### Questionnaire C:

**Inspection of the SSCs current design basis**

Country: …………………………

**NOTES**

Only one response per country is required. If more than one person from your country is participating, please co-ordinate the responses accordingly.

Submittals should be sent by e-mail to [luc.chanial@oecd.org](mailto:luc.chanial@oecd.org?subject=14th%20International%20Nuclear%20Regulatory%20Inspection%20Workshop%20-%20Questionnaire%20C:%20Inspection%20of%20the%20SSCs%20Current%20Design%20Basis) by 11 February 2018.

**FOREWORD**

The range of conditions and events taken explicitly into account in the design of a facility is known as the design basis [IAEA (NS-G-2.10)]. The regulatory body (RB) may carry out inspections of facilities and activities to verify that the current configurations of and functions performed by safety systems, structures and components (SSCs) will meet the requirements to withstand current design basis conditions and events. Over the lifetime of a facility, the performance of SSCs may change as new technology and new processes are introduced. The licensee may aim to secure improved safety and performance by introducing new components, systems and upgrades. It is the responsibility of the regulatory body to assure that safety is not jeopardised as a result of those decisions.

This workshop topic will focus on the methods, procedures and criteria used by RBs to inspect the design basis of NPP SSCs and will aim to identify relevant commendable inspection practices.

This workshop topic excludes physical security.

**QUESTIONNAIRE**

For the preparation of the workshop, participants are invited to supply their national inspection approaches used according to the following questionnaire:

1. **Purpose and objectives of design basis inspections** 
   1. Does your RB undertake inspections that are specifically aimed at confirming that SSCs meet the current design basis? Describe the reasons for undertaking a design basis inspection?
   2. How often are design basis inspections required to be undertaken? Describe the basis for inspection frequency.
   3. If your RB does not undertake specific design basis inspections, is this work incorporated in other inspection programmes? Please provide details.
   4. Does your RB use design basis inspection in the periodic safety review (PSR) or license renewal process? Please provide details.
2. **Management of current design basis inspections**
   1. Describe the resources required/deployed to undertake a current design basis inspection (inspection team number, technical specialists – external and/or internal, hours, etc.)?
   2. Describe the type of information requested/supplied by the licensee to support the inspection. When is this information required/supplied?
   3. Describe how supply chain issues may be linked to current design basis inspection?
   4. Describe the scope of a current design basis inspection (e.g. SSCs, equipment configuration, maintenance, plant modification, safety limits/plant parameters, etc.).
   5. Is there a graded approach used to select SSCs for inclusion in the inspection programme? If yes please specify how the graded approach is applied.
   6. Describe how human performance is included in current design basis inspection (e.g. licensee training and qualification programme, operating instructions, etc.)
3. **Performance of current design basis inspections**
   1. Describe your RB guidelines/procedures for inspection of the current design basis.
   2. What methods of inspection are used (e.g. document review, interview, plant walk down, testing and maintenance observation, etc.) and under what circumstances?
   3. How does your RB use technical specialists (e.g. for preparation, during the inspection, reviewing the inspection findings, etc.)?
   4. Describe if there are specific processes for recording and acting upon current design basis inspection findings to improve your regulatory program and plant safety.
4. **What issue WOULD you like to discuss during the Workshop?**