NW3C

NATIONAL WHITE COLLAR CRIME CENTER

INTEGRITY   QUALITY   SERVICE

Annual Report 2013

NW3C

NATIONAL WHITE COLLAR CRIME CENTER

INTEGRITY   QUALITY   SERVICE

**The mission of NW3C is to provide training,
investigative support and research to agencies and entities involved
in the prevention, investigation and prosecution of economic and high-tech crime.**

BJA
Bureau of Justice Assistance
U.S. Department of Justice

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From Our Leadership

The National White Collar Crime Center's logo is underscored with the words "integrity, quality and service." Throughout the year, with the support of the Bureau of Justice Assistance (BJA) and other partners, NW3C incorporates these core values into both its daily work and its projects.

As a non-profit organization formed with the purpose of supporting state, local, federal and tribal law enforcement, "integrity" defines NW3C's mission to assist with the prevention, investigation and prosecution of economic and high-tech crime. To advance this mission and stay current with technology, NW3C relies on "quality" research and training. "Service" characterizes the commitment of NW3C staff as they endeavor daily to provide analytical assistance and technical support to law enforcement as well as manage the routine work necessary to keep NW3C running smoothly.

In 2013, NW3C kept pace with a rapidly changing world, adapting in both the ways in which training was delivered, the topics that were researched, and the support that was provided. This report highlights many of NW3C's accomplishments during the past year and gives an indication of successes to be accomplished in 2014 and beyond.

Glen B. Gainer III
Chairman, NW3C Board of Directors

Technology and society's use of it have changed exponentially since NW3C began its work in the 1970s. Through the years, NW3C has had to innovate and remain committed to research in order to ensure that our training adequately prepares law enforcement for its many challenges. Fortunately, NW3C's outstanding personnel combined with funding from BJA and other partners have allowed us to continue to serve as law enforcement's go-to organization for training and technical support.

In 2013, NW3C began to combine online course work with classroom instruction to render a more convenient and cost-effective way for law enforcement to receive training. We offered several introductory courses online, saving travel time and reducing expenses for students. We also delivered six webinars covering a variety of topics, including social media, metadata and EXIF tags, criminals' hiding places on the Internet, and PerpHound™ – a BJA-funded forensic tool that simplifies the analysis of location information found in cell phone call detail records. And we created video instruction on special issues of concern for law enforcement, including one which focused on cyber threats.

In addition to updating the ways in which NW3C delivers training, we also developed new courses which provide information directly related to unfolding trends and technologies. For example, a pair of classes created this year under an award from the Office of Juvenile Justice and Delinquency Prevention (OJJDP) demonstrates ways to preserve an Apple® system at a crime scene and identify and collect volatile data. These two courses reflect the popularity of these devices and their potential value to criminal investigators.

NW3C also remains the premier provider of cybercrime training to the nation's Internet Crimes Against Children (ICAC) task forces. To date, more than 3,000 ICAC task force members have matriculated through NW3C's curriculum—a small army ready to wage war against those who would exploit society's most vulnerable people, our children.

Whether working to halt crimes against children, stop the sale of counterfeit medicines, or reduce cybercrime, NW3C remains actively committed to serving both the law enforcement community and the public. With the support of BJA and other partners, the NW3C Board of Directors, and our own staff, NW3C will continue to provide superior training and investigative support to law enforcement, with a focus on integrity, quality and service.

Don Brackman
Director, NW3C

Executive Summary

This Annual Report highlights NW3C's many accomplishments during the period beginning January 1, 2013 and ending December 31, 2013, a year in which NW3C continued to support law enforcement nationwide with integrity, quality and service. With funding from the Bureau of Justice Assistance (BJA), other agencies and companies, NW3C found innovative ways to train law enforcement professionals in new technologies and make them aware of the tactics currently practiced by the perpetrators of economic and high-tech crime.

In 2013, NW3C delivered 435 training courses to 10,392 law enforcement professionals from 5,028 agencies in 39 states. NW3C worked hard to make its training accessible throughout the nation, both by offering regional courses and also with expanded online classes and webinars. In 2013, NW3C presented six webinars that received a total of 7,391 registrations.

435 training courses

10,392 law enforcement trained

141,623 analytical products created

10,335 public record searches

NW3C stayed current with trends and cutting-edge techniques and shared its research with law enforcement via numerous new and updated courses. Cybercop 315 (Windows® Artifacts/WinArt) now combines NW3C's former Windows NT File System (NTFS) and Windows NT Operating System (NTOS) courses. Topical areas include data streams, reparse points, encrypted objects and a detailed examination of various registry artifacts. The update created a cost savings for NW3C in terms of instructor time and travel costs. Cybercop 101 and 201 also were updated, allowing students to transition easily into the WinArt course.

With funding from the Office of Juvenile Justice and Deliquency Prevention (OJJDP), NW3C developed the new course Cyber Investigation 335 (Advanced Wireless Network Investigations). This class focuses on techniques and methods used to locate wireless devices connected to wireless networks. Also funded by OJJDP, two other new courses, Cybercop 215 (Macintosh® Triage and Imaging (MTI)) and Cybercop 325 (Macintosh Forensic Analysis), add to NW3C's training related to Apple® product forensics, reflecting the popularity of these devices and their potential value to criminal investigators.

NW3C's partnership with Leidos, Inc., Perlustro, L.P., and X1 Discovery, Inc., led to the development of specialized training related to various forensic products and platforms. Computer Network Defense, a new course facilitated by the Leidos CyberNEXS™ Cyber Network Training and Exercise System ("the CyberNEXS Platform"), instructs students on computer network defense fundamentals; iLooKIX training, conducted in partnership with Perlustro, L.P., presents an innovative way for investigators to examine computer hard drives; and X1 Social Discovery™, training offered in collaboration with X1 Discovery, Inc., provides information aimed at assisting investigators with gathering data from social media.

NW3C also distributes products developed with funding from BJA and provides instruction in their use. The software tool, TUX4N6™, which was updated in 2013, permits a hard drive to be previewed without writing to or altering data on the system. The forensic tool, PerpHound™, also updated in 2013, allows coordinates from call detail records to be plotted via Google Maps™, giving a visual timeline of the location of a cell phone when a particular call was made.

Other training highlights this year included four course offerings related to online salvage and vehicle auction fraud, a course on intelligence writing and briefing, and an aggressive training schedule in intellectual property theft investigations. In addition, NW3C remained the premier provider of cybercrime training to the nation's Internet Crimes Against Children (ICAC) task force personnel.

Keeping with the increasing capabilities and reach of the Internet, NW3C this year expanded its online course offerings and also presented several webinars. The aim is to reach a greater number of law enforcement professionals while also reducing travel time and expenses. Webinars presented this year included several focused specifically on social media and Internet investigations.

NW3C also used the Internet to introduce a digital news magazine. *NW3C News* launched on December 12 as a forum for sharing up-to-date news, investigative tips and

information of relevance to law enforcement professionals who investigate white collar crimes.

In addition to its courses and online information-sharing, NW3C sponsored numerous events and conferences nationwide and also presented a successful Outreach training event in Williamsburg, VA, which provided up-to-date social media training to 274 law enforcement personnel.

Throughout 2013, NW3C saved countless hours for investigators by conducting research and analysis and preparing reports, charts and graphs, as requested by member agencies. In 2013, NW3C produced 141,623 analytical products and conducted 10,335 public records searches. NW3C's analytical assistance helped lead to 452 months of criminal sentences, more than $5.25 million in ordered criminal restitution and $4.81 million in criminal fines imposed in 2013.

In 2013, NW3C's partnership with the FBI to operate the Internet Crime Complaint Center (IC3) continued. IC3 analysts developed and referred criminal cases and provided technical assistance to law enforcement professionals involved with the investigation of online crime. In 2013, consumers filed 262,813* complaints.

NW3C closed out 2013 with 4,248 voting and 374 associate member agencies, for a total of 4,622, an increase of 6.4 percent from the previous year.

Under a grant from BJS, NW3C partnered with the White Collar Crime Research Consortium to develop a definition of white collar crime. White collar crime is "any violation of law committed through non-violent means, involving lies, omissions, deceit, misrepresentation or violation of a position of trust, by an individual or organizations for personal or organizational benefit."

In 2013, NW3C worked diligently to provide law enforcement with the training and services needed to investigate and prosecute economic and high-tech crime. With an eye towards quality, NW3C will continue to work with integrity to improve its services to law enforcement nationwide.

Complaints filed from 1/1/13-12/19/13

From Left to Right: David Szuchman, Executive Assistant District Attorney; Steven Moran, Director, High Technology Analysis Unit; David Corbin, Intelligence Specialist, Cybercrime and Identity Theft Bureau; Richard Brittson, Deputy Chief Investigator, Cyber & Forensic Investigations; Michael Sachs, Chief of Staff Investigations Division; Glen Gainer, WV State Auditor and NW3C Board Chairman; Mark Gage, NW3C Deputy Director and Donald Brackman, NW3C Director

About the National White Collar Crime Center

Since its beginning in the 1970s, NW3C has worked to support the efforts of state and local law enforcement in the fight against economic crime. Through the decades, NW3C has committed itself to innovation and a willingness to respond to challenges presented by both events and technology.

In 1995, NW3C established a computer crime unit in response to the growth of personal computers. This division within NW3C continues to provide cutting-edge training for investigators who identify, seize and analyze digital evidence. Following the terrorist attacks of September 11, 2001, NW3C quickly developed additional methods to allow law enforcement to handle investigative leads. During this time, NW3C's Internet Crime Complaint Center worked with the FBI to provide 24/7 operation and staffing. In more recent times, NW3C has provided social media training for law enforcement, explaining what it is and how to use it, its many platforms, and how it may be utilized as an investigative tool.

NW3C teaches classes and sponsors events on-site in regions all around the country. In addition, more recently, it has begun providing online training in order to save travel time and expenses for students, and reach even more people. Annually, NW3C delivers training to thousands of law enforcement professionals in the areas of cybercrime, financial crime, computer forensics and intelligence analysis. In addition to training, NW3C assists its member agencies by providing analytical assistance, free public database searches and intelligence sharing. NW3C also supports the larger community through its activities. This summer, for example, NW3C partnered with West Virginia University's Forensic Science Department to host an exhibit at the 2013 National Boy Scout Jamboree in Mt. Hope, WV. Approximately 20,000 to 25,000 Scouts visited the NW3C exhibit where they learned about NW3C training tools and social media safety.

NW3C's support to the law enforcement community is made possible primarily by grants from federal agencies. An annual congressional appropriation through the Bureau of Justice Assistance provides much of its operational funds.

Membership in NW3C

NW3C is a nonprofit, membership-affiliated organization comprised of state, local, federal, tribal and international law enforcement and prosecutorial and regulatory agencies. Its more than 4,600 member agencies range throughout all 50 states, as well as across the world. NW3C's membership increased by 6.4 percent in 2013. NW3C offers multiple benefits to its members with the aim of assisting them as they combat economic and high-tech crime. Benefits of membership include access to analytical services, assistance with complex financial crime cases, connection to research and online information, and access to cutting-edge training that utilizes the most up-to-date technology available. NW3C offers these opportunities to its members at no-cost, thanks to support from BJA and other partners.

NW3C Governance

The business and affairs of NW3C are overseen by the Board of Directors. The 12-member Board is comprised of a Chairman; eight Regional Directors, one elected from each of the eight geographic regions across the United States; and three Non-Regional Directors who are nominated by the Chairman and elected by the Regional Directors.

In addition, one Alternate Regional Representative from each region is elected to represent their region on the Board in the event that their Regional Director is unable to attend a Board meeting.

To ensure a geographic balance of representation, the eight regions consist of the Great Lakes, Mid-Atlantic, Midwest, Mountain, Northeast, South Central, Southeast and West Regions.

The term of office for the Chairman and Non-Regional Directors is one year and the Regional Directors and Alternate Regional Representatives serve two years.

2014 Board of Directors Ratification of Slate of Candidates

This year, candidates for Regional Director and Alternate Regional Representatives were nominated for the Great Lakes, Mountain, South Central and West Regions. The Slate of Candidates approved by the Board of Directors for each region was ratified by the voting member agency representatives on December 18 and the following new Board members take office on January 1, 2014.

Great Lakes Region
Director: Lieutenant Colonel Larry Turner, Indiana State Police

Alternate: Randy Meyer, State Inspector General, Ohio Office of the Inspector General

Mountain Region
Director: Lieutenant Tom Jarvie, Green River Police Department, WY

South Central Region
Director: Tom McCormick, Assistant Attorney General, Louisiana Department of Justice

Alternate: Sergeant Belinda Murphy, Louisiana State Police

West Region
Director: Sean Rooney, Assistant Chief Counsel, California Department of Business Oversight – Enforcement Division

Board of Directors

NW3C's Key Partnerships

NW3C relies on federal grants and contributions from other key partners to fund its service on behalf of law enforcement.
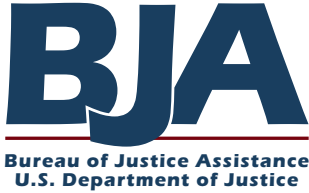
Governmental Partners

Connecticut Department of Banking
U.S. Department of Justice Office of Community Oriented Policing Services (COPS)
West Virginia State Auditor's Office
West Virginia State Police

Organizational Partners

Financial Industry Regulatory Authority (FINRA)
International Association of Chiefs of Police (IACP)
National Association of Attorneys General (NAAG)
National Economic Security Grid
National Insurance Crime Bureau (NICB)
National Organization of Black Law Enforcement Executives (NOBLE)
National Salvage Vehicle Reporting Program
National Sheriff's Association (NSA)
North American Securities Administrators Association
Regional Information Sharing Systems® (RISS)
West Virginia Cyber Crime Cooperative (WV3C)
West Virginia University

Corporate Partners

Altria Group
Leidos, Inc.
Microsoft Corporation
McAfee® an Intel Company
Norton™ by Symantec
Perlustro, L.P.
X1 Discovery, Inc.

NW3C Leadership

Donald J. Brackman
Director

Michelle Muckleroy
Executive Assistant

Executive Team

Ken Brooks
Deputy Director

Investigative Support, IC3, Communications and Information Technology

Mark Gage
Deputy Director

Training, Curriculum Development, Research and Computer Crime

Dave Cummings
Deputy Director/CFO

Finance and Administration

Mary-Ellen Kendall
General Counsel

Management Team

Kathie Alexander
Contract Administrator and Risk Manager

Finance and Administration

Don Bogard
Controller

Finance and Accounting

Paul Clegg
Manager

Information Technology

Gerald Cliff
Manager

Research

Lee Dail
Grants Administrator

Finance and Administration

Allen Deane
Manager

Human Resources

Jim Foley
Manager

Curriculum Development/Training

Thomas Macauley
Manager

Computer Crime

Jeff Lybarger
Fraud Complaint Supervisor

Internet Crime Complaint Center

Kathryn Rinker
Manager

Investigative Support

Kim Williams
Manager

Communications

Funding the NW3C Mission

As an organization with non-profit status under section 501(c)(3) of the Internal Revenue Code, NW3C relies on federal grants, cooperative agreements, contracts, and contributions from various sources to fund its mission. The U.S. Department of Justice, through the Office of Justice Programs (OJP) and BJA, provides NW3C's main operational support. Additional competitive funds received from OJJDP, the Department of Homeland Security (DHS), the Bureau of Justice Statistics (BJS) and others are directed towards individual projects with specific goals, objectives and reporting requirements. In addition, NW3C receives funds from a number of state entities, as well as other public and private organizations.

For the fiscal year ended June 30, 2013, NW3C operated with a total budget of almost $12.5 million from approximately 20 funding sources. The pages within this report detail the ways NW3C used these resources in 2013 to provide training and technical assistance to the nation's law enforcement community.

In today's challenging economic climate, it is more necessary than ever for a non-profit organization to properly commit, stretch, and account for every dollar. With these objectives in mind, NW3C's Finance and Administration Division secures and safeguards financial resources in compliance with funding requirements, addresses corporate human resource needs, and reviews and reports on operational activities.

NW3C's Finance and Administration Division has several primary goals:

- Solicit and manage financial resources to ensure viability and compliance with funding requirements;

- Review and evaluate the financial performance of existing or proposed activities through accurate, timely and informative financial reports and analysis;

- Safeguard financial assets by using effective cash management, risk management, procurement and transaction processing programs and a comprehensive system of internal controls; and

- Recruit, retain and manage human resources through timely, relevant and effective managerial and employee support.

To be successful in its mission, any organization must have outstanding financial management. NW3C's Finance and Administration Division operates behind the scenes to ensure every dollar NW3C receives is used to effectively assist in the prevention, investigation and prosecution of economic and high-tech crime.

FY 2013 Funding Contributors

Legend:
- BJA (79%)
- Other (8%)
- OJJDP (7%)
- DHS/FEMA (4%)
- FBI (1%)
- BJS (1%)
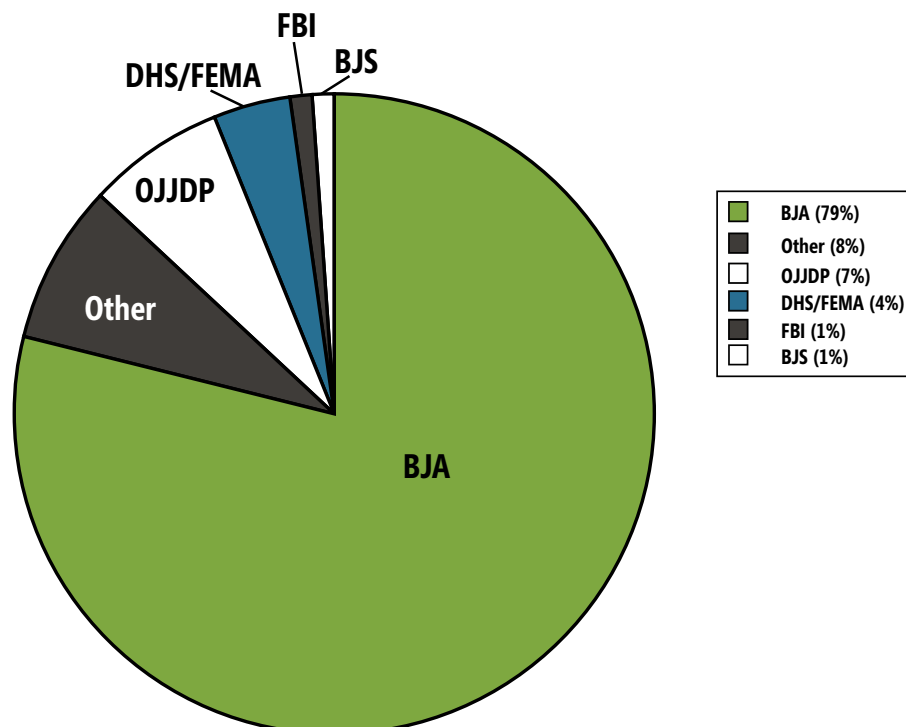
Training Advances Law Enforcement's Fight Against Crime

NW3C's staff combines its expertise and research with that of experts in the field to ensure its courses, digital forensic tools, research products and technical assistance meet the specialized needs of law enforcement. In 2013, NW3C delivered training to 10,392 law enforcement personnel from 5,028 agencies across the United States. Several webinars allowed NW3C to reach an additional 7,391 law enforcement personnel with valuable training and technical information.

With major funding from BJA and other federal and state agencies as well as partnerships with the private sector, NW3C continues to seek innovative ways to provide law enforcement with the critical knowledge and support required to address the rapidly evolving economic and high-tech criminal landscapes.

Through its wide-ranging training curriculum and research initiatives, NW3C is well-positioned to bolster law enforcement's capacity to investigate and prosecute even the most-complicated of computer or financial crimes.

Grant Information

NW3C training, forensic tool development and research activities are funded, in large part, through several BJA awards allocated for economic and high-tech crime investigation and prevention. OJJDP provides specific funding for the training of Internet Crimes Against Children (ICAC) task force personnel. Other federal and state agencies support courses taught by NW3C. Additionally, cooperative agreements and awards from private sector partners facilitate training programs.

Computer Crime Training

Digital evidence, be it obtained from phones, computers, tablets or any number of other devices, has all but redefined the nature of criminal investigations. Data contained on devices can help pinpoint the whereabouts of criminals, victims and witnesses or illustrate their activities connected to a crime. NW3C offers a robust curriculum of digital forensic courses designed to meet the needs of officers, investigators, analysts and prosecutors of all skill levels.

Course Development and Upgrades

The rapidly changing technology landscape demands that training for law enforcement keep pace. NW3C continually evaluates its courses and training materials to reflect new trends and to meet the evolving needs of analysts and investigators. New courses were developed and longstanding NW3C courses underwent top-to-bottom revisions to account for technological advancements.

A pair of courses – C**ybercop 215 Macintosh® Triage and Imaging (MTI)** and **Cybercop 325 Macintosh® Forensic Analysis (MFA)** – was developed under an award from OJJDP for Special Investigative Training.

The MTI course instructs students on how to image and preserve an Apple® system on scene. Students are then introduced to the Mac OS X® operating system and gain the basic skills necessary to navigate and utilize both the graphical and command-line interfaces. Focus is then shifted to the identification and collection of volatile data, such as File Vault encrypted data, running applications and processes, open ports, and a current hardware/software inventory from a running Macintosh computer that may otherwise be lost or unavailable once power is removed.

A pair of new NW3C courses reflect the vast popularity of Apple devices.

The MFA training includes an examination of the operating system and built-in and popular third-party application artifacts. The course covers Safari, Messages and iTunes.

These two new courses add to NW3C's growing involvement in Apple product forensics, a reflection of the vast popularity of those devices and their potential value to criminal investigators. In late 2012, the organization rolled out its Cybercop 225 (Apple iDevice Forensics) course, which focuses on devices running the iOS® operating system, such as iPod Touch®, the iPhone® and the iPad®.

The **Cybercop 315 (Windows Artifacts/WinArt)** course combines NW3C's former NTFS and NTOS courses. Topical areas now include data streams, reparse points, encrypted objects and a detailed examination of various registry artifacts to include mounted devices, the user assist

key, security components and user-specific information. Students also examine event logs, volume shadow copy service and thumbnails. This update creates a cost savings for NW3C in terms of instructor time and travel costs. Also as a result of the WinArt course change, the Advanced Fast Track program now covers WinArt, MTI, iDevices and Windows Internet Trace Evidence training.

Cybercop 101 (Basic Data Recovery and Acquisition/BDRA) and Cybercop 201 (Intermediate Data Recovery and Analysis/IDRA) also were updated to allow students to more easily transition into WinArt or other advanced courses. BDRA now focuses primarily on the imaging process, while IDRA includes File Allocation Table (FAT), NTFS and an introduction to basic processing.

ICAC

NW3C is the premier provider of cybercrime training to the nation's ICAC task force personnel. Through funding from OJJDP, NW3C provided training to 609 ICAC personnel in 2013. To date, more than 3,000 ICAC task force members have matriculated through NW3C's computer crime curriculum.

As part of the OJJDP Special Investigative Training funding, NW3C also developed **Cyber Investigation 335 (Advanced Wireless Network Investigations)**. This new course focuses on techniques and methodologies used in locating devices connected to wireless networks. Course material covers the standards and best practices for using free and low-cost hardware and software solutions to locate wireless devices, whether the devices of interest are desktops, laptops, tablets, storage devices, wifi-enabled cellular phones, or other types of devices. Students will also learn the differences among wireless networking standards and how these differences can affect physically locating devices, how to conduct a detailed wireless site survey, and relevant legal concerns and considerations.

Commercial Products

NW3C, in conjunction with other companies, now also offers training related to learning, understanding and using certain commercially developed products. Training is available in computer network defense, using the Leidos CyberNEXS platform; Perlustro's ILooKIX forensic tool and X1 Social Discovery. These products focus on forensic collection, preservation and analysis of various forms of digital evidence, all areas that fall under NW3C's expertise.

In 2013, NW3C entered into partnerships with Leidos and Perlustro to provide training for the following:

- **Computer Network Defense:** This course instructs students on the fundamentals of computer network defense through a mix of presentations and hands-on exercises facilitated by the Leidos CyberNEXS platform. Topics covered include general security fundamentals, operating system hardening for

> **NW3C offers a robust curriculum of digital forensic courses designed to meet all skill levels.**

Windows- and UNIX-based systems, intrusion detection, incident response, and computer forensics.

- **ILooKIX:** This training serves as an overview of the most used features of ILook Investigator. It includes the IXImager to create a duplicate image of the hard disk and the examination of several hard drive partitions. The multiple aspects of this GUI-based forensic suite are presented with emphasis on imaging and processing of seized media. The student will walk through a case from previewing to the final reports and will be able to effectively conduct salvage, file signature analysis, registry analysis, hash analysis, deconstruction, keyword searches and more, on seized evidence.

Forensic Tools

Cutting-edge forensic tools developed by NW3C have been distributed to thousands of officers, investigators and analysts nationwide. Tools like PerpHound™ and TUX4N6™ enhance law enforcement's capacity to work with digital evidence across a broad spectrum of devices. In 2013, key updates were made to both forensic software tools and distributed to current and prior students of NW3C's Cyber Investigation 101 (Secure Techniques for Onsite Preview/STOP) and Cyber Investigation 105 (Basic Cell Phone Investigation/BCPI) courses, respectively.

TUX4N6™

Distributed through NW3C's STOP course, TUX4N6 is a software tool that allows law enforcement to preview a hard drive without writing to or altering data on the system. Development of the tool was funded by BJA. TUX4N6 incorporates a graphical user interface that allows officers

of all experience levels to quickly preview a machine for documents, graphics, videos, Internet browsing histories, audio files and a wide range of other data that may prove valuable in an investigation. In 2013, an updated version of the software was distributed to 1,090 students through the STOP course. Past students were able to update their software through NW3C's website.

PerpHound™

Funded by BJA, PerpHound is a forensic tool that enables law enforcement to analyze call detail records from cell phone companies. The software uses call record information to plot coordinates into Google Maps for a visual timeline of the location of a cell phone when a particular call was made. An updated version of PerpHound was distributed to 936 students through NW3C's BCPI course.

Additionally, NW3C presented an online demonstration of PerpHound's capabilities via webinar. Registrations totaled 1,340 law enforcement personnel. A recording of the demonstration also was made available to registrants for on-demand viewing.

Social Media and Internet Investigations

Outreach Training Event

NW3C presented a successful outreach training program – "Online Social Media and Criminal Investigations" – at the College of William and Mary in Williamsburg, VA. The 274

Attendees at NW3C's Outreach in Williamsburg, VA, learned ways to use social media in criminal investigations

attendees from seven states and the District of Columbia represented 87 state, local and federal law enforcement and regulatory agencies as well as several branches of the military.

Attendees learned how social media networking sites function, how the users of these sites interact with each other and the outside world, and what information is available on these sites and how it can be integrated with criminal investigations and intelligence-gathering activities. As part of the training, attendees received a resource CD that contained material featured in the training presentation as well as tutorials and sample investigative documents.

Webinars

In addition to in-person or lab-based programs, NW3C continually seeks out new and innovative means of providing relevant, timely training to law enforcement nationwide. In 2013, several webinars focused on social media and Internet investigations:

- **What Investigators and Analysts Need to Know about Facebook and Online Social Media (three-part series):** With over one billion profiles, Facebook is by far the most populous of all social networking sites. Too often, investigators and analysts overlook or underutilize this valuable resource. The first session gave law enforcement an overview of the platform and how it is used, while the second and third sessions focused on serving legal process, maintaining covert profiles and other investigative techniques. The three-part series drew intense interest among law enforcement and regulatory personnel from agencies in the U.S. and abroad, with 3,473 registrations.

- **Metadata and EXIF Tags – What Investigators and Analysts Need to Know:** People unwittingly create and transfer metadata with some forms of communication. This webinar presented an overview of how metadata is created and transmitted along with a number of real-world scenarios. Attendees received step-by-step instructions on how to recover metadata and use it in criminal investigations. A total of 986 registered for this session.

- **What Investigators and Analysts Need to Know about Hiding on the Internet:** This webinar, which had 1,592 registrations, covered various methods of hiding one's identity and location while engaged in activities on the Internet. It provided valuable information for investigators involved in covert online operations or research.

Social Media 101 Seminar

This one-day event focuses on popular social media platforms and how they work, policies and procedures for law

enforcement using social media for investigative and public outreach purposes, legal issues related to social media, and emerging trends. Four sessions were held in late 2013 – in Los Angeles, CA; Baton Rouge, LA; Montgomery, AL; and Charleston, WV – with a total of 316 students. Additional

Interest has been high for NW3C's new Social Media 101 course

offerings of this popular seminar are planned for 2014.

Financial Crime Training

Providing law enforcement with the practical skills for investigating complex financial crimes has long been a hallmark of NW3C's core mission. Much like cybercrime, financial crimes constantly evolve with the times, requiring law enforcement to keep pace with new schemes and methods.

The financial crime training provided by NW3C undergoes continuous review with the aid of subject matter experts. In 2013, NW3C mounted key curriculum reviews for its Intellectual Property Theft, Mortgage Fraud and Financial Crimes Against Seniors training courses.

Intellectual Property Theft

In 2013, NW3C maintained an aggressive schedule for providing training in Intellectual Property (IP) Theft investigations, delivering 23 courses to 500 law enforcement and regulatory personnel. Seminar-style IP trainings have been developed and presented in regions where agencies have received BJA IP enforcement grants. Also, NW3C provided targeted technical assistance to various BJA enforcement grantees. NW3C is developing web-based training and resources to coincide with face-to-face deliveries of IP theft investigative training.

Mortgage Fraud

NW3C has been a national leader in the effort to equip state, local and federal law enforcement with the knowledge and tools to investigate and successfully prosecute mortgage fraud and related crimes. In 2013, NW3C provided 15 courses to 297 investigative and regulatory personnel. The BJA Mortgage Fraud and Vacant Property Crime Working

Group – BJA, NW3C, the National Crime Prevention Council, the National District Attorneys Association and the St. Petersburg College Center for Public Safety Innovation – meets regularly to coordinate the larger training effort.

Investment Fraud

NW3C partnered with the Financial Industry Regulatory Authority (FINRA®) to provide training to law

Cutting-edge forensic tools developed by NW3C have been distributed to thousands of officers, investigators and analysts nationwide.

enforcement conducting investment fraud investigations. NW3C collaborated with FINRA's Investor Education Foundation and Office of Fraud Detection and Market Intelligence to develop a one-day course that provides knowledge and tools necessary to respond to investment fraud and related crimes. In 2013, NW3C delivered five trainings to 213 law enforcement and regulatory personnel (an additional course was provided in late 2012).

Intelligence Writing and Briefing

NW3C developed and delivered Intelligence Writing and Briefing training through an award from the U.S. Department of Homeland Security (through FEMA) and the National Training and Education Division. The training addresses the demonstrated need for fusion centers and analysts to produce high quality intelligence reports and briefings. The course included basic intelligence writing and briefing principles and methods to facilitate increased intelligence sharing. In 2013, NW3C delivered 19 courses to 267 law enforcement personnel.

Online Salvage and Vehicle Auction Fraud

NW3C received BJA funding to develop and deliver training related to the Internet's impact on the rapid growth of salvage vehicle auction fraud and other auto theft and fraud-related crimes. Topics covered include:

- History and overview of auctions and their progression from fixed sites to online marketplaces;
- The environment, including the suppliers, sellers and buyers;

Online Salvage Vehicle Auction Fraud Expert Jeff Davis

- Detection and investigation through the examination of the end-to-end movement of vehicles, recognizing detection points and suspicious activity;
- Indentifying earlier indicators of potential criminal activity; and
- Case studies.

Four courses were delivered in 2013 to a total of 283 law enforcement personnel. Additional courses are planned for 2014.

The Online Salvage training evolved out of NW3C's successful VIN Cloning and Motor Vehicle Title Fraud

Welcoming law enforcement to a tobacco trafficking conference

training program, also funded by BJA. NW3C presented 33 VIN Cloning courses to 2,235 law enforcement personnel.

Tobacco Trafficking

NW3C continued its longstanding partnership with Altria in 2013, presenting a total of eight training conferences titled *Illicit Tobacco: Trafficking Patterns and Organized Crime*. Held throughout the country, these training events totaled 537 attendees from law enforcement and regulatory agencies at the local, state and federal levels.

This conference provides attendees with a variety of perspectives on tobacco trafficking and how law enforcement, policy makers and private industry have confronted the problem. Key topic areas include: fundamentals of the illicit cigarette trade, prosecution strategies, trafficking patterns and trends, and a review of current enforcement and interdiction efforts. NW3C and Altria will continue this joint effort into 2014.

Events

One unique way NW3C reaches the law enforcement community and others with information about its training, tools and services is through the numerous events nationwide with which it participates every year. NW3C sets up an exhibit booth staffed by personnel to answer questions and provide information at many of these events. In addition, NW3C gives presentations and training at some of these events. Highlights from 2013 included exhibiting and participation at the following:

- International Association of Chiefs of Police Conference, Philadelphia, PA

NW3C's Jeff Lybarger talks to Scouts at the Jamboree

- National Sheriff's Association Annual Conference, Charlotte, NC
- National Organization of Black Law Enforcement Executives Conference, Pittsburgh, PA
- Crimes Against Children Conference, Dallas, TX
- 2013 Boy Scouts of America Jamboree, Mt. Hope, WV

NW3C's participation at the Boy Scouts Jamboree was unique because it allowed NW3C to reach thousands of young people. Approximately 20,000 – 25,000 Scouts visited the NW3C exhibit where they learned about NW3C training tools and social media safety.

2013 Success Stories

Throughout the year, NW3C receives success stories and accolades from the agencies trained. These success stories demonstrate NW3C's impact on law enforcement nationwide. Three examples are provided below:

Detective Corporal Ryan Franks
Baltimore County Police Department

In March 2013, the Baltimore County Police Department co-hosted an NW3C Intellectual Property Seminar. These seminars are designed to inform a large group of law enforcement officers about the economic and health and safety repercussions of counterfeit products. According to Franks, several officers who attended the seminar became more aware of intellectual property crime. Several cases were made as a result of information learned at the seminar, resulting in the seizure of $20,000 worth of counterfeit merchandise.

As a follow up to a successful 2012 IP raid, Baltimore officers visited a Dundalk flea market in September 2013 with search warrants and seized another $54,000 worth of merchandise from repeat offenders. Overall for the life of their BJA IP enforcement grant, the Department has seized around $2 million in merchandise. "The training was very beneficial and useful especially for those detectives who have limited experience with counterfeit crimes," says Franks. "There is so much of it out there; hypothetically we could keep doing it all day, every day."

Special Agent–in–Charge Anthony Maez
ICAC and Human Trafficking Task Forces
New Mexico Attorney General's Office

"The invaluable trainings that you and your agency provided to the law enforcement officers within the New Mexico Internet Crimes Against Children Task Force has proven to be some of the most important I have had the privilege of coordinating. Numerous officers have contacted me explaining how they apply their newly found knowledge daily and how your trainings have assisted them in their investigations. The highly technical trainings you brought to New Mexico have enabled our officers to be extremely well versed in so many different aspects of ICAC investigations and thus provided them with the tools and confidence to continue their important journey protecting children. I am profoundly grateful for your eagerness to work with me and provide so many advanced trainings for our state."

Captain Kirk S. Marlowe
Commander, High Tech Crimes Division
Virginia State Police

Frequently NW3C Computer Crime Specialists are sought out for their technical expertise when an agency prepares to examine a device for potential digital evidence. One such instance occurred in October 2013, and it demonstrates the value of NW3C forensic training and research related to Apple Macintosh devices. In a letter to NW3C, Virginia State Police Captain Kirk S. Marlowe wrote:

"Virginia State Police and New York State Police currently are working jointly on a case involving at least two perpetrators involved in a large-scale credit card fraud and theft of cell phones. One of the individuals was recently arrested in Virginia and found to be in possession of a stolen cell phone. The second individual uses addresses in New Windsor and Fishkill, New York. Preliminary digital evidence reflects

> **"(Your) highly technical trainings …enabled our officers… to continue their important journey protecting children."**
> **-Special Agent-in-Charge Anthony Maez**
> **New Mexico Attorney General's Office**

evidence of the New York perpetrator committing crimes in Virginia. Associated IP addresses and telephone records have potentially linked co-conspirators to these frauds.

"Investigators have recently confiscated assorted Macintosh devices for examination. The Virginia State Police Computer Crime Laboratory in Richmond has recently received two MacBook Pros, one MacBook Air and one iPhone. It is anticipated they will be receiving at least three additional iPhones and three iMacs."

While in the Richmond-area presenting training in October, one of the NW3C Computer Crime Specialists was able to assist with the forensic examination of the seized devices.

Looking Ahead

NW3C will continue to offer options for law enforcement that allow greater flexibility when selecting training, such as online courses and webinars. In addition, through a combination of research and enlightened curriculum development, NW3C will make use of technology as it unfolds to offer the training that may best assist law enforcement in its mission to fight crime.

Research Serves the NW3C Mission

In order to effectively fulfill its mission to provide cutting-edge training and analytical support to law enforcement, NW3C must conduct the research required to both stay up-to-date with technology and trends and also to measure the effectiveness of current programs and processes. NW3C's researchers not only respond to inquiries from the law enforcement community on topics ranging from economic crimes to legal concerns, but they also participate in projects designed to support and inform NW3C's efforts to develop the curriculum that prepares law enforcement for its many challenges.

Special Projects

The projects handled by NW3C this year increased the understanding of topics related to white collar crime and gave NW3C's curriculum development section the knowledge needed to design relevant training for law enforcement.

Defining White Collar Crime

Under a grant from BJS, NW3C continued its work with subject matter experts from the White Collar Crime Research Consortium to develop a definition of white collar crime. As part of its research, the group developed and surveyed state attorneys general and related offices regarding their work with white collar crime cases. They arrived at the following definition: White collar crime is "any violation of law committed through non-violent means, involving lies, omissions, deceit, misrepresentation or violation of a position of trust, by an individual or organizations for personal or organizational benefit."

As part of this grant, NW3C also worked with the National Association of Attorneys General (NAAG) to identify and document state-level agencies working white collar crime cases and with BJS to assess existing BJS data collection systems. At the end of this two-year grant, NW3C researchers will complete a final report detailing recommendations for future data collections on white collar crime.

Creating a Community Policing Tool

With funding from a two-year grant from Community Oriented Policing Services (COPS), an office within DOJ, NW3C is conducting research into the most frequently reported computer-related complaints. The information gathered will be used to develop a community policing tool useful to local law enforcement and the public as well. NW3C will work with IACP to distribute this training tool nationwide.

Legal Brief for the Supreme Judicial Court of Massachusetts

NW3C researched and wrote the Brief of Amicus Curiae for the Supreme Judicial Court of the Commonwealth of Massachusetts in support of the appellant. The brief related to a case which called into question whether the government could compel a criminal defendant to turn over a boot password to a computer's encrypted hard drive that he used to access the computer in question in the case.

Notre Dame Law Journal Article

NW3C researched and wrote an in-depth article for the Notre Dame Law Journal. The purpose of the work was to help clarify the concept of white collar crime, review what it has traditionally been perceived to be and discuss what it is becoming in the age of computers, the Internet and rapidly advancing technology. The goal was to provide the reader with a better understanding of the nature of white collar crime, its impact on society and the direction in which it seems to be heading.

Whitepapers

NW3C periodically produces whitepapers to provide information about trends related to white collar crimes. In 2013, NW3C made significant updates to the following whitepapers:

- Cyber-Bullying;
- Internet Fraud;
- Cyberstalking;
- Criminal use of Social Media;
- Healthcare Fraud; and
- Money Laundering.

Reviewing Intellectual Property Grants

BJA defines Intellectual Property (IP) crime as "the violation of criminal laws that protect copyrights, patents, trademarks, other forms of intellectual property and trade secrets." IP crime has been around for centuries, yet continues unabated, affecting all segments of the population worldwide. Between 2009 and 2011, BJA awarded a series of grants to several applicants to fund their initiatives aimed at reducing intellectual property theft related crimes. These 28 grant recipients came from a diverse population of the law enforcement, investigative and prosecutorial fields and included one university. NW3C research staff surveyed these grantees in 2013 in an effort to improve the process of awarding and executing grants. The survey yielded a 92.8 percent response rate, providing a variety of information about the ways in which these funds were utilized.

Looking Ahead

In 2014, NW3C will continue to conduct the research required to ensure that law enforcement has access to up-to-date information related to white collar crime. The results of research projects will be used to develop the cutting-edge training that law enforcement needs to stay ahead of criminals in an era of rapid technological advancements.

Working to Help Prevent, Investigate and Prosecute High-tech Crime

When NW3C began in 1978, "high-tech" did not mean what it does today. With the advent of personal computers, the Internet, mobile phones and social media, technology has opened avenues for communication unimaginable 35 years ago. Unfortunately, some people use new technologies to facilitate a variety of crimes, ranging from attacks aimed at disabling companies or immobilizing governments to attempts to steal the identities of average citizens. As part of its mission, NW3C works to stay up-to-date with advancements in technology and provide the training, investigative support and research that law enforcement needs to prevent, investigate and prosecute these crimes.

The Internet Crime Complaint Center

As part of its efforts to combat online crimes, NW3C partnered with the FBI in May 2000, to begin what is now called the Internet Crime Complaint Center (IC3). Covering crimes ranging from "Nigerian" letter scams to network intrusions, IC3's analysts conduct research and compile criminal activity information for referrals to federal, state, local, or international law enforcement and/or regulatory agencies for any investigation they deem to be appropriate. Since the cases received and analyzed by IC3 often span jurisdictional boundaries, housing them in a central repository allows for greater efficiency in their analysis and disbursement. IC3 maintains the nation's largest single repository for Internet-related complaints. In 2013, consumers filed 262,813 complaints.

Operations and Results

Throughout the year, NW3C's IC3 section participates with projects that aim to prevent online crime and instruct law enforcement about Internet technologies and ways they may be used by criminals. IC3 has produced and delivered online and in-person training for law enforcement about social media and has also prepared research white papers on the topic of social media.

> Unfortunately, some people use new technologies to facilitate a variety of crimes, ranging from attacks aimed at disabling companies or immobilizing governments to attempts to steal the identities of average citizens.

In January 2013, the method for law enforcement to access IC3 data changed. Law enforcement personnel may now access IC3 data through the FBI's Law Enforcement Enterprise Portal (LEEP) at www.leo.gov. This secure portal gives investigators direct access to the complaints filed with IC3, allowing them to search complaints and build cases. To use the LEEP portal, a user must have an account; however, the account is free to law enforcement agencies. If an agency does not already have a LEEP account, it may complete the application on www.leo.gov. This application must be processed before access is granted.

The FBI's Law Enforcement Enterprise Portal (LEEP)

IC3 2013 Statistics

Six of the most frequently reported crimes, include the following:

- Vehicle scams
- Real estate fraud
- Work from home scams
- Romance scams
- Intimidation/Extortion scams
- FBI Impersonation

Complaints filed with IC3
Top Ten States (1/1/13 – 12/19/13)

State	Complaints
1. California	28,992
2. Florida	17,802
3. Texas	16,106
4. New York	12,670
5. Pennsylvania	7,936
6. New Jersey	7,670
7. Illinois	7,043
8. Virginia	6,787
9. Ohio	6,571
10. Georgia	6,187

2013 IC3 Success Stories

Selling Non-existent Vehicles

IC3 received multiple complaints against Rance Carli of Salem, CT, accusing him of selling non-existent vehicles and motorcycles on the Internet. Carli was arrested in July 2013 and charged with listing cars for sale, which he neither possessed nor owned, on sites such as eBay®. The fraud also involved altering and forging documents for the listed vehicles. Carli allegedly received money from dealers and private persons but failed to deliver the purchased items. During the scheme, Carli allegedly received more than $245,000 from complainants across the United States and in foreign countries. Carli is currently awaiting trial at the Corrigan-Radgowski Correctional Center in Montville, CT, on a $1.32 million bail. He faces eight first-degree and three second-degree larceny charges in the New London Superior Court.

Mail and Wire Fraud

Michael Kerry Devely, a Canadian citizen, was charged in a criminal conspiracy which involved co-conspirators in Canada, the United States and Costa Rica. Complainants reported that Devely presented them with business opportunities to buy into companies (which did not actually exist) referred to as "Cards-R-Us, Inc.," "Premier Cards, Inc.," and "Nation West." Devely and his co-conspirators made numerous false statements to the complainants including an indication that they would likely see a substantial profit. Instead, the complainants lost thousands of dollars in this scheme. IC3 received multiple complaints against Deevy and he was arrested in February 2013. He pleaded guilty to one count of conspiracy, three counts of mail fraud and nine counts of wire fraud. He was convicted and sentenced to 60 months in prison and five years of supervised release. He was also ordered to pay over $4.5 million in restitution.

Looking Ahead

As the methods used by criminals keep pace with technology and as traffic on the Internet increases, NW3C will continue to educate itself about crime trends and take steps to protect the online public. NW3C will also continue to offer valuable services and trainings related to online crime to law enforcement.

Effective Case Support Leads to Favorable Case Outcomes

To bring a case involving economic or high-tech crime to a successful conclusion often entails thousands of hours spent conducting research, interpreting findings and creating materials for court presentations. Effectively developing complex cases may severely tax a single department's or agency's resources or may be beyond its developed expertise. Fortunately, as part of its mission, NW3C provides analytical assistance, performs public database searches for member agencies, and prepares materials needed in the courtroom. Were it not for NW3C's analytical products and testimony, many of these cases might not be adjudicated. If not for the pleas and convictions obtained in part due to NW3C's analytical assistance, many victims would not receive restitution or closure.

$5.25 million in criminal restitution ordered

$4.81 million in criminal fines imposed

$883,000 in forfeiture

452 months of criminal sentences imposed

Case support provided by NW3C includes the following:

- Assisting with the creation of analytical products, including financial reports, charts, graphs and more;

- Conducting searches of public records;

- Preparing materials for court presentations, including timelines and graphs;

- Extracting financial statement data and exporting it into electronic spreadsheets;

- Establishing financial transaction patterns; and

- Developing connections between criminal targets and their unlawful activities and representing the association with link charts.

Operations and Results

BJA, through its grants to NW3C, made possible the case support NW3C provided to law enforcement in 2013. NW3C's assistance to investigators and prosecutors facilitated many outcomes favorable to both victims and crime-fighters. During the past year, NW3C produced 141,623 analytical products, including financial and other types of reports, charts, graphs and lines of data entry as well as conducting 10,335 public records searches.

Results from cases utilizing NW3C's services included the following:

- Over $5.25 million in criminal restitution ordered;

- $4.81 million in criminal fines imposed;

- $883,000 in forfeiture; and

- 452 months (more than 37 years) of criminal sentences imposed

2013 Success Stories

The successful outcomes of numerous cases with which NW3C assisted in 2013 underline the beneficial effect of the support NW3C provided to investigators this year. A few of the success stories are listed below.

Fraudster to Spend Nine Years in Federal Prison

Mr. Michael F. Harris, the subject in this case, raised $875,000, telling investors the money would be used for research, human trials and patents related to the treatment of AIDS. The evidence showed that less than $55,000 of these investments went to pay patient expenses and none of it was used for research. The bulk of the money went to pay Harris' personal expenses, including the purchase of a home and payment of alimony. An NW3C analyst assisted in this case, providing analytical support and testifying in court. Harris was ordered to forfeit $883,000 to the US government and to pay restitution to his victims in the amount of $874,926. Harris' total monetary penalty was $1.75 million and he was sentenced to serve nine years in federal prison.

Securities Fraud Perpetrator Must Pay $8.6 million

The subjects in this case, Glen Kane Jackson and his wife Glenda, promised high yields through "low risk" investments in foreign currency exchanges. The subjects collected millions of dollars from their investors and spent huge sums on personal expenses. An NW3C analyst provided analysis and testimony in this case. One of the subjects took a plea deal in 2011. In 2013, the other subject plead guilty and was sentenced to seven years and ordered to pay $3.8 million in restitution to victims and $4.8 million in fines.

Guilty Pleas in Debit/Credit Card Skimming Case

Two subjects plead guilty to 17 felony counts of identity theft related to their role in an ATM card skimming ring that operated on the West Coast. An NW3C analyst provided Excel spreadsheets, i2® charts and Google Earth snapshots that showed the movement of the subjects on the days of the skimming activities. As a result of the analysis, the analyst identified an additional skimming location of which the investigative team was unaware. Specifically, on this day in question, the call detail records showed that the subjects left their homes and traveled over 250 miles in separate cars to commit the skimming activity.

NW3C provides analytical assistance, performs public database searches for member agencies, and prepares materials needed in the courtroom.

Looking Ahead

NW3C will continue to provide invaluable support to investigators working a variety of cases involving economic and high-tech crime. In the year ahead, NW3C's analytical assistance will increase the ability of its members and others in the law enforcement community to investigate crimes and secure convictions.
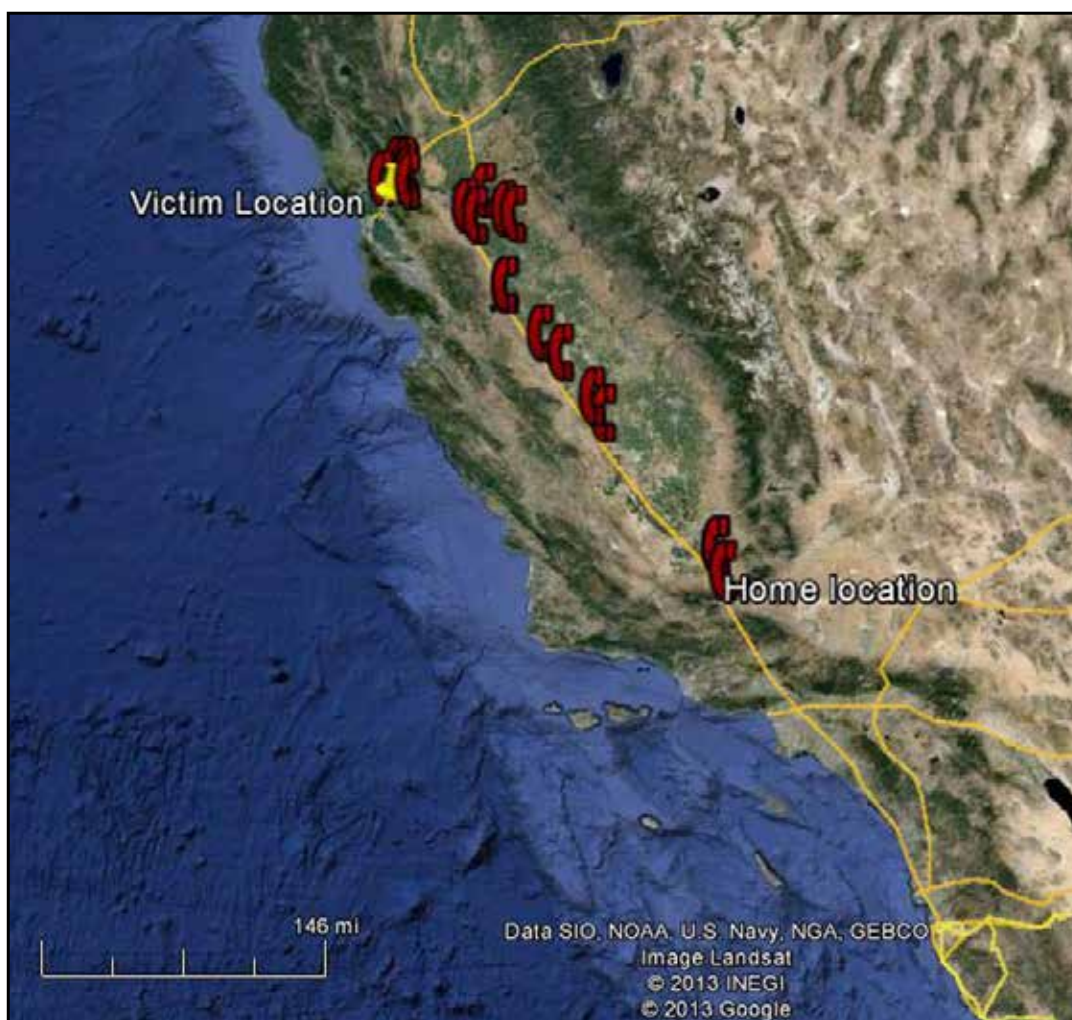
Google Earth snapshot showing approximate location of suspects' cell phones in debit/credit card skimming case.

Serving Law Enforcement by Supporting the NW3C Mission

Effectively accomplishing the NW3C mission to support and serve law enforcement requires not just the front-line instructors and analysts, but also the IT and communications staffs working behind the scenes. These personnel maintain the digital infrastructure that facilitates all aspects of NW3C's operations; provide information to assist law enforcement on the street; and facilitate NW3C's participation in events, courses and programs. Through a combination of routine tasks and special projects, NW3C's support staffs enable and improve its efforts towards the prevention, investigation and prosecution of white collar crimes.

On a daily basis, IT works to underpin NW3C's entire digital infrastructure. By facilitating course registrations; maintaining databases, servers, and security; and ensuring the smooth operation of email, the website NW3C.org, and all routine issues related to staff computers, IT creates the framework through which NW3C's work takes place and its mission gets accomplished.

Communications also performs many routine tasks aimed at supporting others both within NW3C and within the law enforcement community at large. It creates nationwide awareness of the training NW3C offers; it researches and writes articles instructive for law enforcement and the public, publishing them on NW3C's website, on social media or in one of NW3C's other publications; and it assists with a variety of tasks aimed at improving NW3C's overall communications. Along those lines, it responds to requests from the media for information related to NW3C, its programs and training, and cybercrime, in general.

In addition to performing requisite daily tasks, NW3C's support staff personnel undertake special projects throughout the year with the goal of improving operations. This year IT accomplished several ambitious system upgrades aimed at overhauling various aspects of NW3C's digital infrastructure to allow more effective operations. NW3C added features to improve server performance, installed telecommunications enhancements, and replaced its aging help ticket system with a new Help Desk and Inventory Tracking System.

In order to update NW3C's membership system and other outdated structures, NW3C implemented a large-scale software rollout this year to the Aptify® platform. Aptify has greatly streamlined the process for storing, retrieving and managing membership and training data. It also permits improved hosting and tracking of online classes. As a customizable system, NW3C will be able to tailor Aptify to meet additional changing requirements into the future.

Also with an eye to the future, NW3C has transitioned its quarterly magazine, the *Informant*, and its monthly newsletter, *the Briefing*, into a digital news journal. Called simply *NW3C News*, this online news magazine is part of the NW3C.org website. Within its pages, law enforcement may find up-to-date information on trends, news, investigative tips, training and links to other resources. The site also incorporates features which allow users to share articles via social media or email, submit ideas, and enjoy content containing video clips or other interactive content.

> **NW3C has transitioned its quarterly magazine, the *Informant*, and its monthly newsletter, the *Briefing*, into a digital news journal.**

Other accomplishments this year include:

- An NW3C "impact" web page with links to a variety of printable documents featuring NW3C's services and resources.

- Support for online and video training production, a video providing instruction on cyber threats and a variety of webinars and multimedia projects.

- Partnership with other agencies nationwide to promote training for law enforcement, including the Targeting Fraud Conference in Ohio and the National Elder Abuse Symposium in California.

- Coordination of a successful outreach event for law enforcement in Williamsburg, VA.

- Coordination of both the *NW3C 2012 Annual Report* and the *2012 Internet Crime Report*.

- Creation of an online NW3C membership application process.

- Participation in 13 law enforcement exhibitions and conferences.

Looking Ahead

NW3C will continue to find ways to use technology to improve operations into 2014 and beyond. NW3C will also utilize all forms of technology to assist in the effort to communicate with law enforcement and aid in the prevention, investigation and prosecution of white collar crimes.

Manhattan District Attorney's Office:
Recipient of NW3C 2013 Member Agency Award for Excellence

Each year, NW3C recognizes the member agency that best exemplifies its mission—to provide training, investigative support and research to support the prevention, investigation and prosecution of economic and high-tech crime. This year, NW3C was pleased to present the Member Agency Award for Excellence to the Manhattan District Attorney's Office.

The Manhattan District Attorney's Office has a longstanding relationship with NW3C that dates back to 1978, when the office was one of the charter member agencies of the Leviticus Project, which evolved into what we know today as the National White Collar Crime Center. Throughout the years, the Manhattan District Attorney's Office has partnered with NW3C to further its mission by implementing initiatives such as a multi-state consortium to combat fraud and reduce and prosecute crime.

District Attorney Cyrus Vance Jr. leads the Manhattan District Attorney's Office and he supports its participation with NW3C-sponsored training. District Attorney Vance noted, "It is an honor to receive this award from the National White Collar Crime Center,

which recognizes my office's commitment to combating cybercrime. Over the past few years, our collaboration with NW3C has allowed for the expansion of my office's Cyber Academy, enabling our in-house instructors to conduct comprehensive, multi-day trainings for law enforcement agencies and prosecutors' offices around the city, state, and country. I look forward to continuing this partnership in the future."

Since 2006, the Manhattan District Attorney's Office has trained more than 2,000 people in state-of-the-art computer forensic techniques and analysis. As part of its membership with NW3C, the District Attorney's Office has been approved to host courses on the seizure, investigation and forensic previewing of electronic evidence. This training is offered free of charge to members of the law enforcement community.

West Virginia State Auditor Glen Gainer, Chairman of the NW3C Board of Directors, presented the award. He stated: "It is an honor to work with an organization such as this that demonstrates ingenuity and integrity in the continued fight against white collar crime."

NW3C Deputy Director Mark Gage (left), Manhattan District Attorney's Office Deputy Chief Investigator of Cyber and Forensic Investigations Richard Brittson, District Attorney Cyrus Vance Jr., NW3C Board of Directors Chairman Glen Gainer and NW3C Director Don Brackman. (Photo/DANY)

Appendix I

NW3C Training Classes Delivered in 2013

	Course	Number of Students
Computer Crime	Cybercop 101: Basic Data Recovery & Acquisition (BDRA)	528
	Cybercop 201: Intermediate Data Recovery & Analysis (IDRA)	435
	Cybercop 215: Macintosh® Triage & Imaging (MTI)	113
	Cybercop 225: Apple® iDevice Forensics (iDevices)	106
	Cybercop 315: Windows® Artifacts (WinArt)	135
	Cybercop 320: Windows® Internet Trace Evidence (INET)	112
	Cybercop 325: Macintosh® Forensic Analysis (MFA)	18
	Cyber Investigation 100: Identifying & Seizing Electronic Evidence (ISEE)*	1,317
	Cyber Investigation 101: Secure Techniques for Onsite Preview (STOP)	1,090
	Cyber Investigation 105: Basic Cell Phone Investigations (BCPI)	976
	Cyber Investigation 201: Basic Online Technical Skills (BOTS)	43
	Cyber Investigation 205: Cell Phone Interrogation (CPI)	401
	Cyber Investigation 210: GPS Interrogation (GPSI)	722
	Cyber Investigation 220: Wireless Network Investigations (WNI)	57
	Cyber Investigation 335: Advanced Wireless Network Investigations (AWNI)	62
	Basic Computer Skills for Law Enforcement (Web-based)	647
	Encryption (Web-based)	74
	Internet Complaint Search & Investigation System (ICSIS)	19
Financial Crime	Financial Crimes Against Seniors (FCAS)	49
	Financial Investigations Practical Skills (FIPS)	273
	Financial Records Examination & Analysis (FREA)	233
	Identity Theft Investigations (IDTI)	89
	Intellectual Property Theft (IP)	500
	Mortgage Fraud (MORF)	297
	Targeting Investment Fraud (TIF)	213
Intelligence Analysis	Foundations of Intelligence Analysis Training (FIAT)	206
	Intelligence Writing & Briefing (IWAB)	267
Specialty Training	Online Salvage Vehicle Auction Fraud	283
	Social Media 101 Seminar: What Law Enforcement Needs to Know	316
	Illicit Tobacco: Trafficking Patterns & Organized Crime Training	537
	Outreach Training: Online Social Media & Criminal Investigations	274
	Total	**10,392**

*Includes Web-based ISEE courses

NW3C Webinar Training Delivered in 2013

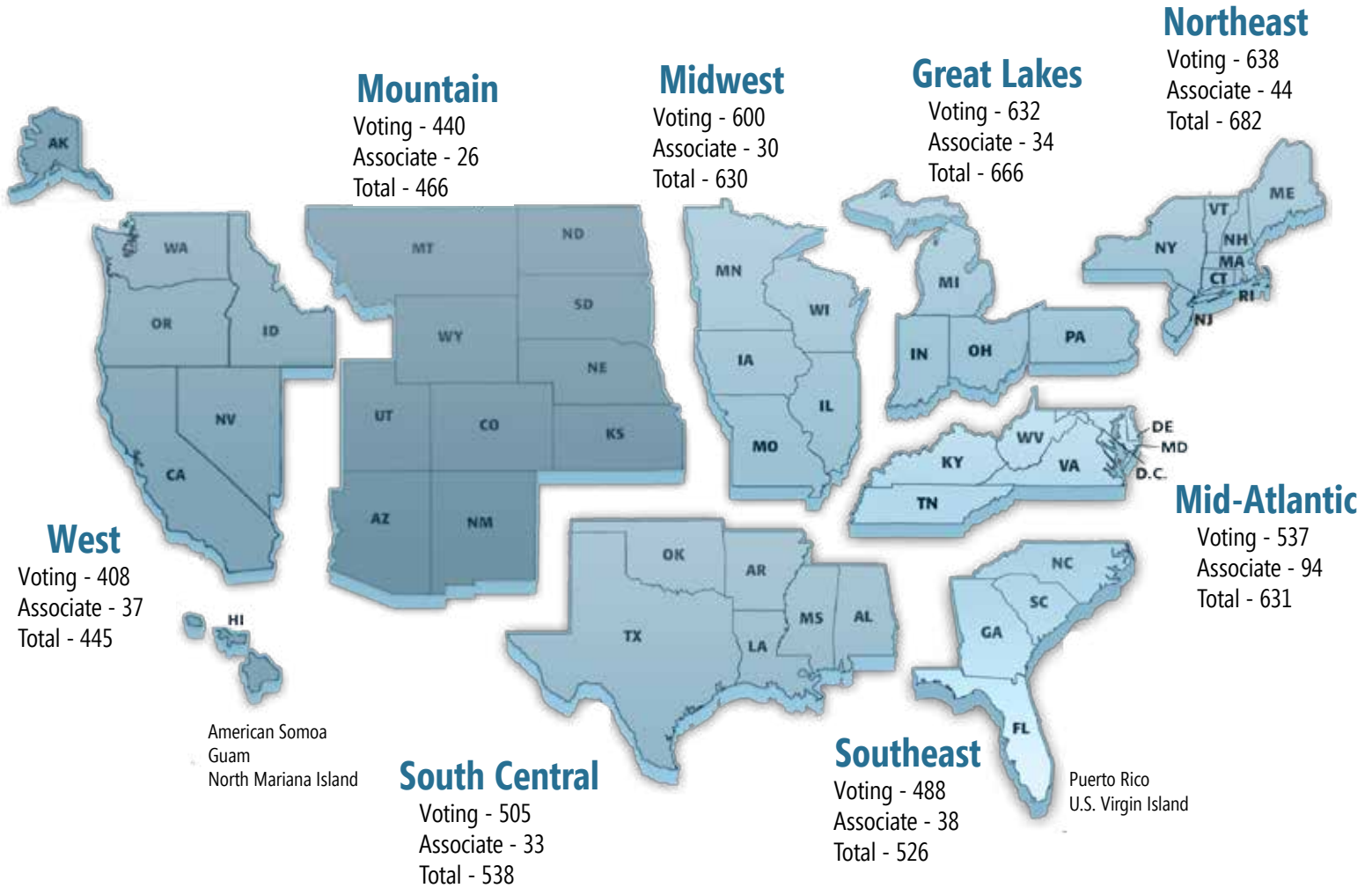| Course	Registrations	Connections*
What Investigators and Analysts Need to Know about Facebook and Online Social Media (1)	1,196	894
What Investigators and Analysts Need to Know about Facebook and Online Social Media (2)	1,223	748
What Investigators and Analysts Need to Know about Facebook and Online Social Media (3)	1,054	634
Metadata & EXIF Tags	986	548
What Investigators Need to Know About Hiding on the Internet	1,592	805
PerpHound Demonstration	1,340	645
Total	**7,391**	**4,274**

*Webinars are often watched in groups, from a single connection; therefore, registrations provide a fuller gauge of interest in program.

Membership Regional Map

4,622 Member Agencies as of December 31, 2013
Voting - 4,248   Associate - 374

Mountain
Voting - 440
Associate - 26
Total - 466

Midwest
Voting - 600
Associate - 30
Total - 630

Great Lakes
Voting - 632
Associate - 34
Total - 666

Northeast
Voting - 638
Associate - 44
Total - 682

West
Voting - 408
Associate - 37
Total - 445

Mid-Atlantic
Voting - 537
Associate - 94
Total - 631

American Somoa
Guam
North Mariana Island

South Central
Voting - 505
Associate - 33
Total - 538

Southeast
Voting - 488
Associate - 38
Total - 526
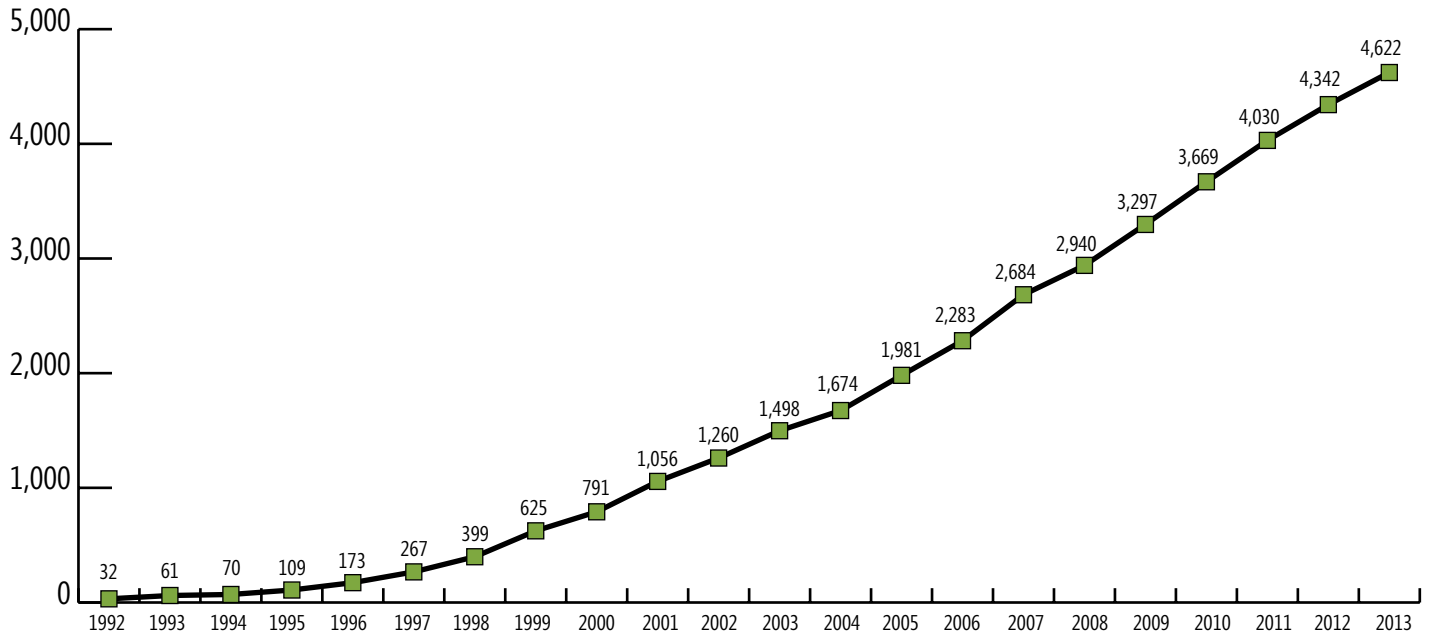
Puerto Rico
U.S. Virgin Island

International Associate Member Agencies

Total - 38

Representing the countries of Australia, Belgium, Canada, Costa Rica, Finland, Germany, Hong Kong, India, New Zealand, Nigeria, Palau, Philippines, Turkey, Ukraine, the United Kingdom and United Arab Emirates.
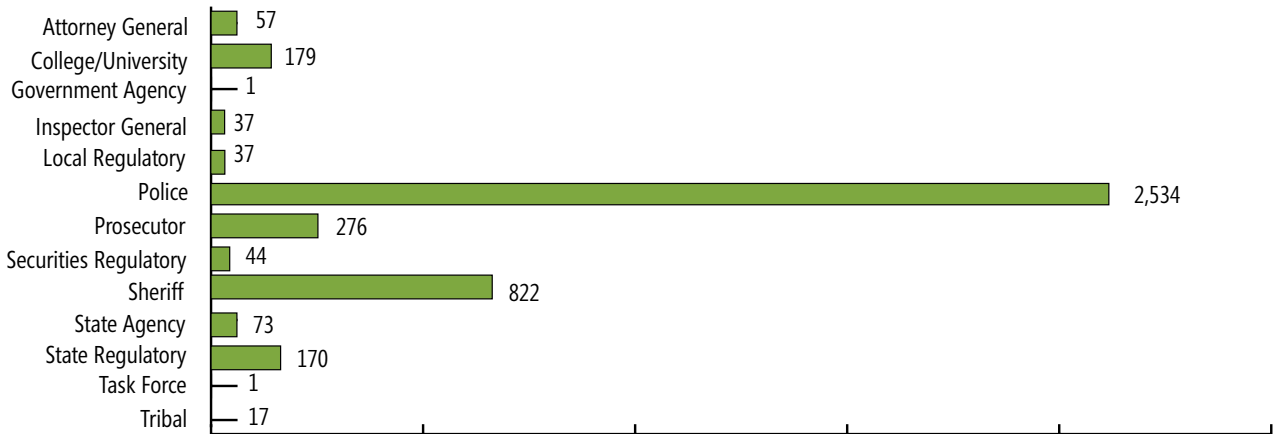
NW3C Membership Growth
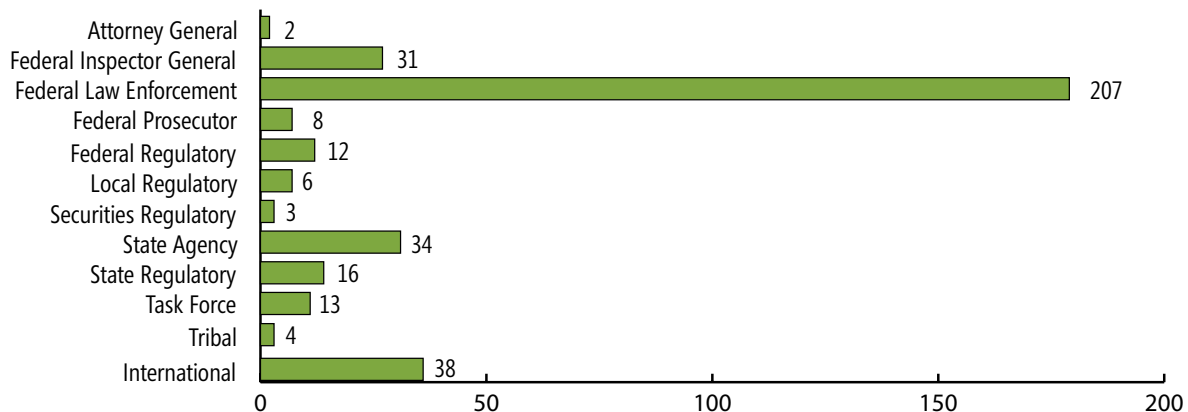## From November 30, 1992* to December 31, 2013

Values by year:
- 1992: 32
- 1993: 61
- 1994: 70
- 1995: 109
- 1996: 173
- 1997: 267
- 1998: 399
- 1999: 625
- 2000: 791
- 2001: 1,056
- 2002: 1,260
- 2003: 1,498
- 2004: 1,674
- 2005: 1,981
- 2006: 2,283
- 2007: 2,684
- 2008: 2,940
- 2009: 3,297
- 2010: 3,669
- 2011: 4,030
- 2012: 4,342
- 2013: 4,622

*Leviticus Project Association, Inc. evolved into the National White Collar Crime Center, Inc.

4,248 Voting Member Agencies by Agency Type

Agency Type	Count
Attorney General	57
College/University	179
Government Agency	1
Inspector General	37
Local Regulatory	37
Police	2,534
Prosecutor	276
Securities Regulatory	44
Sheriff	822
State Agency	73
State Regulatory	170
Task Force	1
Tribal	17

374 Associate Member Agencies by Agency Type

Agency Type	Count
Attorney General	2
Federal Inspector General	31
Federal Law Enforcement	207
Federal Prosecutor	8
Federal Regulatory	12
Local Regulatory	6
Securities Regulatory	3
State Agency	34
State Regulatory	16
Task Force	13
Tribal	4
International	38

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