IAEA 60 Years
Atoms for Peace and Development

The IAEA School of Nuclear and Radiological Leadership for Safety

Evaluation of the Pilot and Future Development Phases

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Content

- Background
- Pilot project
- Lessons and conclusions
- Next steps

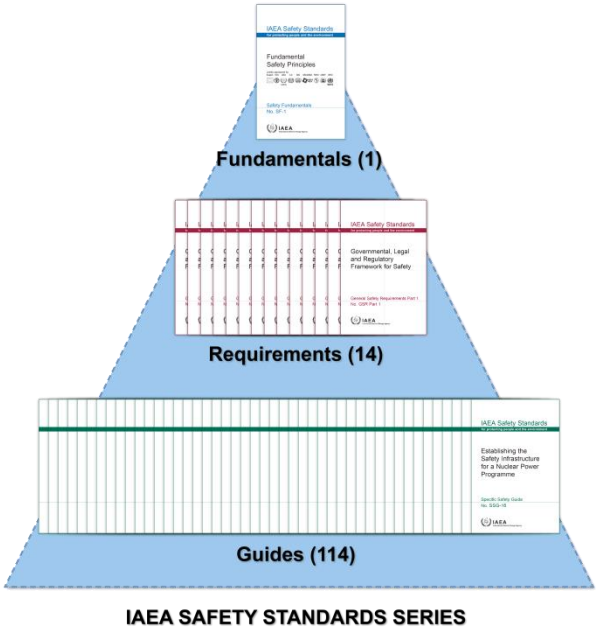
Why?

- Leadership for safety is recognized as highly important

General Conference Resolutions

Observations and lessons

IAEA safety standards



For whom?

- **Target audience:** Young and mid career professionals with leadership potential

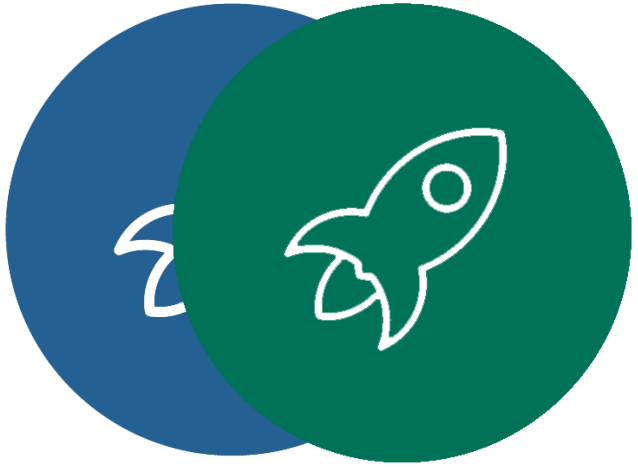
- **Objectives:**
  - Support their safety context for their decisions
  - Leverage participants influence as peer or informal leaders
  - Increase sustainability of a safety organization

Pilot Project Phases

1. Inception

2. Development

3. Pilot implementation



2015 – 2017

1. Inception of the Pilot

- From 2015 to the beginning of 2016.
- The **outputs** of this phase were:
  - the concept of the school;
  - the establishment of internal coordination; and
  - a proposal for extra budgetary funding of the project.
- Successfully completed
- Necessary basis for preliminary project development
- Supported by regular and extra-budgetary funds

2. Development Phase

- April 2016 and June 2017.
- The **outputs** of this phase were:
  - A school development plan, including estimate of needs and allocation of resources
  - Five consultancy meetings from October 2016 until June 2017
  - A curriculum for the school (so called concept paper) with a description of the objectives, expected outcomes, target audience and methodology
  - A draft programme for a one week pilot school;
  - A set of 4 training packages based on case studies from nuclear power, fuel facilities and medical applications.
- The programme and training material produced were well documented and very useful for the pilot implementation.
- The case studies and teaching notes are a valuable output with great potential for future Agency activities.

Development team

- **11** Technical officers and delegated experts from the IAEA

- **1** Project manager
- **1** Technical leader
- **1** Implementation officer

} IAEA's Office of Safety and Security Coordination

- **5** External senior experts from the nuclear field

- **2** University professors

3. Implementation: Rehearsal

- **Three day rehearsal** in Vienna in September 2017.
- The rehearsal was **appreciated**.
- Opportunity to test the use of some of the **case studies** and the operational aspects of the methodology
- Facilitators and experts had the chance to meet.

3. Implementation: Pilot

- Great interest of potential applicants (**170**)
- **20** were selected from a variety of professional backgrounds in the nuclear and radiological field
- preliminary assessment shows general feeling of accomplishment
- More space for substantial presentations and examples from Member States would be beneficial (extend future schools to two-three week period)

Overall lessons

- Coordination and communication amongst internal and external experts from different backgrounds was challenging but constructive and positive.
- More learning from experience, practical examples and role play.
- Potential to develop more case studies which could enhance the role of the regulator.
- Facilities with human factors simulators would greatly benefit the concept of learning from experience.
- More technical visits might also help.

Next Steps

- ✓ The Pilot confirmed the viability & merits of the idea of the school and its future development.

Phase 1 - completed
Pilot Project
(1 Year)

Phase 2 (3 Years) and
Phase 3 (5-10 Years)

2017 – onwards

Phase 2 (3 years)

Development of a two week School, regional implementation and train the trainer programme.

1. Further development of the case studies and an enhanced methodology
   (such as more case studies, more safety areas)
2. Regional implementation and building of pool of experts
3. Train the trainers packages and seminars, a training management system
4. E-learning, web support
5. Outreach and dissemination

Phase 3 (5-10 years)

Link to capacity building programmes of Member States

- Develop a consolidated product that can link with and support Member States' national programmes for capacity building in this area
- Link to relevant research and university programmes in Member States
- **Overall objectives:**
  - facilitate interregional cooperation;
  - mutual learning; and
  - harmonisation of practices.

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