

Training Modules

Inspections:

- Oversight Inspections
- Research and Test Reactor (RTR) Inspections
- RTR Inspections & Inspector Qualification Programs

Regulatory Reviews

- Regulatory & Licensing Considerations for Small Modular Reactors (SMRs)
- RTR Regulations
- USNRC Licensing Process
- Safety Analysis Report Review
- Environmental Reviews for Nuclear Power Plants (NPPs)
- Siting Application Review for NPPs
- Reactor Construction Permit Application Review for NPPs
- Power Uprate Review for NPPs
- Changing the License and Licensing Basis
- Probabilistic Risk Assessment

Safety Management and Fundamentals

- Fundamentals of Reactor Regulation
- Fundamentals of Reactor Safety
- Nuclear Quality Assurance
- Overview of Computer Codes Used to Review License Applications
- Emergency Planning and Response for RTRs
- ASME Operation and Maintenance Code for NPPs

Special Topics

- Nuclear Executive Workshop



Eric Stahl

International Cooperation
& Assistance Branch Chief,
Office of International Programs
U.S. Nuclear Regulatory Commission
Eric.Stahl@nrc.gov

Steward Magruder

IRDP Program Director, AdSTM, Inc.
stewart.magruder@adstm.com

Sergey Katsenelenbogen

Vice President, AdSTM, Inc.
sergey.k@adstm.com

Dr. Charles Miller

Senior Reactor Safety Expert
Charles.Miller@adstm.com

1-301-287-9056

NRC-InternationalAssistance@nrc.gov
www.nrc.gov/about-nrc/international.html
www.irdp-online.org



IRDP

International Regulatory Development Partnership

The International Regulatory Development Partnership (IRDP) is a USNRC program that assists countries with new or expanding nuclear power and research reactor programs in their efforts to establish and maintain an effective nuclear safety and security regulatory authority.

Learn more at www.irdp-online.org

Bilateral Consulting

Regulatory Program:

In-Country Requirements & Guidance

- Collaborate with partner countries to develop a customized regulatory program, using USNRC best practices
- Technical requirements and guidance covering all phases of reactor oversight for nuclear power plants including small modular reactors, as well as research reactors
- Guidance on siting/environmental application reviews, licensing, inspections, regulatory oversight, and technical reviews & benchmarking
- Peer review of licensing submittals

Building the Regulator's Infrastructure:

- Organizational Structure
- Staffing and Training
- Staff Qualification Program
- Technical Support

Regulatory Development Strategy

- Strategy for creating and implementing a regulatory oversight program
- Guidance on regulatory reviews schedule and resource requirements

Phases of Oversight

Our staff of experienced nuclear professionals, consisting of former NRC managers, senior nuclear industry professionals, and academia, are highly qualified to provide expert leadership in each of the following phases:

1. Siting

2. Construction Permit

3. Construction

4. Operating License

5. Operation

6. Decommissioning

Cooperation and Engagement

The IRDP program helps regulatory bodies develop their national regulatory infrastructure and expertise. IRDP offers a unique opportunity to participate in an international collaborative program with the USNRC, focusing on developing or enhancing a country's nuclear regulatory agency's effectiveness, and promoting knowledge transfer on a wide range of regulatory topics. Training modules can be delivered in-person, via virtual platforms, or a hybrid approach of both delivery methods. The IRDP is a technology neutral program.

● Participating Country Regulators

- Armenia
- Chile
- Estonia
- Ghana
- Jordan
- Kenya
- Nigeria
- Peru
- Philippines
- Poland
- Romania
- Serbia
- Singapore
- South Africa
- Thailand
- Uruguay
- Vietnam

● Collaborating Agencies

Support for training and consultancy.

- US Department of State
- International Atomic Energy Agency (IAEA)

Support For Regional Networks

Africa

Forum of Nuclear Regulatory Bodies of Africa (FNRBA)

Middle East

Arab Network of Nuclear Regulators/
Arab Atomic Energy Agency (ANNuR/AAEA)

