**Mobile Device Forensics**

Mobile communication devices are commonplace in our current information driven society and used by many, if not all, for both personal and professional purposes. Large scale use of these so called smart devices already resulted in ‘text’ being the new ‘talk’. Substantially changing the complexion of evidence recovery, analysis, and presentation in both civil and criminal investigations.

With respect to digital analysis and fact-finding, such devices have become of utmost importance because they are constantly being carried around by its user. And therefore can be considered a personal ‘black box’ literally recording every event of a persons lifestyle and activities. All of this information is electronically date- and time stamped.

Mobile phone / device forensics is the process of recovering digital evidence from a mobile communication device under forensically sound conditions using accepted methods. This is done by both physically and logically extracting, analysing and documenting facts recorded on these devices. And although generally named mobile phone forensic, this field of expertise emphatically includes tablet computers, GPS navigation devices and media players as well.

**Retrievable information**

- Call history of dialled phone numbers and received calls, as well as call duration.
- Content of both sent and received text messages, including sender and recipient information.
- Multimedia files like recorded movie clips and stored photos including location data.
- Stored contact and address book entries, files, calendars and notes.
- E-mail messages including attachments, chat history, locations, and social network communications.
- Meta data, the proverbial ‘data about the data’, such as IMEI, Operating System, Firmware including SIM card details (IMSI), and last used BTS.

**Supported devices**

- Smart phones, including iPhone, Android, BlackBerry, Windows Phone, and Chinese chipset phones.
- Tablet computers, such as iPad, Android and Windows Tablet.
- SIM cards.
- Portable media players, including iPod.
- Removable storage media, such as SD and micro SD memory cards.
- Navigation devices (GPS) and Personal Digital Assistants (PDA).