

## Training Modules

### Inspections:

- Construction Inspections
- Vendor Inspections
- Research and Test Reactor (RTR) Inspections

### Regulatory Reviews

- USNRC Licensing Process
- How to Manage a Regulatory Review
- Safety Analysis Report Review
- Environmental Reviews for Nuclear Power Plants (NPPs)
- Site Application Review for NPPs
- Reactor Construction Permit Application Review for NPPs
- Power Uprate Review for NPPs
- Changing the License and Licensing Basis

### Regulatory Agency Infrastructure Development

- Nuclear Executive Workshop
- 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
- ASME Operation and Maintenance Code for NPPs

### Special Topics

- Regulatory & Licensing Considerations for Small Modular Reactors (SMRs)
- RTR Regulations
- RTR Inspections & Inspector Qualification Programs
- Emergency Planning and Response for RTRs



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**IRDP**

## International Regulatory Development Partnership

The International Regulatory Development Partnership (IRDP) is a U.S. Nuclear Regulatory Commission (USNRC) funded 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](http://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 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 member countries develop national regulatory infrastructure and expertise. The IRDP offers a unique opportunity to participate in an international collaborative program, focusing on enhancing a country's nuclear regulatory agency's effectiveness, and promoting knowledge transfer on a wide-range of regulatory topics.

During 2020-2021, IRDP transitioned to providing virtual support to partner country regulators and regional networks. Several training modules have been converted and are now delivered via virtual platforms. Similarly, all bilateral consultations have been provided virtually.

### Partner Country Regulators

- Armenia
- Chile
- Ghana
- Indonesia
- Jordan
- Kenya
- Malaysia
- Morocco
- Nigeria
- Peru
- Philippines
- Poland
- Romania
- South Africa
- Thailand
- Uruguay

### Support For Regional Networks

- Africa
  - Forum of Nuclear Regulatory Bodies of Africa (FNRA)
- Middle East
  - Arab Network of Nuclear Regulators/Arab Atomic Energy Agency (ANNuR/AAEA)
- Asia
  - Association of Southeast Asian Nations (ASEAN)
  - Asian Nuclear Safety Network (ANSN)

### Collaborating Agencies

Support for training and consultancy.

- US Department of State
- International Atomic Energy Agency (IAEA)
- Korea Institute of Nuclear Safety (KINS)

