Nuclear Safety Standards Committee
41st Meeting, 21 – 23 June, 2016

Agenda item 2.6

Status of Safety Standards

Miroslav SVAB, NUSSC Scientific Secretary
Regulatory Activities Section (RAS)
Division of Nuclear Installation Safety (NSNI)
Detailed steps to develop a Safety Standard (as described in SPESS)

- **SPESS 14 steps and NUSSC input**
  - STEP 1: Preparing a DPP (document preparation profile)
  - STEP 2: Internal review of the DPP
  - **STEP 3: Review of the DPP by the SSC(s)**
  - STEP 4: Review of the DPP by the CSS
  - STEP 5: Preparing the draft safety standard
  - STEP 6: First internal review of the draft safety standard
  - **STEP 7: First review of the draft safety standard by the SSC(s)**
  - STEP 8: Soliciting comments by Member States
  - STEP 9: Addressing comments by Member States
  - STEP 10: Second internal review of the draft safety standard
  - **STEP 11: Second review of the draft safety standard by the SSC(s)**
  - STEP 12: Review of the draft safety standard by the CSS
  - STEP 13: Establishing as an IAEA safety standard (by the Publications Committee and/or Board of Governors (for SF and SR only))
  - STEP 14: Publication of the safety standard
### Project (*…Lead Committee: NUSSC*)

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## Status of Safety Standards under development
### June 2016

**Project** (*…Lead Committee: NUSSC*)

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### Project (***Lead Committee: NUSSC***)

| STEP 7 | Draft submitted to SSCs | DS495: Regulations for the Safe Transport of Radioactive Material  
DS474: Arrangements for the Termination of a Nuclear or Radiological Emergency  
*DS482: Design of Reactor Containment Systems for Nuclear Power Plants  
*DS488: Design of the Reactor Core for Nuclear Power Plants  
*DS491: Deterministic Safety Analysis for Nuclear Power Plants |
### Project (*…Lead Committee: NUSSC*)

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- **DS472**: Organization, Management and Staffing of the Regulatory Body
- **DS473**: Regulatory Functions and Processes
- **DS478**: Safety of Fuel Cycle Facilities (*Specific SR*)
- **DS483**: Severe Accident Management Programme for NPPs
- **DS485**: Ageing Management and Programme for LTO for NPPs
# Project (Lead Committee: NUSSC)

| STEP 11 | Draft submitted to SSCs | **DS427**: Radiological Environmental Impact Assessment for Facilities and Activities  
**DS432**: Radiation Protection of the Public and the Environment  
**DS442**: Regulatory Control of Radioactive Discharges to the Environment |
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### Status of Safety Standards under development
#### June 2016

**Project** (*…Lead Committee: NUSSC*)

| STEP 14                  | Publication of the safety standard | *DS456*: Leadership and Management for Safety  
|                          |                                  | *DS476*: Safety of Research Reactors (*Specific SR*)  
|                          |                                  | *DS360*: Safety of Nuclear Fuel Reprocessing Facilities  
|                          |                                  | *DS381*: Safety of Nuclear Fuel Cycle Research and Development Facilities  
|                          |                                  | *DS460*: Communication and Consultation with Interested Parties |

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Safety Standards Recently Published

- **5 Safety Requirements, Rev.1** (GSR Part 1, SSR-2/1, SSR-2/2, GSR Part 4, NS-R-3)

- **SSG-34** Design of Electrical Power Systems for Nuclear Power Plants

- **SSG-39** Design of Instrumentation and Control Systems for Nuclear Power Plants
Thank you for your attention.

m.svab@iaea.org