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International Physical Protection Advisory Service

“IPPAS” - Mission 2014 Belgium

Overview

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Background IPPAS Mission

- International Physical Protection Advisory Service:
 - Intended to help IAEA Member States (on request) to establish and maintain an effective national nuclear security regime.
 - Peer review on the implementation of international instruments: CPPNM 2005 amendment / guidances IAEA Nuclear Security Series (ex. Infcirc 225 – NSS 13)
 - Assessment includes a national level review of the legal and regulatory framework, implementation at facilities and transport
 - Basis: IPPAS Guidelines (November 2014)
 - Since 1995
 - Total of 64 missions
 - 24th of November – 5th of December 2014

Considerations

- Importance of nuclear security
- Regulatory framework concerning the physical protection of nuclear materials, installations and transports
- NSS Seoul 2012
- Security Conference - General Conference in 2013
- Ad hoc group on Nuclear Security

Expectations

- Our expectation was that the broad experience of the IPPAS international expert team in design, implementing and regulatory oversight of nuclear security would help us to:
 - Exchange information and experiences, not only between authorities, but also with the facilities security experts
 - goal: extending our knowledge
 - Identify the good practices that can be beneficial to others
 - Demonstrate our commitment to continuous improvement
 - Promote and further develop our security culture
 - Reinforce the cooperation between all stakeholders in nuclear security

Scope of the mission

- The scope was defined in close cooperation with the IAEA
- Review of the nuclear security regime for nuclear materials and facilities (Module 1)
- Review of the facilities (Module 2)
- Transport (Module 3)
- Integration and participation of other organizations, e.g. law enforcement, crisis center, intelligence and threat assessment agencies, national security authority
 - Not full scope

Team Composition

- Mr Steve Skelton: IPPAS team leader: ONR
- Mr Jorge Dejoz: ENSI
- Mr Tapani Hack: STUK
- Mr Wim van Tol: Dutch Police
- Mr Philippe Aubert: IRSN
- Ms Rita Leijendekker - Van Kaam: Dutch Ministry of Economic Affairs
- Mr Nicolas Delaunay: IPPAS Team coordinator - IAEA

Schedule week 1

Date	Content
Sun 23 Nov	In-briefing – safety and security briefing
Mon 24 Nov	Opening meeting - Legal instruments
Tue 25 Nov	Response, crisis management, emergency management
Wed 26 Nov	Physical protection nuclear power plants – site visit NPP Tihange
Thu 27 Nov	Physical protection research centre + transport security – site visit SCK-CEN + Transnubel
Fri 28 Nov	Response – site visit NPP Doel + Field exercise at NPP Doel
Sat 29 Nov	Cultural event
Sun 30 Nov	Report writing

Schedule week 2

Date	Content
Mon 1 Dec	Report writing
Tue 2 Dec	Report writing
Wed 3 Dec	Report writing + handover of the report + examination of the report by the host country
Thu 4 Dec	Discussion of the IPPAS report + finalising the IPPAS report
Fri 5 Dec	Exit meeting

Findings of the mission

Highly confidential report

General

- The state nuclear security regime in Belgium is robust with a programme of continuous improvements in place at both government and operator level
- In the right direction → significant progress made and further improvements planned
- Significant improvements have been made at the legal and regulatory framework and physical protection at nuclear facilities (work in progress)

Recommendations – Suggestions – Good Practices

- Good practices beneficial for other competent authorities
 - License files
 - Community of security experts
 - DBT at 2 levels
 - Process for organizing and follow-up of transports
 - One good practice at operator level
- Recommendations-Suggestions
 - In the area of Armed Response
 - Importance of completing Vital Area Identification
 - Vetting aftercare
 - Contingency planning and exercises
 - Guarding
 - Recommendations and suggestions at facility level

Next steps

- Final report still pending
- Action plan
 - Governmental level
 - Facility level
- Integrated in Strategic Plan FANC
- Follow-up mission (3 years)

Q&A

