Schedule of Accreditation

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Accredited to ISO/IEC 17025:2017

Chief Constable of West Mercia Police

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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
	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.
MARKS and IMPRESSIONS	Forensic Testing	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: • Friction Ridge Detail: visualisation and enhancement
FINGER MARKS		
Any material capable of retaining friction ridge marks	Enhancement of finger marks, palm marks and plantar marks	Documented in-house methods using chemical and physical enhancement techniques (method numbers provided in brackets): - Cyanoacrylate (CNA) Fuming (FS-SOP-FEL-04) - Basic Yellow 40 (BY40) (aqueous & ethanolic) (FS-SOP-FEL-05) - Ninhydrin (FS-SOP-FEL-03) - Powdering Techniques (FS-SOP-FEL-08): Aluminium flake powder Magneta flake powder Black magnetic powder

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
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
FINGER MARKS (cont'd)		
Any material capable of retaining friction ridge marks (cont'd)	Enhancement of finger marks, palm marks and plantar marks (cont'd)	Documented in-house methods using chemical and physical enhancement techniques (method numbers provided in brackets): - Powder Suspensions (FS-SOP-FEL-07): Carbon based - black Titanium Dioxide based - white Iron Oxide based - black - Acid dye treatments – ethanol based (FS-SOP-FEL-14): Acid black 1 Acid yellow 7 - 1,2 – Indandione (FS-SOP-FEL-09) Documented in-house methods using visual and lighting enhancement techniques: - Visual examination - White Light LED (FS-SOP-FEL-01) - High Intensity Light Sources (FS-SOP-FEL-02): LED UV (λ =350-480nm) Violet (λ =395-425nm) Blue (λ =420-470nm) Blue/green (λ =450-510nm), Green (λ =490-560nm) Orange (λ =570-610nm Red (λ =600-650nm) Green (λ =480-560nm) Blue (λ =430-470nm) Green (λ =500-550nm

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
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
FINGER MARKS (cont'd)		
Any material capable of retaining friction ridge marks (cont'd)	Enhancement of finger marks, palm marks and plantar marks (cont'd)	Documented in-house methods for imaging/digital capture: - Digital SLR (FS-SOP-FEL-10)
Developed fingerprint marks	Determination of the presence of friction ridge characteristics for the purpose of subsequent comparison	Documented in-house methods using visual examination (FS-SOP-FEL-01, 02 and FS-WI-FEL-06)

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FRICTION RIDGE DETAIL COMPARISON	Forensic Testing (cont'd)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: • Friction Ridge Detail: comparison

Friction Ridge Detail
- Lifts
- Images
	Searching of FRD	Documented in house procedures utilising automated search techniques for initial screening to identify candidate items to go forward for manual comparison (FS-SOP-FIB-04) using:
		- Ident 1
		- High Quality Printer
		- Store & Forward Printer
		- Computer screen
		- Digital Tools:
		  - DFC
		  - AGX LSP/4

Friction Ridge Detail
- Lifts
- Images
	Direct comparison of person(s) of interest	Documented in house manual ACE-V procedure (FS-SOP-FIB-01 and FS-SOP-FIB-05), utilising:
		- Fingerprint glass
		- Comparators (optical)
		- Computer screen
		- Digital Tools:
		  - DFC
		  - AGX LSP/4
		- High Quality Printer
		- Store & Forward Printer

	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

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FOOTWEAR	Forensic Testing (cont'd)	
Footwear	Coding of scene marks	Documented in-house method (FS-SOP-FWU-01) – *reference to NFRC system (National Footwear Reference Collection)*
	Production of test marks from suspect footwear	Documented in-house method (FS-SOP-FWU-02) using: - Dynamic oil and black magnetic powder method - Static powdering method (aluminium flake & black granular)
Footwear	Enhancement of marks from scenes	Documented in-house methods (FS-SOP-FWU-03 and -04) using: - Gel lifting - Digital capture photography
	Screening of suspect footwear by pattern type, size, wear and feature	Documented in-house method (FS-SOP-FWU-02)
Footwear mark (physically or image)	Assessment, comparison and evaluation of footwear with scene marks	Documented in-house method (FS-SOP-FWU-02) using visual examination and dimensional measurements

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
DIGITAL DEVICES AND DATA	Forensic Testing (cont'd)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: • Digital forensics
Computers		
Computers and digital storage devices - Hard disk drives - Solid state drives	Capture and preservation of data from storage devices	Documented in-house method(s) (FS-SOP-DF-01, FS-SOP-DF-27) using: - FTK Imager - Tableau T35u
Computers and digital storage devices - USB flash drives - Memory cards	Capture and preservation of data from storage devices	Documented in-house method(s) (FS-SOP-DF-01, FS-SOP-DF-27) using: - FTK Imager - Tableau T8u
Computers and digital storage devices - Apple Mac-based computers	Bootable capture and preservation of data	Documented in-house method(s) (FS-SOP-DF-01) using: - Digital Collector
Computers and digital storage devices - Windows-based computers	Bootable capture and preservation of data	Documented in-house method(s) (FS-SOP-DF-01) using: - Paladin
Data associated with the following: - Microsoft Windows - macOS	Processing of data	Documented in-house method(s) (FS-SOP-DF-04) using: - AXIOM
Data associated with the following: - Microsoft Windows - macOS	Analysis of data - Keyword analysis - Manual Bookmarking - File Data Filtering	Documented in-house method(s) (FS-SOP-DF-04) using: - AXIOM

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
DIGITAL DEVICES AND DATA (cont'd)	Forensic Testing (cont'd)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: • Digital forensics
Mobile phones		
Mobile phone handsets and tablets associated with the following operating systems: - Apple iOS - Apple iPadOS - Android - Non-smartphone proprietary systems	Capture and preservation of data	Documented in-house method(s) (FS-SOP-DF-19, 24) using: - XRY - UFED 4PC - Manual examination using Digital Camera, Cellebrite Screenshot
Mobile phone handsets and tablets associated with the following operating systems: - Apple iOS - Apple iPadOS - Android	Capture and preservation of data	Documented in-house method(s) (FS-SOP-DF-24) using: - GrayKey
Mobile phone handsets and tablets associated with the following operating systems: - Apple iOS - Apple iPadOS - Android - Non-smartphone proprietary systems	Processing of data	Documented in-house method(s) (FS-SOP-DF-24) using: - XRY/XAMN - Physical Analyzer
Memory cards associated with mobile phone handsets and tablets	Capture and preservation of data	Documented in-house method(s) (FS-SOP-DF-27) using: - FTK Imager - Tableau T8u
(U)SIM cards	Capture and preservation of data	Documented in-house method(s) (FS-SOP-DF-25) using: - UFED 4PC
(U)SIM cards	Processing of data	Documented in-house method(s) (FS-SOP-DF-25) using: - Physical Analyzer

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
VIDEO MULTIMEDIA RECOVERY, PROCESSING and ANALYSIS	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
Digital Video Recorders	Capture and preservation of data - Export video (exporting files using CCTV system, copying via analogue or digital output)	Documented in-house method(s) (FS-SOP-DF-32) using: - Manufacturers approved method
Digital Storage Devices - Hard disk drives - Solid State Drives	Capture and preservation of data - Transfer/Recovery of data	Documented in-house method(s) (FS-SOP-DF-32) using: - Witness
Digital Storage Devices - Memory cards - USB flash drives - Compact discs - Digital versatile discs	Capture and preservation of data - Imaging/Cloning of device - Transfer/Recovery of data	Documented in-house method(s) (FS-SOP-DF-32) using: - FTK Imager
Digital Images/Video	Processing of digital images/video - Production of digital stills	Documented in-house method(s) (FS-SOP-DF-32) using: - Amped Five - A range of CCTV proprietary software players
END		