



## **Public Meeting:**

# **Status of Rulemaking to Align Licensing Processes and Apply Lessons Learned from New Reactor Licensing**

November 21, 2019

# Ground Rules

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- One speaker at a time
- Please state your name before speaking – this session is being transcribed.
- Please hold questions until after the NRC presentations
- Follow the agenda
- Stay on topic
- Mute or place on vibrate all electronic devices

# Today's Meeting

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- Provide an update on the effort since the last public meeting on this rulemaking (Meeting summary; ADAMS Accession No. ML19023A046)
- Provide an overview of the scope described in SECY-19-0084
- Conduct a Question and Answer Session on the scope of the rulemaking described in the SECY
- Provide an overview of the rulemaking schedule

# OPENING REMARKS

**Anna Bradford – Director  
NRR Division of New and  
Renewed Licenses**

# NRC STAFF PRESENTATION

# NRC Staff Presenters



Jim O'Driscoll,  
NMSS  
Rulemaking Project  
Manager



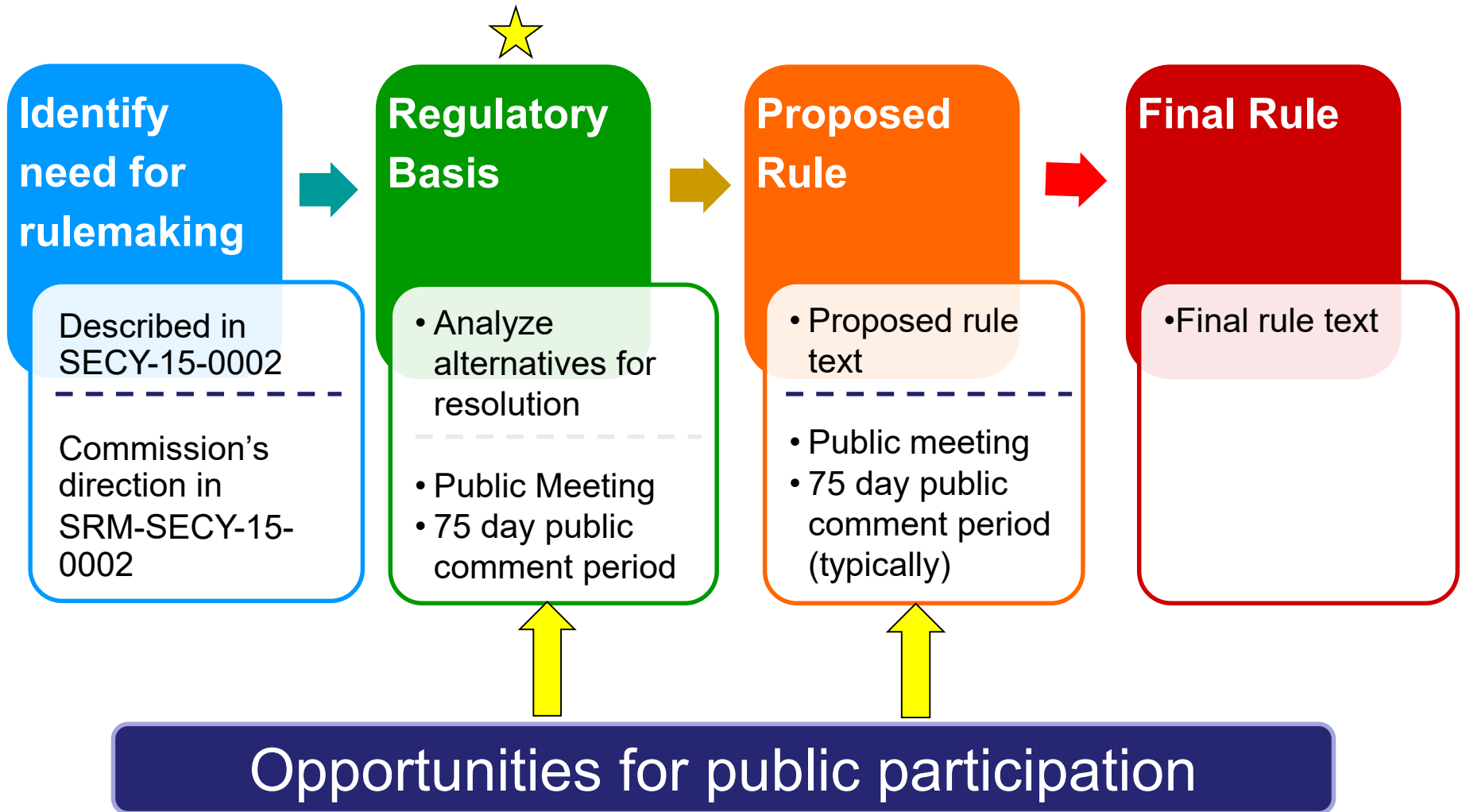
Carolyn Lauron,  
NRR  
Senior Project  
Manager

# Purpose of the Rulemaking

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- Implement Commission direction in SRM-SECY-15-0002, “Proposed Updates of Licensing Policies, Rules and Guidance for Future New Reactor Applications” to:
  - Align the reactor licensing processes
  - Improve clarity
  - Reduce unnecessary burden on applicants and staff

# Rulemaking Process





# Regulatory Basis (RB)

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- A regulatory basis provides a sound foundation for informed decision-making throughout the rulemaking process
  - RB describes the technical, legal and policy issues and the staff's consideration of options to resolve the issues
  - A cost/benefit analysis of options will be developed as part of the RB

# Rulemaking Activities

October 1, 2018

Started scoping and outreach

January 15, 2019

Held public meeting

July 11, 2019

Alignment on scope

August 27, 2019

Issuance of Commission Information  
Paper SECY 19-0084

September 20, 2019

Held ACRS meeting

# Next Steps

June 2020

Complete the technical development of the regulatory basis

November 2020

Complete concurrence on the regulatory basis package

December 2020

Issue the regulatory basis for public comment

March 2021

Hold public meeting and commence drafting the proposed rule

# Screening Criteria (SECY-19-0084)

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- Items were first considered if they met at least one of the following criteria:
  - Addresses alignment of Parts 50 and 52
  - Addresses lessons learned from licensing activities
  - A change that could significantly improve the licensing process
  - Reduces unnecessary burden and does not impact other requirements

# Screening Criteria (cont'd)

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- Items were screened out if they met at least one of the following criteria:
  - The item would provide neither a significant safety benefit nor burden reduction to staff or industry while maintaining the agency's safety mission
  - The item could be addressed by the administrative rulemaking for corrections
  - The item could be addressed through the development of guidance outside of rulemaking

# Scoping Results

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- Four alignment items
- 52 lessons learned items
- 8 additional items are corrections, to be addressed in the semiannual administrative rulemaking for corrections to the CFR

Please come up to the microphone or press \*1 on the phone

Please state your name & affiliation before your question.

# Q&A



# Next Steps

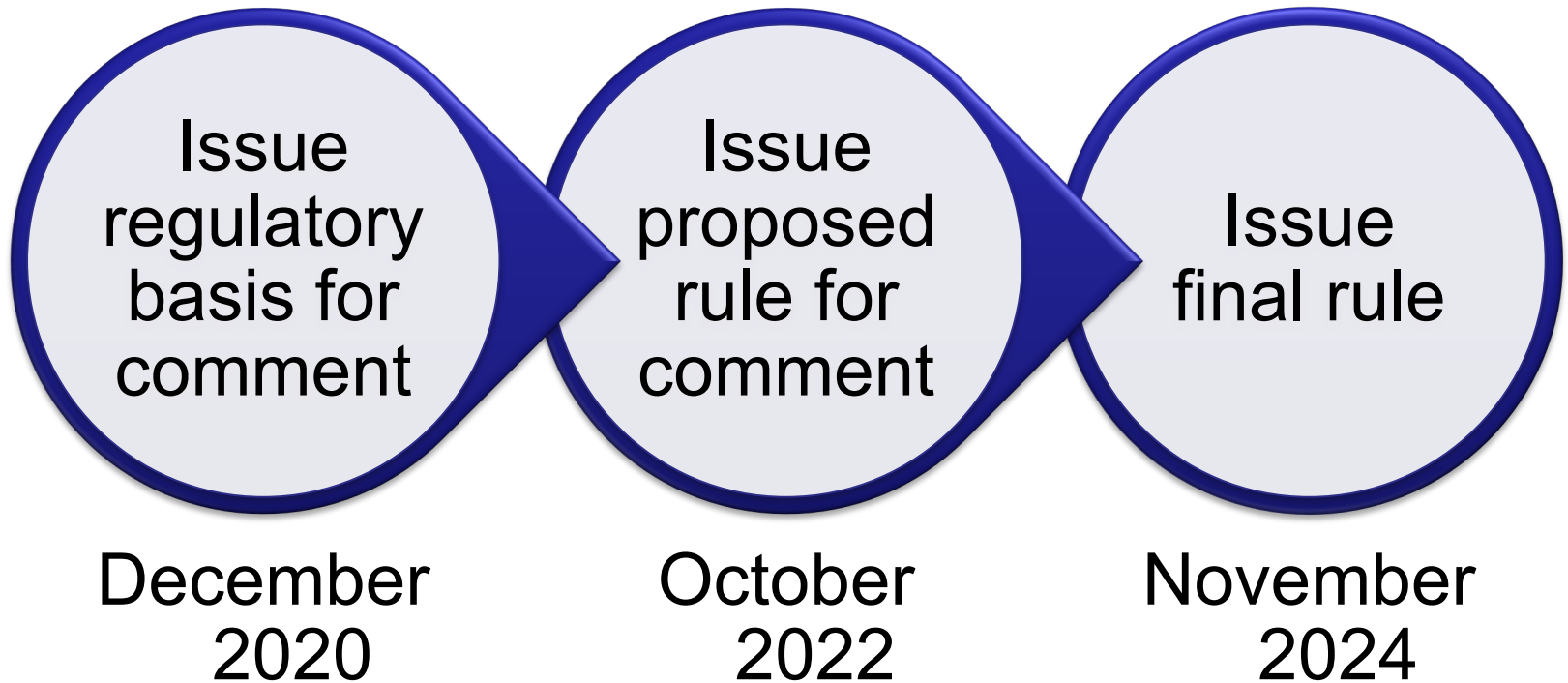
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- Finalize and issue the regulatory basis for public comment
  - Hold public meeting during the comment period.
  - Consider comments received on the regulatory basis during the proposed rule phase
- Plan for additional public meeting(s) during the proposed rule phase



# Rulemaking Schedule

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# Contact Information



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# How Did We Do?

- Link to NRC Public Meeting Feedback form:



<https://www.nrc.gov/pmns/mtg?do=details&Code=20191133>

# How to Stay Informed and Involved

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- The meeting materials and meeting summary will be posted soon
- Search [regulations.gov](http://regulations.gov) on the docket ID NRC-2009-0196

# SUPPORTING INFORMATION

# References

<u>Document Title</u>	ADAMS Accession Number/ FR Citation
Transcript of the Advisory Committee on Reactor Safeguards Regulatory Policies & Practices-Part 50 52 Meeting - September 20, 2019.	<a href="#">ML19294A009</a>
SECY-19-0084, "Status of Rulemaking to Align Licensing Processes and Lessons Learned from New Reactor Licensing (RIN 3150-AI66)"	<a href="#">ML19161A169</a>
SECY-19-0034, "Improving Design Certification Content"	<a href="#">ML19080A034</a>
"Summary of January 15, 2019 Public Meeting to Discuss the Proposed Rulemaking to Align the Regulations in Parts 50 and 52 to Address Updates to the Licensing Processes and Lessons Learned for Future New Reactor Applications,"	<a href="#">ML19023A046</a>
SECY-15-0002, "Proposed Updates of Licensing Policies, Rules and Guidance for Future New Reactor Applications"	<a href="#">ML13277A420</a>
SRM-SECY-15-002, "Staff Requirements-SECY-15-002-Proposed Updates of Licensing Policies, Rules and Guidance for Future New Reactor Applications"	<a href="#">ML15266A023</a>
"Policy Statement on Severe Reactor Accidents Regarding Future Designs and Existing Plants"	<a href="#">50 FR 32138</a>
SECY-89-013, "Design Requirements Related to the Evolutionary Advanced Light Water Reactors," dated January 19, 1989	<a href="#">ML003707947</a>
SECY-90-016, "Evolutionary Light Water Reactor (LWR) Certification Issues and Their Relationship to Current Regulatory Requirements," dated January 12, 1990	<a href="#">ML003707849</a>
SECY-93-087, "Policy, Technical, and Licensing Issues Pertaining to Evolutionary and Advanced Light-Water Reactor (ALWR) Designs," dated April 2, 1993	<a href="#">ML003708021</a>
Bipartisan Policy Center Report Recommendations on the New Reactor Licensing Process	<a href="#">ML13059A240</a>

# Administrative Corrections

10 CFR	Description
§ 2.627	The references to § 2.617 in § 2.629(b) and § 52.83(b) should be to § 2.627.
Part 52 Appendices	Both the ABWR and System 80+ design certification final rules (Part 52, Appendices A and B, respectively) initially correctly referred to “ANSI/AISC N-690.” Both the AP600 and AP1000 design cert final rules (Appendices C and D, respectively) incorrectly stated ANSI/AISC-690 (omitting the “N”). 64 Fed. Reg. 72,002, 72,018; 71 Fed. Reg. 4,464, 4,481. Unfortunately, the NRC changed the ABWR and System 80+ references to match the AP600 and AP1000 references in the 2007 Part 52 rulemaking. Correct the reference in Appendices A-D by adding the “N” back into ANSI/AISC N-690
Part 52 Appendix D Section VI.B.6	Part 52, Appendix D, Section VI.B.6 reads “except as provided in paragraph VIII.B.5.f . . .” but the reference is incorrect. It should be “except as provided in paragraph VIII.B.5.g . . .” (rather than VIII.B.5.f).
Part 52 Appendix E Section VI.B.6	Part 52, Appendix E, Section VI.B.6 reads “except as provided in paragraph VIII.B.5.f . . .” but the reference is incorrect. It should be “except as provided in paragraph VIII.B.5.g . . .” (rather than VIII.B.5.f).
Part 50 Appendix J	Under Option B, Subsection IV. Recordkeeping, refers to § § 50.72 (b)(1)(ii) and § 50.72 (b)(2)(i). There is no § 50.72 (b)(1)(ii), only § 50.72 (b)(1). 10 CFR Part 50, Appendix J references 10 CFR Part 52 and 10 CFR 50.54(o) imposes Appendix J as a requirement.
§ 21.3, "Basic component"	Revise definition by deleting text in brackets as follows: “(2) When applied to standard design certifications [under subpart C of part 52 of this chapter] and standard design approvals under part 52 of this chapter, . . .”
§ 52.43(b)	Correct the following text in 10 CFR 52.43(b) which was not updated when SDAs were renamed to state: “Subpart E of this part governs the NRC staff review and approval of a <del>final</del> standard design.”
§ 52.79(c)(2)	Correct as follows: “all terms and conditions that have been included in the <del>final</del> standard design approval will be satisfied . . .”

# Acronyms

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ABWR	Advanced Boiling Water Reactor
ADAMS	Agencywide Documents Access and Management System
CFR	<i>Code of Federal Regulations</i>
COL	Combined License
CP	Construction Permit
DC	Design Certification
DCD	Design Certification Document
NEI	Nuclear Energy Institute
NRC	Nuclear Regulatory Commission
OL	Operating License
PRA	Probabilistic Risk Assessment
RB	Regulatory Basis
SOC	Statement of Considerations
SRP	Standard Review Plan
SRM	Staff Requirements Memorandum
TMI	Three Mile Island