

**From:** [Andrukat, Dennis](#)  
**To:** [YOUNG, David](#); [AUSTGEN, Kati](#)  
**Cc:** [Valliere, Nanette](#); [Lee, Pete](#); [Berrios, Ilka](#)  
**Subject:** NRC Comments on NEI's Summary table showing key attributes for eligibility criteria | Advanced Reactor Security rulemaking  
**Date:** Wednesday, April 28, 2021 1:03:00 PM  
**Attachments:** [NRC mark-up of NEI's ARPS Rule Eligibility Criteria Attribute Summary Table.pdf](#)

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Hi David,

Project: Alternative Physical Security Requirements for Advanced Reactors rulemaking and the development of its implementation guidance

We appreciate the opportunity to provide any additional clarification on the topic discussed below.

Thank you for sharing the table outlining NEI's understanding of the key attributes associated with each of the eligibility criteria for the Alternative Physical Security Requirements for Advanced Reactors Rulemaking. This information was a helpful addition to the discussions we had during the April 21, 2021 public meeting on the draft guidance NEI is developing for that rulemaking in NEI 20-05, "Methodological Approach and Considerations for a Technical Analysis to Demonstrate Compliance with the Performance Eligibility Criteria of 10 CFR 73.55(a)(7)."

A markup of the table is attached showing that the Staff suggests removing the first two "target set" rows which are viewed as unnecessary and not consistent with the objective of the remaining rows to provide information about how to perform an analysis to demonstrate that a facility meets one of the eligibility criteria.

The rulemaking working group has reviewed the table and concluded that, although some items in the table represent a different view of the criteria than NRC staff had previously held, we have no technical objection to the interpretation represented by the NEI table as it would lead to an outcome that is equally protective of public health and safety.

We look forward to the submittal of the next draft of NEI 20-05 for NRC review.

Sincerely,  
Dennis

Dennis Andrukat  
Rulemaking Project Manager  
US NRC

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**From:** YOUNG, David <[dly@nei.org](mailto:dly@nei.org)>  
**Sent:** Wednesday, April 21, 2021 12:57 PM  
**To:** Valliere, Nanette <[Nanette.Valliere@nrc.gov](mailto:Nanette.Valliere@nrc.gov)>  
**Cc:** Andrukat, Dennis <[Dennis.Andrukat@nrc.gov](mailto:Dennis.Andrukat@nrc.gov)>; Lee, Pete <[Pete.Lee@nrc.gov](mailto:Pete.Lee@nrc.gov)>; Helton, Shana <[Shana.Helton@nrc.gov](mailto:Shana.Helton@nrc.gov)>

**Subject:** [External\_Sender] Summary table showing key attributes for eligibility criteria

**Importance:** High

Nan,

Good afternoon.

As discussed during the meeting this morning, the attached table shows our understanding of the key attributes associated with each of the eligibility criteria. I ask that your folks review the table and then let me know if we're aligned in our understanding or if adjustments are needed. Given my commitment to get you the guidance in time to support the near-term rulemaking schedule milestones, I request a timely review and return of staff feedback. Any method of providing the feedback is fine with me – telephone call, email or meeting.

**David Young** | *Technical Advisor*  
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## ARPS Rule – Eligibility Criteria Attribute Summary Table

Attributes	Eligibility Criterion		
	§ 73.55(a)(7)(i)(A)	§ 73.55(a)(7)(i)(B)	§ 73.55(a)(7)(i)(C)
<b>Facility Possesses a Target Set (see definition below)?</b>	No	Yes	Yes
<b>Facility Possesses an Achievable Target Set (see definition below)?</b>	N/A	No	Yes
<b>Credit engineered safety and security features described in licensing basis?</b>	Yes	Yes	Yes
<b>Credit on-shift operator actions to prevent or mitigate consequences?</b>	No	Yes	Yes
<b>Credit post-facility recovery actions to prevent or mitigate consequences?</b>	No	No	Yes
<b>How is release timing and magnitude determined?</b>	Analysis assumes DBT attack starts at T=0 and determines subsequent SSC failures	Analysis assumes DBT attack starts at T=0 and determines subsequent SSC failures	Analysis assumes DBT attack starts at T=0 and determines subsequent SSC failures
<b>Credit physical and chemical processes that prevent or mitigate consequences?</b>	Yes	Yes	Yes

A “target set” is the minimum combination of equipment or operator actions which, if all are prevented from performing their intended safety function or prevented from being accomplished, within the ability of the DBT, would result in offsite doses greater than the reference values in §§ 50.34(a)(1)(ii)(D) and 52.79(a)(1)(vi).

An “achievable target set” means a target set that is within the ability of the DBT to compromise, destroy, or render nonfunctional, absent actions by an onsite armed response force.