

Contribution ID: 365

Type: Overview Poster

## Implementation within the European Domestic Agency of the French nuclear safety Order of 2012, concerning Basic Nuclear Installation, applicable to ITER Project.

Monday, 17 October 2016 14:00 (4h 45m)

The ITER project is being undertaken at Cadarache, France, to construct and operate an experimental nuclear fusion facility. The aim of this paper is the description of the implementation of the French Order of February 7, 2012, concerning Nuclear Installation (called Installation Nuclear de Base, INB) in France within the European Domestic Agency (EU-DA). For protection of Public Safety, Health and Salubrity, and of Nature and Environment, the French order (INB Order 07/02/2012) establishes general rules relating to the Design, Construction, Operation, Final shutdown, Dismantling, Surveillance and Maintenance of Nuclear facilities during their full life cycle.

The INB Order applies namely to the operator (ITER Organisation) and involves the whole supply chain. The EU-DA, as a tier 1 supplier, has duties regarding the compliance with the requirements propagated from the INB Order, mainly the dispositions to be propagated from the nuclear operator to the chain of suppliers performing Protection Important Activities (PIA), called external interveners in the INB order, in the contracts. Among other nuclear regulations in force in France, presently encoded in the French Environemental Code as, the Nuclear Pressurized Equipment regulation (ESPN), the INB Order addresses domains where the EU-DA shall play a prime role in providing to the nuclear operator reliable evidences and sound demonstration in organisation and responsibilities, nuclear safety demonstration, traceability, validation of methods, qualifications, calculations and modelling, …

The EU-DA applies a Requirements Management and Verification (RMV) process in order to track, control and verify all technical requirements applicable to ITER components under the EU-DA responsibility. This process is applied to the nuclear safety defined requirements in a way that allows all defined requirements on ITER components to be recorded and controlled at all the different levels of the supply chain in a systematic way.

Finally the communication performed within the EU-DA organization and the supply chain to continuously improve the nuclear safety culture, which is a first priority of the ITER project, will be presented.

## Paper Number

OV/P-11

## **Country or International Organization**

European Commission

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Session Classification: Overview Poster

Track Classification: OV - Overviews