



Hungarian Atomic Energy Authority

The role of the Hungarian Atomic Energy Authority in the field of radioactive source security

Armand Máté VIPLAK

Inspector

Section of nuclear security and safeguards



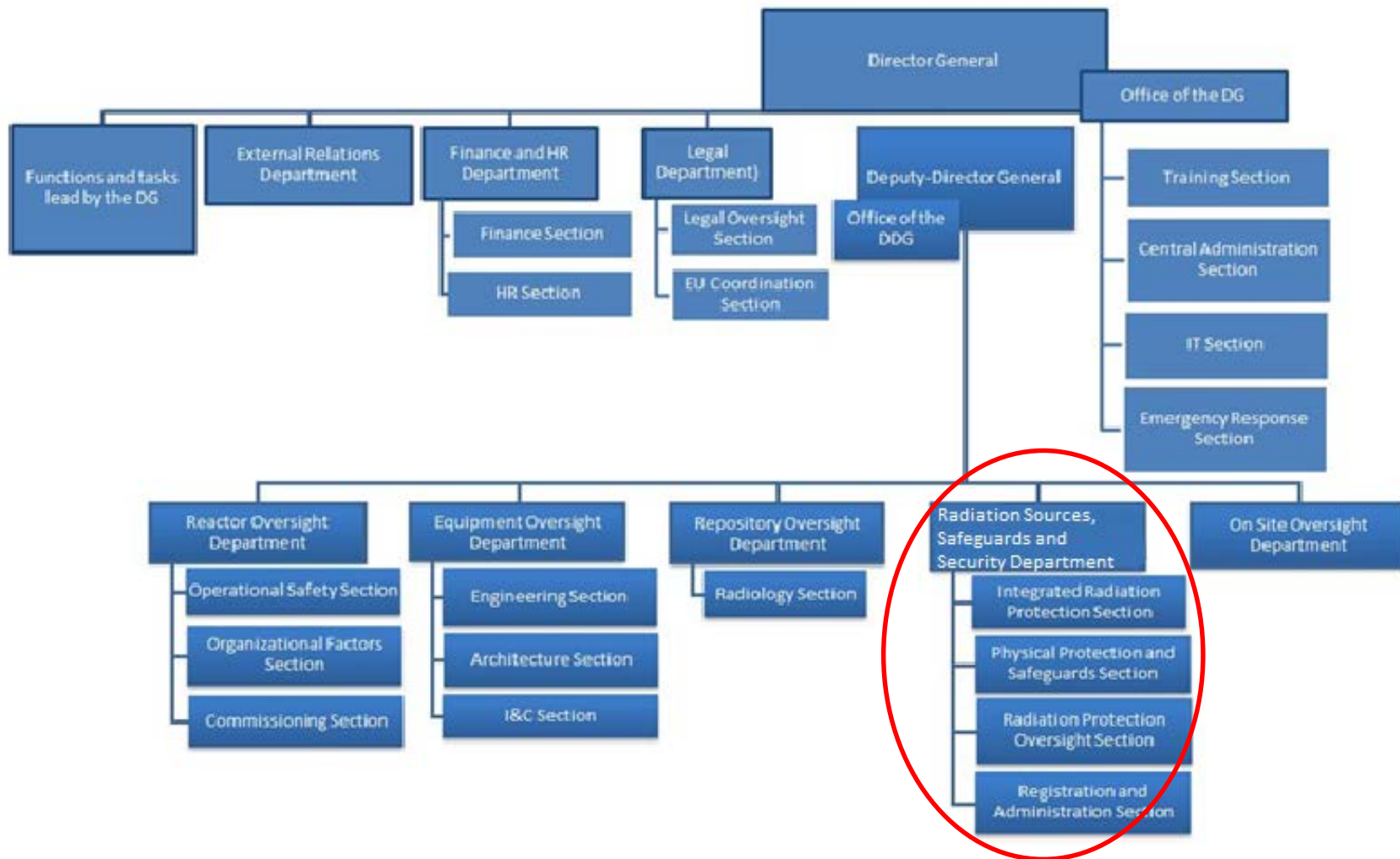
Hungarian Atomic Energy Authority

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...



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Radiation Sources, Safeguards and Security Department

Includes four sections

- Registration and administration: the oversight and handle of the national nuclear and radioactive inventories
- **Integrated inspection (II): to coordinate the work of the regional inspectors**
- Radiation protection oversight: regulatory tasks of the radiation protection
- **Nuclear security and safeguards (NSS): regulatory tasks of security and safeguards**



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National legal background

- **Act CXVI of 1996 on Atomic Energy** (**National Police HQ as co-authority**)
- **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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Licensing activity

- A license is necessary for the
 - Accomplish
 - Modification
 - License renewal of the Physical Protection System (PPS)
 - Transport PPS.
- Attachment of the application: Physical Protection Plan (PPP)
- Co-authority: NPHQ
- The PPD regulates the form and technical parameters of the PPP
- Licenses valid for 5 years, except for Cat. 1 and Cat.4&5 transports



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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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Licensees

Facility level:

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

„Small users“:

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



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Joint work of the Sections - 1

Section of II:

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

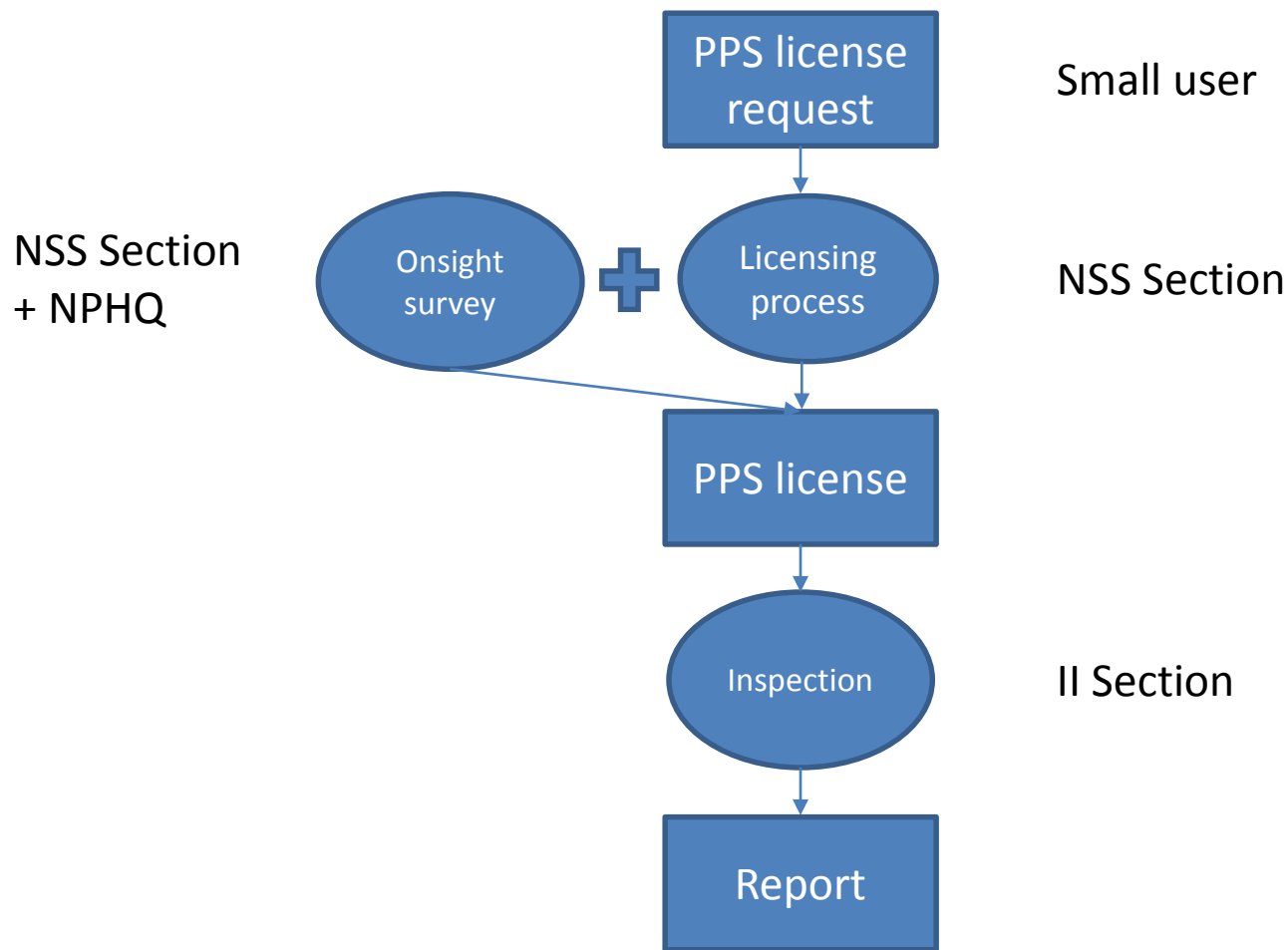
Section of NSS:

- 4 security inspectors
- Continuous domestic and international training
- Security licensing and other related activities
- Dedicated security inspections of the facilities and high risk sites, transports



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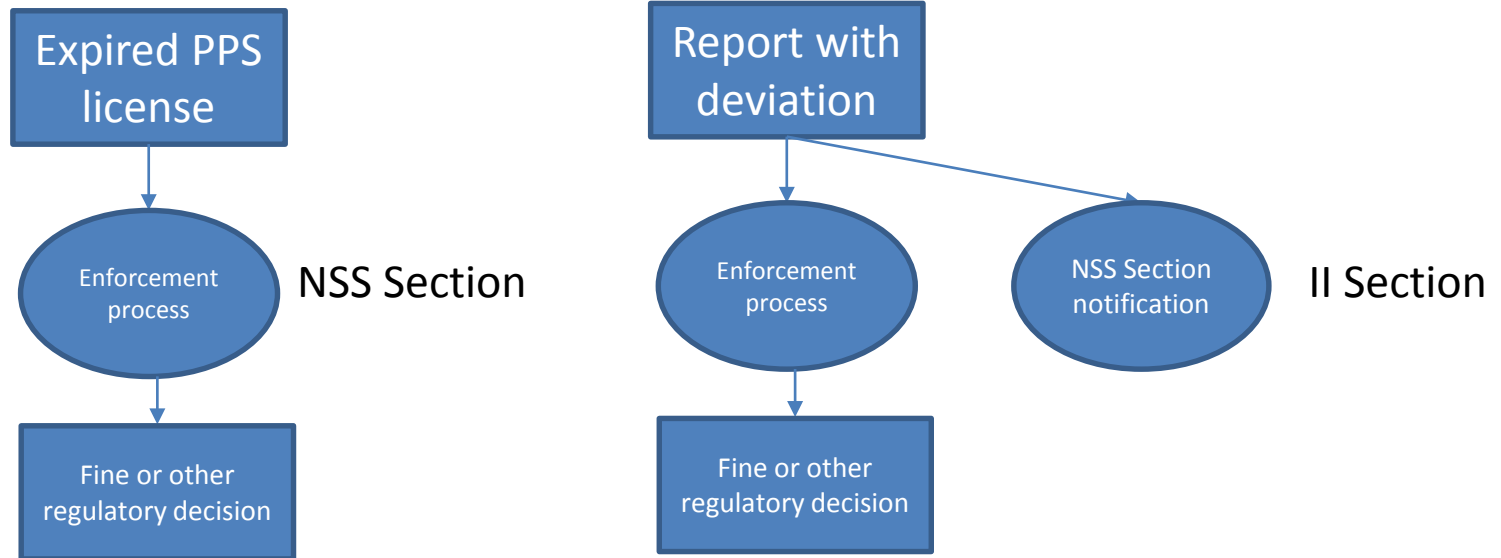
Joint work of the Sections - 2





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Joint work of the Sections - 3





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Future plans

- Increase the number of inspectors in both Sections.
- Increase the number of dedicated security inspection in Cat. 1. rad. source sites
- Organise special security trainings for II staff.
- Carry on the work on national level security action plans.



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Thank you for your attention!