



International Atomic Energy Agency

G8 Global Partnership Meeting

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IAEA Nuclear Security Activities

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Outline

- **IAEA Nuclear Security Programme.**
- **Working with Global Partnership.**
- **Future Opportunities.**

Current Nuclear Security Programme

IAEA Nuclear Security Plans

- **2002 - 2005**
 - Approved by Board of Governors in March 2002
 - Nuclear Security Fund approved to receive voluntary contributions
- **2006 - 2009**
 - Approved by Board of Governors in September 2005
- **2010 – 2013**
 - Drawn up in consultation with Member States
 - Approved by Board of Governors in September 2009

Four Elements of Current Programme

- 1. Needs assessment, information collation and analysis – *INSSP/ITDB/NUSEC/NUSIMS***
- 2. Contributing to the enhancement of a global nuclear security framework – *International Instruments, Nuclear Security Guidance/standards Documents, Coordinated Research Projects***
- 3. Providing nuclear security services – *Advisory, Peer Review Missions (INSServ/IPPAS), E&T***
- 4. Risk reduction and security improvement – *Physical Protection Upgrades, Removal of material, Equipment Provision, ...etc.***



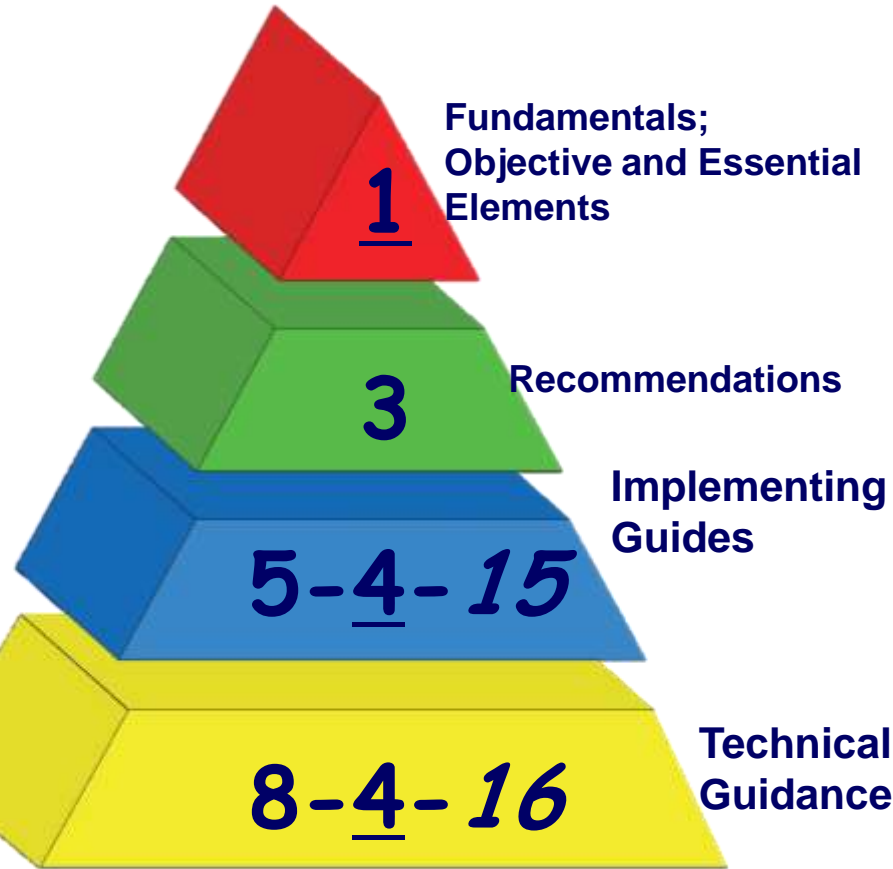
1. Needs assessment, information collation and analysis

- **INSSP** (Integrated Nuclear Security Support Plans):
 - 60 have been developed or are in various stages of finalization
 - Another sixty will be developed by 2013
 - *In line with 2011 declaration entitled 'Assessment and Options for Future Programming'*

- **NUSEC** (Nuclear Security Information Portal)
 - Promotes and disseminate self-assessment; and
 - Establish and maintain a Nuclear Security Information Management System (NUSIMS).

2. Contributing to the enhancement of a global nuclear security framework

IAEA Nuclear Security Series Publications



16 Published – 8 in Final Stage – 31 Planned

Coordinated Research Projects

- Development & Implementation of Instruments & Methods for Detection of Nuclear and other Radioactive Material
- Application of Nuclear Forensics in Illicit Trafficking of Nuclear and other Radioactive Material
- Identification High Confidence Nuclear Forensics Signatures for the Development of National Nuclear Forensics Libraries
- Development of Methodology for Risk Assessment & State Management of Nuclear Security Regime

3. Provision of Nuclear Security Services

Peer Reviews and Advisory Services

- **> 40 States have received INSServ Missions**
- **> 35 States have received IPPAS Missions**
- **> 115 States have received RaSSIA, IRRS
...etc.**
- **> 30 States have received legislative
assistance**

3. Provision of Nuclear Security Services (Cont'd)

Education and Training in figures:

- About **30** different nuclear security training courses were designed
- About **60** events (training courses, workshops) per year
- About **10.200** participants from **120** States were trained in **400** training events

4. Risk Reduction & Security Improvement

Physical Protection Upgrades

- 110 sites in 30 States had Physical Protection upgrades
- 4700+ radioactive sources were secured in 35 States
- 170+ sources repatriated to supplier States
- 1040 kg of research reactor fuel repatriated

Enhanced capabilities for Border Control in 56 States

- 3200+ instruments and related training provided
- 52 Radiation Portal Monitors installed in 19 States
- Remote monitoring systems in 11 countries



Working with Global Partnership

Working with the Global Partnership

Contributions from existing GP Members since start of NSF of over € 20 million.

Standard approach:

- IAEA discusses and agrees projects to be supported with the contributor; and
- IAEA involves contributor, where appropriate, in assessment visits, project design, monitoring and evaluation.

Examples of Projects Funded by GP Contributions: PP Upgrades



Examples of Projects Funded by GP Contributions: PP Upgrades (Cont'd)



- **Central Alarm Station installed in a NPP using funds from a Member of the GP**

Examples of Projects Funded by GP Contributions: IAEA - ROSATOM

Establishing of Physical Protection Centre in Obninsk



Joint Project: IAEA - ROSATOM

Establishing of Physical Protection Centre in Obninsk (Cont'd)



29 May 2009

Future Opportunities

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- **Accelerating implementation of NSP through provision of funds.**
- **Establishment and Implementation of INSSPs and new self assessment methodology (meeting national and international obligations).**
- **Supporting national commitments made to Nuclear Security Summit and other fora.**

Future Opportunities (Cont'd)

- **IAEA with 152 Member States is only platform for global nuclear security.**
- **IAEA has existing agreements with Member States, removing need to negotiate separate agreement.**
- **Agency can address States that prefer to receive multilateral assistance.**

Conclusion

Global Threat demands Global Response

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**Together we shall establish and maintain a
secure and continuously improved world**

...Thank you for your attention

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