


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 7737 Accredited to ISO/IEC 17025:2017	Chief Constable of West Yorkshire Police Issue No: 024 Issue date: 20 July 2021	
	West Yorkshire Police Sir Alec Jefferys Building Peel Avenue Calder Park Wakefield WF2 7UA	Contact: Mr Garry Boucher Tel: No Commercial Enquiries E-Mail: No Commercial Enquiries
Testing performed at the above address only		

Laboratory locations:

Location	Activity
As above	Delivery of the forensic services, listed below, through the Yorkshire and the Humber Regional Scientific Support Services (YatH RSSS) and Regional Digital Forensic Unit (RDFU) in collaboration with West Yorkshire Police, North Yorkshire Police, South Yorkshire Police and Humberside Police



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>BODY FLUIDS and TISSUES</p> <p>Any Material</p> <p>Blood</p>	<p><u>Forensic Analysis</u></p> <p>Searching for:</p> <ul style="list-style-type: none"> - Blood <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"> - Blood - Cellular Material <p>Presumptive testing for Blood via detection of:</p> <ul style="list-style-type: none"> - Peroxidase 	<p>The organisation has demonstrated adherence to the relevant requirements of Forensic Science Regulators Code of Practice and Conduct in relation to their Forensic activity.</p> <p>Documented in-house method (RSSS_QM_01) using:</p> <ul style="list-style-type: none"> - Visual examination - Low power microscopy <p>Documented in-house method (RSS_QM_01) using:</p> <ul style="list-style-type: none"> - Cutting - Swabs and swabbing - Mini-taping <p>Documented in-house method (RSSS_QM_01) using:</p> <ul style="list-style-type: none"> - Visual examination - LMG (Leucomalachite Green)



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<p>DIGITAL FORENSICS</p> <p>Digital Video including CCTV footage</p> <ul style="list-style-type: none"> - Hard disk drives - Solid state drives - Memory cards - USB flash drives - Compact discs - Digital versatile discs <p>Digital images/video</p>	<p><u>Forensic Analysis</u></p> <p>Production of digital stills (<i>viewing and presentation purposes/Comparison Purposes</i>)</p> <p>Digital video conversion (<i>viewing and presentation purposes/Comparison Purposes</i>)</p> <p>Enhancement of digital images/video:</p> <ul style="list-style-type: none"> - Brightness - Contrast - Aspect ratio - Sharpening - Zoom - De-noise - Motion de-blur - Motion smoothing <p>Production of digital video (<i>viewing and presentation purposes/Comparison Purposes</i>)</p>	<p>Documented in-house method (RSSS_QM_DFU_01) using:</p> <ul style="list-style-type: none"> - Range of CCTV proprietary software players - Snipping tool <p>Documented in-house method (RSSS_QM_DFU_01) using:</p> <ul style="list-style-type: none"> - A range of CCTV proprietary software players - Amped FIVE - Microsoft Windows Media Player - VideoLAN VLC Media Player - TechSmith Camtasia - Nero Platinum Suite <p>Documented in-house method (RSSS_QM_DFU_01) using: Amped FIVE</p> <p>Documented in-house method (RSSS_QM_DFU_01) using:</p> <ul style="list-style-type: none"> - Nero Platinum Suite



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
DIGITAL FORENSICS (cont'd)	<u>Forensic Analysis (cont'd)</u>	
Computers (WYP DFU)		
Computers and digital storage devices <ul style="list-style-type: none"> - Hard disk drives - Solid state drives - Memory cards - USB flash drives 	Physical capture and preservation of data	Documented in-house method(s) (RSSS_QM_DFU_01) using: <ul style="list-style-type: none"> - X-Ways Forensics - Tableau TX1 - Guidance Tableau T35u - Guidance Tableau T8u - USB Write Protector
Computers and digital storage devices <ul style="list-style-type: none"> - M.2 SSD 	Physical capture and preservation of data	Documented in-house method(s) (RSS_QM_DFU_01) using: <ul style="list-style-type: none"> - Tableau TX1 - X-Ways
Computers and digital storage devices <ul style="list-style-type: none"> - Hard disk drives - Solid state drives 	Physical capture and preservation of data	Documented in-house method(s) (RSSS_QM_DFU_01) using: <ul style="list-style-type: none"> - MacQuisition
Data associated with the following: <ul style="list-style-type: none"> - Microsoft Windows - macOS 	Processing and analysis of data	Documented in-house method(s) (RSSS_QM_DFU_01) using: <ul style="list-style-type: none"> - Magnet AXIOM - Griffeye Analyze - X-Ways Forensics - MD5 VFC - VMWare - AccessData FTK Imager
Mobile phones		
Mobile phone handsets and tablets associated with the following operating systems: <ul style="list-style-type: none"> - Google Android - Non-smartphone proprietary systems 	Physical capture and preservation of data	Documented in-house method(s) (RSSS_QM_DFU_01) using: <ul style="list-style-type: none"> - XRY - UFED Touch2
Mobile phone handsets and tablets associated with the following operating systems: <ul style="list-style-type: none"> - Apple iOS - Google Android - Non-smartphone proprietary systems 	Logical capture and preservation of data	Documented in-house method(s) (RSSS_QM_DFU_01) using: <ul style="list-style-type: none"> - XRY - UFED Touch2 - Physical Analyzer - Manual examination



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DIGITAL FORENSICS (cont'd)	<u>Forensic Analysis (cont'd)</u>	
Mobile phones (cont'd)		
Mobile phone handsets and tablets associated with the following operating systems: - Apple iOS - Google Android - Non-smartphone proprietary systems	Processing of data	Documented in-house method(s) (RSSS_QM_DFU_01) using: - XAMN - XRY - Physical Analyzer
(U)SIM cards	Logical capture and preservation of data	Documented in-house method(s) (RSSS_QM_DFU_01) using: - UFED Touch2
	Processing of data	Documented in-house method(s) (RSSS_QM_DFU_01) using: - Physical Analyzer
Memory cards associated with mobile phone handsets and tablets	Physical capture and preservation of data	Documented in-house method(s) (RSSS_QM_DFU_01) using: - X-Ways Forensics
	Processing of data	Documented in-house method(s) (RSSS_QM_DFU_01) using: - X-Ways Forensics Physical Analyzer
DIGITAL FORENSICS (Cont'd)	Forensic Analysis (cont'd)	
Computers: RDFU (Regional Digital Forensic Unit)	Physical capture and preservation of data	
Computers and digital storage devices - Hard disk drives Solid state drives Memory cards USB flash drives	Physical capture and preservation of data	Documented in-house method(s) (RSSS_QM_DFU_01) using: - XWays Forensic - Tableau TX1
Computers and digital storage devices - Hard disk drives - Solid state drives	Processing and analysis of data	Documented in-house method(s) (RSSS_QM_DFU_01) using: - Macquisition



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Data associated with the following: - Microsoft Windows - macOS	Physical capture and preservation of data	Documented in-house method(s) (RSSS_QM_DFU_01) using: - XWays Forensics - AXIOM - VFC
Mobile phone handsets and tablets associated with the following operating systems: - Google Android - Non-smartphone proprietary systems	Logical capture and preservation of data	Documented in-house method(s) (RSSS_QM_DFU_01) using: - XRY - UFED
Mobile phone handsets and tablets associated with the following operating systems: - Apple iOS - Google Android - Non-smartphone proprietary systems	Processing of data	Documented in-house method(s) (RSSS_QM_DFU_01) using: - XRY - UFED
Mobile phone handsets and tablets associated with the following operating systems: - Apple iOS - Google Android - Non-smartphone proprietary systems	Logical capture and preservation of data	Documented in-house method(s) (RSSS_QM_DFU_01) using: - XRY - Physical Analyzer
(U)SIM Cards	Processing of data	
	Physical capture and preservation of data	Documented in-house method(s) (RSSS_QM_DFU_01) using: - UFED
Memory cards associated with mobile phone handsets and tablets	Processing of data	Documented in-house method(s) (RSSS_QM_DFU_01) using: - Physical Analyzer
		Documented in-house method(s) (RSSS_QM_DFU_01) using: - XWays Forensics
		Documented in-house method(s) (RSSS_QM_DFU_01) using: - X-Ways Forensic Physical analyzer



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<p>MARKS AND IMPRESSIONS</p> <p>Fingermarks Any material which is capable of retaining friction ridge marks</p> <p>Developed fingerprint marks</p> <p>Fingermark and palm mark friction ridge detail</p>	<p><u>Forensic Analysis (cont'd)</u></p> <p>Enhancement of fingermarks and palm marks</p> <p>Determination of the presence of friction ridge characteristics for the purpose of subsequent comparison</p> <p>Visual analysis, comparison and evaluation of recovered friction ridge detail with finger, thumb and palm from:</p> <ul style="list-style-type: none"> - Known ink TENPRINTS - Known electronic TENPRINTS 	<p>Documented in-house method (RSSS_QM_FEL 01) using chemical enhancement and lighting techniques:</p> <ul style="list-style-type: none"> - Cyanoacrylate (CNA) fuming - Basic yellow 40 (BY40) Ethanol and aqueous formulations - Ninhydrin - Powder suspension: iron oxide, carbon black and titanium white - 1,2-Indandione - Acid treatments (Acid Black 1, Acid Yellow 7, Acid Violet 17: Ethanolic, Methanolic and Aqueous formulations) - Vacuum Metal Deposition (Au/Zn, Ag) <p>Documented in-house method (RSSS_QM_FEL 01) using lighting techniques:</p> <ul style="list-style-type: none"> - White light and filtered sources - High energy light sources <ul style="list-style-type: none"> o <u>Green laser ($\lambda=532$ nm)</u> o <u>Blue crimelite ($\lambda=420-470$ nm)</u> o <u>Labino UV lamp ($\lambda=365$ nm)</u> <p>Documented in-house method (RSSS_QM_FP_01) using:</p> <ul style="list-style-type: none"> - Visual examination, - Low power magnification, comparators, dimensional measurements - Reference databases



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<p>MARKS AND IMPRESSIONS (cont'd)</p> <p>Fingermark and palm mark friction ridge detail (cont'd)</p> <p>Footwear</p>	<p><u>Forensic Analysis (cont'd)</u></p> <p><u>Opinion and Interpretation</u> The evaluation of features between Fingermark and palm mark friction ridge detail</p> <p>Coding of scene marks</p> <p>Screening of suspect footwear by pattern type, size, wear and general patterns</p> <p>Enhancement of footwear marks recovered from scenes</p> <p>Production of test marks from suspect footwear</p> <p>Assessment, comparison and evaluation of footwear with scene marks</p> <p><u>Opinion and Interpretation</u> The evaluation of the significance of any matching and non-matching features between the footwear scene impression and reference/control footwear marks</p>	<p>Documented in-house method (RSSS_QM_FP_01) using:</p> <ul style="list-style-type: none"> - Personal experience - Database <p>Documented in-house method (RSSS_QM_FW_01) – <i>reference to NFRC system (National Footwear Reference Collection)</i></p> <p>Documented in-house method (RSS_QM_FW_01)</p> <p>Documented in-house method (RSS_QM_FW_01) using</p> <ul style="list-style-type: none"> - ESLA - gel lifting - gel scanning - Digital capture <p>Documented in-house method (RSS_QM_FW_01) using aluminium and black powder</p> <p>Documented in-house methods using visual examination and dimensional measurements</p> <p>Documented in-house methods using:</p> <ul style="list-style-type: none"> - Personal experience - Local Test Mark Collections - NRFC database
END		