

NOTE TO USERS

This document constitutes the 2018 edition of the RSE-M.

The new text and changes with respect to the 2017 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 276 to 288.

Changes made in this new edition are particularly concerned with:

BINDER I:

- Restructuring of Sections A, B, C and D to create Sub-sections 7000 concerning the installation, integration and implantation of nuclear pressure component.
- **A 1200**: this paragraph concerning the scope of the RSE-M and the structure of the entire Code now includes definitions of the MPS (CPP) and the MSS (CSP) (previously in B 1220, B 1230 and B 1240), and any information required to determine the pressure equipment category
- **A 1300**: defines the terminology for the principal terms used in the RSE-M; other definitions are included in the glossary in Appendix 1.1
- **A 1400**: covers quality and document-related requirements (previously in A 9000 and A 1800) and the responsibilities of the various users
- **A 1500**: covers requirements relating to marking (previously in A 8400)
- **A 4000**: consistency and relationship between the general and specific rules, applications which are or are not subject to qualification, clarification of the historical recording thresholds UT, RT, PT.
- **A 4320**: recast of the conventional qualification objectives (conventional target defect of the semi-elliptical notch type)
- **A 8120**: addition of base limits to be used for justification purposes.
- **B 4100**: clarifications concerning the introductory paragraph on inspections on Class 1 components
- **B 8200**: incorporation of PTAN RS.17.022
- **B 8400**: incorporation of PTAN RS.18.007
- **B 8500**: corrected links to the text and tables
- **C 3300**: updated in line with changes in current practice
- **C 8000**: incorporation of PTAN RS.16.009, RS.18.006, RS.16.010.
- **Section D**: requirements updated in line with current practice and changes in the French regulations concerning in-service surveillance of conventional pressure equipment

BINDER II:

- **Appendix 1.1:** definitions added, removed or updated.
- **Appendix 1.3:** updates to documents required by the RSE-M, with the addition of available RSE-M criteria for information
- **Appendix 1.4:** inclusion of installation operations.
- **Appendix 1.6:** updated in line with technical publications and changes to the French regulations
- **Appendix 1.8:** addition of an appendix to define the applicable provisions in accordance with Section III of the Order of 12/30/2015 and the implementing rules for Appendices ZZ and ZY of the RCC-M for operations covered by the RSE-M
- **Appendix 4.3:** updated methods for various examination techniques to incorporate the new conventional qualification objective (notches).
- **Appendix 5.4:**
 - ✓ clarifications concerning the scope of the J_S method, CLC option for surface-breaking circumferential defects in straight pipes
 - ✓ additional information to explain the relationships between K_{el} and J_{el} for the different configurations of the forms in Appendix 5.4 and changes to ensure that the value of E^* is consistent in the specifications, removal of ELB-CTR type defects from option 3 of the k_{th} method.
- **Appendix 5.5:** Clarification concerning the value of E^* to be considered when calculating K_{Jc} from the $J_{0.2}$ characteristic, especially for the configurations covered in Appendix 5.4.
- **Appendix 7.1:** this appendix was created to define the implementing rules for Section U, Section V, Appendices U Y and V Y and Appendices U Z and V Z of the RCC-M for installation, integration and layout operations when constructing a new BNI
- **Appendix 8.2:** Updated qualification methods for an NDT repair application.
- **Appendix 8.3:** This appendix was created to provide users of RSE-M B 8200 with the AFCEN classification for RCC-M modification sheets.

All users of the RSE-M Code may submit modification or interpretation requests by completing the forms available on www.afcen.com. Once completed, these forms may be sent electronically via the site www.afcen.com, by mail or rse-m@afcen.com or by post to the Technical Secretariat (Secrétaire Technique RSE-M, EDF-DI, 2 rue Ampère, 93206 St Denis Cedex 1), which will pass these on to the authors. A reply will be sent to the requestor in all cases.