



Critical Infrastructure Protection in Hungary

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The complexity of security

- Security in a wider sense is composed of social (legal), political (diplomacy), economic, environmental (transportation, logistics, ecological), military, **cyber**, financial, sanitary (epidemics), **homeland** (police, **disaster management**) security.

Stages of transition of the security environment



March 1999: Hungary's accession to NATO



May 2004: Hungary's accession to the EU

U.S. Homeland Security



- **Act on Disaster Management, No CXXVIII. 2011** and on the amendment of relating certain acts.
- **Government Decree 234/2011 (XI. 10.)** on the execution of the Act on Disaster Management.

Integrated system of Disaster Management

Industrial Safety



Civil Protection



Fire Protection



- **Department for Dangerous Establishments**
 - SEVESO
 - Nuclear Emergency Management
 - Gas pipelines

- **Department for Dangerous Goods Transport**
 - by road
 - by railway
 - by inland water
 - by air


- **Department for Critical infrastructure Protection**
 - 10 sectors (43 sub-sectors)
 - Temporray waste transport
 - CIP Network Security Center
 - CERT

- **Inregrated authoritative competence**
- **Water management, water protection**

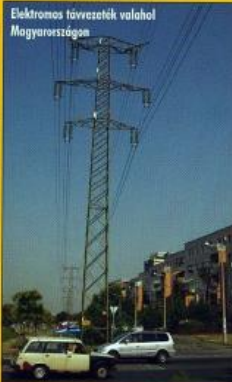
Protection of vital Infrastructure Elements

Páros György felvételei


A Margit-híd




Elektromos fűvezeték valahol Magyarországon




A budapesti Metró



Az M1-M7 autópályák budapesti, közös bevezető szakasza




A Szabadság-hegyi TV-adó



**Létfontosságúak,
védendők**

– Kritikus infrastruktúránk
néhány eleme –

A Nagybélpályaudvar



Critical Infrastructure Protection – Directive

OBJECTIVES

PREVENTION

PREPAREDNESS

RESILIENCE

- EU Program → without any experience or tradition
- Consultation process → the way from terrorist attacks to the Directive
- All-hazard approach, paying particular attention to terrorism
- National and European infrastructures – subsidiary
- Roles and responsibilities of owners/operators/users
- Action plan

CRITICAL INFRASTRUCTURES

Definition:

An asset, system or part of thereof which is essential for the maintenance of vital societal functions, health, safety, security, economic or social well-being of people, and the disruption or destruction of which would have a significant impact in a Member State as a result of the failure to maintain those functions.



- Interdependence
- Cyber security
- Operation
- Cascade effect
- The weakest link & part-whole concept

CIP Regulation



12.11.2012.- CIP. Law



***08.03.2013.- CIP.
Government Decree***

Amendments in the legislation



The Fundamental Law of Hungary

**Strategy of National Security/
Strategy of National Military
Security**

Disaster Management Act

**Government Decree on Disaster
Management Act**

**Ordinance (s) of the Minister of
Interior**

Order (s) of the Head of NDGDM

Act on Critical Infrastructure

**Government Decree on Critical
Infrastructure**

Legislations of different sectors

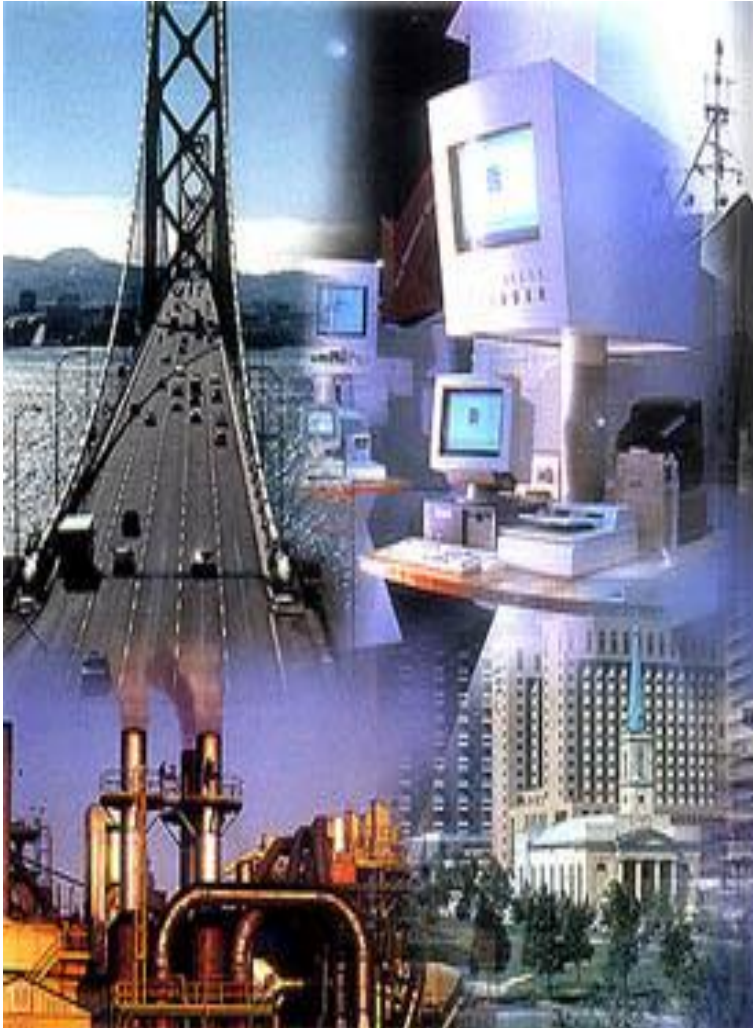
CIP Sectors

Energy
Transport

Agriculture
Medical
Financial
Industrial

IT
Water supply
Law and governmental
Public safety

NDGDM CIP Tasks



Monitoring
Control
Coordination
Registration
Network Safety
Incident management
CIP CERT
CIP POC

Industrial Safety special vehicles and equipments



Critical Infrastructure Action Unit



Unmanned Aerial Vehicle



CIP Network Safety Center



CIP Network Safety Center Tasks

- **technical protection,**
- **prevention,**
- **inform and**
- **educational activities**



Participation in the preparation of regulations, concerning to IT security, and other sectoral CIP topics. .



- manage alerts (national and international level),
- computer emergency response unit operates continuous (24/7) availability,
- coordination of the preventive interventions.

CIP Network Safety Center Tasks



- Inform the stakeholders about recognized and published vulnerabilities.

CERT cooperation in Hungary



Cooperative authorities and organizations

- Constitution Protection Office
- National Protective Service
- National Security Authority
- National Police Department
- Special Service for National Security of Hungary
- Counter Terrorism Centre
- National Taxation Authority
- Military National Security Service
- National Media and Info Communications Authority
- Hungarian Energy and Public Utility Regulatory Authority
- Hungarian Atomic Energy Authority
- National Emergency Service
- National Transport Authority
- Transportation Safety Bureau
- Government Offices at Budapest and in the Regions
- National Public Health and Medical Officer Service

Based on the Ordinance of the Minister of Interior no 62/2011.

The Police, the Hungarian Prison Service, the Constitution Protection Office, the National Security, the Counter Terrorism Centre are co-operating according to the coordination of NDGDM:

- a) in the shaping of the horizontal criteria system,
- b) in the process of identification,
- c) giving data to the above mentioned.

Thank you very much for your kind attention!



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