

## Training Modules

### Nuclear Orientation

- Construction Inspections
- Construction and Vendor Inspections
- Vendor Inspections

### Regulatory Reviews

- USNRC Licensing Process
- How to Manage a Regulatory Review
- Safety Analysis Report Review
- Environmental Reviews for Nuclear Power Plants
- Site Application Review for Nuclear Power Plants
- Reactor Construction Permit Application Review
- Power Uprate Review for Nuclear Power Plants

### Regulatory Agency Infrastructure Development

- Nuclear Executive Workshop
- Probabilistic Risk Assessment

### Safety Management and Fundamentals

- Fundamentals of Reactor Regulation
- Fundamentals of Reactor Safety
- Fundamentals of Reactor Safety and Regulations
- Nuclear Quality Assurance
- Overview of Computer Codes Used to Review License Applications

### Practical Basics of Engineering Disciplines

- US Industry Codes and Standards
- ASME Operation and Maintenance Code for Nuclear Power Plants\*

### Special Topics

- Research and Test Reactors (RTR) Regulations
- RTR Inspections & Inspector Qualification Programs
- RTR On-the-Job Inspections Training
- Emergency Planning and Response for RTRs\*
- Small Modular Reactor Licensing

\* New for 2019



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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 & Research and Test Reactors (RTRs)
- Guidance on siting/environmental application reviews, licensing, inspections, regulatory oversight, and technical reviews & benchmarking
- Peer review of licensing submittals

#### Organizational Structure

- 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 program. 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.

### Partner Country Regulators

- Armenia (Armenian Nuclear Regulatory Agency/ANRA)
- Ghana (Ghana Nuclear Regulatory Agency/GNRA)
- Indonesia (Nuclear Energy Regulatory Agency of Indonesia/BAPETEN)
- Jordan (Energy and Minerals Regulatory Commission/EMRC)
- Kenya (Radiation Protection Board/RPB)
- Malaysia (Atomic Energy Licensing Board/AELB)
- Morocco (Moroccan Agency for Nuclear and Radiological Safety and Security/ AMSSNuR)
- Peru (Peruvian Institute of Nuclear Energy/IPEN)
- Philippines (Philippines Nuclear Research Institute/PNRI)
- Poland (National Atomic Energy Agency/PAA)
- Romania (National Commission for the Control of Nuclear Activities/ CNCAN)
- South Africa (National Nuclear Regulator/NNR)
- Thailand (Office of Atoms for Peace/OAP)
- Ukraine (State Nuclear Regulatory Inspectorate/SNRI)
- Uruguay (National Regulatory Authority of Radiation Protection/ARNR)

### 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)

### Collaborating Agencies

Support for training and consultancy.

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

#### Asia

- Association of Southeast Asian Nations (ASEAN)
- Asian Nuclear Safety Network (ANSN)

