



The AFCEN Strategic Plan: 2021 – 2025



- ✓ **Our Mission:** Develop and provide codes and reference documents offering accurate and practical rules for the design, construction and in-service inspection
- ✓ **Our Ambition:** reference nuclear codes in Europe, chosen around the world for their guarantee of safety and their effectiveness in standardizing industrial practices and building on feedback
- ✓ **Our core values:** Expertise, Collaboration, Accountability



To AFCEN, being industrial means :

- Making nuclear safety a priority and industrial performance a goal
 - Offer industrial solutions the Safety Authorities can trust

- Aiming for performance and efficiency :
 - Propose graded requirements
 - Deliver explicit and accessible codes
 - Highlight the gain for all the stakeholders
 - Enable the introduction of innovations

- Meeting the needs of projects and industry manufacturers :
 - Take into account the feedback from field experience over time
 - Select practices supported by standards (European and ISO) and applicable by industry manufacturers
 - Strengthen the stability and reliability of projects by standardizing industrial practices



➤ Editorial policy for codes

- To develop and update, at a pace shared by stakeholders, a set of consistent rules, shared with industry manufacturers, proven and optimized to ensure compliance with nuclear safety requirements and regulations.

➤ Interaction with stakeholders: major projects, operators and authorities

- To be recognized by prospects and European regulators, to support projects (choice of code editions, etc.) and operators.

➤ Support and foster proficiency in the codes

- To develop knowledge and proficiency in the codes, disseminate good practices to ensure the adoption of the content of codes by all users, from the owner or architect engineer to all tiers of suppliers.

➤ Supported by a Resources plan



Main actions :

- An editorial policy :
 - to define the content and pace of development for each code
 - that defines objectives relating to the structure of codes, the statement of requirements, the coverage of technical topics
- An experience feedback loop based on :
 - The participation of key business experts,
 - Experience feedback meetings with the Clients (including projects) and industry manufacturers,
 - An experience feedback loop embedded in the subcommittee processes.
- Rules for drafting codes inspired by Requirements Engineering
- Modification Sheets guarantying that the solutions proposed by the codes are endorsed by industry manufacturers and compliant with the regulations.



Main actions :

- Increase influence in Europe and the world (China in particular)
- Interact with authorities to increase recognition of codes
- Support major projects: AFCEN tools to strengthen control and stability of the project technical reference basis :
 - Guarantee the forward compatibility of successive editions
 - Provide tools to justify the stability of the project technical reference basis
- Support the French SMR project in choosing AFCEN :
 - Respond to the need for codification of the project, build an international offer
- Provide guidance to operators



Main actions :

➤ Assimilation and evaluation :

- Develop self-assessment guide and guides to assess the proficiency of suppliers in the RCC-M and RCC-E codes, as part of the supplier qualification process.

➤ Assist with the use of codes in the course of a contract :

- Provide specialised training and support for all stakeholders: client, manufacturer, authorities.
- Expand the AFCEN-certified training catalogue.

➤ Responsiveness in project support :

- Improve organization to provide quick responses (3 months currently, target one week) to code Interpretation Requests (IRs) to keep up with the pace of the projects.



Resources :

- Increase memberships among companies bringing key experts
- Give credit for the time spent within AFCEN in an expert's career
- Build a stronger presence of industry experts in the working groups of each subcommittee
- Experiment with the production of Modification Sheets by Chinese experts, for selected topics of the RCC-M code in the “design”, “materials” and “technology and manufacturing” working groups.