

# HOW TO HANDLE MOBILE DEVICES FOR SUCCESSFUL DATA FORENSICS



**DO NOT TRY TO GUESS PASSWORDS OR EXAMINE THE DEVICE ITSELF OR IT WILL ALTER INFORMATION NEEDED ON THE DEVICE**

- ✓ **HOT device:** has been recently unlocked with the passcode by the user
- ✓ **COLD device:** has been freshly restarted and has not yet been unlocked

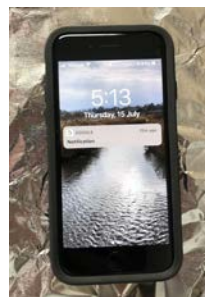
## METHOD 1: ALWAYS TURN DEVICE OFF RECOMMENDED IF THERE WILL BE A DELAY

## METHOD 2: ON OFF – RECOMMENDED FOR DEVICES THAT CAN BE EXAMINED QUICKLY

Pros	Cons	Steps to take	Pros	Cons	Steps to take
<ul style="list-style-type: none"> <li>• Preserves call logs &amp; last cell tower location information</li> <li>• Prevent overwriting deleted data</li> <li>• Prevent data destruction signals from reaching the phone</li> <li>• Prevent improper phone handling/evidence tampering</li> </ul>	<ul style="list-style-type: none"> <li>• May engage protection mechanisms such as encryption, passwords, PIN codes, etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Don't use this method if the phone is HOT! Have it examined immediately!</li> <li>• Take the phone and turn it off for evidence preservation</li> <li>• May remove the battery to prevent the phone from being accidentally turned on</li> </ul>	<ul style="list-style-type: none"> <li>• Leaving phone ON reduces the likelihood that data on the phone becomes inaccessible</li> </ul>	<ul style="list-style-type: none"> <li>• Leaving phone ON without Radio Frequency shielding may expose data to changes</li> <li>• Placing the phone into Airplane mode and disabling Wi-Fi and Bluetooth capabilities require manipulation of the phone</li> </ul>	<ol style="list-style-type: none"> <li>1. If the phone is ON, do NOT turn it OFF;</li> <li>2. If the phone is OFF, leave it OFF</li> <li>3. Place ON phones in a Faraday protection (aluminum foil wrapping works) or place the phone in airplane mode and disable other wireless communications such as Wi-Fi and Bluetooth</li> <li>4. Maintain power to an ON phone – don't let a HOT phone go COLD!</li> </ol>

### UNTIL THE DEVICE CAN BE EXAMINED BE SURE TO PROTECT IT

- Wrap up the device and all cords and chargers in foil
- Use multiple layers of foil



**CALL BAWN WHEN YOU NEED A MOBILE DEVICE EXAMINED**