Marc WYCKMANS

International Physical Protection Advisory Service

“IPPAS” - Mission 2014
Belgium
Overview

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- Scope of the mission
- Team composition
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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

<table>
<thead>
<tr>
<th>Date</th>
<th>Content</th>
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<tbody>
<tr>
<td>Sun 23 Nov</td>
<td>In-briefing – safety and security briefing</td>
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<tr>
<td>Mon 24 Nov</td>
<td>Opening meeting - Legal instruments</td>
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<td>Tue 25 Nov</td>
<td>Response, crisis management, emergency management</td>
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<td>Wed 26 Nov</td>
<td>Physical protection nuclear power plants – site visit NPP Tihange</td>
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<td>Thu 27 Nov</td>
<td>Physical protection research centre + transport security – site visit SCK-CEN + Transnubel</td>
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<td>Fri 28 Nov</td>
<td>Response – site visit NPP Doel + Field exercise at NPP Doel</td>
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<td>Sat 29 Nov</td>
<td>Cultural event</td>
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<td>Sun 30 Nov</td>
<td>Report writing</td>
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## Schedule week 2

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<tr>
<th>Date</th>
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<tr>
<td>Mon 1 Dec</td>
<td>Report writing</td>
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<tr>
<td>Tue 2 Dec</td>
<td>Report writing</td>
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<tr>
<td>Wed 3 Dec</td>
<td>Report writing + handover of the report + examination of the report by the host country</td>
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<td>Thu 4 Dec</td>
<td>Discussion of the IPPAS report + finalising the IPPAS report</td>
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<tr>
<td>Fri 5 Dec</td>
<td>Exit meeting</td>
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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)