

**MEMORANDUM OF COOPERATION
ON
EMERGENCY PREPAREDNESS AND INCIDENT RESPONSE COORDINATION
BETWEEN
THE UNITED STATES NUCLEAR REGULATORY COMMISSION
AND
THE INSTITUT DE RADIOPROTECTION ET DE SÛRETÉ NUCLÉAIRE OF FRANCE**

The United States Nuclear Regulatory Commission (USNRC) and the Institut de Radioprotection et de Sûreté Nucléaire (IRSN), hereinafter referred to as the Participants;

Recognizing the Arrangement between the United States Nuclear Regulatory Commission and the Institut De Radioprotection Et De Sûreté Nucléaire of France for the Exchange of Technical Information and Cooperation in the Field of Nuclear Safety Research (the Arrangement), finalized on June 20, 2017, for five years; and

Recognizing that this Arrangement is consistent with IRSN duties regarding the French National Response Plan for Major Nuclear or Radiological Accidents; and

Having a mutual interest in cooperation in the field of emergency preparedness and incident response, the USNRC Office of Nuclear Security and Incident Response (NSIR) and the IRSN are committed to continuing their collaboration as follows:

Section 1. Purpose

The purpose of this Memorandum is to document the continued sharing of information related to emergency preparedness and incident response. The USNRC and IRSN emergency response organizations maintain established general principles for continued response coordination and supplementing capabilities in the event of a nuclear or radiological incident. These principles are:

- establishing both organizations as supporting technical reviewers of the other's key assessment and prognosis tools and protocols, as appropriate;
- collaborating on technical assessment products for international event response through the International Atomic Energy Agency (IAEA); and
- supporting and enhancing information sharing mechanisms prior to response as not to detract either organization from mission-related response priorities.

Section 2. Bilateral Exchanges

With respect to emergency preparedness, the Participants intend to build an understanding of one another's organizational objectives and assessment methodologies. To this end, the Participants intend to cooperate as follows:

- Conduct periodic Technical Exchange meetings whereby the Participants conduct exercises to simulate the technical assessment and prognosis processes, followed by the comparison of assessment results; and,
- Provide opportunities to observe each other's exercises periodically. This serves as an opportunity to observe firsthand the assessment and prognosis methodology of the organization in real time, and the processes used to exchange information with response stakeholders. It also allows for the practice of technical exchanges between the two agencies.

With respect to response, these efforts may focus on a dynamic information exchange related to plant conditions and integration of the activities of the USNRC and the IRSN with existing IAEA processes. As the USNRC and the IRSN are international leaders in assessment and prognosis of a nuclear or radiological event, there exists an opportunity to provide collaborative analysis to the IAEA while ensuring that existing IAEA mission processes are maintained. To support response phase collaboration, the USNRC and the IRSN intend to collaborate and share information during a response to a significant incident anywhere in the world, specifically focused on technical parameters and information to be shared with the IAEA.

Each Participant is to be solely responsible for its own costs in the implementation and administration of this Memorandum.

A Participant should endeavor to provide 30 days' advance notice to the other Participant of its intent to discontinue this Memorandum.

Signed in North Bethesda, Maryland, United States of America, on this 13th day of March 2019, in duplicate, in the English language.

FOR THE UNITED STATES
NUCLEAR REGULATORY
COMMISSION:



Brian Holian
Director, Office of Nuclear Security
and Incident Response

FOR THE INSTITUT DE
RADIOPROTECTION ET DE SÛRETÉ
NUCLÉAIRE:



Jean-Christophe Niel
Director General