


NEW INNOVATIONS – NEED FOR NEW LAW ENFORCEMENT CAPABILITIES

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New technologies - new social interactions and economic development - need for new law enforcement capabilities.

Possible issues: digital frauds, different cyber crimes, traffic safety, traffic accidents, who can use autonomous or semiautonomous vehicles, flying drones that can jeopardizing the security of public buildings and security individuals.

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Autonomous
or semi-
autonomous
vehicles

Data mass
storage
capabilities

Flying drones


**New innovations
– need for new Law
Enforcement capabilities**

Privacy data
protection


Digital
economic
activities

New ways of
production
(3D printing)

Digital IT frauds and how the law enforcement units to be prepared for the “new crimes”

1. Ensure clear policy/legal framework for new technology crimes, the legal framework in place should be neutral in order to take in consideration the fast changing technology.
 2. Eliminate operational obstacles that restricts investigation and prosecution.
 3. Enhance prevention.
 4. Increase cross border cooperation
 5. Increase the public-private cooperation
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New innovations and technologies imposed changes in:

- ▶ Governmental policies related to law enforcement
 - ▶ Law enforcement management and leadership
 - ▶ Adopted and implemented strategic and operational concepts
 - ▶ Law enforcement education and training
 - ▶ Law enforcement analytical and evaluation capacities
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Ideally law enforcement should strive for solutions before problems occur making assumptions and propose solutions that will prevent the problems.


LEA should be educated for strategic planning, which should be driven of two important factors:

- ▶ 1. Development of information technology
- ▶ 2. Protection of human rights.

Technology and Human Rights

Mostly when we think about technology we mainly focus on how technologies operates and not how and what is the impact of the technology on other police outputs such as police behavior, effectiveness or relationships with citizens

Therefore in order to increase the benefits of technology the new innovations in police need to be used with respect to the principles of accountability, transparency and private data protection as highly as possible.

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"Technology itself cannot guarantee security, but security without the support of technology is impossible"

(Research for a Secure Europe Report of the Group of Personalities in the field of Security Research, European Communities 2004).

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Macedonian law enforcement capabilities regarding new innovations and technologies

▶ **"Police Development Strategy 2016 – 2020"**

- ▶ Police development is based on four main pillars:
 - resource management,
 - police work with the community,
 - successful dealing with crime, and
 - learning and development.

Macedonian law enforcement capabilities regarding new innovations and technologies

- ▶ Department of Cybercrime and Digital Forensics has tasks for conducting investigations for detection serious and complex cases of cybercrime, such as malware analysis, internet fraud, social engineering, network attack, critical infrastructure attacks, child abuse via the Internet, "Darknet", etc.
- ▶ Centralized police unit which have regional sub-units but they are not operational because of the lack of human and financial resources.

Macedonian law enforcement capabilities regarding new innovations and technologies

► **"Police Development Strategy 2016 – 2020"**

- Most of the police workflows are not covered by information support, which substantially causes losses in material and human resources.
 - Part of the IT applications that are currently used by the police, are developed with own resources, but they are not based on the same entity structure, which is a problem for integrating the overall police database.
- The documentation and the exchange of documents within the police is carried out in paper form which has a significant negative impact on the efficiency of the police work.
 - There is no electronic centralized archive for storing all documents, thus preventing the possibility of monitoring, which is necessary in each segment of the police
- There is no control mechanism for registering all police trainings, both national or international ones.
 - Regarding international cooperation, there is no common centralized record of the projects which will enable managing, monitoring, implementing, monitoring and supervising of these projects.

Serbian law enforcement capabilities regarding new innovations and technologies

► "Development strategy of the Ministry of interior 2011 – 2016"

- "Strategic document – introducing e-learning as a support for development of the training system in the Ministry of interior"

► Areas of work that are of strategic importance to future development:

1. Organization and management,
2. Safety of the individual, the community and the state,
3. Partnerships at national, regional and international level,
4. Internal and external oversight systems and operational transparency

- "A strategic approach to the development of the Ministry has been recognized as one of the key priorities in the scope of the overall public administration reform"

Serbian law enforcement capabilities regarding new innovations and technologies

- ▶ Not existing long-term strategy on how to address cybercrime.
- ▶ There is no secure platform for electronic data exchange or communication between law enforcement agencies (the prosecution service, the police, tax and other authorities)
- ▶ "...a new law on personal data protection in line with EU standards needs to be adopted urgently. Processing and protection of sensitive personal data, biometrics and video surveillance, security of data on the internet and direct marketing remain inadequately regulated, leaving significant scope for abuse."

Serbian law enforcement capabilities regarding new innovations and technologies

- ▶ "...substantial investments in Information and Communication Technologies (ICTs), material and human resources"
 - ▶ for having a functional organization based on the contemporary principles of a service-oriented institution, where the tasks are standardized and automated to the highest degree;
 - ▶ will enable the constant monitoring, improvement and appraisal of the organization, work methods and performance;
 - ▶ long-term planning regarding supplying of all levels of the organization with the proper knowledge, experience and equipment, while at the same time allowing their constant upgrading.
- ▶ Improving of the computer and communication infrastructure by replacing analog communications with new installations.
 - enabled faster data flow to police districts and Ministry facilities both for the Intranet and Internet communication infrastructure.
 - further improvements and introducing new technological concepts and information systems for providing support to the Ministry's work activities.
- ▶ Improving of the training and professional development system especially in the domain of providing specialized training, management training and continuous professional development.
- ▶ Need for developing new strategic and action plans as well as research and development projects.

Montenegrin law enforcement capabilities regarding new innovations and technologies

- ▶ **"Development strategy for police for the period 2016-2020"**
 - ▶ Cyber Security Strategy in Montenegro, for the period 2013 – 2017
- ▶ "...bearing in mind the speed of changes in the field of information and telecommunications technologies, there is a inevitable need for constant improvement of technologies and procedures, used by police officers."
- ▶ Adoption of new technologies, new knowledge and skills should enable police conducts, police methods of work and results to be constantly monitored, improved and evaluated in order to achieve maximum efficiency and transparency of the police work process, and the needs of the citizens and the society as a whole to be fully meet..
- ▶ Priority need - introduction of the electronic management of cases (Case Management), processing and intelligence analysis of the data (Entity management), introduction of system for electronic statistics and reporting in the police as well as development of a unique geographic information system for the needs of all segments of the police.

Montenegrin law enforcement capabilities regarding new innovations and technologies

- ▶ Rapid increase in the abuse of various forms of information technologies in order to commit all types of criminal offenses
- ▶ An increasing number of Internet users, new electronic services and services, in particular electronic payments via the Internet in Montenegro, represent a special risk factor.
- ▶ High-tech crime (as one of the threats)
- ▶ The IT system of the financial intelligence unit is being upgraded
- ▶ There is no secure link yet between prosecution and enforcement agencies
- ▶ Need for increasing the administrative capacity of staff, including their IT capabilities

Montenegrin law enforcement capabilities regarding new innovations and technologies

- ▶ Strengthen educational and training programs at the Police Academy and establish a stronger / more proactive role of the Ministry of Interior - Police Directorate in creating study/ training curricula that meet the needs of modern police.
- ▶ Study Curricula need to be revised and aligned with modern standards of police education and technological innovations.
- ▶ Within the Ministry of Interior there is no special organizational unit that would deal exclusively with the planning and organization of training for the needs of police officers and there are no strategic multi-annual training planning (example a five-year training plan).

Law enforcement capabilities regarding new innovations and technologies

► Goals:

- Education and training programs of police officers to be more focused on the positive and negative sides of the new technologies in the police work and functioning
- Establishing productive cooperation and partnerships of the law enforcement agencies with private sector, academia and Civil society sector in order to establish more efficient process of following of the technological processes and minimizing the technological gap in the police workflow;
- Increasing the awareness of stakeholders and police leadership for establishing sufficient funds for research and development in the law enforcement area and analysis of the current threats coming from abuses of the new technologies by criminals;
- Increase the awareness and knowledge among all police officers for the new technologies and potential treats of their abuse;
- Encouraging all police officers to develop and initiate new technologies and skills which will make police work more efficient and effective
- Establishing formal and informal channels for initiatives, projects and recommendations by the police officers or state, non state or international partners devoted for innovating the policing and maintaining the public security.

► THANK YOU FOR YOUR ATTENTION!

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