

WORKSHOP AGENDAS

The first workshop was an introductory meeting for the APS and IEEE study panel on the Domestic Nuclear Detection Office Research and Development Strategy, held at DNDO Headquarters. The agenda for the first workshop was as follows:

Agenda for May 29, 2012

8:30-9:00	Check-In	Washington
9:00-9:10	Welcome/Introductions	Rynes
9:10-9:20	Director's Priorities	Stern
9:20-9:40	APS / IEEE Study Overview	Trebes

Part One: DNDO Deep Dive

9:40-10:00	DNDO Overview	Koeppel
10:00-10:30	Architecture and Planning Directorate (APD) <i>Global Nuclear Detection Architecture (GNDA) Overview</i>	Bernard
10:30-10:45	Break	
10:45-11:00	National Technical Nuclear Forensics Center (NTNFC)	Ulicny
11:00-11:15	Systems Engineering and Evaluation Directorate (SEED)	Wright
11:15-11:30	Red Teaming and Net Assessments (RTNA)	Oliphant
11:30-11:45	Operations Support Directorate (OSD)	Magrino
11:45-12:00	Product Acquisition and Deployment Directorate (PADD)	Pardue
12:00-1:00	Lunch	

Part Two: R&D Overview

1:00-1:30	Transformation and Applied Research Directorate	Rynes
1:30-3:00	Advanced Technology Demonstrations (ATD) <ol style="list-style-type: none"> 1. Advance Radiation Monitoring Device (ARMD) 2. Long Range Radiation Detection (LRRD) 3. Airborne Radiological Extrasensory System (ARES) 4. Intelligent Radiation Sensing System (IRSS) 5. Shielded Nuclear Alarm Resolution (SNAR) 6. Nuclear and Radiological Imaging Platform (NRIP) 7. Future ATDs 	<p>Kuhn</p> <p>Vojtech</p> <p>Kuhn</p> <p>Ashenfelter</p> <p>Moon</p> <p>Rynes</p> <p>Kuhn</p>

3:00-3:15	Break	
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3:15-4:45	Research Portfolios	
	<i>8. Materials Development and Supporting Technology</i>	<i>Janos</i>
	<i>9. Neutron Detection Including He-3 Replacements</i>	<i>Giles</i>
	<i>10. Radiation Detection Techniques</i>	<i>Wrobel</i>
	<i>11. Shielded Threat Detection Techniques</i>	<i>Moon</i>
	<i>12. Algorithms and Modeling</i>	<i>Ashenfelter</i>
	<i>13. Nuclear Forensics</i>	<i>Jankowski</i>
	<i>14. Future R&D</i>	<i>Wrobel</i>

4:45-5:00	Wrap-up	
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The second workshop was a two-day meeting for the full Study Committee, held at the National Conference Center in Leesburg, VA. The agenda for the second workshop was:

APS-IEEE DNDO Study Committee, Workshop II: Leesburg, VA – National Conference Center

July 26, 2012

8:00-8:15 AM Introduction – Study Charge

James Trebes, Study Co-Chair

8:15-9:30 AM Round Table Discussion with Transformation & Applied Research Directorate (TARD) Staff

James Trebes, Study Co-Chair

John Donnelly, Study Committee Member

Joel Rynes, Acting Assistant Director, TARD, Domestic Nuclear Detection Office (DNDO)

9:45-12:00 PM SME Special Talks

“What’s Hard about Detecting and Identifying Shielded Fissionable Material?”

Dennis Slaughter, Study Committee Member

Shielded Threat Detection Portfolio Review: Current & Planned Portfolio

Namdoo Moon, Program Manager, SBIR, DNDO

Discussion

Richard Kouzes, Richard Lanza, Stan Prussin, Study Committee Members

Learning to Understand Nuclear Threat

Artur Dubrawski, Carnegie Mellon

1:00-3:30 PM SME Special Talks, continued...

Algorithms/Modeling Portfolio Review: Current & Planned Portfolio

Tim Ashenfelter, Program Manager, TARD, DNDO

Discussion

Robert Borchers, Richard Kouzes, Study Committee Members

Operational Constraints

Ira Reese, U.S. Customs and Border Protection (CBP)

DTRA/NNSA/TARD Coordination

David Beach, National Nuclear Security Administration

3:45-5:30 PM SME Special Talks, continued...

Radiation Detection at Borders

Richard Kouzes, Study Committee Member

Neutron Detection Portfolio Review: Current & Planned Portfolio

Alan Janos, Program Manager, DNDO

Discussion

Richard Kouzes, James Lund, Study Committee Members

6:30- 8:15 PM SME Special Talks, continued...

Material Portfolio Review: Current & Planned Portfolio

Alan Janos, Program Manager, DNDO

Discussion

Glenn Knoll, Study Committee Member

Anthony Lavietes, Study Co-Chair

Nuclear Counterterrorism and Deterrence

Rob Allen, LLNL

8:15-8:45 PM Washington Round-up

Ms. Jodi Lieberman, American Physical Society

July 27, 2012

8:00-8:15 AM Introduction – Logistics

Anthony Lavietes, Study Co-Chair

8:15-9:00 AM Uncertainty, Deterrence, Risk, Conops, Surge 1

Mitchell Woodring, Senior Scientist, Detection Systems Group, National Security Directorate PNNL

9:00-10:00 AM Nuclear Forensics: Considerations for Success

Stephen LaMont, Chief Scientist Office of Intelligence, Nuclear Materials Information Program (NMIP), U.S. Department of Energy

10:15-12:00 PM Nuclear Forensics Portfolio Review: Current & Planned Portfolio

Bill Uliciny, Rich Vjtech, TARD, DNDO

Discussion

Jill Dahlburg, Stan Prussin, Study Committee Members

12:45-1:45 PM Radiation Detection Techniques: Current & Planned Portfolio

Austin Kuhn, Rich Vjtech, TARD, DNDO

Discussion

Neil Johnson, Glenn Knoll, Study Committee Members

1:45-2:30 PM Conclusion

Richard Lanza, James Lund, Study Committee Members

2:30 – Study Committee Postmortem

Logistics of report writing, deadlines, discuss key conclusions