



**Naval Nuclear Laboratory  
PO Box 79, West Mifflin, PA 15122**

**SUBJECT:** Report on Foreign Travel to 2023 ICSBEP/IRPhEP/SINBAD-TF Meeting  
**DATE:** August 14, 2023  
**TO:** Dr. Angela Chambers, Nuclear Criticality Safety Program Manager, National Nuclear Security Administration / NA-ESH-21  
**FROM:** Michael L. Zerkle

**MEETING TITLE:** 2023 ICSBEP/IRPhEP/SINBAD-TF Meeting

**MEETING LOCATION:** OECD/NEA HQ, Paris, France

**MEETING DATES:** April 3-7, 2023

**ATTENDEES ON BEHALF OF NCSP:**  
Michael L. Zerkle

**MEETING PURPOSE:**

This was the first in person meeting of the ICSBEP, IRPhEP, and SINBAD Task Force (SINBAD-TF) since the COVID-19 pandemic and focused on kicking off the restructured leadership for the ICSBEP and IRPhEP Technical Review Groups. A SINBAD-TF was also held on Monday, April 3 in parallel with the IRPhEP Meeting. Dr. Zerkle attended the following meetings:  
April 3, IRPhEP Meeting  
April 4, Joint ICSBEP, IRPhEP, SINBAD-TF Meeting  
April 5-7, ICSBEP Meeting

The IRPhEP meeting focused on planning for future benchmarks to be submitted to the IRPhEP Handbook. The joint meeting focused on coordination on format and uncertainty guide updates. The ICSBEP meeting focused on review of the 10 new benchmarks submitted for inclusion in the ICSBEP Handbook.

**MEETING BENEFITS TO THE NCSP:**

The ICSBEP Handbook is the primary resource used to validate nuclear criticality safety analysis methods. New benchmark evaluations are reviewed at the annual ICSBEP meetings and approved for inclusion in the ICSBEP Handbook. NCSP is the primary source of new benchmarks and sponsor for technical leadership on this important international project. Participation on the SINBAD-TF and IRPhEP is also of interest as they are alternate opportunities to develop benchmarks useful in validating nuclear data.

**PURPOSE OF TRAVEL**

To participate in the 2023 ICSBEP, IRPhEP, and SINBAD-TF Meetings.

**Persons Contacted at Paris, France**

Mr. Ian Hill, OECD/NEA (ICSBEP & IRPhEP Secretariat)  
Dr. Oliver Bus, OECD/NEA (SINBAD-TF Secretariat)



**Presentations, Chair Responsibilities, Etc.:**

Senior US TRG Member on ICSBEP, IRPhEP, and SINBAD-TF.

**Distribution:**

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