

Global Action on Cybercrime Extended Action Globale sur la Cybercriminalité Élargie





Implemented by the Council of Europe

Regional Conference on Policies and Strategies on cybercrime for the Caribbean Community

Capacity building for criminal justice authorities

Santo Domingo – 13 June 2019

Organic training of judges and prosecutors

Some judges and prosecutors will be naturally interested in cybercrime and electronic evidence. It is possible that they will be naturally drawn to exchanges ideas with fellow judges and prosecutors.

IT specialists can be embedded with the judiciary as experts that the judiciary consults.



Cybercrime law and



Antonio Piña Alonso shared a link. June 5 at 2:59 AM

La Directiva sobre el comercio electrónico no se opone a que, mediante un requerimiento judicial, se obligue a un prestador de servicios de alojamiento de datos que explota una plataforma de red social, como Facebook, a buscar e identificar, entre todos los datos difundidos por los usuarios de esa plataforma, datos idénticos a los declarados ilícitos por el órgano jurisdiccional que haya dictado dicho requerimiento. See Translation

DIARIOLALEY.LALEY.ES ¿Puede obligarse a Facebook a identificar y retirar los comentarios difamatorios a nivel mundial?

Organic training of judges and prosecutors





Enabling an international, knowledge led, and co-ordinated approach to prosecuting cybercrime

search

> HOME

ABOUT GPEN

WELCOME TO GPEN

GPEN is a global network that improves international cooperation among cybercrime prosecutors. Jointly organised training courses and the

LATEST TWEETS

January 10, 2019 Don't forget to complete your GPEN survey – it only takes five minutes and will really help us

Membership of the Int Association of Prosec gives access to nume benefits including;



Organic training of judges and prosecutors

CYBERCRIME LOCAL CONTROL OF THE CONT

- 4 -

The Chairman's Blog

A framework for cybersecurity and cybercrime, and a contribution for peace, security and justice in cyberspace

A new book «Cyberkriminalitet» (2017) (norwegian text) Comments: «Godt skrevet og et viktig bidrag på veien videre.» Roar Thon, (NSM):

A proposal for a Geneva Convention or Declaration for Cyberspace.

The Road in Cyberspace to United Nations. A 10 year Chairmans Anniversary Report on the development of global cybersecurity since 2008 and recommendations for future initiatives.

2018

December

The G 20 Summit 2018 was held in Buenos Aires, Argentina, and a G 20 Leaders Declaration was adopted titled: Building Consensus for Fair and Sustainable Development.

40 Years of Research on Cybercrime (1976–2016)



November



Judicial training academy

Judicial Training Academies

Judges generally receive initial training of anywhere from a few months to several years.

On the bench training is mandatory in most countries and the courses chosen can be important for the future career of the judge.

In some countries, prosecutors do not receive initial training and may not be part the judicial academy and may neither receive formal continuing education.

Courses on cybercrime and electronic evidence are increasingly being included in initial training and offered for on the bench training.

Courses can be anywhere from 1 day to 5 days or more. Courses can be divided in smaller modules.



ESCUELA NACIONAL DE LA JUDICATURA

República Dominicana



Privatized Judicial Training Academies





UNIVERSITÉ De montpellier

Council of Europe Train the trainers courses

The Technical Cooperation of Council of Europe includes:

- A basic course and an advanced course on cybercrime and electronic evidence for judges and prosecutors.
- Providing train-the-trainer in-country training for those courses.
- A guide on electronic evidence.





Course content



Technical understanding of IT concepts

- What are IP addresses, version 4, version 6.
- Domain names and registry information
- DNS records
- Routers, switches, hubs, network cards, bluetooth
- Hard disks and other data storage devices
- File systems: NTFS, EXT, FAT, WinFS, BTR and traces of file transactions that can be found or recovered.
- Meta data stored in files such as EXIF information
- Log files of the operating system, applications, security. System registry
- Network records
- IMEI numbers, serial numbers of hardware, MAC address



Cybercrime phenomena

- Business email compromise
- Advance Fee Fraud
- Denial of service attacks
- Botnets
- ATM skimming
- Malware and computer viruses
- Phishing
- Bitcoin tumblers
- Zero day attack
- Spyware



Cybercrime legislation

- Unauthorized access
- Illegal interception
- Data interference
- System interference
- Misuse of devices



Forensic laboratory investigations

- Hard disk imaging and cloning
- Data recovery from deleted hard disks
- Data extraction from mobile devices
- Malware reverse engineering
- Log file analysis
- (write-blocker and WhatsApp forensics)



Online investigation methods

- IP address tracing
- Email headers
- Bitcoin transaction tracing
- BGP routing tables
- Public sources online investigations such as social media accounts



Modus operandi of cybercrime

- Common cybercrime investigation techniques
- Sources of evidence that are investigated first
- Money mules
- VPN and Proxies for hiding IP addresses
- Mail drop accounts
- Video game chats



Electronic Evidence

- Reliability of electronic evidence
- Collection of electronic evidence
- Use of hash-value such as MD5 and SHA256 to attest the integrity of data
- Electronic signatures to guarantee the authenticity and integrity
- Chain of custody, example of court hearings





MD5, SHA-1, SHA-256, SHA-512... 1 a > 340 trillones de trillones

Case studies

- Creation of case studies for a classroom environment.
- Recurring crime, common cases.
- Case studies help provide experience when cybercrime cases are infrequent in court; or to discuss difficult cases without the pressure of an actual case
- Previous examples provided knowledge; case studies provide skills





- Mock cases that need to be enacted by participants.
- This provides participants with abilities





Competing rights

- Privacy <> access to evidence and security
- Free speech <> Acceptable Use Policies and private property rights



2000



2015



"Remember when, on the Internet, nobody knew who you were?"

Cybersecurity training

- Judges are themselves victim of cybercrime and are worried as they handle confidential and sensitive information.
- Requests for cybersecurity training are often raised such as:
 - Encrypting personal phones and mobile computers.
 - Using multi-factor authentication to login into online services such as email and file storage.
 - Enabling anti-virus and keeping software up-to-date







Questions