

Draft Proposal for 2015 ESARDA-INMM Workshop, October 4-7, 2015

Title: The Overlapping Safeguards and Export Control Benefits of International Outreach Focusing on IAEA Model Additional Protocol (AP), Annexes 1 and 2

Author: Todd Perry, Program Director, International Nonproliferation Export Control Program, Office of Nonproliferation & Arms Control, DOE/NNSA

Working Group Topic: Non-Proliferation and Nuclear Security, Strategic Trade Controls

NNSA has developed an approach to international outreach that combines the objectives of its safeguards and export control outreach teams called Additional Protocol Commodity Identification Training or "AP-CIT." AP-CIT familiarizes nuclear technical specialists as well as generalists, including nuclear and trade regulators, commercial and public enterprises, universities, and R&D-focused institutions, with AP Annexes 1 and 2. AP Annex 2 makes reference to nuclear equipment. AP Annex 1 makes reference to those nuclear R&D-related activities required to manufacture and operate this equipment and related material and technology. These Annexes form the basis for IAEA AP reporting requirements. Understanding their content is essential to governments seeking to adopt an AP as part of their State System of Accounting and Control. Annex 2 also bears a strong resemblance to the Nuclear Suppliers Group (NSG) "Trigger List" published in as INFCIRC/254 Part 1. Annex 1 R&D activities can require the use of NSG-listed dual-use items as listed in INFCIRC/254 Part 2. Familiarity with these Annexes also prepares target audiences to establish systems of nuclear export control. AP-CIT is therefore an efficient and effective means by which both safeguards and export control audiences can acquire the knowledge required to implement both objectives. Related training includes:

- Discussion of the nuclear diversion risks from both export control (external diversion) and safeguards (internal diversion) perspectives
- An understanding of the commodities in the Annexes and related NSG controls
- Tools to facilitate reporting of relevant imports and exports to the IAEA
- Enterprise outreach methods needed to ensure awareness of and compliance with AP implementation-related export control-related mandates and regulations.

This approach represents one of several methods developed by NNSA and shared with other outreach partners like the ROK's COE and the EU Commission's Joint Research Center that enhance the feasibility of the institutional reforms and of the nuclear nonproliferation technical expertise development required for countries to effectively pursue their safeguards and export control-related regulatory objectives. Through its contribution to this workshop, NNSA hopes to make outreach stakeholders aware of how AP-CIT might help them establish their own outreach programs that target especially those countries with a potential interest in developing commercial nuclear power.