

LICENSING FUSION DEVICES

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CURRENT FRAMEWORK

STATE

NRC



**ELECTRONIC
SOURCES**



**RADIOACTIVE
MATERIAL**

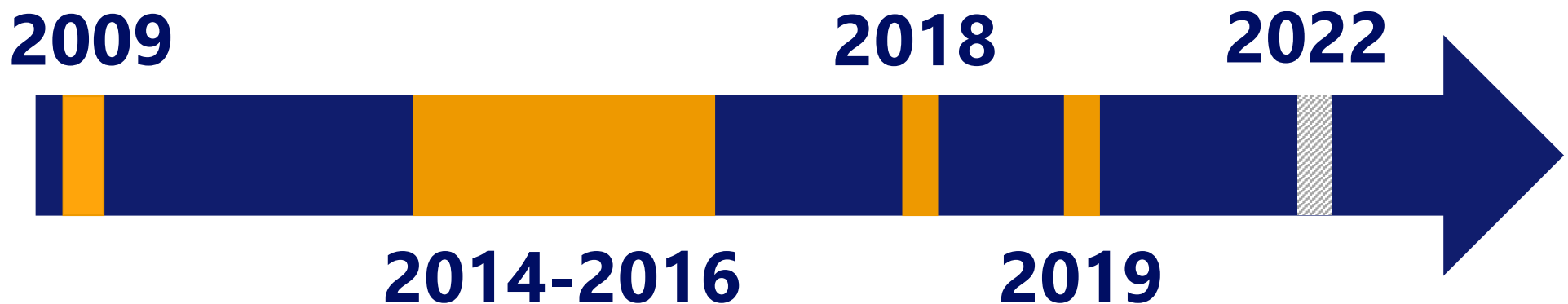


**SPECIAL NUCLEAR
MATERIAL**

WISCONSIN FUSION LICENSING

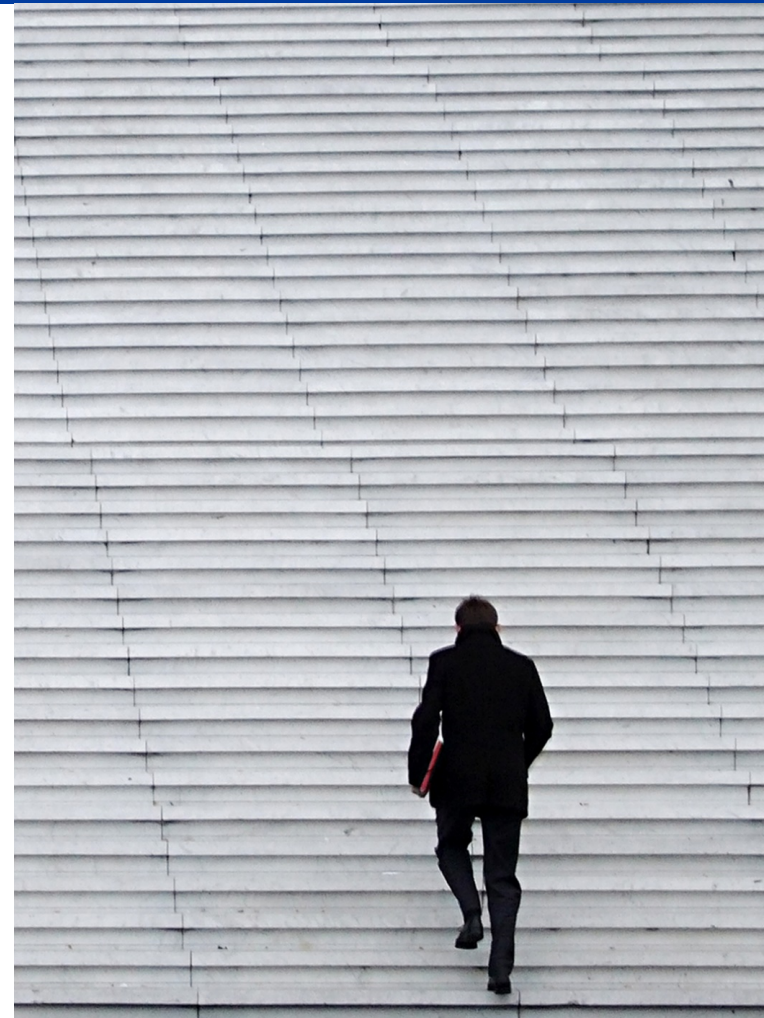
Wisconsin has licensed fusion devices since 2009.

- Accelerator Permit
- Radioactive Materials License



SOLVABLE CHALLENGES

- Training
- Lack of licensing guidance
- Environmental monitoring
- Credible accident scenarios
- Limited rule exemptions



BOUNDARY OF PART 30?

- Jurisdictional certainty
- Thoughtful, practical definitions
- Accommodate State regulatory experience



- Provides scalable and risk-informed framework that is currently working to license fusion technology
- Includes needed regulatory mechanisms
- Allows solutions to observed challenges

Lessons learned from current fusion applications will inform future licensing efforts.