

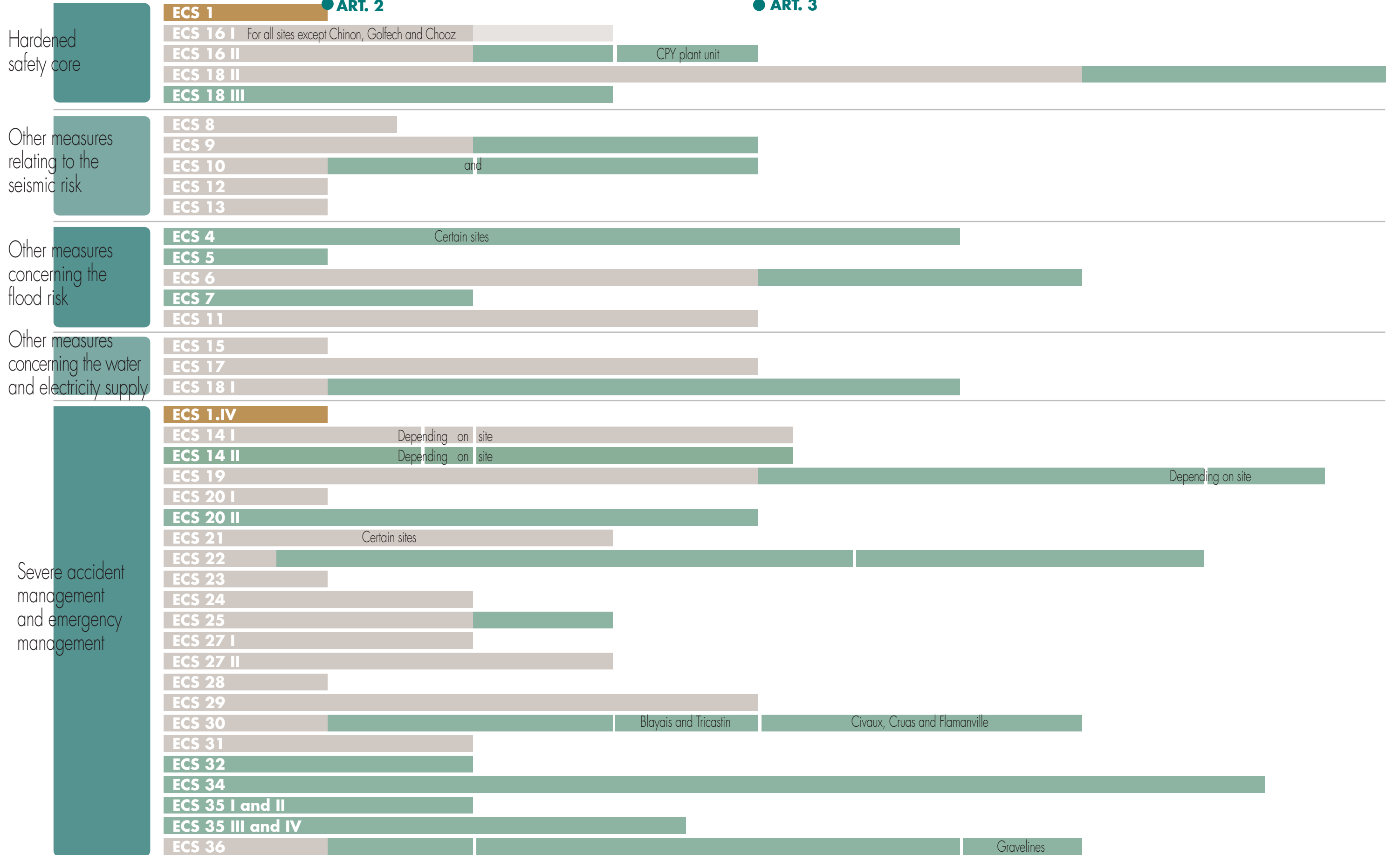


# Stress tests

## Schedule of works to be performed by EDF

■ file  
■ studies  
■ deployment / implementation

2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018



<b>Art.2 :</b>	Implementation schedule for all the measures
<b>Art.3 :</b>	Interim assessment of lessons learned from the accident
<b>ECS - 1:</b>	Defining the structures and components of the "hardened safety core", including the emergency management premises Defining the requirements applicable to this hardened safety core Hardened safety core based on diversified structures and components
<b>ECS - 4:</b>	End of the Blayais experience feedback (REX) work
<b>ECS - 5:</b>	Conformity of the volumetric protection
<b>ECS - 6:</b>	Reinforcement of protection against flooding, above the current safety baseline
<b>ECS - 7:</b>	Measures to cope with site isolation in the event of flooding (Cruas, Tricastin)
<b>ECS - 8:</b>	Conformity of seismic instrumentation with RFS1.3.b
<b>ECS - 9:</b>	Reinforcement of the seismic interaction approach
<b>ECS - 10:</b>	Reinforcement of team preparation in the event of an earthquake
<b>ECS - 11:</b>	Robustness of the Fessenheim and Tricastin embankments
<b>ECS - 12:</b>	Verification of the seismic design basis of the fire-fighting system
<b>ECS - 13:</b>	Study of the implementation of automatic shutdown in the event of an earthquake
<b>ECS - 14.I:</b>	Integration of industrial risks in extreme situations
<b>ECS - 14.II:</b>	Coordination with neighbouring industrial operators in the event of an emergency
<b>ECS - 15:</b>	Heat sink design review
<b>ECS - 16.I:</b>	Emergency water make up system
<b>ECS - 16.II:</b>	Emergency water make-up in the reactor coolant system, for shutdown states
<b>ECS - 17:</b>	Reinforcement of the facilities to manage long lasting situations of total loss of heat sink or total loss of electrical power supplies
<b>ECS - 18.I:</b>	Reinforcement of battery autonomy
<b>ECS - 18.II:</b>	Ultimate backup diesel generator sets
<b>ECS - 18.III:</b>	Installation of provisional emergency generator sets
<b>ECS - 19:</b>	Redundancy of instrumentation for detecting reactor vessel melt-through and hydrogen in containment
<b>ECS - 20:</b>	Reinforcement of pool condition instrumentation
<b>ECS - 21:</b>	Additional measures to prevent or mitigate the consequences of a fuel transport package falling in the fuel building Studies of the consequences of a package falling in the fuel building
<b>ECS - 22:</b>	Reinforcement of the measures to prevent accidental rapid draining of the pools
<b>ECS - 23:</b>	Placing a fuel assembly in safe position during handling
<b>ECS - 24:</b>	Thermohydraulic development of a pool accident
<b>ECS - 25:</b>	Reinforcement of the provisions for managing a transfer tube leak
<b>ECS - 27.I:</b>	Study of the feasibility of installing a geotechnical containment or a system with the same effect
<b>ECS - 27.II:</b>	Updating of the hydrogeological sheets
<b>ECS - 28:</b>	EPR - Reinforcement of the provisions for managing the pressure in the containment
<b>ECS - 29:</b>	Reinforcement of the U5 venting-filtration system ("sand-bed filter")
<b>ECS - 30:</b>	Designing the emergency premises to withstand earthquakes and flooding
<b>ECS - 31:</b>	Modifications to ensure facility management further to releases
<b>ECS - 32:</b>	Multiple plant unit emergency organisation
<b>ECS - 34:</b>	Updating of agreements with hospitals
<b>ECS - 35. I and II:</b>	Feasibility of emergency management actions in extreme situations
<b>ECS - 35. III and IV:</b>	Accident management training
<b>ECS - 36:</b>	FARN (Nuclear rapid intervention force)