Joint Meeting of NUSSC, RASSC and WASSC

26-27 November 2014

Agenda Item NRW9.1
NST051 Security during the lifetime of a nuclear facility

DPP for information

Ian Barraclough
Division of Nuclear Security
• NSGC-5 ‘roadmap’ included development of a document titled “Security of nuclear facilities during their lifecycle”

• NS Coordinating Committee suggested title change to “Security during the lifetime of a nuclear facility”, assigned NST051.

• Proposed as new Technical Guidance
Status of Technical Guidance

Safety Standards Series
- Safety Fundamentals
- Safety Requirements
- Safety Guide
- Safety Report

Nuclear Security Series
- Fundamentals
- Recommendations
- Implementing Guide
- Technical Guidance

Interface Group decides which are “interface documents”

Not “interface documents”
Change of category

- NSGC 6th Meeting, 10-14 Nov. 2014, approved DPP as **Implementing Guide**
- Will need to submit to Interface Group
  - Broad scope, so likely to be interface document with all SSCs
- Too late to submit DPP for SSC clearance
  - Therefore, DPP presented for information to NUSSC, RASSC, WASSC (TRANSSC met same week as NSGC)
  - If confirmed as interface document, will need clearance by relevant SSCs at Steps 7 and 11
  - Consistent with process followed when CSS has requested review by additional SSCs after development started
- Any SSC comments for development of document will be taken into account (minor changes to DPP might be considered)
Nuclear facilities have long lifetimes, which can create complex challenges when moving from one stage/phase of a facility lifetime to the next.

Concept supposes nine different phases of a nuclear facility lifetime.
Nine phases of a nuclear facility lifetime

- Regulatory infrastructure and requirements development,
- Site selection/evaluation,
- Generic design and procurement specification,
- Site specific design,
- Construction,
- Commissioning,
- Operation,
- Shutdown (extended shutdown, and/or cold shutdown), and
- Decommissioning and release from regulatory control.
There are gaps in NSS guidance on nuclear security requirements for nuclear facilities during several identified phases.

- NSS No. 19 provides recommendations but no specific guidance for Phase 1.
- NSS No. 13 provides recommendations; but no specific guidance for Phases 2, 3, and 4.

This guide is intended to provide guidance during all phases, from concept to decommissioning.

- Focus on phases not covered in other guidance
Document Objective

• The Technical Guide will provide guidance on implementing recommendations in NSS No. 13, specifically topics 3.27 and 3.28, to develop and implement comprehensive nuclear security at all stages of the lifetime of a facility.
Document Scope

- The scope of this guide is for all phases of the facility lifetime from concept to decommissioning.
- Intended to be applicable to all nuclear facilities including NPPs.
- Concepts and guidance developed may also be used to apply to other facility types (Other nuclear facilities and nuclear material)
Questions?