


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>7683</b> Accredited to ISO/IEC 17025:2017	<b>Chief Constable of Derbyshire Constabulary</b> <b>Issue No: 053 Issue date: 01 October 2025</b>	
	<b>EMSOU Forensic Services</b> Arrow Centre Annesley Road Hucknall Nottinghamshire NG15 8AY	<b>Contact: Ms Louise Shaw</b> <b>E-Mail: <a href="mailto:louise.shaw@emsou-fs.police.uk">louise.shaw@emsou-fs.police.uk</a></b> <b>Website: <a href="http://www.derbyshire.police.uk">www.derbyshire.police.uk</a></b>
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
<b>Address</b> Arrow Centre Annesley Road Hucknall NG15 8AY United Kingdom	<b>Local contact</b> Ms Louise Shaw  E-Mail: <a href="mailto:louise.shaw@emsou-fs.pnn.police.uk">louise.shaw@emsou-fs.pnn.police.uk</a> Website: <a href="http://www.derbyshire.police.uk">www.derbyshire.police.uk</a>	Forensic Analysis ARR
<b>Address</b> Discrete location	<b>Local contact</b> Ms Louise Shaw  E-Mail: <a href="mailto:louise.shaw@emsou-fs.pnn.police.uk">louise.shaw@emsou-fs.pnn.police.uk</a> Website: <a href="http://www.derbyshire.police.uk">www.derbyshire.police.uk</a>	Forensic Analysis DII





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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
<p>BODY FLUIDS and TISSUES (cont'd)</p> <p>Non-porous materials</p>	<p><u>Forensic Analysis</u> (cont'd)</p> <p>Recovery and preparation, including for contingency purposes, for subsequent DNA analysis by an ISO/IEC 17025 accredited laboratory of the following from searched materials:</p> <ul style="list-style-type: none"> <li>- Cellular material</li> </ul>	<p>The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements:</p> <ul style="list-style-type: none"> <li>• Human DNA examination and analysis</li> </ul> <p>Documented In-House Methods (FS-TP-04) using:</p> <ul style="list-style-type: none"> <li>- Swabs and swabbing</li> </ul>	<p>ARR</p>



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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"> <li>- Amphetamine</li> <li>- Cocaine</li> <li>- Delta-9-THC</li> <li>- Diazepam</li> <li>- Dihydrocodeine</li> <li>- Heroin</li> <li>- Ketamine</li> <li>- Methadone</li> <li>- Methylamphetamine</li> <li>- Methylenedioxymethyl amphetamine (MDMA)</li> <li>- Methylenmethcathinone (MMC)</li> </ul>	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"> <li>- Benzocaine</li> <li>- Caffeine</li> <li>- Ibuprofen</li> <li>- Lidocaine</li> <li>- Paracetamol</li> <li>- Phenacetin</li> <li>- Tetramisole</li> </ul>	Documented in-house method (FS-TP-201 and FS-TP-205) using GCMS	ARR
	Quantification of; <ul style="list-style-type: none"> <li>- Amphetamine</li> <li>- Heroin</li> <li>- Methylenedioxymethyl amphetamine (MDMA)</li> </ul>	Documented in-house method (FS-TP-201 and FS-TP-203) using HPLC	ARR



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<p>MARKS AND IMPRESSIONS</p> <p>Fingermarks Any material which is capable of retaining friction ridge marks</p>	<p><u>Forensic Analysis</u> (cont'd)</p> <p>Enhancement of fingermarks and palm marks</p>	<p>The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements:</p> <ul style="list-style-type: none"> <li>• Friction Ridge Detail: visualisation and enhancement</li> </ul> <p>Documented In-House Methods using chemical and physical enhancement techniques (method numbers provided in brackets) :</p> <ul style="list-style-type: none"> <li>- Acid Dye Treatments - Ethanol formulation (FS/TP/305) : Acid Black 1, Acid Violet 17 Acid Yellow 7 (</li> <li>- Cyanoacrylate (CNA) Fuming (FS/TP/300)</li> <li>- Basic Yellow 40 (BY40) ethanol formulation (FS/TP/304)</li> <li>- Ninhydrin (FS/TP/302)</li> <li>- Powder Suspension (FS/TP/310) Iron oxide based – black Carbon based – black Titanium dioxide based - white</li> <li>- Solvent Black 3 (FS/TP/322)</li> <li>- 1,2-Indandione (FS/TP/324)</li> <li>- Vacuum Metal Deposition (FS-TP-326)</li> </ul>	<p>ARR</p>



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<p>MARKS AND IMPRESSIONS (cont'd)</p> <p>Fingermarks Any material which is capable of retaining friction ridge marks (cont'd)</p>	<p><u>Forensic Analysis</u> (cont'd)</p> <p>Enhancement of fingermarks and palm marks (cont'd)</p>	<p>The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements:</p> <ul style="list-style-type: none"> <li>• Friction Ridge Detail: visualisation and enhancement</li> </ul> <p>Documented In-House Methods using visual and lighting enhancement techniques</p> <ul style="list-style-type: none"> <li>- Visual examination</li> <li>- White Light and Filtered Sources (FS/TP/312)</li> <li>- High Intensity Light Sources (FS/TP/312)</li> </ul> <p>Crimelites: UV (<math>\lambda=350-380\text{nm}</math>) Violet (<math>\lambda=395-425\text{nm}</math>) Blue (<math>\lambda=420-470\text{nm}</math>) Blue/Green (<math>\lambda=445-510\text{nm}</math>) Green (<math>\lambda=480-560\text{nm}</math>) Orange (<math>\lambda=570-610\text{nm}</math>) Crimelite ML: Blue (<math>\lambda=440-469\text{nm}</math>)</p>	<p>ARR</p>
<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 for imaging / digital capture (FS/TP/307)</p> <ul style="list-style-type: none"> <li>- DCS5</li> </ul> <p>Documented In-House methods using visual examination (FS/TP/308)</p>	<p>ARR</p>



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MARKS AND IMPRESSIONS (cont'd)	<u>Forensic Analysis</u> (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	
FRICTION RIDGE DETAIL  Finger and Palm (Non-Cadaver)	<u>Forensic Analysis</u>  Analysis, comparison, and evaluation of Friction Ridge Detail as outlined below for the purpose of:  - Criminal Investigation - Elimination Databases		ARR
<u>Marks</u> - 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> - Ink - Powder - Livescan	Documented in house procedures (FS-TP-500) using visual manual techniques: - Fingerprint glass - Reference collections - Comparators (optical) - Computer screen - High Quality Printer - Mark enhancement software 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: - 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)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements:	
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"> <li>• Friction Ridge Detail: visualisation and enhancement</li> </ul>	ARR
<u>Ten Prints</u>	<u>Comparison with Marks</u>	Documented in house procedures (FS-TP-500) using visual manual techniques:	ARR
<ul style="list-style-type: none"> <li>- Ink</li> <li>- Powder</li> <li>- Livescan</li> </ul>	<ul style="list-style-type: none"> <li>- CSI/FEL Recovered Lifts from physical scenes</li> <li>- CSI/FEL Photographs of marks from physical scenes</li> <li>- Fingerprint Enhancement Laboratory Recovered Lifts from physical items</li> <li>- Fingerprint Enhancement Laboratory photographs of marks from physical exhibits</li> </ul>	<ul style="list-style-type: none"> <li>- Fingerprint glass</li> <li>- Reference collections</li> <li>- Comparators (optical)</li> <li>- Computer screen</li> <li>- High Quality Printer</li> <li>- Mark enhancement software               <ul style="list-style-type: none"> <li>o FISH</li> </ul> </li> </ul>	
	<u>Opinion and Interpretation</u>	Documented In-House methods using	ARR
	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.	<ul style="list-style-type: none"> <li>- Personal experience</li> <li>- database</li> </ul>	



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DIGITAL DEVICES AND DATA	<u>Forensic Analysis</u> (cont'd)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements:	
Computers		<ul style="list-style-type: none"> <li>Digital forensics</li> </ul>	
Computers and digital storage devices <ul style="list-style-type: none"> <li>- Hard disk drives</li> <li>- Solid state drives</li> <li>- Memory cards</li> <li>- USB flash drives</li> <li>- M.2 SSD</li> </ul>	Capture and preservation of data from storage devices	Documented in-house method(s) (FS-TP-800) using: <ul style="list-style-type: none"> <li>- FTK Imager</li> <li>- Tableau T35u</li> <li>- Tableau T7U</li> <li>- TX1</li> </ul>	DII
Data associated with the following: <ul style="list-style-type: none"> <li>- Microsoft Windows</li> <li>- macOS</li> <li>- Linux/Unix</li> </ul>	Processing of data	Documented in-house method(s) (EMS-TP-007) using: <ul style="list-style-type: none"> <li>- AXIOM</li> </ul>	DII
Mobile Devices			
Mobile phone handsets and tablets associated with the following operating systems: <ul style="list-style-type: none"> <li>- Apple iOS</li> <li>- Android</li> <li>- Non-smartphone proprietary systems</li> </ul>	Capture and preservation of data	Documented in-house methods using: <ul style="list-style-type: none"> <li>- XRY (EMS-WI-032 &amp; - 033)</li> <li>- Manual examination with Digital Camera</li> </ul>	DII
Mobile phone handsets and tablets associated with the following operating systems: <ul style="list-style-type: none"> <li>- Apple iOS</li> <li>- Android</li> <li>- Non-smartphone proprietary systems</li> </ul>	Processing of data	Documented in-house method(s) (FS-TP-811)using: <ul style="list-style-type: none"> <li>- XAMN (EMS-WI-032 &amp; - 033)</li> </ul>	DII



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DIGITAL DEVICES AND DATA (cont'd)	<u>Forensic Analysis</u> (cont'd)	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements:	
Mobile phones (cont'd)		<ul style="list-style-type: none"> <li>Digital forensics</li> </ul>	
(U)SIM cards	Capture and preservation of data	Documented in-house method(s) (FS/TP/811) using: <ul style="list-style-type: none"> <li>XRY (EMS-WI-032 &amp; -033)</li> <li>UFED 4PC (EMS-WI-034)</li> </ul>	DII
(U)SIM cards	Processing of data	Documented in-house method(s) (FS-TP-811) using: <ul style="list-style-type: none"> <li>XAMN (EMS-WI-032 &amp; -033)</li> <li>Physical Analyzer (EMS-WI-035)</li> </ul>	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"> <li>XRY (EMS-WI-032 &amp; -033)</li> <li>UFED 4PC (EMS-WI-034)</li> </ul>	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"> <li>XAMN (EMS-WI-032 &amp; -033)</li> <li>Physical Analyzer (EMS-WI-034)</li> </ul>	DII

END