

NOTE TO USERS

This document constitutes the 2017 edition of the RSE-M.

The new text and changes with respect to the 2016 edition of the RSE-M are identified by a vertical line in the margin. Subsections that have been completely redrafted are indicated by a double vertical line next to the heading in question. The summary table of MS and amended paragraphs in this introduction shows the extent of the changes.

This update includes changes made by modification sheets 254 to 275.

Changes made in this new edition are particularly concerned with:

BINDER I:

- **A 1700:** Inclusion of a new chapter on layup of secondary system components (steam generators in particular), especially chemical specifications for layup.
- **B 1200 and B 8510:** Clarification of the MSS boundaries.
- **B 4000:** Harmonization of paragraphs in B 4000 which call for a manual liquid penetrant examination technique as part of the 'defense in depth' principle (hypothetical defects), with RCC-M MC 4000.
- **B 4800 and B 4900:** Creation of both chapters B 4800 (examination of piping in the MPS and the MSS) and B 4900 (overall examination of the MPS), considering the evolutions of chapter B 4900 since 2015 and in accordance with the actual practices.
- **B 6312 d):** The results from an ISP capsule undergo further processing to establish the shift in RT_{ndt} when the difference between the measured values ΔT_{K7} and $\Delta T_{0,9}$ is greater than 8°C.
- **B 9000:** Creation of a chapter specific to Pre-Service Inspection, which is neither a periodic requalification nor a periodic inspection and update of the text.

BINDER II:

- **Appendix 1.1:** Addition of definitions.
- **Appendix 1.3:** Update of the designated edition for RCC-M; addition of AFCEN Technical Publications.
- **Appendix 1.4:** Update of references to be consistent with RCC-M's evolutions.
- **Appendix 1.8:** Suppression of the appendix.
- **Appendix 1.9:** Suppression of the appendix.
- **Appendix 4.3:** Clarification of the existing definition of "essential parameter": reference to "main parameter" removed and details added in order to enhance on-site monitoring of essential parameters.
- **Appendix 4.4:** Complete updating of subsections II and III of Appendix 4.4 on Eddy Current examination of steam generator tubes to take the new probes (STT) into account and provide a better description of the operating procedures and the acoustic emission examination during the MPS hydraulic proof test.