

## Summary of 2nd Technical Conference

1. Date : September, 26, 2014 (Fri) 10:00AM ~ 1:00PM
2. Place: Otemachi Headquater, Central Research Institute of Electric Power Industry (CRIEPI)

### 3. Participants:

Chair: Yokoo (CRIEPI)

Members: Maki (Hokkaido EPCO), Wakabayashi (Tohoku EPCO, substitute for Masuko), Igarashi, Kawamura (Tokyo EPCO), Masuda, Nakamura (substitute for Hattori) (Chubu EPCO), Takahashi (Hokuriku EPCO), Ohishi, Suzuki (Kansai EPCO), Yamamoto (Chugoku EPCO, substitute for Iwasaki), Yamada (Shikoku EPCO), Mada (Kyushu EPCO, substitute for Okano), Takeno (JAPC substitute for Ishizaka), Takahashi (JNFL, substitute for Ohgaki), Shizuma (J-Power), Nakada (Toshiba, substitute for Iikura), Konno (Hitachi GE), Saji (MHI), Kurata (JANSI), Shimeno, Zama, Sakai, Ueda, Kanatani (CRIEPI)

NRRC Executives (to be appointed on Oct. 1): Apostolakis, Yokoyama, Omoto  
Chair of NRRC's Technical Advisory Committee (to be appointed on Oct.1): Stetkar

### 4. Proceedings

At the beginning, the chair introduced new members from Chubu EPCO and Kansai EPCO, who are in charge of civil engineering and construction division. And the chair introduced the attendance of Dr. Apostolakis, Mr. Yokoyama, and Dr. Omoto as executives of NRRC, and also Mr. Stetkar as the chair of Technical Advisory Committee.

#### (1) Dialogue with Dr. Aposolakis

Dr. Apostolakis, as the head of NRRC, stated his aspiration, and the draft of NRRC's mission, vision, and short-term goal. After viewing the materials about outline of the implementation status of PRA utilization in electric utilities, plant manufacturers, and JANSI, there was a dialogue with Dr. Apostolakis and the conference members.

(Essential remarks of Dr. Apostolakis)

- It is essential to understand what is “risk-informed” decision making, not “risk-based.” Utilities’ decision is not only based on the results of PRA, but also on other various information, such as legal requirements and the uncertainties of PRA results.
- NRRC is not just doing studies, but produce analytical studies which help decision making of utilities. Therefore, I would like to hear what issues utilities are facing, and going to face in the future.

(Remarks of the industry members)

- We agree with the mission, vision, and short-term goal of NRRC. We also expect to see long-term goal of NRRC in due course.
- Taking new countermeasures to reduce risk may generate another risk. So it is important to consider risks in the whole system.

(2)Activities to start up NRRC

- The NRRC preparatory team reported the draft of research plans developed by Risk Assessment working group (WG1) and External Natural Event working group (WG2).
- Additional research items in FY2014 were proposed and admitted.
- The preparatory team reported the schedule and procedures to establish NRRC.

(Remarks of the industry members)

- The draft of research plan provided by WG1 is acceptable. When utilities will apply PRA in actual site, utilities will have to keep in mind the assumptions and conditions incorporated in the PRA. We expect the research results to help site personnel to adequately utilize PRA.
- We expect to have knowledge on non-linear behavior of the ground and buildings to furnish the method of fragility assessment. This is one of the focused issues in WG2.