## IRA/2/016\_Task 5.5.1 EM: Development of selected training scenarios for severe accidents in FSS

## Introductory Meeting

## 23 August 2022

The meeting was conducted virtually via MS Teams to discuss the preparations and initial arrangements for the implementation of the Task 5.5.1: Expert Mission on the Development of Selected Training Scenarios for Severe Accidents in FSS. This task is part of the IAEA TC project IRA2016.

Participants to the meeting:

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| **Bushehr NPP** | **IAEA** |
|  | Mr Martin Gajdos (TO) |
|  | Ms Lin Yang (PMO) |
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The results of the meeting are summarised as follows:

**Information provided by the Bushehr NPP**

* Information on current status of implementation of severe accident management programme at the Bushehr NPP was provided. The Emergency Operating Procedures (DBA and BDBA) and Severe Accident Management Guidelines (SAMGs) are being developed by the contractor for Bushehr NPP. The documentation package is developed, findings from V&V are being implemented.
* Bushehr NPP FSS is being currently modernized to extent its simulation capabilities to cover SA modelling as well.
* Bushehr NPP training centre has well established process for developing training scenarios at FSS utilizing event-oriented procedures. Tabletop method is used as necessary as an alternative approach for training scenarios’ development.

**Discussed and agreed topics**

* Expectations by Bushehr NPP representatives on the topics to be covered during the EM:
	+ What are the main challenges to be addressed in simulator training when transferring from event-based procedures to symptom-based procedures and guidelines?
	+ What is the approach to be used for the development of training scenarios when symptom based EOPs and SAMGs are in place?
	+ What becomes different for instructors? What becomes different from trainees?
	+ What is the recommended approach to be utilized for the use of FSS for CR operator training when symptom-based procedures and guidelines are used?
	+ What is the experience in Member States? What is the estimated share of Member States that have implemented symptom based EOPs and SAMGs?
	+ What changes shall be made to the training programme of CR operators when symptom based EOPs and SAMGs have being implemented (considering there was no SAM programme in place before)?
	+ How shall the training for the TSC be defined? What is the typical scope and format?
	+ Topics presented shall be supported with the presentation of practical examples as appropriate.
* The total duration of the workshop will be agreed once the agenda is finalised, however, it was agreed that the EM will last from 3 to 5 working days.
* It was agreed as well that given the nature of the activity and the necessity to include simultaneous translations between English and Farsi, the maintain the effectivity of the workshop, it will be conducted in person in Iran (counterpart to define the venue of the EM).
* IAEA proposed the implementation date in Q1/2023.
* To support the preparations for the mission, IAEA TO explained that it is important to receive the description of the format and content of the EOP and SAMG package.

**Further actions**

* **End of August 2022: BNPP** to propose the date (month from Q1/2023 with proposed dates) and place of the EM in Iran.
* **End of October 2022: BNPP** to submit to the IAEA the description of the format and content of the EOP and SAMG package of the BNPP.
* **End of October 2022: IAEA** to submit draft Agenda of the EM for BNPP comments.
* **End of November 2022: IAEA** to identify and recruit suitable experts to support the EM implementation.