IPhone Forensics The Defensible Mobile Evidence Bundle

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iPhone Forensics: The Defensible MobileEvidence BundleBringing the Whole iPhone Block Together: From Seizure to a Bundle ThatSurvives ChallengeCOMPUTER FORENSICS LAB§ ABOUT THE AUTHORPREPARED BY COMPUTER FORENSICS LAB E-DISCOVERY TEAMCONVERGENCE & WEAKEST-LINK TESTING CPR PART 35 EXPERT REPORT SFULL CHAIN-OF-CUSTODY DOCUMENTATION§ CONTENTSIn this guide01 Executive summary02 The problem in plain English: many sources, one bundle03 The sources the iPhone block established04 Building the bundle: seizure to report05 Convergence and the weakest link06 Testing the bundle against challenge07 Deployment: presenting a bundle that survives08 Source architecture: the whole iPhone estate09 Worked examples10 Common mistakes and technical limitations11 Questions to ask · Suggested wording12 Checklist and red flags · When to involve a digital forensic expert13 Frequently asked questions14 Glossary · References · Disclaimer · How a specialist laboratory can assist§ 01 · ORIENTATIONExecutive summaryThe headline point: the iPhone's many sources, device, backups, account, Watch and estate, become usefulonly when assembled into one coherent, defensible bundle, defensible not because any single source is strongunbroken, and every conclusion is stated at honest confidence.§ 02 · FIRST PRINCIPLESThe problem in plain English: many sources, one bundle§ 03 · THE SOURCESThe sources the iPhone block establishedDEVICE BACKUPS ICLOUD ACCOUNT WATCH / ESTATE ONE BUNDLE§ 04 · BUILDINGTHEBUNDLEBuilding the bundle: seizure to report§ 05 · CONVERGENCEANDTHEWEAKESTLINKConvergence and the weakest link§ 06 · TEST IN G THE BUNDLETesting the bundle against challenge§ 07 · DEPLOYMENTDeployment: presenting a bundle that survives§ 08 · THEWHOLEESTATESource architecture: the whole iPhone estateEVIDENCE DEVICE BACKUPS INDEPENDENTICLOUD WATCH / COUNTERPART /ACCOUNT PAIRED PROVIDER§ 09 · IN THE WILDWorked examplesEXAMPLE1 · THEBUNDLETHATCONVERGEDWHEREONESOURCEWOULDHAVEFAILEDEXAMPLE2 · THEWEAKESTLINKFOUNDBEFORETHEOTHERSIDEFOUNDITEXAMPLE3 · THELOSTPHONEANDTHEBUNDLEBUILTFROMTHEESTATE§ 10 · WHEREITGOESWRONGCommon mistakes and technical limitationsCommon mistakesTechnical limitations§ 11 · INTERROGATORIES & DRAFTING AIDSQuestions to ask · Suggested wordingAsk your clientAsk your opponentAsk your e Discovery / forensic providerSUGGESTED WORDING · INSTRUCTION FOR A DEFENSIBLE MOBILE EVIDENCE BUNDLE§ 12 · QUICK CONTROLChecklist and red flags · When to involve a digital forensicexpertThe defensible-bundle checklistRed flagsWhen to involve a digital forensic expert§ 13 · COMMON QUESTIONSFrequently asked questionsWhat makes a mobile evidence bundle "defensible"?Why not just rely on the strongest piece of evidence?What do you mean by "the weakest link"?How is the bundle tested before it is served?What if the phone itself is lost or wiped?Why does seizure matter so much to the final bundle?§ 14 · REFERENCEGlossarySources and authoritative referencesDISCLAIMER§ HOW A

SPECIALIST LABORATORY CAN ASSISTWorking with Computer Forensics LabSpeak to a forensic examiner, not a salesperson.INSTRUCTTHELABNEWENQUIRIESEMAILE - DISCOVERY

Questions and answers

Why not just rely on the strongest piece of evidence?

Because a single source, however striking, is always open to challenge (

What do you mean by "the weakest link"?

The element of the bundle most vulnerable to challenge (

How is the bundle tested before it is served?

By challenging it as the other side would (

Why does seizure matter so much to the final bundle?

Because the foundation is laid, or lost, in the first moments and cannot be relaid (