



“The Challenge of Introducing Innovation in processes and regulation”

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Piet Müskens, director-inspector of the
Department for Nuclear Safety Security Safeguards and Radiation Protection
Inspectorate for Housing Spatial Planning and the Environment



change in governmental offices

before 5-11-2010:

Ministry of Housing Spatial Planning and the Environment

- policy and rule making tasks (policy department)
- supervisory tasks (department for NSSS&RP)

separation within one ministry

After 5-11-2010:

Ministry of Economy Agriculture and Innovation

- policy and rule making (policy department)

Inspectorate for Housing Spatial Planning and the Environment
(serving three ministries)

- supervisory tasks (department for NSSS&RP)

separation between ministry and inspectorate



innovation items

- continuous improvement as stated as principle in the Nuclear Safety Directive.
- synergy in regulation and supervision on nuclear safety and nuclear security.



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continuous improvement (1)

Nuclear Safety Directive - milestone

- regulators or supervisors have to
- account publicly on continuous improvement of nuclear safety
- require from licensees
 - to gather information worldwide
 - to show that the best techniques, methods and practices are applied.
- inquire worldwide whether the licensees do meet this requirement.



continuous improvement (2)

supervisors obligations

- work in the right pace & in a proper, careful manner,
 - serving the principle of continuous improvement of nuclear safety
- seek actively a cooperation with fellow organizations abroad and TSO's,
 - this cooperation beyond the usual forms of cooperation
 - based on partnerships with capacity transfers based on formal (financial) agreements.

“innovation by internationalization”



innovation items

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- synergy in regulation and supervision on nuclear safety and nuclear security.



safety & security (2) INSAG-24; conclusions

- safety and security serve a common objective - the protection of the public and the environment.
- reflect a common philosophy of defense in depth.
- many features of plant design or operation serve to enhance both safety and security.
- actions undertaken to advance one purpose could adversely affect the other.
- therefore decisions regarding safety or security require an integrated management approach
- consultation of experts in each discipline on a continuous basis.
- safety and security issues should be evaluated on mutually supporting and reinforcing terms



safety & security (3) new step

- launched by the Commission on Safety Standards (CSS) and the Advisory group on nuclear Security (AdSec)
 - developing safety and security synergies and interfaces
 - examining the feasibility of the establishment of a nuclear safety and security standards series is both necessary and timely.
- announcement of “new step” by CSS chairman Lacoste
- **“innovation by integration”**



conclusions

point of view of nuclear regulator / supervisor

- innovation in two major fields of work
- continuous improvement of safety & to meet the challenges of new build nuclear reactors
 - **“innovation by internationalization”**
- to improve the supervision on nuclear safety as well as nuclear security
 - **“innovation by integration”**