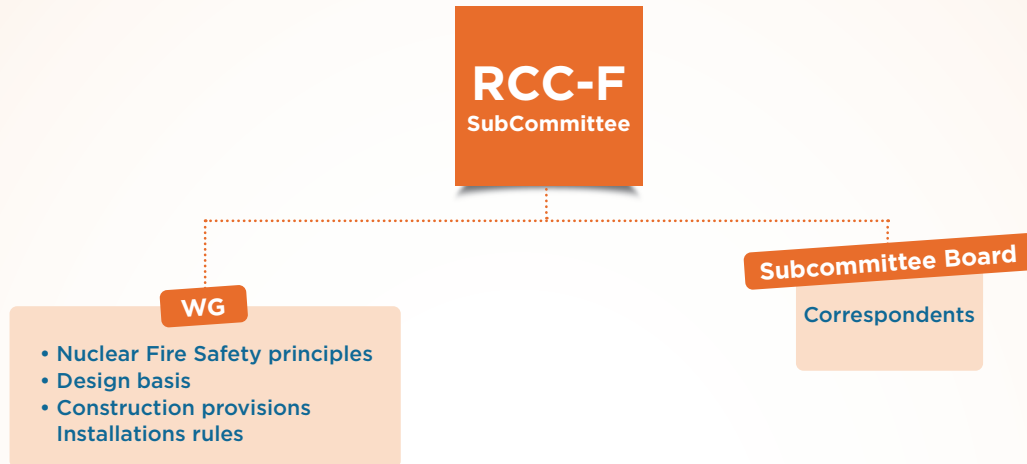


About AFCEN Subcommittee RCC-F

Design and Construction Rules for Fire protection

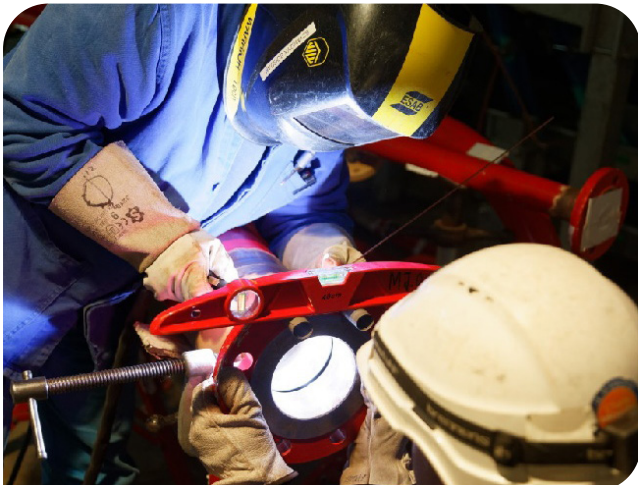


RCC-F Workforce

- More than 20 experts participate in the Working Group
- Active Chinese Group (CSUG)

Available Editions

- **ETC-F 2010:** First AFCEN version
- **ETC-F 2013:** French and UK Appendices
- **RCC-F 2017:** Generic PWR version
- **RCC-F 2020:** Up-dates, technical improvements and complements



RCC-F FIRE PROTECTION

Future Developments

Key issues

PREPARING RCC-F 2023:

- **Feedback from EPR fleet and projects** (France (EPR2), French TSO, UK, China)
- **Additions:** requirement engineering, regulation and standards up-dates, continuous technical improvements

A 2000	GENERAL POINT
A 2100	Objective of the RCC-F
A 2110	General Objective
A 2120	Nuclear Safety Principles
A 2200	Applicability of the RCC-F
A 2300	Definitions
A 5000	QUALITY ASSURANCE
B 1000	GUIDELINE OF NUCLEAR SAFETY PRINCIPLES
B 1100	Main Safety Objectives
B 1200	Design Nuclear Safety Requirements and Analysis Rules
B 1300	Application of Random Failure Principle
B 1400	Fire and Events
C 1000	FIRE PROTECTION DESIGN BASIS
C 1100	Prevention of Fire Start
C 1200	Quick Detection and Extinction
C 1300	Limitation of Aggravation and Propagation
D 1000	CONSTRUCTION PROVISIONS
D 1100	Prevention
D 1200	Fire Containing
D 1300	Building Arrangement for Evacuation and Intervention
D 1400	Smoke Protection Control and Exhaust System
D 1500	Emergency Lighting and Fire Signage
D 1600	Provisions for the Disabled
E 1000	RULES FOR INSTALLING THE FIRE PROTECTION COMPONENTS AND EQUIPMENT
E 1100	Production Components and Equipment
E 1200	Fire Protection Equipment

RCC-F Overview

- APPENDIX A (FRANCE):** regulations, codes and standards
- APPENDIX A (UK):** regulations, codes and standards
- APPENDIX B:** seismic qualification – EPR FA3 example
- APPENDIX C:** commissioning and periodic tests
- APPENDIX D:** installation provisions for fire-resistant cable wraps
- APPENDIX E:** installation provisions for the fire-resistant cases
- APPENDIX G:** Fire Hazard Analysis

Subcommittee Board

- Bernard GAUTIER**
CHAIRMAN, INTERNATIONAL CORRESPONDENT
- Thierry FAVIER**
GROUP LEADER AND REGULATORY WATCH CORRESPONDENT
- Dorian THOUROUDE**
CEA REPRESENTATIVE
- Mickaël CESBRON**
TRAINING, QUALITY AND TRANSLATION CORRESPONDENT



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