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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **AC313 Chapter 11 Glossary**   |  | | --- | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif |  |  |  | | --- | --- | | **antiforensic software** | Software that overwrites empty spaces on hard drives to prevent possible data recovery. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **automated fingerprint identification system (IAFIS; sometimes called *AFIS*)** | Database system that matches suspects' whole or partial fingerprints against a database of fingerprints. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **biometrics** | Science of identifying persons by their physical characteristics. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **black powder dusting** | Method of lifting fingerprints that works only on nonporous surfaces with fresh prints. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **brain printing** | Investigatory technique that involves showing a subject a photo while monitoring the pattern of the subject's brain activity with special instruments to determine whether the subject is familiar with the photo's contents. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **cache storage** | Temporary storage of data from RAM in internal computer memory while they are not being processed; normally not directly accessible by computer users and may disappear when a machine is shut down or turned off. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **chain of custody** | Process of collecting and transmitting evidence in such a way to clearly document that it is not altered, damaged, contaminated, or destroyed during the investigative procedures and transmittal processes. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **checksum** | Hash number that can be created for a disk or a file; when applied to a disk and a copy of the disk, a matching checksum ensures that the disk and its copy are identical. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **class** | Group of persons or objects with similar characteristics; an individual or object is said to be a member of a class if he, she, or it shares common points of comparison. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **class identification** | Linking of an object or person to a class. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **Combined DNA Index System (CODIS)** | Database of DNA profiles used to search the NDIS database. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **Computer Analysis and Response Team (CART)** | FBI team whose members are highly trained in information technology and networking. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **computer forensics** | Application of computer science techniques to legal investigations. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **criminalists** | Technicians or investigators who specialize in finding, collecting, and preserving physical evidence at crime scenes. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **dactylography** | Another name for the science of fingerprinting. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **data mining** | Technique to identify suspicious persons or transactions using artificial intelligence to analyze large volumes of data by considering the relationships between individual data items. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **Daubert test** | Current standard in federal and many state courts for the acceptance of expert testimony; requires a technique or theory to satisfy four criteria: be subjected to scientific testing, be published in peer-reviewed scientific journals, have an error rate that is reasonably estimated or known, and be accepted in the relevant scientific community. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **Department of Defense (DOD) "wipe" standard** | Standard for deleting disk data that calls for at least seven passes over every sector, each time overwriting with new data. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **diplomatics** | Science of document identification and verification of document authenticity. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **distributed name server (DNS)** | Database usually hosted by the user's Internet service provider that contains Web addresses and their related IPs. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **dynamic IP** | Temporary IP address issued to computers that access the Internet. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **exemplar** | Reference specimen obtained from a known subject to be used for comparison purposes. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **FinCEN (Financial Crimes Enforcement Network)** | Treasury Department agency that focuses on money laundering. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **forensic identification** | Unequivocal linking of physical evidence to a particular object or person. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **forensic science** | Application of science to legal matters. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **forensic scientist** | Scientist who focuses on interpreting evidence gathered by criminalists. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **Frye test** | Standard for expert testimony that was once dominant in the federal courts and still applies in some state courts; requires scientific method to be generally accepted in the scientific community. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **IAFIS** | See *automated fingerprint identification system.* | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **imaging method** | Method of copying disk data at the hardware level on a bit-by-bit basis in deleted files still on the disk and not overwritten while ignoring file structures. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **IP address** | Unique number assigned to each computer on the Internet. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | ***Kumho Tire Co. v. Carmichael*.** | U.S. Supreme Court decision that made Daubert determination mandatory in all cases involving expert testimony. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **Locard exchange principle** | Statement relating to forensic identification: "Every contact leaves a trace." | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **logical versus physical erasure/deletion of data** | Data that are only logically deleted but protected and can be "undeleted" versus data physically deleted that can be recovered only when not overwritten by new data. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **magnetic-force microscopy** | Highly advanced data recovery technique that can recover disk data that have been overwritten many times. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **magnetic-force tunneling microscopy** | Highly advanced data recovery technique that can recover disk data that have been overwritten many times. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **National Crime Information Center (NCIC) Network** | Real-time system that contains a national index of theft reports, warrants, fugitives, missing persons, gang membership data, and other data submitted by participating members; available to most federal and state law enforcement agencies. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **National DNA Index System (NDIS)** | FBI-operated database system that contains DNA profiles of convicted criminals and profiles of DNA collected from crime scenes. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **National Integrated Ballistics Information Network (NIBIN)** | System that compares bullets, bullet casings, and firearms from crime scenes to related evidence (images of fired bullets and cartridge cases collected from crime scenes and recovered firearms) stored in a joint FBI–ATF database. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **National Law Enforcement Telecommunications Systems (NLETS)** | Nationwide criminal justice communication network that connects all 50 states and various federal agencies. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **packet sniffer** | Wiretap device that records all packets of data passing through a communication link. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **palaeography** | Science of questioned document examination; also called *diplomatics.* | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **points of comparison** | Specific characteristics used to link objects or persons in forensic identification. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **profiling method** | Method to identifying criminals using general characteristics such as age, marital status, education, living community, income, personality factors, and so on; part of the more general science of data mining. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **proxy server** | Server that is an intermediary for Web traffic; connects to some Web site and effectively hides the connection's true origin. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **sector editing software** | Software that completely bypasses the hard drive's file structure to search for data including normal user files and hidden system files. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **simple mail transfer protocol (SMTP) server** | Mail server that accepts outgoing e-mail from users for relaying to a destination e-mail server. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **spoof** | Term that refers to falsifying user's identity in a network environment. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **striations** | Mark, sometimes very small, that can be used to identify unique objects. | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | http://highered.mcgraw-hill.com/olcweb/styles/shared/spacer.gif | | | **superglue method** | Method using gasified superglue to reveal latent fingerprints. | |
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