470nm),
		  Green (λ =480-560nm)
		  Blue (λ =476nm)
		  Green (λ =510nm)
			A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
MARKS AND IMPRESSIONS (cont'd)	Forensic Testing (cont'd)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: - Friction Ridge Detail: visualisation and enhancement	A
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 for imaging / digital capture - DCS5 (FDU-SOP-06)	A
Developed fingerprint marks	Determination of the presence of friction ridge characteristics for the purpose of subsequent comparison	Documented in-house method using visual examination (FDU-SOP-11)	A
FRICTION RIDGE DETAIL COMPARISON	Forensic Testing	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: Friction Ridge Detail: Comparison	A

Friction Ridge Detail:
- Lifts
- Images
	Direct comparison of person(s) of interest	Documented in house manual ACE-V procedure, utilising:
		- Fingerprint glass
		- Comparators (optical)
		- Computer screen
		- Digital Tools:
		  - FISH
		  - AGX LIFT SP
		- High Quality Printer
		- Store & Forward Printer
			A

	Opinion and Interpretation The analysis, comparison and evaluation of the significance of agreement and disagreement between friction ridge detail to determine whether they are from the same or different source.	Documented in-house methods using: - Professional experience - Database	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FOOTWEAR	Forensic Testing (cont'd)		A
	Coding of scene marks	Documented in-house method (FIU/SOP/02) – including use of National Footwear Reference Collection (NFRC)	A
	Coding of Custody prints taken from suspect footwear using gross features	Documented in-house method (FIU/SOP/01 & FIU/SOP/14) – including use of National Footwear Reference Collection (NFRC)	A
	Screening of suspect footwear by pattern type and size	Documented in-house methods (FIU/SOP/03 & FIU/SOP/10) – includes the use of test prints, enhancement techniques, visual comparison, low power microscope	A
	Enhancement of footwear marks recovered from scenes	Documented in-house methods (FIU/SOP/04, 06 & 10) using: - Powders - ESLA - ESDA - Gel lifting - Gel scanning - Digital capture / photography	A
	Production of test marks from suspect footwear	Documented in-house method (FIU/SOP/03) using: - Dynamic oil and magnetic powder on paper - Static powdering - 3-D test impressions (various media including Bio-foam) using dental stone casting	A
Footwear mark (physically or image)	Assessment, comparison and evaluation of footwear marks with scene marks	Documented in-house method (FIU/SOP/03) using: - Visual comparison - Dimensional measurement	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FOOTWEAR (cont'd)	Forensic Testing (cont'd)		A
	Opinion and Interpretation The evaluation of the significance of any matching and non-matching features between the footwear scene impression and reference/control footwear marks	Documented in-house method (FIU/SOP/03) using: - Personal experience - Database	A
END			