

SESSION FORMATION  
GÉNIE CIVIL  
GÉNIE CIVIL POUR LE NUCLÉAIRE

RÉF: 0731-07

## AFCEN nuclear codes for Civil Works (ETC-C and RCC-CW) : general introduction

### ➤ EN BREF

RCC-CW codes are published by AFCEN.  
RCC-CW codes (Rules for design and construction of PWR nuclear civil works) are used to design and build the civil structures of nuclear power plants.  
RCC-CW was published in 2010 and 2012 as ETC-C for EPR nuclear power plant.  
The most recent RCC-CW editions (2015 to 2019) can be applied to PWR projects.  
This training session explains the objectives and the applicability of a nuclear code for civil works and give an overview of the content of the RCC-CW.

The course is delivered in English.

### ➤ CETTE FORMATION S'ADRESSE À

Senior Civil Engineer, Structural Engineer or Project Manager who intend to work on a nuclear project and who want to understand the purpose of a nuclear code for civil works and who want to have an overview of its content.

### ➤ PRÉ-REQUIS

**Pre-requisites : This one day training "general introduction" is recommended to attend ETC-C and RCC-CW "design" and "construction" courses.**

### OBJECTIFS

The purpose of this 1-day training course is to introduce and outline the AFCEN RCC-CW codes.

### ➤ INFORMATIONS PRATIQUES

Date : le 28 septembre 2021 - Durée : 1 jour (7 heures)  
Tarif : 960,00 € HT + TVA (Déjeuner inclus)  
Lieu : France Paris

### ➤ COORDINATION

Alexandre BOULE, Ingénieur Matériaux de Génie Civil, EDF – DIPNN Dir Industrielle

## PROGRAMME DÉTAILLÉ ET HORAIRES

### MARDI 28 SEPTEMBRE

#### 9h00

Alexandre BOULE (Sous réserve), EDF DIPNN Dir.  
*Indust.*  
Introduction to the training session  
Around the table

#### 9h30

Claude DUVAL (Sous réserve), EDF DIPNN Dir.  
*Indust.*  
Presentation of AFCEN :  
- organization, members  
- AFCEN CW codes and publications

#### 10h30

Jean-François SIDANER (Sous réserve), Consultant  
General introduction to the RCC-CW/ETC  
- main objectives and relevant structures  
- the 3 parts  
- links with the safety report  
- differences with traditional codes  
- others codes (ASMES, etc...)

### MARDI 28 SEPTEMBRE

#### 13h30

Alexis COURTOIS (Sous réserve), EDF DIPNN Dir.  
*Tech.*  
Design and Design extension

#### 14h30

Alexandre BOULE (Sous réserve)  
Construction part :  
- geotechnical part  
- concrete  
- reinforcement and prestressing system  
- joints, concrete pipes

#### 15h45

Claude DUVAL (Sous réserve)  
Metal part :  
- anchorages, steel liners

Fin de la journée à 17h00