

# Cyprus Police

## *Office for Combating Cybercrime*



6/2/2018

Γραφείο Καταπολέμησης Ηλεκτρονικού  
Εγκλήματος

# Establishment of the Office for Combating Cyber Crime

- The Office for Combating Cyber Crime was established in September 2007.
- The Digital Forensic Laboratory (D.F.L.) is under the same administration and was established in 2009.
- There are six investigators working at the Office for Combating Cyber and ten forensic analysts working at the D.F.L. on shift basis.

# Duties

- Investigation of serious offences held via the internet and offences related to computers and data
- Cyber patrol
- Cooperation with officers from other organizations
- Organizing training sessions
- Statistics
- Participation in events and lectures and
- Observing the evolution of technology

# Types of cases

- Child pornography (content related crimes)
- Illegal access to computer systems (*i.e. attacks on information systems, denial of service and hacking*)
- Computer related forgery (i.e. Facebook fake accounts)
- Racism– Xenophobia
- Requests form other countries (MLAT).
- Fraud related scams committed via internet, are being investigated by the CID in cooperation with the O.C.C.

# DIGITAL FORENSIC LAB (D.F.L)

- D.F.L was established on 2009 and falls within the effective examination of electronic evidence. D.F.L is staffed with specialized personnel for collection of evidence and digital forensic analysis of electronic devices
- It's the only Government Forensic Lab in Cyprus



# D.F.L

- **Mission**: Collection and forensic analysis of digital devices as well as the presentation of scientific testimony as expert before the court.
- **Responsibilities**
  - Collection of e-evidence at crime scene
  - Forensic examination of e-evidence and presentation of scientific testimony before the court
  - Training (police staff and other organization's staff)

# D.F.L

- **Possibilities**

- Forensic Imaging of e-evidence
- Forensic Analysis of e-evidences (FTK, En Case, IEF)
  - Index search
  - Data Recovery
  - Export
  - Data analysis
  - Data verification

# Cyber Security Strategy of the Republic of Cyprus

In the framework of the effective implementation of the cybersecurity actions, the Ministerial Cabinet of the Republic of Cyprus, with the decision number 74.721 on the 14<sup>th</sup> of February 2013 approved **“The Cybersecurity Strategy of the Republic of Cyprus”** and gave the mandate to the Commissionaire of Telecommunications to supervise the effective implementation.



# Cyber Security Strategy of the Republic of Cyprus

- Cyber attacks is an emerging and continually growing threat
- Cyber attacks on individual countries, companies and generally on critical infrastructures can cause huge and long term damages. A recent example is the attack against the European Commission.
- The CERT Europe Team is an indication of the importance with which the European Union institutions perceive the threat to cyber security

# Cybersecurity Targets of the Republic of Cyprus

- *Secure business environment*
- *Secure critical infrastructures*
- *Support the strategy for Digital Cyprus*
- *Built trust between users and key player organizations and institutions*
- *Built Safe environment of children*
- *Effective identification and elimination of threats*

# Legislation

- Cyprus has implemented all EU directives and we consider that our legislation is strong for fighting cybercrime
- The law on the Convention against Cyber Crime (Ratifying Law) L.22(III)/2004. This legislation covers hacking, child pornography and fraud committed via electronic communication and the internet.
- Processing of personal data Law 138(i)/2001. This legislation regulates the personal data.
- The retention of telecommunication data for the investigation of serious offences Law 183(i)/2007. This legislation was enacted upon European Directive and is the legislation that forces ISPs to keep traffic data for the period of six months.
- Attacks on Information Systems Law 147(i)/2015
- Law on the protection of the privacy of the communication and access to written communication content, Law 216(i)/2015

# Office for Combating Cyber Crime

## **Activities/Cooperation**

- Participation to Europol EC3: EUCTF, A.P. Twins, Cyborg and Terminal 24/7 service.
- Participation to EMPACTS (CSE and Cyber Attacks)
- Europol Malware Analysis (EMAS).
- Cooperation O.C.E.C.P.R (Cyber security strategy)
- Active member of Europol, Interpol and Eurojust
- ECTEG (European Cybercrime Training and Education Group)
- Also O.C.C is in close cooperation with ENISA, Cefpol, CERT EU, European Commission, VCACITF and Council of Europe (T-CY)

# Crime trend

- Cryptolocker/ Ransomware
- PHISHING (i.e BANKS, COMPANIES etc)
- Man in the middle
- Scams
- Ddos Attacks (Distributive denial of service)
- Computer related Forgery



# Detection problems

- Use of TOR/ Darknet (anonymity)
- Cloud storage / services
- Encryption of data and devices
- Bulletproof hosting
- MLATs (delay of the execution)/ cross border crime

# 7<sup>th</sup> Round of cybercrime evaluation

- Within 2015 the Republic of Cyprus was evaluated by the European Commission in the framework of GENVAL.
- The evaluation was very positive in the fields of:
  - Investigation
  - Forensic examination of e-evidence
  - Awareness and
  - absorption of EU funds

# Building capacity

## EU Funded Projects for OCC and DEFL through the following funds:

1) **Internal Security Fund**, Home Affairs Multi-annual Financial Framework 2014-2020

Budget for 2014-2020: €700.000

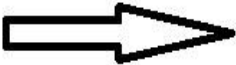
- Funding Priorities as set in approved National Programme:
- Training for law enforcement and judiciary authorities on the subject of cybercrime
- Actions aimed at increasing cooperation with Europol
- Capacity building actions to investigate and combat cybercrime

2) **OLAF/2013/D5/076, “Tech-Assist CyPol”**, Hercule II Grant Programme 2013

Budget for the project: €58.843

# Reporting

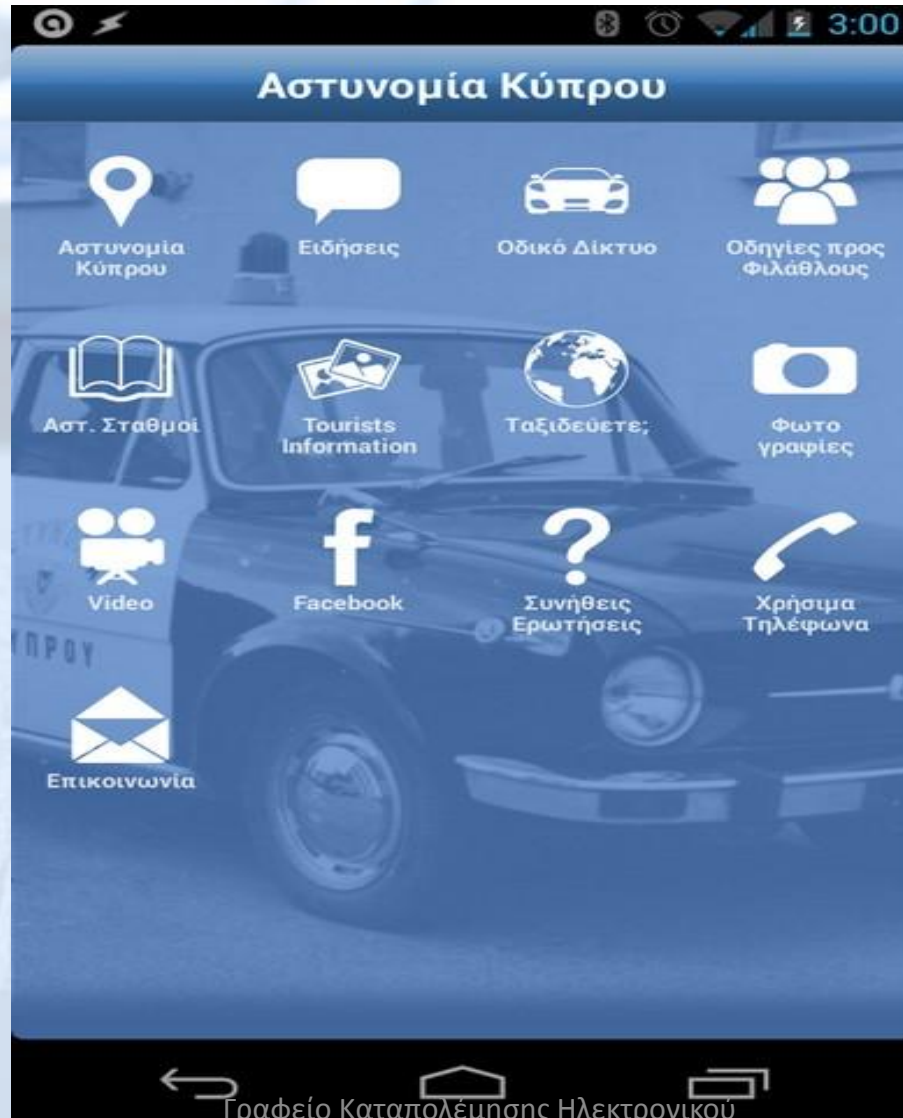
The image shows a screenshot of the Cyprus Police website (www.police.gov.cy) in Greek. The page features a navigation menu on the left, a main content area with sections for 'Δελτία Τύπου' (Press Releases), 'Ανακοινώσεις' (Announcements), and 'Δελτώσεις' (Alerts), and a right sidebar with social media links and a 'Cyber Crime' link circled in red. The 'Cyber Crime' link is highlighted with a red circle and a black arrow pointing to it from the left. The website header includes the Cyprus Police logo and the text 'Αστυνομία Κύπρου'. The browser address bar shows 'www.police.gov.cy/police/police.nsf/index\_gf?openDocument'. The page footer contains the text 'Γραφείο Καταπολέμησης Ηλεκτρονικού Εγκλήματος, Λογ 1623, Πύργος Κάρκας'.

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Αστυνομικοί Σύνδεσμοι & Οργανώσεις		
Μουσείο Αστυνομίας		

*meet*



# Mobile Application



# Thank you

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