NRC RTR Operator Licensing Activities

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2019 TRTR Annual Meeting
September 25, 2019

Operator Licensing Agenda

- Exam Overview

- Docket Summary

- Status of Operating Licensing (OL)

- NUREG-1478 Update

- Discussion/Resolution on OL issues

  – SROI

  – Applications & Medicals

  – Alternate Requalification Programs

Operator Licensing Program – Year in Review

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

- FY 19 RTR Exam Performance relatively consistent

  – Administered exams to 52 RO and 32 SRO candidates in FY18

  – **Written Exam Pass rate**

    - 42/52 for Reactor Operators (81%)

    - 13/14 for Senior Reactor Operators (93%)

  – **Operating Exam Pass Rate**

    - 48/52 for Reactor Operators (92%)

    - 31/32 for Senior Reactor Operators (97%)

RTR Operator License Docket Summary

- 370 Active RTR Licenses
  - 179 Reactor Operators
  - 181 Senior Reactor Operators
  - 1 Limited Senior Reactor Operator

- 54% of active licenses have conditions
  - Most of these are corrective lens (82%)
  - Prescribed Medications (15%) Other (3.5%)

Operator Licensing Current Schedule

- Oct Paulette – Reed & MST

- Oct John – ISU

- Oct Michele - TXA&M & UMD

- Nov John - UCI

- Nov Bill/Michele – Utah

- Jan Paulette – UTX

- Feb John – GE

- Feb Michele – MIT

- Mar Paulette – TXA&M

- Mar John – Rhode Island

- Mar Michele – Penn State

- Mar John/Michele - Reed

Operator Licensing Current Schedule

- Apr Paulette – NCSU

- Apr Michele – ISU

- Apr/May Paulette – NIST

- May John – MURR

- May Michele – Reed & UWI

- June John/Michele WSU & OSU (Oregon)

- June Michele - UMass-Lowell

- Aug Paulette – ISU

- Aug John – MIT

- Sept Paulette – MURR

- Sept John – NCSU

- Oct 2021 Michele – UMD

Status of Operating Licensing

- Staffing situation
- Crossover
- Moving forward
- Medical Isotopes

NUREG-1478

- Update in the pipeline

- Challenges – Contract limited staffing support (conducting exams)

- Realignment (power regulations and update to digital age)

Discussion/Resolution on OL Issues

- SRO-I requirement

- Application to include Medical issues
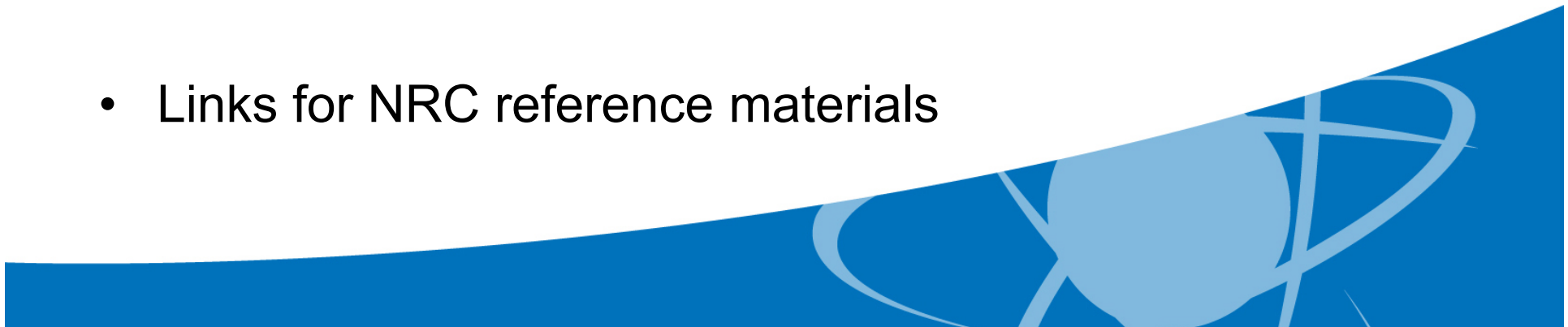
- Alternate Requalification Programs

Issues requiring clarification to be included in the revision of NUREG-1478

SECTION	SUBJECT	
TOC	–	Add table of contents
	–	List applicable regulations and which sections referenced
DEFINITIONS	–	Update definitions to be consistent with 1021
ES201N	–	Clarification on licensee review on written exam
ES202N	–	Regaining proficiency after extended shutdown
	–	12-month requirement for SRO-I onsite experience
	–	Application denial vs License denial
	–	Medical Status updates
	–	SRO-I qualifications requirements
	–	Form 396 21.d applicability to RTRs
	–	Extra Person on Shift in Control Room clarification
	–	Clarification in SRO Instruction
ES202N/FORM 396	–	Medical Certification date
ES203N	–	Waivers vs Excusals
	–	Overall Passing criteria for exam retake for sections failed.
ES301	–	Fail one part of operating test = overall failure
	–	Automatic failure criteria
	–	Deduction criteria for operating mistakes
	–	Factor in number of comments for UNSAT criteria
ES-302N-1	–	Security form and waivers for exam integrity
ES601	–	Define significant deviation

Summary

- Organizational and Staffing Changes

- RTR Routine Inspection Program - Steady

- 10 CFR Part 71 – Active area and moving forward

- RTR Physical Security Program – Forward looking and continuing international presence

- RTR Operator Licensing – Codifying lessons learned and updating Examiners Standards for future use

- Links for NRC reference materials

NRC Reference Material

- 10 CFR website:

- https://www.nrc.gov/reading-rm/doc-collections/cfr/

- Information Digest 2019-2020:

- https://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1350/

Questions