

## **3. Sessions for Obstacles**

### **Session 1 Ensuring Good PRA**

- What do PRA models/data, updated periodically, need for keeping their credibility? -

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- Risk-Informed Decision-Making: Benefits and Obstacles -

# Session 1 Ensuring Good PRA

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## ➤ Background

- In the past, foreign experts pointed out problems regarding PRA models, such as the underestimated frequency of core damage for the internal event PRA model and the lack of domestic component failure rate data.
- After the accident at the Fukushima Dai-ichi Nuclear Power Station, the PRA model was improved through the industry efforts led by the NRRC. The pilot plant was reviewed by foreign experts. As a result, the level of the PRA model is approaching the overseas example levels. In addition, the knowledge gained from these improvements is being shared with other operators.
- In addition, the PRA model for the safety importance determination process in nuclear regulatory inspections (internal events) has also been improved, and the NRA is gradually confirming the appropriateness of the PRA model for each restart plant.

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## ➤ Recognition of the issue and the purpose of the session

- While the domestic PRA model is reaching a level of “state-of-the-practice” that can be compared to international practices, the reputation of Japanese PSAs in the past has not been dispelled.
- We will explore the issues and obstacles to “gaining confidence in the reliability of PRA” to expand the scope of risk information applications.

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## ➤ Session structure

- a. Introduction (Chair) : 5 min
- b-1. Enhancement of PRA at Ikata Unit 3 - Enhancement of PRA and Transition of CDF -  
Akihiko Kagawa (Shikoku EPCO) :20 min
- b-2. PRA Reliability Data in Japan  
Tomoaki Yoshida (NRRC):20 min
- b-3. Current Status of Confirming the Appropriateness of the Licensees' PRA  
Models and the Expectations of the Regulatory Side  
Kenji Yonebayashi (NRA) : 20 min
- c. Q&A and Discussion for Presentations in b. :50 min