

ITC-22 Visit to DOE/NTC and Protective Force Equipment  
Demonstration

October 25, 2010

Sandia National Laboratories (SNL) will host the Twenty Second International Training Course (ITC) on the Physical Protection of Nuclear Materials and Facilities at the direction of the U.S. Department of Energy and the U.S. Department of State for three weeks during November 2010. Forty students from different IAEA Member States around the world who are professionals in the nuclear industry or governmental nuclear security officials are invited to SNL and are provided with a very intensive and demanding three week course in the field of physical protection of nuclear material and facilities.

A key part of the physical protection curriculum is the block of instruction on Protective Force organization, employment, and training. This module consists of a classroom lecture subgroup exercise complemented with a protective force demonstration held at the U.S. DOE National Training Center (NTC) Live Fire Range Complex. In previous ITC's, the weapon demonstration has consistently received some of the highest ratings in international student critiques.

The planning for this year's demonstration is envisioned to require a small number of firearms instructors and a small sample of firearms from the National Training Center (NTC).

The weapon demonstration is arranged for an audience that would include approximately forty to fifty ITC participants, SNL subgroup instructors, and DOE representatives for a total of approximately sixty personnel.

The following detailed outline is described below:

1400 hours: Welcome/NTC Mission Brief

The twenty minute briefing will take place in the NTC Armory Conference Room. The NTC staff will welcome the ITC participants; explain their mission to DOE and Local Law Enforcements, and conclude with a range safety briefing. As soon as the briefing is over, a tour will be provided through the armory allowing ITC participants to see different types of weapon systems that are inventoried inside the armory. NTC armorers will provide subject matter explanation of weapon systems used in nuclear security to the participants.

1430 - 1630 hours: Live Fire Range Weapons Demonstration

The audience will rotate in groups between 3 ranges where various weapons and equipment demonstrations will occur. The following is a proposed schedule for the demonstration:

## 1430 Pistol Range 2 SRT Shooting Demonstration (All)

## 1500 Rifle Range 2 Long Distance Shooting/M240/M249 Demonstration Proforce Equipment Layout (Group 1)

1500	R&D Range	Mechanical Breaching, Barrier Shooting Demo, Dye Marking Cartridge (DMC) and Exercise Simulation Systems (ESS) demonstration. (Group 2)
1545		Groups 1 & 2 will rotate
1630	Rifle Range 2	Demonstration Conclusion and Departure

Note: The times indicated are planning times and may need to be adjusted as further coordination is conducted.

The shooting demonstrations will consist of DOE certified instructors firing pistol, rifle and light machine guns at paper, metal and wood targets at various distances.

The breaching demonstration (non-explosive) will utilize mechanical devices such as the hand ram, halligan tool, sledge hammer and breaching shotgun techniques used for forcing open various types of industrial doors.

The barrier shooting demonstration will utilize various firearms to demonstrate the effects of projectiles on barriers such as dry wall, wood, cinderblock, vehicle parts, etc.

The demonstration of the DMC/ESS systems will occur on the R&D range in an area which has been sanitized for live weapons and rounds, roped off to keep spectators and unauthorized persons from the area and a visible DMC/ESS exercise banner in place. This demonstration will be in full compliance with NTC safety rules and regulations.

SNL will schedule ranges and equipment at the NTC and will utilize SNL full and part time certified firearms instructors and safety monitors for all of the demonstrations. All demonstrations will be conducted within the safety guidelines of DOE M 470.4-3a/Contractor Protective Force and NTC Live Fire Range PFT-SOP's 644 (Live Fire Range Operations and PFT-SOP 646, Engagement Simulation Systems.

Please do not hesitate to contact me for any questions or clarifications with reference to this request.

Thank you for your support.

Greg Baum  
Org 06754  
844-2402

