

SEMINAR ON NUCLEAR SCIENCE AND TECHNOLOGY FOR DIPLOMATS Vienna, 3-5 February, 2008

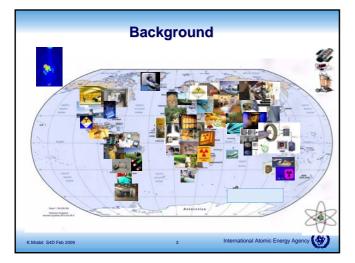
4.1 Global Nuclear Safety Security Regime and

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Contents

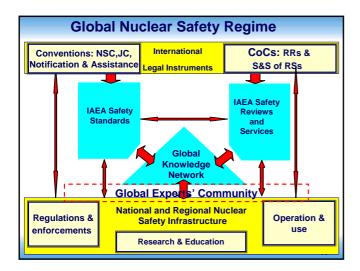
- Background
- Global Nuclear Safety Regime
 - ✓ International Safety Instruments
 - **✓IAEA Safety Standards**
 - √ Knowledge Networks
- Conclusion

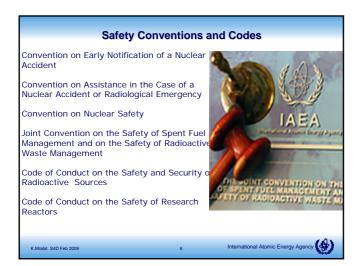


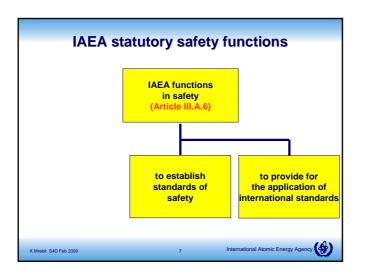
Background (Cont'd)

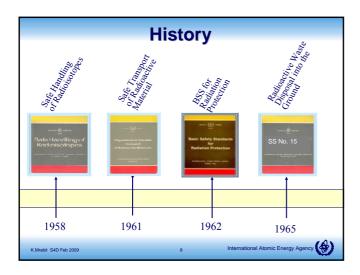
- The Chernobyl accident and recent terrorist attacks were turning points for safety and security respectively in the nuclear industry
- Both have resulted in accelerated international cooperation in nuclear safety and security and the establishment of global safety and security regimes as a more visible important aspect of the globalization process
- Incident or accident in any nuclear activity has impacts for all nuclear activities world-wide

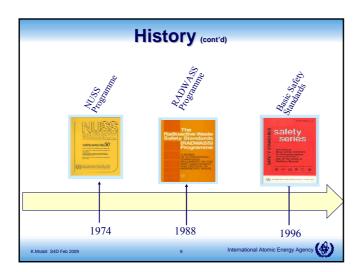
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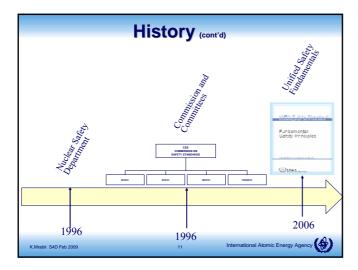








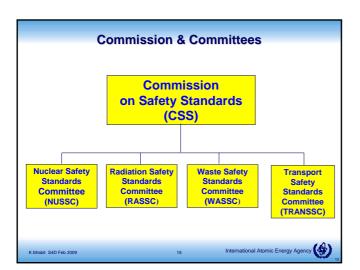




History (cont'd) 1996 - 2008 1996 - Establishment of the Department of NS: Harmonized processes involving the Commission and the four Committees; and Preparation of an overall structure of Safety Standards. 2006 - Unified Safety Fundamentals: beginning of a top-down approach 2008 - Roadmap on the long term structure and format of SR approved by CSS

Status of the IAEA Safety Standards Safety Standards are: Non binding on Member States but may be adopted by them Binding for IAEA's own activities Binding on States in relation to operations assisted by the IAEA or States wishing to enter into project agreements with IAEA





Commission on Safety Standards Standing body of senior government officials holding national responsibilities for establishing standards and other regulatory documents relevant to nuclear, radiation, transport and waste safety Overview role with regard to the Agency's safety standards and provides advice to the Director General on the overall programme on regulatory aspects of safety

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Safety Standards Committees

- Standing bodies of senior experts, established by the DDG-NS
- They advise the DDG-NS on the overall programme for the development, review and revision of standards

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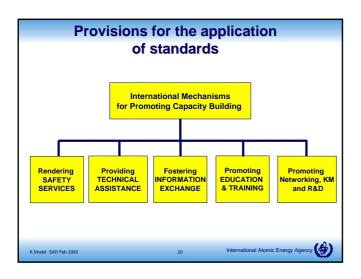
Process Flow for the Development of IAEA Safety Standards Outline and work plan Prepared by the Secretariat Review by the committees and Commission on Safety Standards Orafting or revising of safety standard by the Secretariat and consultants Review by the safety standards committee(s) Endorsement by Commission on Safety States Endorsement by Commission on Safety Standards * Bog: SF & SRs DG:SGs NKMabit SAD Feb 2009 KMabit SAD Feb 2009

Vision

- Complete, consistent, coherent, integrated and user-friendly safety series with a manageable number of publications
- Sustainable continuous improvement system through effective feedback from application of SSs
- Global Reference used worldwide by Member States to deliver a harmonized high level of safety for protecting people and the environment from the harmful effects of ionizing radiation

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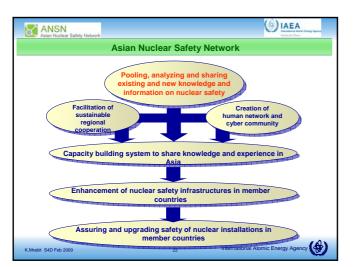
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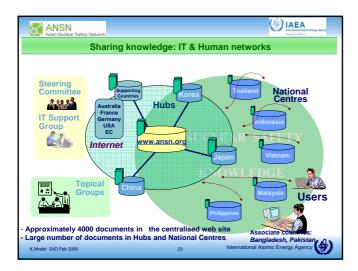


Global Nuclear Safety Network

- The GNSN is based on & will promote GNSR
- The GNSN platform is currently being developed at the IAEA
- The vision is to have all safety related networks and information resources made visible and available through links on this platform

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Conclusion

"The... Committee has decided that the Nobel Peace Prize for 2005 is to be shared... between the IAEA and its Director General...



- for their efforts to prevent nuclear energy from being used for military purposes, and
- to ensure that nuclear energy for peaceful purposes is used in the safest possible way."

" At a time ...when there is a danger that nuclear arms will spread both to states and to terrorists groups, and when nuclear power again appears to be playing an increasingly significant role, IAEA's work is of incalculable importance."

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Conclusion (Cont'd)

- Changes in world markets and technology are having an impact on both nuclear industry and regulators as never before. A key challenge now is to properly assess and address the safety and security implications of these changes
- There is greater need for international consistency of standards and their application and for strong leadership and clear responsibility for safety and security
- The Global Nuclear Safety and Security Regime provides the mechanisms for safety and security excellence in all nuclear activities

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