Accident Tolerant Fuel Readiness

Regulatory Information Conference Session W11

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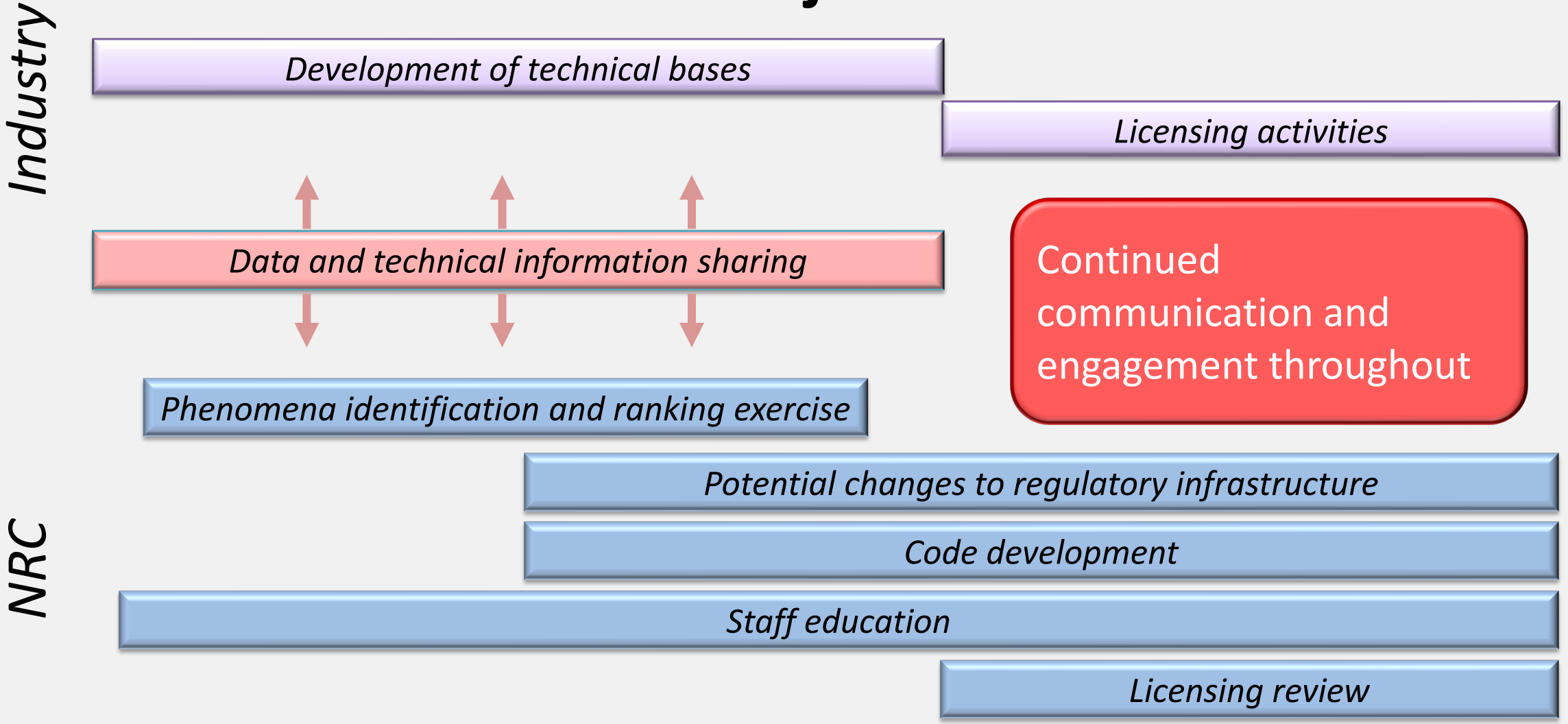
What Is Accident Tolerant Fuel (ATF)?

Improves performance during normal operation, anticipated operational occurrences, and loss of coolant and other accidents

Reduces the cost of electricity over the lifetime of operating reactors

ATF Project Plan



Recent NRC Accomplishments

SECY-21-0109: "Rulemaking Plan on Use of Increased Enrichment of Conventional and Accident Tolerant Fuel Designs for Light-Water Reactors"

ATF Project Plan, Version 1.2

Research Information Letter 2021-13, "Interpretation of Research on Fuel Fragmentation, Relocation, and Dispersal at High Burnup"

Communication to industry: "Scheduling Expectations Regarding the Licensing of Accident Tolerant, Increased Enrichment, and Higher Burnup Fuels"

Numerous workshops and stakeholder engagement throughout the last year

Additional ATF Information

Contact: Accident_Tolerant_Fuel@nrc.gov

Web Site: www.nrc.gov/reactors/atf.html

Additional References:

- SECY-21-0109, "Rulemaking Plan on Use of Increased Enrichment of Conventional and Accident Tolerant Fuel Designs for Light-Water Reactors": ADAMS Package Accession No. ML21232A232
- ATF Project Plan, Version 1.2: ADAMS Package Accession No. ML21243A296
- Research Information Letter 2021-13, "Interpretation of Research on Fuel Fragmentation, Relocation, and Dispersal at High Burnup": ADAMS Accession No. ML21313A145
- Communication to Industry, "Scheduling Expectations Regarding the Licensing of Accident Tolerant, Increased Enrichment, and Higher Burnup Fuels": ADAMS Accession No. ML22003A168