

20th Annual DOE-JAEA PCG Meeting: Physical Protection Action Sheets

John Matter
Sandia National Laboratories

February 4, 2008
Washington, DC

Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company,
for the United States Department of Energy's National Nuclear Security Administration
under contract DE-AC04-94AL85000.

Presentation Outline

- AS 61: Cooperation in Physical Protection for Nuclear Material Transportation
 - Review of activities
 - Proposed decision
- AS68: Physical Protection of Nuclear Material Facilities
 - Review of activities
 - Proposed decision
- Future cooperation in physical protection
 - New work structure
 - New areas of cooperation

AS 61: NM Transport Security

- Task 3 – Recommended Upgrades
 - Report: General Guidance for Delays in Transportation Systems (February 2007)
 - Report: Specific Guidance for Delays in JOYO Transporter (February 2007)
- Task 4 – Training
 - Workshop: Delay and Response (June 2007)
- One-year Extension (through March 2008)
 - PATRAM Paper: Cooperation Between Japan and the United States on the Physical Protection of Nuclear Materials Transportation (October 2007)
 - Finalizing three draft reports
 - Task 1 – Summary Report
 - Task 2 – Summary Report
 - Task 3 – General Guidance
- AS 61 Decision: Recommend close AS 61 on March 31, 2008

AS 68: Facility Protection

- Initial JAEA-SNL discussion of possible new collaboration topics (June 2007)
 - Vulnerability assessment of future Category I facilities
 - Guard post optimization and automated access control
 - Video intrusion detection and tracking
- JAEA plans to proceed with Projects 2 and 3 and to consider further Project 1 (July 2007)
- SNL has done some preliminary planning for cooperation on Projects 2 and 3
- DOE decision for SNL to proceed is pending
- AS 68 decision: Recommend close AS 68 at this PCG meeting
- Continue this collaboration under a new work structure

Future PP Cooperation

- DOE plans to continue to collaborate with JAEA in the area of physical protection of nuclear materials
- DOE would like to work with JAEA to define and establish a new structure for our physical protection collaboration
- The goals for this new work structure are to be simple, flexible and timely and to meet both parties' internal process requirements

Next Step

- JAEA-DOE meeting scheduled for February 22, 2008 in Tokai, Japan
- Topics for discussion at that meeting will include:
 - Details of a new DOE-JAEA physical protection collaboration work structure
 - Physical protection collaboration tasks, including Projects 1, 2, and 3