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**ANS**  
RP3C CoP  
31 Jan 2025



# **WE WANT YOU**(r Input)

*Setting the stage for improving  
RIPB guidance in the  
RP3C Guidance Document*

**Steve Krahn – RP3C Chair**  
**Brandon Chisholm (he/him) – RP3C Vice Chair**



# Today's Topics

Discussion logistics

Goals and objectives

RP3C Guidance Document

Interactive conversation

Wrap-up

# Logistics for today's conversation

- We are very interested in gathering input from participants and stakeholders interested in implementation of RIPB approaches/attributes
- Your cooperation and patience is appreciated while we attempt to accommodate comments from as many folks as possible
- The chat function is always helpful, Brandon will direct traffic on the chat
  - If you **do not** desire to come off mute to comment, feel free to leave a text comment at any time. We will check the chat frequently and bring up your comment at a convenient moment to respond and/or identify if additional information is desired
  - If you **do** desire to come off mute to comment, it would be nice if you could provide some context for your comment in the chat (if possible)
- “Raised hands” will generally be addressed in chronological order, with the understanding that we will give priority to folks who have not yet had a chance to comment
- After this presentation, please feel free to reach out with additional comments via email:

[Steve.Krahn@Vanderbilt.edu](mailto:Steve.Krahn@Vanderbilt.edu) | [bmchisho@southernco.com](mailto:bmchisho@southernco.com)

# Current priorities for RP3C

*Website:* <https://www.ans.org/standards/rp3c/>

- The Risk-informed, Performance-based Principles and Policy Committee (RP3C) is responsible for the identification and oversight of the development and implementation of RIPB approaches in ANS standards.
- These principles are applicable to standards that address a variety of areas for nuclear facilities, including:

<i>Design</i>	<i>Construction</i>
<i>Analysis</i>	<i>Waste Management</i>
<i>Operations</i>	<i>Environmental Restoration</i>

- Activities for training and knowledge sharing concerning RIPB principles and practices are part of the scope.

## Near-term priorities include:

- Improve understanding of definitions of key terms related to RIPB principles, methods, and approaches
- Improve involvement / interactions within the ANS Standards Committee and standards working groups
- Improve involvement / interactions external to the ANS Standards Committee

# RP3C Guidance Document & Training

- Guidance Document originally approved for Interim Trial Use on 11 June 2019
- A revision to the Guidance Document (also for Interim Trial Use) was approved and issued on 28 March 2022
- Guidance Document training currently available in two parts:
  - Part I – RIPB Guidance Document Training (Overview): Presentation
  - Part II – RIPB Guidance Document Training (Application of Guide): Video Recording
- The RP3C Community of Practice (CoP) offers an opportunity to garner input from organizations, efforts, individuals, and examples pertaining to efficient and effective implementation of RIPB approaches/attributes—and socialize new ideas

Website: <https://www.ans.org/standards/rp3c/>

## RP3C Documents

Year	Documents
2024	<ul style="list-style-type: none"><li>▪ <a href="#">June Minutes</a></li><li>▪ <a href="#">RP3C Charter</a></li></ul>
2023	<ul style="list-style-type: none"><li>▪ <a href="#">November Minutes</a></li><li>▪ <a href="#">June Minutes</a></li><li>▪ <a href="#">RIPB Guidance Document Training Presentation (Part 2) April 27, 2023</a></li></ul>
2022	<ul style="list-style-type: none"><li>▪ <a href="#">November Minutes</a></li><li>▪ <a href="#">June Minutes</a></li><li>▪ <a href="#">RIPB Guidance Document Training Presentation (Part 1) September 29, 2022</a> -Presentation Recording</li><li>▪ <a href="#">Incorporating Risk-Informed and Performance-Based Approaches/Attributes in ANS Standards (for trial use)</a></li></ul>
2021	<ul style="list-style-type: none"><li>▪ <a href="#">December Minutes</a></li></ul>

# “Meat” of the RP3C Guidance Document

Section / Appendix	Content	Intended to be used if you...
Section 4	Process for utilizing RP3C to support incorporation of RIPB approaches	Are developing a standard and would like to know how RP3C can help
Section 5	Objectives of RIPB standards	Would like to know what RIPB can do for your standard
Section 6	RIPB attributes and approaches	Would like to know the building blocks for an RIPB standard
Appendix A	Roles and responsibilities of ANS RP3C	Would like to know what specific activities folks should be doing to support RIPB standards
Appendix B	Background information on RIPB attributes and discussion of RIPB approaches in 10 CFR 50.65 (“Maintenance Rule”)	Would like to know how the NRC thinks about RIPB approaches and how these concepts show up in the Maintenance Rule
Appendix C	Simple example of RIPB elements and attributes	Would benefit from an example created to illustrate the basic concepts of an RIPB standard
Appendix D	Examples of RIPB attributes in ANS Standards	Want to see RIPB examples from the ANS universe
Appendix E	Frequently Asked Questions (FAQs)	Have a question that may have already occurred to others

# Thoughts & questions to foster discussion

## *Potential Guidance Document (GD) improvements:*

- Refine definitions of key terms for clarity
- Expand examples to enhance understanding
- Additional focus on “performance-based”

## *What are elements of an improved approach for revising the GD?*

- Who might be interested and informed stakeholders?
- How can we best leverage the RP3C CoP?
- Update/revision to training after update to Guidance Document?

*Proposal: Series of CoP sessions on how different SDOs think about and incorporate RIPB elements into standards?*

- Compliments ARCSC for RIPB approaches
- Opportunity for RP3C to gather ideas for GD, training, and/or other initiatives
- DOE, NRC, ASME, IEEE, ISO, IEC, ... ?



Questions?  
Comments?  
Input?  
Suggestions?

# Wrapping up

RP3C wants to continue to support ANS Standards development

- The Guidance Document is a key product

ANS is not the only SDO leveraging RIPB approaches/attributes

- We appreciate the sharing & learning within the CoP

Some future CoP sessions will highlight other SDOs

- Please volunteer if you are interested!

We appreciate the discussion today and look forward to more

- Stay tuned for other exciting news in the RIPB world!



## Please Note!

The February CoP session will be at a different time than usual

Friday, 28 Feb 2025

*2p - 3p ET*

*Reminders will be sent out closer to the session (as usual)*



Thank you

Steve Krahn - RP3C Chair

[Steve.Krahn@vanderbilt.edu](mailto:Steve.Krahn@vanderbilt.edu)

Brandon Chisholm - Vice Chair

[bmchisho@southernco.com](mailto:bmchisho@southernco.com)