


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>7866</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p align="center">Chief Constable of West Mercia Police</p> <p align="center">Issue No: 037 Issue date: 21 May 2025</p>	
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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
<p>MARKS and IMPRESSIONS</p> <p>FINGER MARKS</p> <p>Any material capable of retaining friction ridge marks</p>	<p><u>Forensic Testing</u></p> <p><u>Forensic Analysis</u></p> <p>Enhancement of finger marks, palm marks and plantar marks</p>	<p>The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice in relation to the Forensic Activities listed below.</p> <p>Documented in-house methods using chemical and physical enhancement techniques (method numbers provided in brackets):</p> <ul style="list-style-type: none"> - 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 - Powder Suspensions (FS-SOP-FEL-07): Carbon based - black, Titanium Dioxide based white Iron Oxide based - black - Physical developer (FS-SOP-FEL-15) - Acid dye treatments – ethanol based (FS-SOP-FEL-14) Acid black 1, Acid yellow 7 - 1,2 – Indandione (FS-SOP-FEL-09)



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<p>MARKS and IMPRESSIONS (cont'd)</p> <p>FINGER MARKS (cont'd)</p> <p>Any material capable of retaining friction ridge marks (cont'd)</p>	<p><u>Forensic Analysis</u> (cont'd)</p> <p>Enhancement of finger marks, palm marks and plantar marks (cont'd)</p>	<p>Documented in-house methods using visual and lighting enhancement techniques:</p> <ul style="list-style-type: none"> - Visual examination - White Light Crimelite 2 and 82s (FS-SOP-FEL-01) - High Intensity Light Sources (FS-SOP-FEL-02) <p>Crimelite 82s 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)</p> <p>Crimelite ML2 Uv (λ =350-480nm) Blue (λ =420-470nm), Green (λ =480-560nm)</p> <p>Crimelite 80s Blue (λ =430-470nm) Green (λ =500-550nm)</p>
<p>Any material capable of retaining friction ridge marks</p>	<p>Enhancement of finger marks, palm marks and plantar marks</p>	<p>Documented in-house methods for imaging/digital capture:</p> <ul style="list-style-type: none"> - Digital SLR (FS-SOP-FEL-10)
<p>Developed fingerprint marks</p>	<p>Determination of the presence of friction ridge characteristics for the purpose of subsequent comparison</p>	<p>Documented in-house methods using visual examination (FS-SOP-FEL-01, 02 and FS-WI-FEL-06)</p>



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<p>FRICTION RIDGE DETAIL</p> <p>Finger and Palm (Non-Cadaver)</p> <p><u>Marks</u></p> <ul style="list-style-type: none"> - 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 <p><u>Ten Prints</u></p> <ul style="list-style-type: none"> - Ink - Powder - Livescan 	<p><u>Forensic Analysis (cont'd)</u></p> <p>Analysis, comparison, and evaluation of Friction Ridge Detail as outlined below for the purpose of:</p> <ul style="list-style-type: none"> - Criminal Investigation - Elimination Databases <p><u>Comparison with Ten Prints</u></p> <ul style="list-style-type: none"> - Ink - Powder - Livescan <p><u>Comparison with Marks</u></p> <ul style="list-style-type: none"> - 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 	<p>Documented in house procedures utilising automated search techniques for initial screening to identify candidate items to go forward for manual comparison:</p> <ul style="list-style-type: none"> - Ident 1 - High Quality Printer - Computer screen - Reference collections <p>Documented in house procedures using visual manual techniques:</p> <ul style="list-style-type: none"> - Fingerprint glass - Reference collections - Comparators (optical) - High Quality Printer <p>Documented in house procedures utilising automated search techniques for initial screening to identify candidate items to go forward for manual comparison:</p> <ul style="list-style-type: none"> - Ident 1 - High Quality Printer - Computer screen - Reference collections <p>Documented in house procedures using visual manual techniques:</p> <ul style="list-style-type: none"> - Fingerprint glass - Reference collections - Comparators (optical) - High Quality Printer



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FRICITION RIDGE DETAIL (cont'd)	<u>Forensic Analysis</u> (cont'd)	
Finger and Palm (Non-Cadaver) (cont'd)	<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 <ul style="list-style-type: none"> - Personal experience - database
FOOTWEAR	Coding of scene marks	Documented in house method (FS-SOP-FWU-01) – <i>reference to NFRC system (National Footwear Reference Collection)</i>
	Production of test marks from suspect footwear	Documented in house method (FS-SOP-FWU-02) using <ul style="list-style-type: none"> - Dynamic Oil and Black - Magnetic Powder Method - Static Powdering Method (Aluminium flake & black granular)
	Enhancement of marks from scenes	Documented in house methods <ul style="list-style-type: none"> - Gel lifting - (FS-SOP-FWU-03 and 04) - Digital capture photography and scanning
FOOTWEAR	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



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DIGITAL DEVICES AND DATA	<u>Forensic Analysis</u>	
Computers		
Computers and digital storage devices <ul style="list-style-type: none"> - Hard disk drives - Solid state drives - 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: <ul style="list-style-type: none"> - FTK Imager - Tableau T8u - Tableau T35u
Computers and digital storage devices <ul style="list-style-type: none"> - Apple Mac-based computers 	Bootable capture and preservation of data	Documented in-house method(s) (FS-SOP-DF-01) using: <ul style="list-style-type: none"> - Digital Collector
Computers and digital storage devices <ul style="list-style-type: none"> - Windows/Linux-based computers 	Bootable capture and preservation of data	Documented in-house method(s) (FS-SOP-DF-01) using: <ul style="list-style-type: none"> - Paladin
Data associated with the following: <ul style="list-style-type: none"> - Microsoft Windows - macOS - Linux/Unix 	Processing of data	Documented in-house method(s) (FS-SOP-DF-04) using: <ul style="list-style-type: none"> - AXIOM - X-Ways Forensics
Data associated with the following: <ul style="list-style-type: none"> - Microsoft Windows - macOS - Linux/Unix 	Analysis of data <ul style="list-style-type: none"> - Keyword analysis - Manual Bookmarking - File Data Filtering 	Documented in-house method(s) (FS-SOP-DF-04) using: <ul style="list-style-type: none"> - AXIOM - X-Ways Forensics
Mobile phones		
Mobile phone handsets and tablets associated with the following operating systems: <ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> - XRY - UFED 4PC - Manual examination using Digital Camera, Cellebrite Screenshot



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DIGITAL DEVICES AND DATA (cont'd)	<u>Forensic Analysis</u> (cont'd)	
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-07) 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: - XRY - UFED 4PC
(U)SIM cards	Processing of data	Documented in-house method(s) (FS-SOP-DF-25) using: - XRY - XAMN - Physical Analyzer
VIDEO MULTIMEDIA RECOVERY, PROCESSING and ANALYSIS	<u>Forensic Analysis</u>	
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



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VIDEO MULTIMEDIA RECOVERY, PROCESSING and ANALYSIS (cont'd)	<u>Forensic Analysis (cont'd)</u>	
Digital Storage Devices <ul style="list-style-type: none">- Hard disk drives- Solid State Drives	Capture and preservation of data <ul style="list-style-type: none">- Transfer/Recovery of data	Documented in-house method(s) (FS-SOP-DF-32) using: <ul style="list-style-type: none">- DVR Examiner
Digital Storage Devices <ul style="list-style-type: none">- Memory cards- USB flash drives- Compact discs- Digital versatile discs	Capture and preservation of data <ul style="list-style-type: none">- Imaging/Cloning of device- Transfer/Recovery of data	Documented in-house method(s) (FS-SOP-DF-32) using: <ul style="list-style-type: none">- FTK Imager
Digital Images/Video	Processing of digital images/video <ul style="list-style-type: none">- Production of digital stills	Documented in-house method(s) (FS-SOP-DF-32) using: <ul style="list-style-type: none">- Amped Five- A range of CCTV proprietary software players
END		