



EPR COMMISSIONING

MDEP 3rd conference
Session 2 : commissioning activities

Bethesda 2014, May 14th and 15th



EPR COMMISSIONING

- 1. OPERATIONAL COMMISSIONING COORDINATION BETWEEN EPR PROJECTS**
- 2. SYNERGY AND CONVERGENCE WITH SAFETY AUTHORITIES**
- 3. EPR FAMILY EXPECTATIONS TOWARDS MDEP**

OPERATIONAL COMMISSIONING COORDINATION BETWEEN EPR PROJECTS

- EDF engaged in several EPR projects : FA3, TSN, HPC
- EDF leads the EPR Owner's Group: the EPR Family
 - EDF SA, EDF Energy NNB, TNPJVC, TVO with privileged interaction with AREVA



- EPR family develops synergies and series effects between EPR projects
 - Sharing safety and licensing issues and lessons learned
 - Sharing construction experience and best practices with a real experience feedback to the projects
 - Preparing for commissioning and operation



OPERATIONAL COMMISSIONING COORDINATION BETWEEN EPR PROJECTS

- **EPR commissioning has started and is growing in parallel on the 3 sites with close exchanges and mutual support between the projects :**
 - FA3 : Circuits tests in progress, Nuclear Circuits Cleanliness scheduled in May 2015
 - TSN1 : NCC done, Cold Functional Tests scheduled next October
 - OL3 : Containment Tightness Test done last February
- **Under the EPR Family supervision, effective interactions between the commissioning teams are settled through an active network, joint teams and cooperative agreements:**
 - Organization, schedule and resources
 - Sharing commissioning risk analysis, tests results, difficulties encountered
 - Addressing specific commissioning issues
 - Allowing cross-seconding engineers
 - Developing adequate responses and solutions
- **Interacting with the MDEP commissioning EPRWG**
Shenzhen (China) in May 2013, Paris (France) in November 2013



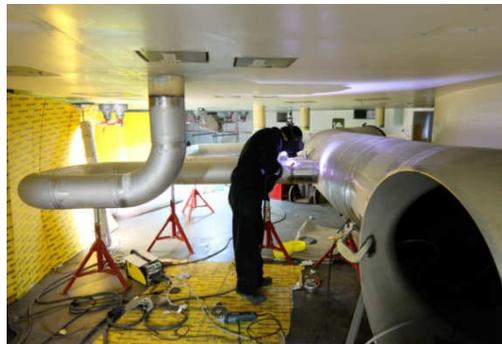
SYNERGY AND CONVERGENCE WITH SAFETY AUTHORITIES

- The commissioning program developed in line with EPR family requirements strongly rely on EDF and CGN fleets commissioning experience feedback. FA3 & TSN commissioning experience feedback will naturally be used for next EPR projects
 - Convergence of view exists on FA3 & TSN projects between TNPJVC, EDF and the Chinese and French authorities
- MDEP should built his own approach to enhance synergy and convergence of view on commissioning topics



EPR FAMILY EXPECTATIONS TOWARDS MDEP

- **Stable regulators requirements framework needed**
 - ASN requirements link to commissioning activities up to fuel loading notified to EDF give a guarantee of stability on FA3 project risks analysis and on FA3 commissioning program
 - A common MDEP members position is expected, this would facilitate EPR sites mutual commissioning preparation
- **EPR family promotes the use of First Plant Only Tests results of the EPR 1st-unit to all other EPR units**
 - EDF & EPR family invite MDEP to adopt this principle



THANK YOU FOR YOUR ATTENTION!

