

How can we achieve that a NOAK (nth-of-a-kind) plant to be built for the first time in a given country still reaps the benefits of a NOAK instead of becoming a FOAK (first-of-a-kind) because it has to be adapted to this country's specific requirements and regulations?

Françoise De Bois,, VP Nuclear Safety & Licensing, Reactors & Services, AREVA

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Reaping NOAK benefits

Etc.



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requirements and regulations?



Design
Safety demonstration
Supply chain management
Construction & Project execution
Project management
Project organization
Etc.

Site requirements Regulatory framework Licensing Steps Regulatory Body expectations Laws

Licensing angle: specific provisions to reap the full benefits of a series

Regulatory Body

Licensee

Vendor



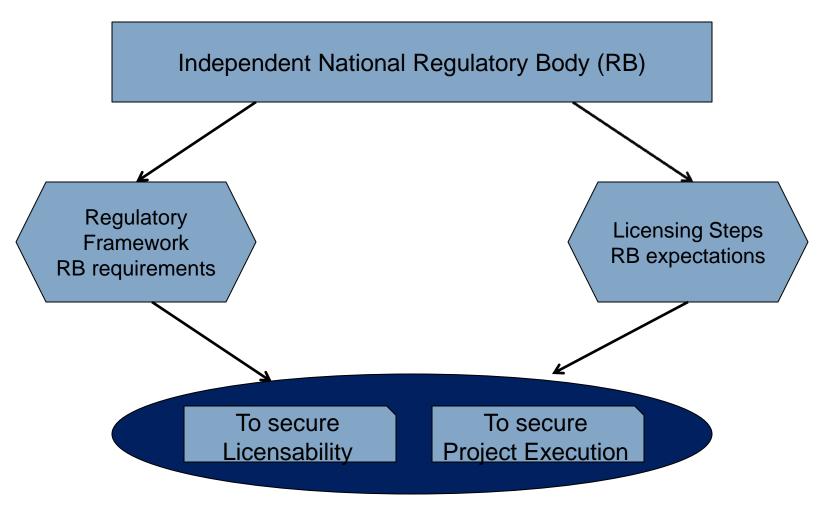
Licensing process fundamentals 1/2

- Regulating nuclear and radiation safety is a national responsibility
- Regulatory bodies have to be independent bodies
- Every regulatory body is unique

Licensing process is a major and essential project driver



Licensing process fundamentals 2/2





What is the part of the Regulatory Body?

- The Regulatory Body should:
 - Present the 1) up to date, 2) comprehensive, and 3) written regulatory framework.
 - Present the Licensing Steps, including scope and extent of surveillance, acceptance criteria, hold points and clarity on the use of the licensing results of the country of origin and/or of the Reference Plant
 - Explain their decision making process
 - Review and comment the "Licensing Plan" prepared by the Licensee and the Vendor
 - In case of change of the regulatory requirements, declare it as soon as possible. and recognize it is an evolution (to avoid "licensing creep")
 - Use metrics to communicate on Licensing earned value



Predictability and stability of the regulatory system are key



What is the part of the Licensee?

- ▶ The Licensee should:
 - Have a "NOAK attitude" and avoid additional non site-specific or non regulatory requirements
 - Take advantage of the Vendor's licensing experience in other countries
 - Cascade all regulatory requirements, steps and needs in its requests
 - Clearly define / assign licensing tasks and responsibilities for each party
 - Include the Vendor in the exchanges with the Regulatory Body to ease mutual understanding
 - Recognize the importance of the licensing tasks and their impact on the project time schedule from the very beginning
 - Prepare the "Licensing Plan" with the Vendor



A "NOAK attitude" from the Licensee is key



What is the part of the Vendor?

- ► The Vendor should:
 - Always have a "Regulatory Body-focus" attitude
 - Identify and bridge differences of understanding between each country's licensing approach
 - Advise the Licensee accordingly
 - Recognize the possible need to adapt some of the processes, the architecture and contents of some deliverables to meet regulatory requirements and / or ease licensing
 - Prepare the "Licensing Plan" with the Licensee



The capacity of the Vendor to adapt and meet other country's requirements is key



Key Take Aways

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