



VCDNP Intensive Short Course

“Safeguards for Policymakers: What You Need to Know”

20 – 24 February 2023

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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 Tadjer, 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 Ardhammar, 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
Jenni 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
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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