Република Србија Агенција за заштиту од јонизујућих зрачења и нуклеарну сигурност Србије



Republic of Serbia Serbian Radiation Protection and Nuclear Safety Agency

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Nuclear security of regulatory authority

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Nuclear security:

The prevention of, detection of, and response to, criminal or intentional unauthorized acts involving or directed at nuclear material, other radioactive material, associated facilities, or associated activities.

Nuclear Security Series Glossary

Role of Regulatory Authority

- Regulating nuclear, radiation and radioactive waste activities
- Licensing of activities and facilities

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- Inspection control of license conditions
- Issuing transport licenses and approvals
- Keeping records of nuclear material accountancy and safeguards related activities
- Keeping other sensitive information like facility safety and security system, information about operator's employees, etc.
- Cooperation with other state stakeholders relevant to nuclear security

Potential threats and risks

Loss of information that could help potential adversary to perform malicious act:

- Locations of nuclear and other radioactive material
- Quantity and type of material
- Security system plans

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- Information about responsible personnel
- Information about transport of material (routes, transporters, security system, police escort)
- Response force action plan

Potential threats and risks

Opportunity for adversary to acquire essential information that could give him an access to facility and material

Theft

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- Sabotage
- Insider threat

Sharing confidential information to the public

- Social and economical impact
- Loss of confidence in state's institutions and national security regime

Security system in regulatory authority

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Sensitive information and documents, in physical or digital form, should be protected from any unauthorized access or insight in their content, theft or destruction.



Physical protection system Protection of premises Prevention, detection and delay of any unauthorized access Control of authorized activities Written procedures for employees and visitors Graded approach in designing PPS

Protection and classification of documents

Classification of documents based on confidentiality

LAW ON CLASSIFIED INFORMATION ("Off. Gazette of RS", no. 104/09)

- Defines type of classified information
- Prescribes four levels of classified information (restricted, confidential, secret, top secret)
- Prescribes measures for protection and use for every level
- Certificates for access to all levels of classified information
- Certification process

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Cyber security

Compliance with the basic principles of cyber security

Communication with IAEA regarding NMAC and Safeguards Communication with operators and sharing sensitive information and documents

- Establishing secured line of communication
- Encryption of sensitive documentation
- Controlled access and insight in documents

material is stored

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Nuclear security culture

- Active promotion of security culture within organization
- Raising awareness about nuclear security and potential threats
- Developed internal procedures
- Special attention to personnel not directly involved with nuclear activities and without scientific background (lawyers, administration, public relations, auxiliary staff)

Trustworthiness program for employees

All personnel of regulatory authority should be subject to trustworthiness assessment and background check.

 Trustworthiness programme should be graded considering position of employee in organization, his duties and obligations

- Basis for issuing clearance permissions
- Mitigation of potential insider threat

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Conclusions

- National nuclear security regime is effective only when all it's parts are effective and strong
- Common goal: protection of nuclear and radioactive material and associated facilities
- Involvement and dedication of all relevant state stakeholders
- Regulatory authority plays important role in overall security regime
- Control and protection of sensitive information and documents
- Prevention of any intentional or unintentional loss of information
- Active participation of all personnel



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Thank you for your attention!

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