E-learning for Newcomers on the IAEA Milestones Approach

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Background to E-learning modules

- Member States requesting assistance in introducing nuclear power programs
- Implement training for a broad audience at an overview level
- Foundation to better understand the IAEA Milestones approach
- MS may have problems providing satisfactory (nuclear) Education and Training
- Funded by Republic of Korea
Background to E-learning modules

- MS may have problems providing satisfactory (nuclear) Education and Training due to
  - Lack of prior need/interest (newcomers)
  - Inadequate long-term planning
  - Low levels of funding and other resources
  - Lack of suitable infrastructure
Infrastructure development and the Milestones Approach

• Developing the infrastructure to introduce nuclear power is a complex programme.
### The 19 Infrastructure Issues

<table>
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<th>National position</th>
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<tr>
<td>Nuclear Safety</td>
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<td>Management</td>
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<td>Funding and financing</td>
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<td>Legislative framework</td>
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<td>Safeguards</td>
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<td>Regulatory framework</td>
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<td>Stakeholder involvement</td>
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<td>Site and supporting facilities</td>
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<td>Security and physical protection</td>
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<td>Nuclear fuel cycle</td>
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<td>Radioactive waste</td>
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<td>Industrial involvement</td>
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<td>Procurement</td>
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### Related issues

- Milestones approach overview
- Construction management
- SAT
- Feasibility study
- Management Systems
Target audiences

- Decision makers, advisers and senior managers in the governmental organizations, utilities, industries, and regulatory bodies of a country interested in developing nuclear power
- Other organizations, such as donors, suppliers, nuclear agencies, and operator organizations
- New countries and organizations who are planning to start co-operation with Agency
- Participants of the IAEA events (missions, workshops, technical meetings, consultancy meetings, training courses etc.)
- For internal training use in different type of organizations (to support internal training, including within the IAEA itself)
- People who are new to the approach, for example students (to understand “the big picture”)
The results...so far

Implementing a Nuclear Power Programme
Developing a Human Resource Strategy
Stakeholder Involvement
Management of a Nuclear Power Programme
Construction Management
Systematic Approach to Training (SAT)
Feasibility Study
Management Systems
Safety Infrastructure
Coming up during 2014

- Emergency Preparedness and Response (July)
- Safeguards (August)
- Spent Fuel and Waste Management (November)
Increasing use of the e-learning modules

- **Top 10 users April 2014**
  - United States,
  - United Kingdom
  - South Korea
  - China
  - Sweden
  - Japan
  - France
  - India
  - Egypt
  - Indonesia

- **Other Big users past 12 months**
  - Vietnam
  - Turkey
  - Malaysia
  - Kenya
  - Poland
  - UEA
  - Nigeria
SAT – an example of how the e-learning is used

- **Sweden**
  - Introduction within new Training Programme for Instructors (classroom and simulator) and Managers at different levels (Nuclear and Safety Training Company KSU)
  - Training staff, HR-department and managers at the NPPs

- **UK**
  - EdF Energy’s new build training team
Making information accessible to a broader audience via modern platforms

- Downloadable in near future for off-line use
- http://www.iaea.org/NuclearPower/Infrastructure/elearning/