


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 7683 Accredited to ISO/IEC 17025:2017	Chief Constable of Derbyshire Constabulary trading as EMSOU-FS	
	Issue No: 050 Issue date: 22 May 2025	
	EMSOU Forensic Services Arrow Centre Annesley Road Hucknall Nottinghamshire NG15 8AY	Contact: Ms Louise Shaw E-Mail: louise.shaw@emsou-fs.police.uk Website: www.derbyshire.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 Arrow Centre Annesley Road Hucknall NG15 8AY United Kingdom	Local contact Ms Louise Shaw E-Mail: louise.shaw@emsou-fs.pnn.police.uk Website: www.derbyshire.police.uk	Forensic Analysis	ARR
Address Discrete location	Local contact Ms Louise Shaw E-Mail: louise.shaw@emsou-fs.pnn.police.uk Website: www.derbyshire.police.uk	Forensic Analysis	DII



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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	<u>Forensic Testing</u>	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice in relation to the Forensic Activities listed below.	
Non-porous materials	<u>Forensic Analysis</u> Recovery and preparation, including for contingency purposes, for subsequent DNA analysis by an ISO/IEC 17025 accredited laboratory of the following, from previously identified / indicated suspected blood stains (excludes searching) <ul style="list-style-type: none">- Blood	Documented in-house method (FS-TP-04) using: <ul style="list-style-type: none">- Swabs and swabbing	ARR
Non-porous materials	Presumptive testing for blood via detection of: <ul style="list-style-type: none">- Peroxidase	Documented in-house method (FS-WI-18) using: <ul style="list-style-type: none">- KM (Kastle Meyer)	ARR
Non-porous materials	Recovery and preparation, including for contingency purposes, for subsequent DNA analysis by an ISO/IEC 17025 accredited laboratory of the following from searched materials: <ul style="list-style-type: none">- Cellular material	Documented In-House Methods (FS-TP-04) using: <ul style="list-style-type: none">- Swabs and swabbing	ARR



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DRUGS (and materials suspected of containing drugs)	<u>Forensic Analysis</u> (cont'd) Legal classification of controlled drugs (Misuse of Drugs Act 1971) Identification of; <ul style="list-style-type: none">- Amphetamine- Cocaine- Delta-9-THC- Diazepam- Dihydrocodeine- Heroin- Ketamine- Methadone- Methylamphetamine- Methylenedioxymethyl amphetamine (MDMA)- Methylmethcathinone (MMC)	Documented in-house method (FS-TP-201 and FS-TP-205) using GCMS	ARR
	Identification of additives and diluents commonly associated with drugs; <ul style="list-style-type: none">- Benzocaine- Caffeine- Ibuprofen- Lidocaine- Paracetamol- Phenacetin- Tetramisole	Documented in-house method (FS-TP-201 and FS-TP-205) using GCMS	ARR
	Quantification of; <ul style="list-style-type: none">- Amphetamine- Heroin- Methylenedioxymethyl amphetamine (MDMA)	Documented in-house method (FS-TP-201 and FS-TP-203) using HPLC	ARR



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
MARKS AND IMPRESSIONS Fingermarks Any material which is capable of retaining friction ridge marks	<u>Forensic Analysis</u> (cont'd) Enhancement of fingermarks and palm marks	Documented In-House Methods using chemical and physical enhancement techniques (method numbers provided in brackets) : <ul style="list-style-type: none">- Acid Dye Treatments - Ethanol formulation (FS/TP/305) : Acid Black 1, Acid Violet 17 Acid Yellow 7 (- Cyanoacrylate (CNA) Fuming (FS/TP/300)- Basic Yellow 40 (BY40) ethanol formulation (FS/TP/304)- Ninhydrin (FS/TP/302)- Powder Suspension (FS/TP/310) Iron oxide based – black Carbon based – black Titanium dioxide based - white- Solvent Black 3 (FS/TP/322)- 1,2-Indandione (FS/TP/324)	ARR



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MARKS AND IMPRESSIONS (cont'd) Fingermarks Any material which is capable of retaining friction ridge marks (cont'd)	<u>Forensic Analysis</u> (cont'd) Enhancement of fingermarks and palm marks (cont'd)	Documented In-House Methods using visual and lighting enhancement techniques <ul style="list-style-type: none">- Visual examination- White Light and Filtered Sources (FS/TP/312)- High Intensity Light Sources (FS/TP/312) Crimelites: UV ($\lambda=350-380\text{nm}$) Violet ($\lambda=395-425\text{nm}$) Blue ($\lambda=420-470\text{nm}$) Blue/Green ($\lambda=445-510\text{nm}$) Green ($\lambda=480-560\text{nm}$) Orange ($\lambda=570-610\text{nm}$) Crimelite ML: Blue ($\lambda=440-469\text{nm}$)	ARR
Developed fingerprint marks	Determination of the presence of friction ridge characteristics for the purpose of subsequent comparison	Documented In-House Methods for imaging / digital capture (FS/TP/307) <ul style="list-style-type: none">- DCS5 Documented In-House methods using visual examination (FS/TP/308)	ARR



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FRICITION RIDGE DETAIL	<u>Forensic Analysis</u> (cont'd)		
Finger and Palm (Non-Cadaver)	Analysis, comparison, and evaluation of Friction Ridge Detail as outlined below for the purpose of: <ul style="list-style-type: none">- Criminal Investigation- Elimination Databases		ARR
<u>Marks</u> <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	<u>Comparison with Ten Prints</u> <ul style="list-style-type: none">- Ink- Powder- Livescan	Documented in house procedures (FS-TP-500) using visual manual techniques: <ul style="list-style-type: none">- Fingerprint glass- Reference collections- Comparators (optical)- Computer screen- High Quality Printer- Mark enhancement software<ul style="list-style-type: none">o FISH Documented in house procedures (FS-TP-505) utilising automated search techniques for initial screening to identify candidate items to go forward for manual comparison: <ul style="list-style-type: none">- Ident 1- Digital workflow- High Quality Printer- Computer screen- Reference collections	ARR



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FRICITION RIDGE DETAIL (cont'd)	<u>Forensic Analysis</u> (cont'd)		
Finger and Palm (Non-Cadaver) (cont'd)	Analysis, comparison, and evaluation of Friction Ridge Detail as outlined below for the purpose of: (cont'd) <ul style="list-style-type: none">- Criminal Investigation- Elimination Databases		ARR
<u>Ten Prints</u> <ul style="list-style-type: none">- Ink- Powder- Livescan	<u>Comparison with Marks</u> <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	Documented in house procedures (FS-TP-500) using visual manual techniques: <ul style="list-style-type: none">- Fingerprint glass- Reference collections- Comparators (optical)- Computer screen- High Quality Printer- Mark enhancement software<ul style="list-style-type: none">o FISH Documented in house procedures (FS-TP-505) utilising automated search techniques for initial screening to identify candidate items to go forward for manual comparison: <ul style="list-style-type: none">- Ident 1- High Quality Printer- Computer screen- Reference collections	ARR
	<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	ARR



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DIGITAL DEVICES AND DATA	<u>Forensic Analysis</u> (cont'd)		
Computers			
Computers and digital storage devices <ul style="list-style-type: none"> - Hard disk drives - Solid state drives - Memory cards - USB flash drives - M.2 SSD 	Capture and preservation of data from storage devices	Documented in-house method(s) (FS-TP-800) using: <ul style="list-style-type: none"> - FTK Imager - Tableau T35u - Tableau T7U - TX1 	DII
Data associated with the following: <ul style="list-style-type: none"> - Microsoft Windows - macOS - Linux/Unix 	Processing of data	Documented in-house method(s) (EMS-TP-007) using: <ul style="list-style-type: none"> - AXIOM 	DII
Mobile Devices			
Mobile phone handsets and tablets associated with the following operating systems: <ul style="list-style-type: none"> - Apple iOS - Android - Non-smartphone proprietary systems 	Capture and preservation of data	Documented in-house methods using: <ul style="list-style-type: none"> - XRY (EMS-WI-032 & - 033) - UFED 4PC (EMS-WI-034) - Manual examination with Digital Camera 	DII
Mobile phone handsets and tablets associated with the following operating systems: <ul style="list-style-type: none"> - Apple iOS - Android - Non-smartphone proprietary systems 	Processing of data	Documented in-house method(s) (FS-TP-811)using: <ul style="list-style-type: none"> - XAMN (EMS-WI-032 & - 033) - Physical Analyzer (EMS-WI-035) 	DII



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DIGITAL DEVICES AND DATA (cont'd)	<u>Forensic Analysis</u> (cont'd)		
Mobile phones (cont'd)			
(U)SIM cards	Capture and preservation of data	Documented in-house method(s) (FS/TP/811) using: <ul style="list-style-type: none">- XRY (EMS-WI-032 & - 033)- UFED 4PC (EMS-WI-034)- Manual examination	DII
(U)SIM cards	Processing of data	Documented in-house method(s) (FS-TP-811) using: <ul style="list-style-type: none">- XAMN (EMS-WI-032 & - 033)- Physical Analyzer (EMS-WI-035)	DII
Memory cards associated with mobile phone handsets and tablets	Capture and preservation of data	Documented in-house method(s) (FS-TP-811) using: <ul style="list-style-type: none">- XRY (EMS-WI-032 & - 033)- UFED 4PC (EMS-WI-034)- Manual examination	DII
Memory cards associated with mobile phone handsets and tablets	Processing of data	Documented in-house method(s) (FS-TP-811) using: <ul style="list-style-type: none">- XAMN (EMS-WI-032 & - 033)- Physical Analyzer (EMS-WI-034)	DII
END			