



Hungarian Atomic Energy Authority

# Nuclear Security Inspection; the Hungarian way

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Inspector

Physical Protection and Safeguards Section

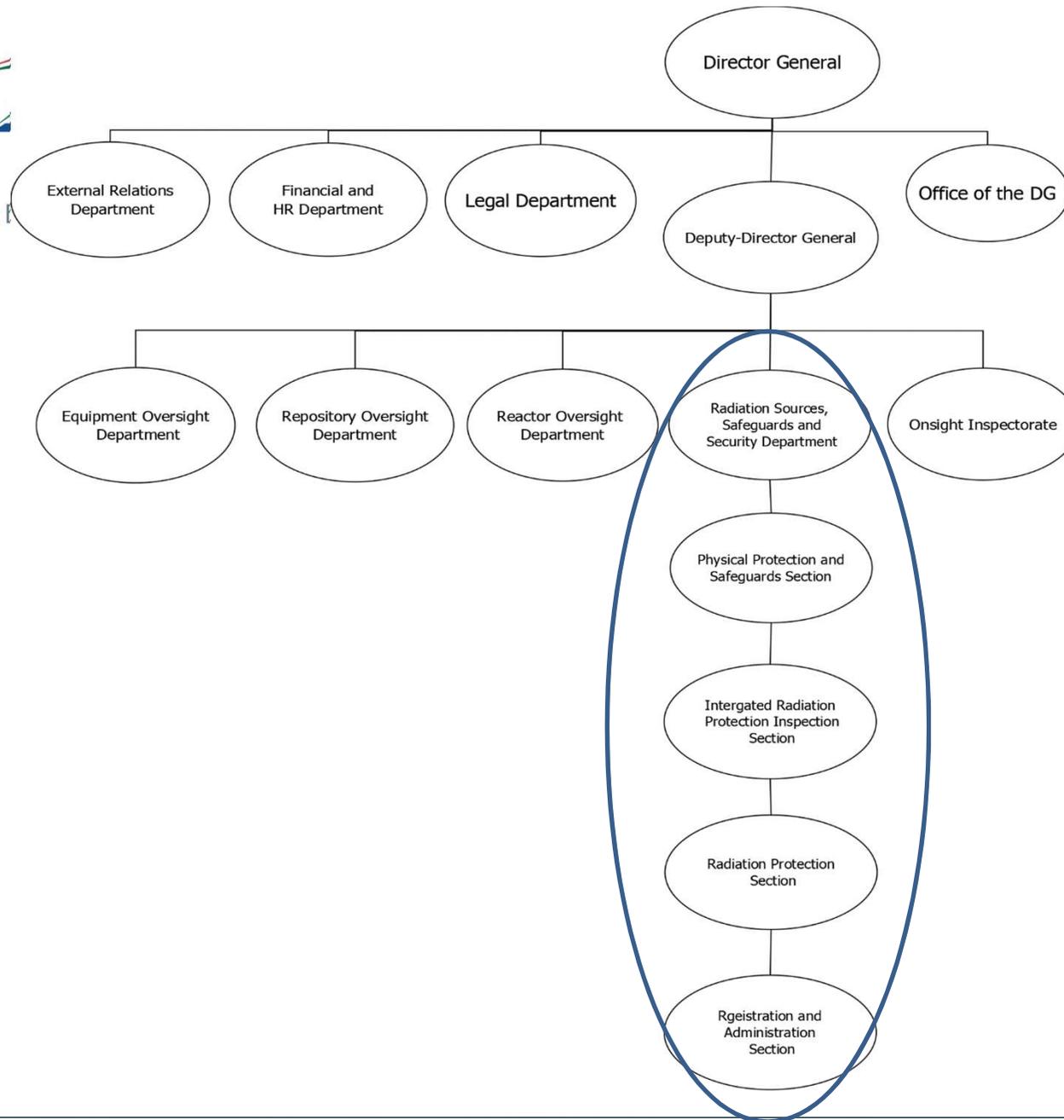
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## The HAEA

- Government office
- Independent organisation with national scope of authority
- HQ: Budapest
  - Detachment in Paks NPP
  - Regional inspectors
- Fields of regulatory responsibilities:
  - Nuclear safety
  - Nuclear security
  - Safeguards
  - Radiation protection
  - Nuclear emergency management
  - Architecture
  - And many more...



# Radiation Sources, Safeguards and Security Department

Includes four sections

- Registration and Administration Section: the oversight and handle of the national nuclear and radioactive inventories
- **Integrated Radiation Protection Inspection Section (IRPIS): to coordinate the work of the regional inspectors**
- Radiation Protection Section: regulatory tasks of the radiation protection
- **Physical Protection and Safeguards Section (PPSS): regulatory tasks of security and safeguards**



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## Joint work of the Sections - 1

### IRPIS:

- 8 regional inspectors  
+ 2 coordinators
- Onsite inspection of small users
- Complex inspections: radiation protection, inventory, security

### PPSS:

- 5 security + 4 safeguards inspectors
- Continuous domestic and international training
- Cross-trained in both SG and Sec
- Security licensing and other related activities
- Dedicated security inspections of the facilities and high risk sites, transports



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# National legal background

- **Act CXVI of 1996 on Atomic Energy** (**National Police HQ as co-authority**)
- **Act CL of 2016 on General Administrative Order**
- **Government Decree 190/2011. (IX. 19.) Korm.** on physical protection requirements for various applications of atomic energy and the corresponding system of licensing, reporting and inspection (PPD.)
- **Minister of the Interior Decree 47/2012 (X.4.) BM** on the tasks of the police related to the use of atomic energy
- Regulatory decisions (**Physical Protection License**)
- Regulatory guidelines (HAEA Physical protection guidelines, 20 at the moment)



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## Licensees

### Facility level:

- DBT
- Performance based planning and inspections
- Dedicated inspections
- Severe attention from media and the population
- 6
- *Kind of exception: BUTE TR + Paks 2*

### „Small users“:

- Prescriptive regulation and planning
- Complex inspections
- Unknown for the population
- Around 400



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# Inspections

- HAEA and NPHQ can inspect: the fulfilment of the PPD and PPP and the operation of the PPS
- Types: complex / dedicated; announced / unannounced
- Complex: radiation protection, inventory, security; using check-list like report
- Dedicated: usually one day long; 3 pillars:
  - Documentation check
  - Technical system tests
  - Response force drills
- Announced: the date is appointed with the licensee
- Unannounced: in non-ordinary time (nights, weekends, holidays); shorter time and inspection programme; checking the alertness of the response forces



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## Transport inspections

- On starting or final destination
- Lack of notification - mostly level B transports
- Programme:
  - Documentation check
  - Warning signs
  - Delay elements
  - Test of detection devices
  - Armed escort
- Check-list form
- Special cases: fresh fuel transports



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## Future plans

- Increase and sustain the number of inspectors in both Sections.
- Increase the number of dedicated security inspection in Cat. 1. rad. source sites and transports
- Organise special security trainings for IRPIS staff
- Oversight of the construction of the new NPP units



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Thank you for your attention!