Anderson Cellular Phone Cheat Sheet 3	Top Sites for Analysis Help	Phonedb.net	Similar Models and common names
	Phonescoop.com	Model Info and common names	imei.info IMEI and MEID Info

GSM =Global System for Mobile Communications						CDMA =Code Division Multiple Access				Dec	Hex	Bin
GSM	AT&T	Tmobile	Cricket	Boost	Urban	CDMA	Verizon	US Cellular	Rural	01	1	0001
*Markers / Labels			On the Back (Flashlight)			On SIM Tray		Under the Battery		02	2	0010
IMEI - International Mobile Equipment Identity				15 digits		*#06#		357593-00-685188-8		03	3	0011
ICC-ID - Integrated Circuit Card			Up tp 20 digits			Printed on the SIM / USIM card				04	4	0100
IMSI - International Mobile Station Identity				15 digits		ESN =Electronic Serial Number				05	5	0101
MEID - Mobile Equipment Identity			14 digits			FCC-ID - Federal Communications Commission				06	6	0110
IMEI	15 Digits		357593-00-685188-8			357593-00 =Type Approval Code (TAC)				07	7	0111
35 = Reporting Body			00 =Final Aproval Code (FAC)			685188 =Serial Number			8 =Luhn	08	8	1000
IMSI	15 Digits		2041271796902QA			204 =Mobile Country Code (MCC)				09	9	1001
12 =Mobile Network Code (MNC)						71796902QA =Serial Number				10	A	1010
ICC-ID	Up to 20 Digits		8970120121478521458			70 =Country Code (Same as Dialing Code)				11	B	1011
89 =ISO Standard			12 =Network Provider			0121478521458 =Serial Number				12	C	1100
Faraday Solutions	Faraday Bags		5 wraps of foil			SIM Removal		Arson Evidence Cans		13	D	1101
Android	Will not shutdown without password, so place them in a Faraday solution.									14	E	1110
IOS	Will lock itself so time is of the essence					Use a Faraday with a charger				15	F	1111

Logical Extraction	Physical Extraction
What is currently active on the phone	An extraction at the root level (not bit for bit)
Fastest extraction, phone needs to be on, no deleted data	Slowest extraction, password bypass, deleted data
Will extract from both the SIM card and the SD Card	Will not extract from the SIM card nor the SD Card
Advanced Logical Extraction	**File System Extraction**
Hybrid of Logical and File System for newer devices	An extraction at the file system level
Fast extraction, phone needs to be on, deleted text / chats	Slow extraction, phone needs to be on, some deleted data
Will extract from the SIM card	Will not extract from the SIM card nor the SD Card

Websites	Google Groups: Mobile Device Forensics and Analysis		www.iacpcybercenter.org
phonedb.net (Phone Info)	gsmarena.com (Phone Info)	3gpp.org (GSM)	telecomabc.com
www.imei.info (IMEI and MEID)	meidconverter.com (MEID and ESN)	fonefinder.net (search phone numbers)	
Subpoena Comp (FAX) (CALL)	Verizon: 1.888.667.0026	Tmobile: 1.973.292.8911	AT&T: 1.800.291.4952
https://www.search.org/resources/isp-list/	https://www.ncids.com/forensic/digital/subpoena_guide.doc		

Field Acquisition of Mobile Devices

If the phone is ON - keep charged		If the phone is OFF - leave off	
In Faraday Box, set to Airplane Mode and turn off Blue Tooth		Memory Card if Present	Cellebrite / Other
Determine what type of Phone	Look for markers*	Remove SIM and image separate (USIM/SIM)	
Get Password	Security and attempt to Change Password	Create SIM ID Clone for Faraday Solution	
Can't get PW	Android - About Phone>Software>Build # x7	Determine what type of Phone	IMEI, Label, See below*
Developer>Enable USB Debug / Disable Verify App USB / Stay Awake		Physical Extraction Cable Extractions	
Extractions - Logical / File System / Physical		Logical Extraction Cable Extractions and Bluetooth	
Memory Card / SIM if Present	Cellebrite / Other	File System Extractions Cable Extractions	
If time allows make a copy of All Files as Backup		If time allows make a copy of All Files as Backup	

Seizure of Mobile Devices

Determine if the Device is ON or OFF. Look for lights / Listen for sounds / Feel for Vibrations or Heat			Collection and Packaging	
			Other Forensic Evidence (Blood, Fingerprints, DNA, Other)	
If the Device is ON			Use non-magnetic dust	Super-Glue fuming works
Check to see if there is a passcode or pattern			Photos First!	Computers may have backups
Turn on Airplane mode if able	Turn off Wifi / Bluetooth		Look for loose SIM / SD	Secure any power cables
Ask for the passcode and verify it works		Write it down!	Use a Faraday Solution	Use Paper or Anti-static bags
If the Device is OFF			Use protective packaging that will not become deformed	
Leave it OFF	Ask for the passcode	Write it down!	Place bio-hazard markers on packing if needed	