

**APPENDIX A**  
**GLOSSARY OF RELEVANT TERMINOLOGY**

<b>Term</b>	<b>Definition</b>
<b>Abel Assessment</b>	Developed by Gene Abel, M.D., the Abel Assessment is often part of a complete psychosexual evaluation. The Abel Assessment consists of both subjective self-report by an individual of his or her sexual interests and objective measures. Part of the objective test is the Visual Reaction Time (VRT) test which measures how long an individual views a variety of images of clothed adults, teens, and children. During the VRT, the individual is also asked to rate his or her degree of sexual arousal to the image.
<b>Adam Walsh Act</b>	Adam Walsh Child Protection and Safety Act, Pub. L. No. 109–248, 120 Stat. 587 (2006). Among other things, the Adam Walsh Act created a national system for sex offender registration and established a system for the duration of the registration requirement based on the seriousness of the sex offense giving rise to the requirement to register.
<b>Anonymizer</b>	Anonymizers are proxy servers that permit a user to surf the Internet anonymously. Users connect to the Internet through the anonymizing proxy server so the website records only that the proxy server visited the site. Different anonymizers rely on different methods and will provide greater or lesser protection. Anonymizers prevent users' IP addresses from being observed directly.
<b>BitCoin (see Digital Currency)</b>	BitCoin is a digital currency offering relative anonymity. Some child pornography offenders use BitCoins to purchase child pornography.
<b>Bulletin Board System (BBS)</b>	Bulletin Board System or BBS was an early iteration of networked computing. BBS enabled users to dial in using a computer modem and ordinary telephone line to connect to a host computer. Users could post messages, interact with other BBS users, or download stories and images for viewing on the user's own computer.
<b>Chat/Chatting</b>	Chatting or "web chatting" is a means of communicating with others online. Chatting may occur in dedicated "chat rooms" or software may permit chatting as part of video gaming, P2P filesharing, or other applications. <i>See</i> P2P.

Term	Definition
<b>Child Erotica</b>	Child erotica is a general term describing legal images or stories that are about children and of a sexual nature. Images may be overtly sexual and show children in inappropriate clothing or positions or it may only be use of the image that is inappropriate. For example, some pedophiles use catalog images of children in bathing suit advertisements for child erotica purposes.
<b>Child Exploitation and Online Protection (CEOP) Centre</b>	A United Kingdom multidisciplinary entity charged by the Home Secretary with preventing the exploitation of children. CEOP receives public and private funding. CEOP’s role in the UK is somewhat analogous to that of the United States based National Center for Missing & Exploited Children (NCMEC). CEOP works with law enforcement, child protection agencies, and researchers to provide training, publications, and research. <i>See</i> NCMEC.
<b>Civil Commitment</b>	Pursuant to 18 U.S.C. § 4248(a), and similar state statutes, an offender who has been found to be a “sexually dangerous person,” may be committed for an indefinite period of time beyond the conclusion of his/her criminal sentence.
<b>Closed P2P</b>	Some P2P file-sharing networks are “closed” in that an individual downloads the software and then must: (1) select other users with whom to share files; and (2) must be selected by other users to have access to that user’s files. A new user who installs a closed P2P network will not have access to any existing user’s files unless that person chooses to share with the new user. <i>See</i> P2P.
<b>Cloud Computing</b>	Cloud computing is remote digital storage accessed through Internet connectivity. Individuals use cloud computing to store photos, files, and other digital content remotely. Files that are saved in the “cloud” do not need to be stored on the user’s Internet enabled device.
<b>Cognitive Behavioral Therapy (CBT)</b>	Cognitive Behavioral Therapy or CBT is a type of therapy that combines elements of behavioral therapy, which focuses on external offender behaviors, with cognitive therapy, which focuses on internal thought processes. CBT is a general type of therapy often used in sex offender treatment.
<b>Cognitive Distortions</b>	Cognitive distortions are false or irrational beliefs that can play a role in illegal or inappropriate behaviors. Some child pornography offenders espouse or develop cognitive distortions about children as appropriate sexual partners.

Term	Definition
<b>Cohort</b>	Cohort is a term used to refer to a group of individuals who have engaged in similar behavior or had a qualifying event occur during a particular time span. For example, this report uses cohort to refer to the group of child pornography offenders sentenced under the non-production child pornography sentencing guidelines in fiscal years 1999 and 2000. That group of offenders was studied by the Commission for several reasons, as discussed in Chapters 6, 7, and 11 of this report.
<b>Compulsive Internet Use (CIU)/ Problematic Internet Use (PIU)</b>	Compulsive Internet use (CIU) or problematic Internet (PIU) are generally thought of as an inability to stop using Internet technology without experiencing distress and where such use has resulted in a significant negative impact. Such behavior was clinically described by Kimberly Young, Ph.D. in 1996, and later refined by Nathan Shapira, MD, who suggested a three pronged definition that the behavior was: (a) uncontrollable; (b) caused significant distress or impairment; and (c) occurred in the absence of other pathology that might explain the behavior.
<b>Contact Child Sex Offense</b>	Contact child sex offense refers to a crime where a legally culpable individual has sexual contact with a child below the age of sexual consent. Contact child sex offenses are included within the definition of criminal sexually dangerous behavior as defined in this report. <i>See</i> Criminal Sexually Dangerous Behavior.
<b>Containment Model/ Containment Approach</b>	A multi-disciplinary approach to sex offender management currently used by many states and in the federal system. Developed primarily by Kim English, the approach relies on therapy to address the offender’s internal controls, supervision to provide external criminal justice control measures, and uses polygraph to monitor internal controls and compliance with external controls.
<b>CSDB or Criminal Sexually Dangerous Behavior</b>	<p>CSDB by offenders convicted of non-production child pornography offenses includes three different types of criminal sexual conduct:</p> <ul style="list-style-type: none"> <li>• “Contact” Sex Offenses: any illegal sexually abusive, exploitative, or predatory conduct involving actual or attempted physical contact between the offender and a victim occurring before or concomitantly with the offender’s commission of a non-production child pornography offense;</li> <li>• “Non-Contact” Sex Offenses: any illegal sexually abusive, exploitative, or predatory conduct not involving physical contact between the offender and a victim occurring before or concomitantly with the offender’s commission of a non-production child pornography offense; and</li> <li>• Prior Non-Production Child Pornography Offenses: a non-production child pornography offender’s prior commission of a non-production child pornography offense if the prior and instant non-</li> </ul>

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	production offenses were separated by an intervening arrest, conviction, or some other official intervention known to the offender.
<b>Deep Web</b>	Deep Web (also called Darknet, Dark Net, and Dark Web) refers to a hidden Internet that can only be accessed through use of power anonymizing onion routers. Because there are many layers of protection and it is difficult to identify individuals in Deep Web, there may be child pornography offenders who are openly trading child pornography in Deep Web.
<b>Digital Subscriber Line (DSL)</b>	DSL is a means of providing high-speed Internet access through telephone lines. An individual can purchase DSL access through an ISP. <i>See</i> ISP.
<b>Encryption</b>	Encryption secures data (in the form of images, videos, documents, etc.) so that it cannot be easily understood without a password or decryption software.
<b>F2F</b>	F2F or friend-to-friend file-sharing is another term for a closed P2P system. <i>See</i> Closed P2P.
<b>Freenet</b>	A free and public multi-proxy router relying on an architecture similar to that used by TOR. Freenet also provides access to otherwise hidden parts of the Internet sometimes called Deep Web. <i>See</i> Deep Web, TOR, Onion Router.
<b>Friend to Friend</b>	<i>See</i> F2F.
<b>General Recidivism</b>	<i>See</i> Recidivism.
<b>Gigatribe</b>	Gigatribe is a closed P2P file-sharing network that permits one to share within a smaller network of individuals as opposed to anyone who is running the Gigatribe network. <i>See</i> Closed P2P.
<b>Globally Unique Identifier (GUID)</b>	A Globally Unique Identifier or GUID is the randomly assigned unique serial number assigned to each P2P user by the application software. The GUID may be used by law enforcement as one means of identifying users.

Term	Definition
<b>Grooming</b>	Grooming refers to a process by which child sex offenders prepare potential victims for abuse. It typically involves befriending a child over a period of time, establishing a trust relationship, and lowering the child’s inhibitions so the child is both less able to object to the abuse and less likely to report it.
<b>Hash Values</b>	A hash value is created through a “hashing” process by which a digital file is summarized as a relatively short, single number of about 38 decimal digits. Hash values are easily managed by computers and investigators for verifying that two copies of a file are, in fact, the same, even if the filename or certain other attributes (such as the date it was last accessed) are changed. Hash values can be changed by altering even one small part of a file.
<b>Hebephilia</b>	Hebephilia refers to sexual interest in pubescent children who have begun to show signs of early puberty (as opposed to prepubescent children).
<b>Impersonal Distribution</b>	Impersonal Distribution refers to indiscriminate and anonymous distribution of child pornography made via open P2P file-sharing networks. It is deemed “impersonal” because the user has no, or limited, ability to select with whom to share files once the user has decided to share files. <i>See</i> Open P2P.
<b>Internet Newsgroups</b>	Internet Newsgroups allow non-real-time discussion within group forums. People post messages and read messages others have posted. In addition to text messages, pictures and other files can be posted directly on newsgroups.
<b>Internet Relay Chat (IRC)</b>	Internet Relay Chat or IRC permits real-time text chatting environments organized into channels – virtual “rooms” – based on specific interests. IRC permits group communication that is visible to everyone in a particular chat room and permits everyone to join in discussions or in smaller “private” chat rooms providing one on one communication.
<b>Internet Service Providers (ISP)</b>	Internet Service Providers or ISPs vary across the country but include cable and telephone service providers such as Verizon, Comcast, DirectTV, TimeWarner, and AT&T. ISPs permit a user to access the Internet.
<b>IP Address</b>	IP stands for “Internet Protocol.” Every device accessing the Internet is assigned an IP address by the ISP through which it is connected to the Internet. It is relatively easy to cloak, hide, or change an IP address so that it is difficult to identify who is using that IP address at a particular moment in time. Law enforcement may use IP addresses to identify users who are distributed child pornography.
<b>IRC</b>	<i>See</i> Internet Relay Chat.
<b>Lolita</b>	A term commonly associated with child pornography.
<b>National Center</b>	NCMEC is a nonprofit organization created in 1984. The mission of the

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<p><b>for Missing and Exploited Children (NCMEC)</b></p>	<p>organization is to help prevent child abduction and sexual exploitation; help find missing children; and assist victims of child abduction and sexual exploitation, their families, and the professionals who serve them. NCMEC serves as the nation’s resource for missing and sexually exploited children. NCMEC provides information and resources to law enforcement, parents, and children including child victims as well as other professionals. NCMEC’s exploited children division has several programs that work with law enforcement to track child pornography images and identify and rescue child pornography victims where abuse is ongoing.</p>
<p><b>National Juvenile Online Victimization Survey (NJOV)</b></p>	<p>The NJOV is a survey of a national sample of law-enforcement agencies about the characteristics of Internet sex crimes against minors and the numbers of arrests for these crimes during a one-year period. The NJOV was first utilized in 2000 and again in 2006. The NJOV is conducted by the Crimes against Children Research Center at the University of New Hampshire (<a href="http://www.unh.edu/ccrc/national_juvenile_online_victimization_publications.html">http://www.unh.edu/ccrc/national_juvenile_online_victimization_publications.html</a>).</p>
<p><b>Onion Router</b></p>	<p>An onion router is a powerful means of anonymizing users’ identities. Unlike standard routers that attempt to direct Internet data on efficient routes, an onion router is a counter-surveillance tool that directs Internet activity along complex, circuitous routes in a network designed to obscure its origins. <i>See</i> TOR.</p>
<p><b>Open P2P</b></p>	<p>Many P2P file-sharing networks are wholly “open” in that an individual downloads the software and then automatically: (1) has access to any file shared by any other user; and (2) shares any file with any other user. Individuals using open P2P have no, or limited, ability to “block” other users or select other users with whom to share files. This differs from closed P2P. <i>See</i> closed P2P.</p>

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<b>P2P (Peer-to-Peer)</b>	<p>P2P (Peer-to-Peer) file-sharing lets two or more users transfer files directly to each another from their computers without having to go through a centralized server. The user downloads a software program called a P2P client in order to download files from a P2P network.</p> <p>Examples of P2P networks include, among others, BitTorrent, eMule, FastTrack, Gigatribe, and Gnutella.</p> <p>Examples of P2P software compatible with Gnutella include Limewire, Phex, Bearshare, Shareaza, and Frostwire. Software compatible with BitTorrent includes Vuze and <math>\mu</math>Torrent. Software compatible with eMule includes eDonkey and eDonkey2000 clients.</p> <p>Upon installation of the P2P software, the client typically creates two folders on the user's computer by default: an "Incomplete" folder, which contains pending downloads, and a "Shared" folder, which contains fully downloaded files. In an Open P2P network, any files downloaded or files placed in the Shared folder are immediately made available for sharing with all other users on the P2P network. Users may choose to share any or all files on their systems. In a Closed P2P network, users will typically choose with whom to share files.</p>
<b>Paraphilia</b>	<p>Paraphilia is a general clinical diagnosis of persistent sexually arousing fantasies, sexual urges, or sexual behaviors generally involving nonhuman objects, children or other nonconsenting persons, or the intentional suffering or humiliation of oneself or one's sexual partner. Pedophilia is one type of paraphilia.</p>
<b>Pedophilia</b>	<p>Pedophilia is a clinical psychological diagnosis of a persistent sexual interest in sexually immature children and can be manifested in thoughts, fantasies, urges, sexual arousal, or behavior.</p>
<b>Peer-to-Peer</b>	<p>Peer-to-peer file-sharing programs. <i>See</i> P2P.</p>
<b>Penile Phallometric Test</b>	<p>A test which measures physical arousal to sexual stimuli by measuring bloodflow to the penis. The test will typically expose the subject to different images and measure the change in bloodflow based on the type of image. The Penile Plethysmograph (PPG) is a Penile Phallometric Test.</p>
<b>Personal Distribution</b>	<p>Personal distribution refers to distribution of child pornography made via some means other than open P2P. Any form of distribution where the user exercises some control over with whom to share child pornography is included (<i>e.g.</i>, closed P2P, email, or hand-to-hand).</p>
<b>Postpubescent</b>	<p>Postpubescent refers to individuals who have completed puberty and have fully developed secondary sex characteristics. Children under the age of sexual consent may be postpubescent.</p>

Term	Definition
<b>Prepubescent</b>	Prepubescent refers to children who have not begun puberty. These children show no sign of development of secondary sex characteristics.
<b>Prevalence</b>	The term prevalence permits researchers to discuss how frequently particular characteristics or events occur in a population. This report uses the term “prevalence” to discuss substance abuse, child sexual abuse victimization, and CSDB by offenders convicted for non-production child pornography offenses. “Lifetime prevalence rate” refers to the rate among the general population (or a specific part of the population) that a particular disorder or event occurred at least once during the lifetime of that population.
<b>Proxy Server</b>	Proxy servers are Internet intermediaries through which information can be passed. There are many legitimate uses for proxy servers. For example, some businesses utilize a single proxy server through which all of its electronic mail is sent and received for security purposes. Anonymizing proxy servers are sometimes used by child pornography offenders as a means of reducing likelihood of detection as they add an additional layer of complexity to identifying the ultimate receiver or distributor of child pornography images.
<b>Psychosexual Evaluation</b>	A psychosexual evaluation is an examination intended to identify an offender’s risk for sexual and general recidivism; recommended types and intensity of treatment; and the offender’s protective factors and risk factors.
<b>PTHC</b>	PTHC stands for “pre-teen hardcore,” a term associated with child pornography.
<b>Pubescent</b>	Pubescent means children who have started puberty. These children show some development of secondary sex characteristics such as initial breast development or evidence of public hair or armpit hair.
<b>RAP Sheets/Record of Arrest and Prosecution Database</b>	The Record of Arrest and Prosecution Database, often called RAP Sheets, is an FBI-maintained national record of arrests and prosecutions, identifying offenders based on fingerprint submissions. A complete file includes offender information; the date, location and crimes associated with the arrest; the date, location, crimes, and sentencing information (if applicable) associated with the disposition of these arrests; and the date, location, and type of release following service of the sentence (if applicable). The accuracy of RAP sheets is reliant on proper reporting by each state and local law enforcement agency to the FBI.
<b>Recidivism</b>	Recidivism refers to the rate at which those individuals who have experienced a formal interaction with the criminal justice system (typically conviction) experience another formal interaction with the criminal justice system (violation of probation, rearrest, or reconviction). Different

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	<p>recidivism studies choose to measure and report different types of recidivism. The Commission’s recidivism study on child pornography offenders sentenced in fiscal years 1999-2000 included violations of offender’s probation or supervised release that led to an arrest or revocation. Some studies will report a general recidivism rate or a rate of recidivism associated with a type of crime (e.g., sexual offenses). The definition of recidivism may depend greatly on a particular study.</p>
<b>Risk Assessments</b>	<p>A risk assessment is an actuarial judgment that attempts to quantify an offender’s risk to the community or of reoffending generally. It relies on information about the offender’s criminal history, offense types and other characteristics such as age and gender, in conjunction with the presence or absence of a limited number of pre-specified factors. The risk assessment assigns numerical values to these factors according to some preset formula to produce an estimate of risk.</p>
<b>R/T/D Offenses</b>	<p>R/T/D offenses are receipt, transportation, or distribution of child pornography offenses. While the elements of these offenses differ, they have identical statutory penalties under federal penal law. R/T/D offenses traditionally have carried more several penalties than possession of child pornography offenses.</p>
<b>Sex Offender Registration</b>	<p><i>See</i> SORNA.</p>
<b>Sexual Recidivism</b>	<p><i>See</i> Recidivism.</p>
<b>Social Network</b>	<p>Social networks exist both online and offline. Online social networks typically mean digital communities where people can communicate and interact with networks of friends or associates. LinkedIn and Facebook are two popular social networks.</p>
<b>SORNA</b>	<p>SORNA is short for the Sex Offender Registration and Notification Act and is Title I of the Adam Walsh Child Protection and Safety Act. SORNA provides a set of minimum standards for sex offender registration and notification in the United States. Under SORNA, a sex offender – including a child pornography offender – is required to register and maintain current information in each jurisdiction in which he is convicted, resides, is employed, or attends school, and also report on a periodic basis to the local authorities responsible for monitoring registered sex offenders. SORNA also created a new federal offense for failing to register as a sex offender. <i>See</i> Adam Walsh Act.</p>
<b>Steganography</b>	<p>Steganography is the process of hiding a file by transforming it into an innocuous file. One who views the transformed file would not know that its true contents were hidden. In order to reveal the contents, one must know</p>

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	the steganography key. Digital steganography is sometimes used by child pornography offenders to hide child pornography images within legal images.
<b>Technical Violation</b>	Technical violations of the conditions of supervision ( <i>e.g.</i> , parole, probation, supervised release) encompass a wide range of behavior, including absconding from supervision, refusal to participate in court-ordered mental health or substance abuse treatment, and failed drug tests. A technical violation typically does not involve criminal conduct and, instead, involves conduct that violated the conditions of an offender’s supervision.
<b>Time to Reoffending/Time to Failure</b>	Time to reoffending or time to failure are terms used in recidivism studies to mean the time that the offender was at risk following the initial criminal justice event until the next arrest or conviction. This permits the reporting of an average time to reoffending as well as a shortest and longest.
<b>TOR</b>	A free and public onion router. TOR also provides access to otherwise hidden parts of the Internet sometimes called Darknet, Deep Web, or Dark Web. <i>See</i> Onion Router.
<b>Videostreaming</b>	Videostreaming or streaming media enables individuals to watch digital programming online via an Internet connection. Television channels sometimes permit their programming to be streamed online for free or for a fee. Other sites offer subscriptions to permit users to view programming such as television programs or movies to be streamed. Programs may be prerecorded or “live” streamed such as for sporting events.
<b>Visual Reaction Time (VRT)</b>	Part of the Abel Assessment, the Visual Reaction Time (VRT) is an objective test which measures how long an individual views a variety of images of clothed adults, teens, and children. During the VRT, the individual is also asked to rate his or her degree of sexual arousal to the image. <i>See</i> Abel Assessment.
<b>Webcasting</b>	Webcasting can be thought of as an internet “broadcast” and is a means of playing digital media streamed through the Internet. It enables individuals to watch live events such as meetings, webinars, or PowerPoint presentations that are occurring in remote locations. Some child pornography offenders watch webcasts featuring real-time sexual abuse of children.
<b>WiFi</b>	WiFi is a brand name of wireless Internet access and has come to refer to any wireless internet access. Individuals and business may purchase routers that provide WiFi in their homes and some cities provide citywide wireless access. WiFi permits an Internet enabled device to access the Internet without cables connecting the device directly.