

# CYBERCRIME AND BORDER SECURITY

## PRESENTATION FOCUS:

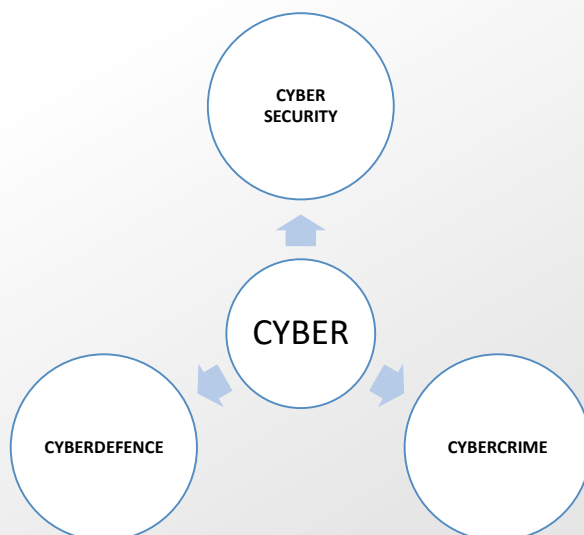
- *CYBER AND SECURITY SYSTEM (RESPONSIBILITY)*
- *NEW TRENDS OF CYBERCRIME*
- *THE IMPORTANCE OF EFFECTIVE TOOLS*
- *CYBER AND BORDER SECURITY*



## WHAT IS CYBERCRIME

- Cyber-dependent crime is any criminal activity that can only be committed using computers, computer networks or other forms of information communication technology (ICT). Such crimes are typically directed at computers, networks or other ICT resources. It includes the creation and spread of malware, hacking to steal sensitive personal or industry data, denial of service attacks to cause financial and/or reputational damage and other criminal activities.
- Cyber-dependent crime causes significant financial loss to businesses, private citizens and the public sector each year through payments for ransomware, incident recovery costs and costs for enhanced cyber-security measures. Attacks to critical infrastructure have a significant impact and can potentially entail severe consequences, including loss of life.

## CYBER and THE NATIONAL SECURITY SYSTEM



## CYBERCRIME TRENDS 2020 - 2021

- **RANSOMWARE ATTACKS**
- **CYBERCRIME AS A SERVICE**
- **THE IMPORTANCE OF EFFECTIVE TOOLS**
- **CYBER AND BORDER SECURITY DEVELOPMENT**



## RANSOMWARE ATTACKS

- **CRITICAL INFRASTRUCTURE and IMPORTANT INFORMATION SYSTEMS**
- **PUBLIC SECTOR, HEALTH CARE, TRANSPORT ...**
- **PRIVATE SECTOR**
- **HYBRED THREAT and IRREGULAR WARFARE**
- **NATIONAL and INTERNATIONAL TERRORISM**

## CYBERSPACE and CYBERCRIME AS A SERVICE

- **POLITICAL INSTRUMENT - ACTION OF FOREIGN POWER (FANCY BEAR)**
- **ORGANIZED CRIME INVOLVED IN CYBERSPACE FRAUDS**
- **DISINFORMATION CAMPAIGNS**
- **PROMOTION OF MIGRATION**



# EFFECTIVE TOOLS for BORDER MANAGEMENT and DEVELOPMENT

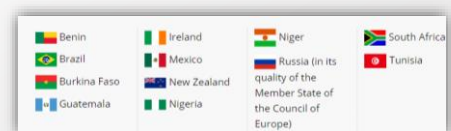
- **COMPUTER EMERGENCY RESPONSE TEAMS – GOV CERT**
- **STRONG CRISES MANAGEMENT SYSTEM**
- **INTELLIGENCE, LAW ENFORCEMENT and JUSTICE**
- **INTERNATIONAL COOPERATION**
- **STRATEGIC COMMUNICATION**

## 66+12 MEMBER STATES – BUDAPEST CONVENTION

### MEMBERS



### OBSERVERS



## G7 24/7 HTC NETWORK

- the other Contact Points Network but without any international convention
- voluntary membership
- member state has to comply with basic conditions – 24/7 service, English language, technical and legal knowledges
- primarily for exchanging of information
- request for data preservation is possible but not with the same legal force as according to the international convention (Budapest)
- some of countries are only members of the G7 24/7 but not members of "the Budapest Convention"

## 84 MEMBERS OF THE G7 24/7 HTC NETWORK

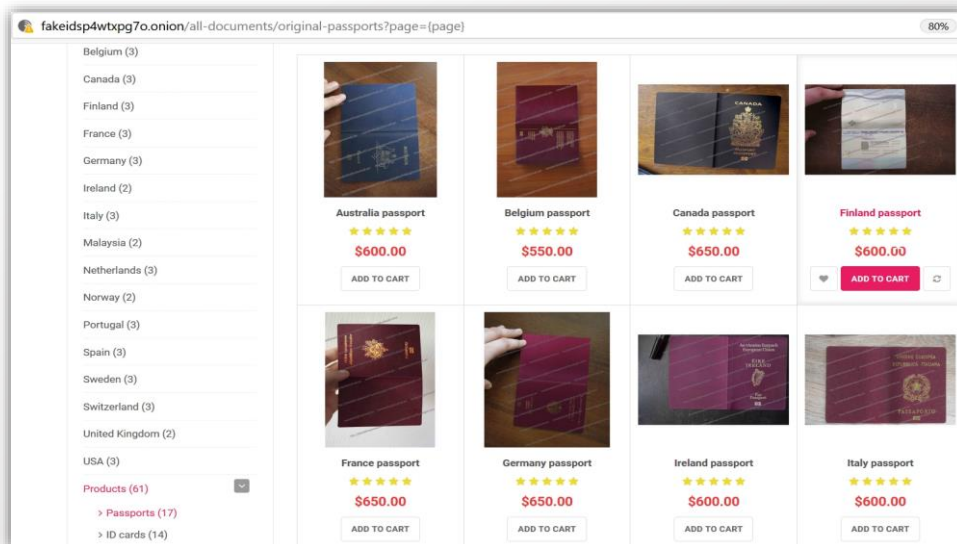
- Albania
- Argentina
- Armenia
- Australia
- Austria
- Azerbaijan
- Bangladesh
- Republic of Belarus
- Belgium
- Bosnia and Herzegovina
- Brazil
- Bulgaria
- Canada
- Chile
- Colombia
- Republic of Congo
- Costa Rica
- Croatia
- Czech Republic
- Denmark
- Dominican Republic
- Republic of El Salvador
- Estonia
- Fiji
- Finland
- France
- Germany
- Ghana
- Guatemala
- Hong Kong
- Hungary
- India
- Indonesia
- Israel
- Italy
- Ivory Coast
- Jamaica
- Japan
- Kazakhstan
- Kenya
- Republic of Korea
- Liechtenstein
- Lithuania
- Luxembourg
- Macedonia
- Malaysia
- Malta
- Mauritius
- México
- Republic of Moldova
- Morocco
- Myanmar
- Namibia
- The Netherlands
- New Zealand
- Nigeria
- Norway
- Pakistan
- Panamá
- Papua-New Guinea
- Paraguay
- Peru
- The Philippines
- Portugal
- Romania
- Russia
- Senegal
- Republic of Serbia
- Singapore
- South Africa
- Spain
- Surinam
- Sweden
- Taiwan
- Thailand
- Kingdom of Tonga
- Trinidad and Tobago
- Tunisia
- Turkey
- **Ukraine**
- United Kingdom
- United States
- Vietnam
- Zambia

## CYBERCRIME – BORDER SECURITY

- **THE USE OF CYBER AS A TOOL FOR ILLEGAL ACTIVITIES:**

- **COMMUNICATION (P2P, PGP, PRIVATE NETWORKS, SOCIAL NETWORKS,)**
- **THE USE O CRYPTOCURRENCIES TO TRANSFER HUGE AMOUNTS OF MONEY ACROSS THE COUNTRIES**
- **USING DARKWEB TO GET ILLEGAL GOODS (FAKE - PASSPORTS, CREDIT CARDS, DRUGS, GUNS ...)**

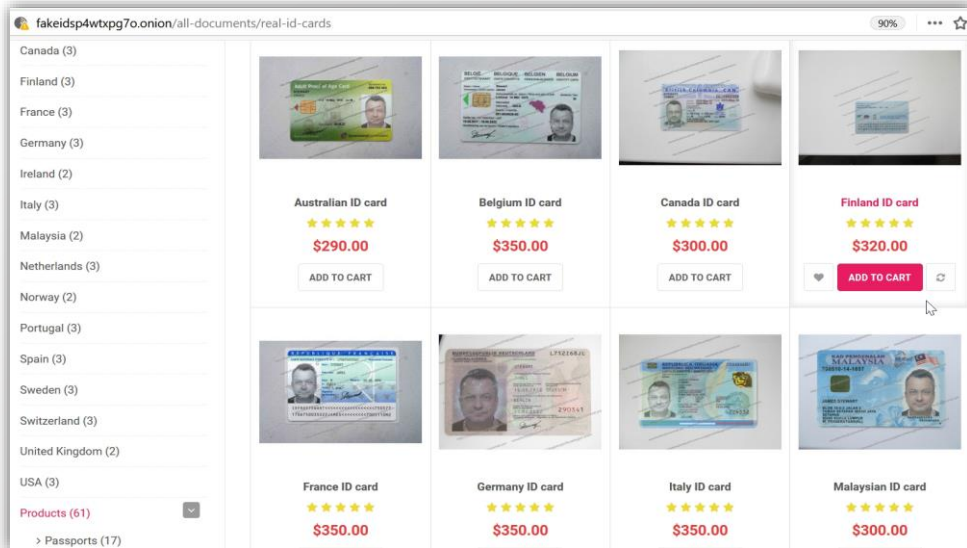
## DARKWEB - PASSPORTS



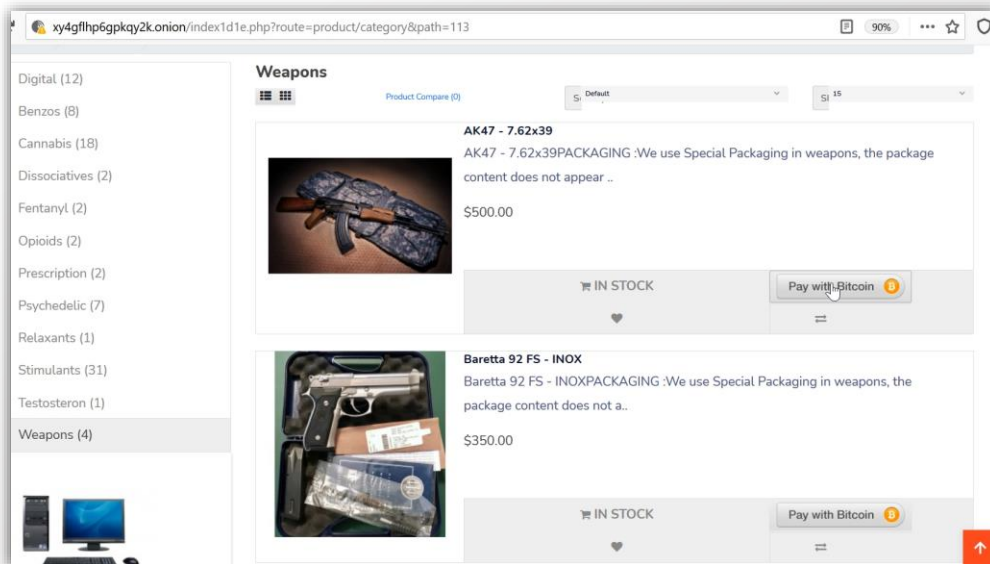
The screenshot shows a darkweb marketplace interface with the URL `fakeidsp4wtxpg7o.onion/all-documents/original-passports?page={page}`. The page displays a grid of fake passport listings. Each listing includes a small image of the passport, the country name, a five-star rating, and the price in US dollars. Below each listing is an 'ADD TO CART' button. On the left side, there is a sidebar with a list of countries and their respective counts, and a 'Products (61)' section with sub-categories for 'Passports (17)' and 'ID cards (14)'.

Country	Count	Price	Rating
Australia	3	\$600.00	5 stars
Belgium	3	\$550.00	5 stars
Canada	3	\$650.00	5 stars
Finland	3	\$600.00	5 stars
France	3	\$650.00	5 stars
Germany	3	\$650.00	5 stars
Ireland	2	\$600.00	5 stars
Italy	3	\$600.00	5 stars
Malaysia	2	-	-
Netherlands	3	-	-
Norway	2	-	-
Portugal	3	-	-
Spain	3	-	-
Sweden	3	-	-
Switzerland	3	-	-
United Kingdom	2	-	-
USA	3	-	-

# DARKWEB – ID CARDS



# DARKWEB – GUNS



## CYBERCRIME and MIGRATION

- **PEOPLE AS A COMMODITY:**

- *MIGRANT SMUGGLING MAY ENTAIL LAND, SEA OR AIR TRANSPORTATION AND OFTEN INVOLVES THE USE OF FRAUDULENT DOCUMENTS, INCLUDING IDENTITY DOCUMENTS OR FRAUDULENT VISAS.*
- *SOPHISTICATED DIGITAL TECHNOLOGIES AND THE WIDESPREAD USE OF SOCIAL MEDIA AND ENCRYPTED COMMUNICATIONS WILL CREATE OPPORTUNITIES FOR MIGRANT SMUGGLERS TO PROPAGATE THEIR SERVICES, TO COORDINATE AMONG EACH OTHER AND RECRUIT VICTIMS, ELUDING LAWENFORCEMENT DETECTION.*
- *THE USE OF CRYPTOCURRENCIES BY SMUGGLING NETWORKS HAS BEEN RECENTLY REPORTED AND MAY INCREASE IN THE FORESEEABLE FUTURE.*

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## LESSONS LEARNED

- **HOW TO COMBAT CYBERCRIME:**

- *HAVE A NATIONAL STRATEGY WITH A CONCEPTION THAT IS A PART OF THE NATIONAL SECURITY SYSTEM AND CRISIS MANAGEMENT – INCLUDING BORDER MANAGEMENT A DEVELOPMENT (MANAGEMENT - METHODOLOGY, EDUCATION, PREVENTION)*
- *STRONG COOPERATION BETWEEN THE HOMELAND SECURITY AND PRIVATE SECTOR – BUILD TRUST*
- *STRATEGIC COMMUNICATION AND INFORMATION SHARING BETWEEN THE AUTHORITIES IN CHARGE OF CYBERSECURITY, CYBERCRIME AND CYBERDEFENCE*
- *NATIONAL AND INTERNATIONAL COMMUNICATION*

## Conclusion



THANK YOU FOR YOUR ATTENTION

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## QUESTIONS ?

