

# National aspects of the Critical Infrastructure Protection



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# Infrastructures in the everyday life

- Satisfying human needs
- Improving technologies
- Structuring services

First forms of infrastructures

(irrigation systems, road networks)



**INFRASTRUCTURE**

= social environment

NETWORK-LIKE  
SYSTEMS

MODERN SOCIETY

DEPENDENCE

VITAL NEEDS

**PROTECTION**

# Critical Infrastructure Protection

## 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



# History and state of play



**KOLONTÁR 2010.**

# International outlook

- United States of America – (cold war/nuclear attacks)
- United Kingdom (10 sectors, 39 subsectors)
- Germany – 1990 (Federal Office for Information Technology Security)
- NATO – 2002 (CEP Council)

## **EU – aftermath of terrorist attacks**

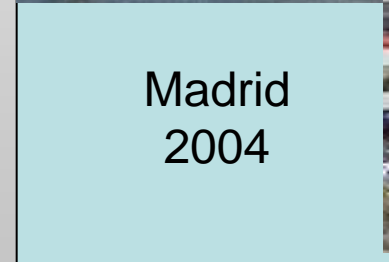
9/11 → Action Plan against Terrorism

Madrid 2004 → CIP Strategy

London 2005 → acceleration of actions



NEW YORK  
2001



Madrid  
2004



London  
2005

# European Union 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

# Stages of transition of the security environment

March 1999: Hungary's accession to NATO



May 2004: Hungary's accession to the EU



# Changes of challenges and risks affecting Hungary:

„change of approach!”

I.

Illegal migration

Conflict in the Balkans

II.

Disasters

Hazard of terrorism

Organised crime

Threats to critical infrastructures

Breach of public order

Energetic crises

Epidemics

1989.

2013.

military crisis



civil emergencies



# Liability of Member States Hungary

- The 1990's – reinterpretation of security
- 1995 – reform of civil protection (new classification)
- 2000 – NDGDM – collection of data
- June 2007– The „Green Paper” on the Hungarian Program
- **Government Decision Nr. 2080/2008. (VI. 30.)**
  - Adoption of the „Green Paper”
  - Enactment of sectoral consultations
  - Elaboration of regulatory concept
  - Military preparation
  - Possibility of joining to CIWIN



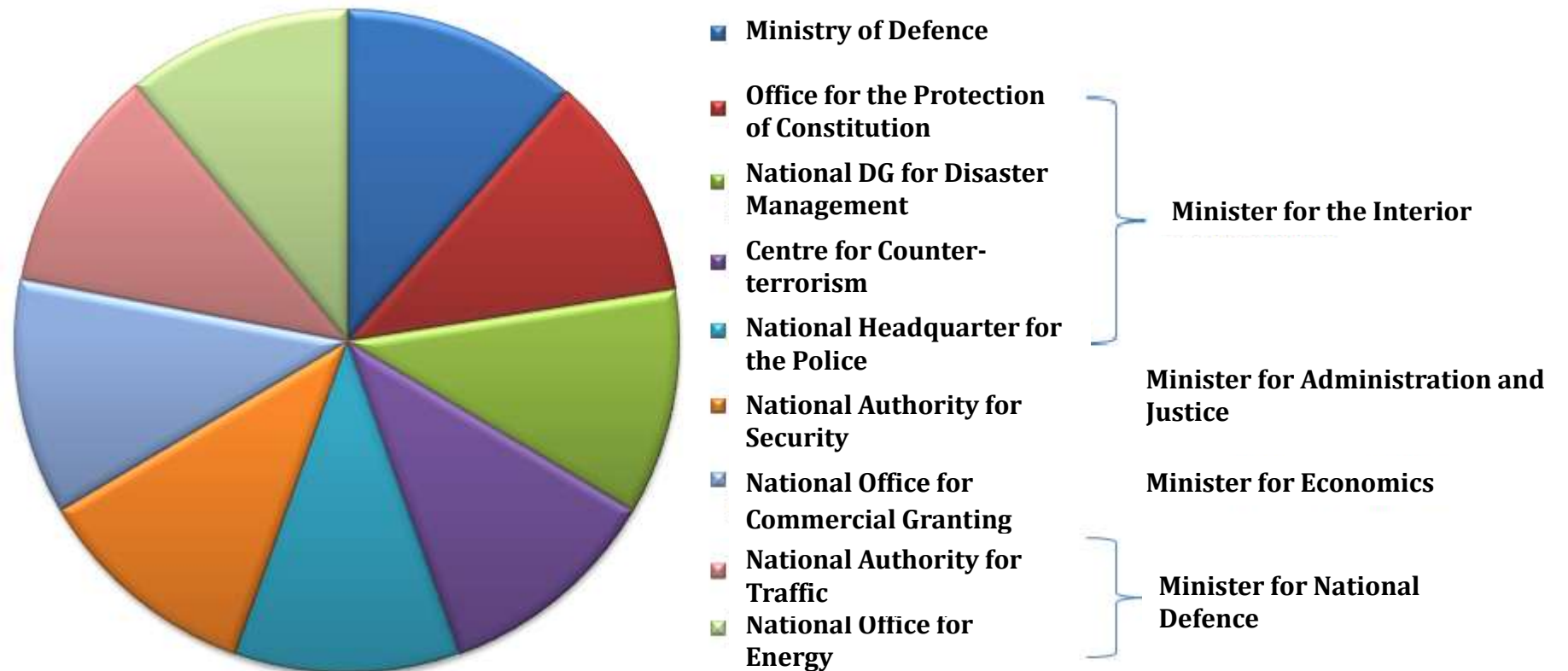
# Liability of Member States Hungary

- 2008–2009 – sectoral consultations, questionnaires
- 10-12 May 2010 Balatonföldvár – international seminar
- 26-28 October 2010 Slovakia – regional discussion
- 4-5 November 2010 Bucharest – regional discussion
- **Government Decision 1249/2010. (XI. 19) on the governmental tasks**
  - > Responsibilities of the Minister of the Interior (coordination, EPCIP POC, international discussions)
  - > Setting up a CIP Working Group
  - > Designation of ECIs
  - > European Commission – report
  - > Consultation Forum



# Liability of Member States Hungary

## Composition of the CIP Inter-ministerial Working Group



# Liability of Member States Hungary

## ACTIVITY OF THE WORKING GROUP

- 30 November 2010 – **inaugural meeting**: tasks with deadlines
  - > elaboration of criteria for designation of ECI
  - > proposals for potential ECIs
- 8 December 2010 – adoption of **statutes** and **working program**
- (15,22,29) December 2010 – January 2011 – discussion, clarification, adoption of **cross-cutting and sectoral criteria** of ECIs
- 10 January 2011 – draft report for the European Commission
- 20 January 2011 – adoption of the draft on the cross-cutting criteria of **National Critical Infrastructures (NCI)**, report to **the European Commission** after Governmental approval
- 11 February 2011 – discussion of **NCI sectoral criteria** (completed by the National Ministry for Development (NMfD) in March 2011)
- since April – **2011 NMfD – CIP Consultation Forum**

# Liability of Member States Hungary



**2012: New Act on Disaster Management and its executive decrees –  
Responsibility of the Ministry of the Interior (MoI NDGDM)**

**Visible and tangible change of attitude**

**Dynamic development – CIP became a priority area**

**Significant scientific actions and tender possibilities in the field of CIP**



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## **Amendments in the legislation**



**The Fundamental Law of Hungary  
Strategy of National Security/ Strategy of  
National Military Security**

**Disaster Management Act/Gov.decrees  
Ordinance (s) of the Minister of Interior  
Order (s) of the Head of NDGDM**

**Act No. CLXVI. of 2012 on  
Critical Infrastructure  
Protection**

**Government Decree No.  
65/2013. (III.08.) on  
Critical Infrastructure**

**Legislation of different sectors (Energy:  
Gov.degree No. 360/2013. (X.11.)**



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# ***CIP Regulation***



## ***CIP ACT***

Igen:	258	82.0%
Nem:	44	13.4%
Tartózkodott:	16	4.6%
Szavazott:	327	100.0%
Nem szavazott:	59	

**CIP Government Decree**



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## **Main element of the CIP Act**

- Explanatory Provisions
- Identification and designation process of the national and European critical infrastructures
- Common rules for the national and European critical infrastructures
  - Registration
  - Operational Security Plan, security officer
  - Controls
- Special rules for the energy sector
- Closing provisions, authorization



# Main element of the CIP Act

## ANNEX

**01. 03. 2013. + 180 days**

**Energy**

**Transport**

**01. 07. 2013. + 180 days**

**Agriculture**

**Medical**

**Financial**

**Industrial**

**01. 01. 2014. + 180 days**

**IT**

**Water supply**

**Law and  
governmental**

**Public safety**



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## **Main elements of the CIP Government Decree**

- Detailed general rules
- Complementary explanatory definitions
- Complementary identification and designation process of the national and European critical infrastructures
- Content requirements of the Operational Security Plan
- Education and qualification of the security officer
- Registration, data protection, controls on site, coordinated control, supervision, management of extraordinary events
- Special rules for the energy sector



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## **Main elements of the Sectoral Decrees**

- Determination of the sectoral authorities involved in identification and designation
- Determination of sectoral conditions
- Detailed content requirement of the sectoral Operational Security Plan
- Sectorally accepted education and qualification of the security officer



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## CIP regulation set up





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Monitoring  
Keeping critical infrastructures under  
authoritative control  
Coordination  
Registration  
Network Safety  
Incident management  
CIP CERT  
CIP POC



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**CIP Network Safety Center**

# Cooperative authorities and organizations

- Constitution Protection Office
- National Protective Service
- National Security Authority
- National Police Department
- Police Department of Budapest
- Counter Terrorism Centre
- National Taxation Authority
- National Media and Info Communications Authority
- Hungarian Energy Office
- Hungarian Atomic Energy Authority
- National Emergency Service
- National Transport Authority
- Transportation Safety Bureau
- Government Offices at Budapest and in the Regions

**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.





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## **CHALLENGES**

- Sectoral legislation
- Collaboration, cooperation
  - CIP trainings
  - International practice
- Bilateral or multilateral discussions

*Thank you very much for your kind  
attention!*



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