VCDNP Intensive Short Course
“Safeguards for Policymakers: What You Need to Know”
20 – 24 February 2023

This course was made possible with the generous support of the Foreign Commonwealth and Development Office of the United Kingdom.

Day One – What Are IAEA Safeguards and How Have They Evolved?

08:30 – 09:00 Arrival at the VCDNP and Welcome Coffee
09:00 – 09:30 Opening Remarks
   Elena Sokova, Executive Director, VCDNP
   Noah Mayhew, Research Associate, VCDNP
   Karolina Mirbach, Office and Events Manager, VCDNP
   Kory Sylvester, Director, Division of Concepts and Planning, Department of Safeguards, IAEA
09:30 – 11:00 The Nuclear Fuel Cycle and the Dual-Use Dilemma
   Marc Humphrey, Team Leader, Analytical Services Team, Coordination and Support Section, Department of Safeguards, IAEA
11:00 – 11:15 Break
11:15 – 12:30 The International Atomic Energy Agency, the NPT and the Role of Safeguards
   Susan E. Pickett, Section Head, Safeguards Training, Department of Safeguards, IAEA
12:30 – 13:30 Lunch
13:30 – 15:00 IAEA Safeguards: A Journey Through Time
   Laura Rockwood, Senior Fellow, VCDNP
15:00 – 15:15 Break
15:15 – 16:30 Overview of Safeguards Implementation
   Djamel Tadjer, Senior Inspector for State Level Coordination, Department of Safeguards, IAEA
16:30 Participant Social
Day Two – How are Safeguards Implemented?

09:00 – 10:30  Additional Protocols and Small Quantities Protocols: Implications for the State
Laura Rockwood, Senior Fellow, VCDNP
Djamel Tadje, Senior Inspector for State Level Coordination, Department of Safeguards, IAEA

10:30 – 10:45  Break

10:45 – 12:00  The Nexus Between Safety, Security and Safeguards
Alberto Muti, Co-Director, Verification and Monitoring Programme, VERTIC

12:00 – 13:15  Lunch

13:15 – 14:45  Safeguards Legislation and Legislative Assistance
F. Elif Aksoy, Legal Officer, Non-Proliferation and Policy-Making Section, Office of Legal Affairs, IAEA
Cristian de Francia, Legal Officer, Non-Proliferation and Policy-Making Section, Office of Legal Affairs, IAEA
Alberto Muti, Co-Director, Verification and Monitoring Programme, VERTIC

14:45 – 15:00  Break

15:00 – 16:30  Safeguards Tools: A Verification Toolbox
Non-Destructive Assay, Inspector Kits, Environmental Sampling, Containment and Surveillance
Andrew Yeoh, Nuclear Safeguards Inspector, Department of Safeguards, IAEA
Open-Source Analysis
Malin Ardhannar, Senior Safeguards Analyst (Nuclear Trade), Section of State Factor Analysis, Division of Information Management, Department of Safeguards, IAEA
Satellite Imagery
Marc Lafitte, Section Head, Satellite Imagery Analysis Section, Division of Information Management, Department of Safeguards, IAEA
Day Three – How Does In-Field Verification Translate to Headquarters?

09:00 – 10:30  A Day in the Life of a Safeguards Inspector

    Patricia Musoke-Zawedde, Nuclear Safeguards Inspector, Department of Safeguards, IAEA

    Alois Tichy, Safeguards Training Officer, Safeguards Training Section, Division of Concepts and Planning, Department of Safeguards, IAEA

10:45  Depart for the Zwentendorf Nuclear Power Plant

12:00 – 15:00  Interactive Tour of the Zwentendorf Nuclear Power Plant

15:15  Return to the VCDNP

16:15 – 17:30  Drawing Safeguards Conclusions

    Susan E. Pickett, Section Head, Safeguards Training, Department of Safeguards, IAEA
Day Four – What is the Role of the State?

09:00 – 10:30  Case Studies in Safeguards Non-Compliance
   Laura Rockwood, Senior Fellow, VCDNP

10:30 – 10:45  Break

10:45 – 12:15  Panel Discussion on Lessons Learned from SRAs and SSACs
   Sylvester A. Birikorang, Nuclear Regulatory Authority (NRA), Ghana
   Hany Ibrahim Khedr Ibrahim, Egyptian Nuclear and Radiological Regulatory Authority (ENRRA), Egypt
   Elina Martikka, Radiation and Nuclear Safety Authority (STUK), Finland

12:15 – 13:30  Lunch

13:30 – 15:00  Trends in Safeguards Resources and the Role of Partnerships
   David Peranteau, Team Leader, Division of Concepts and Planning, Department of Safeguards, IAEA
   Ingrid Kirsten, Senior Research Associate, VCDNP

18:30  Group Dinner
Day Five – Course Review and Tying it All Together.

09:00 – 10:45  Emerging Challenges and Opportunities for IAEA Safeguards
   Jeni Rissanen, Team Leader, Strategic Planning Team, Division of Concepts and Planning, Department of Safeguards, IAEA

10:45 – 11:00  Break

11:00 – 12:30  Group Activity: Safeguards “Jeopardy” Game
   Noah Mayhew, Research Associate, VCDNP

12:30 – 13:30  Lunch

13:30 – 15:00  Group Discussion: Everything You Wanted to Know About IAEA Safeguards But Were Afraid to Ask
   Noah Mayhew, Research Associate, VCDNP
   Elena Sokova, Executive Director, VCDNP
   Laura Rockwood, Senior Fellow, VCDNP
   Ingrid Kirsten, Senior Research Associate, VCDNP
   Susan E. Pickett, Section Head, Safeguards Training, Department of Safeguards, IAEA
   Djamel Tadjer, Senior Inspector for State Level Coordination, Department of Safeguards, IAEA

15:00 – 15:15  Break

15:15 – 15:45  Evaluations and Wrap Up

15:45 – 16:00  Closing Remarks and Certificates