

## OPERA

*Illustration on 1300MWe PWR<sup>1</sup>*

*Training path: SYSTEMA/ ELECTRA/ PHYSICA/ OPERA*

Duration: 5 days (35 hours)

Language: French – English

Participants: 08 – 12

Location: Paris, other location on request

Level: Expert

Contact: [formation.reacteurs@framatome.com](mailto:formation.reacteurs@framatome.com)

### You are:

An engineer or technician with a basic knowledge on 1300MWe PWR (including systems and physics of accidents) and willing to increase his knowledge of the post-accidental behavior  
A design engineer or an engineer of safety and radiation protection, a trainer or an operator

### Prerequisites:

Basic knowledge of 1300MWe PWR main systems and physic of accidents

### During the training you will:

- Study the device of state approached post-accidental operation
- Apply post-accident operating procedures on Simulator

### After the training, you will be able to:

- Identify the principles of post-accident state approach of 1300MWe PWR
- Analyze the different approaches used to control accidental and crisis situations

### Course strengths:

- Involvement of specialists and experts
- Knowledge sharing
- Use of simulator

### Program

Theoretical learning

- Post-accidental operation introduction
- Generic principles operation presentation
- State diagnosis and operation strategies
- Operation strategies presentation
- Design specificity of 1300MWe PWR impacting post accidental operation
- Operation computerized MMI<sup>2</sup>

Application on simulator

- Generic principles operation presentation application
- Operation rules application
- Introduction and operating procedure for STGR<sup>3</sup>
- Function management loss of support
- Practical exercises - Crisis exercises

<sup>1</sup> Pressurized Water Reactor

<sup>2</sup> Man Machine Interface

<sup>3</sup> Steam Generator Tube Rupture