NDIA KEYNOTE ADDRESS
DoD Fuze
Integrated Product Team

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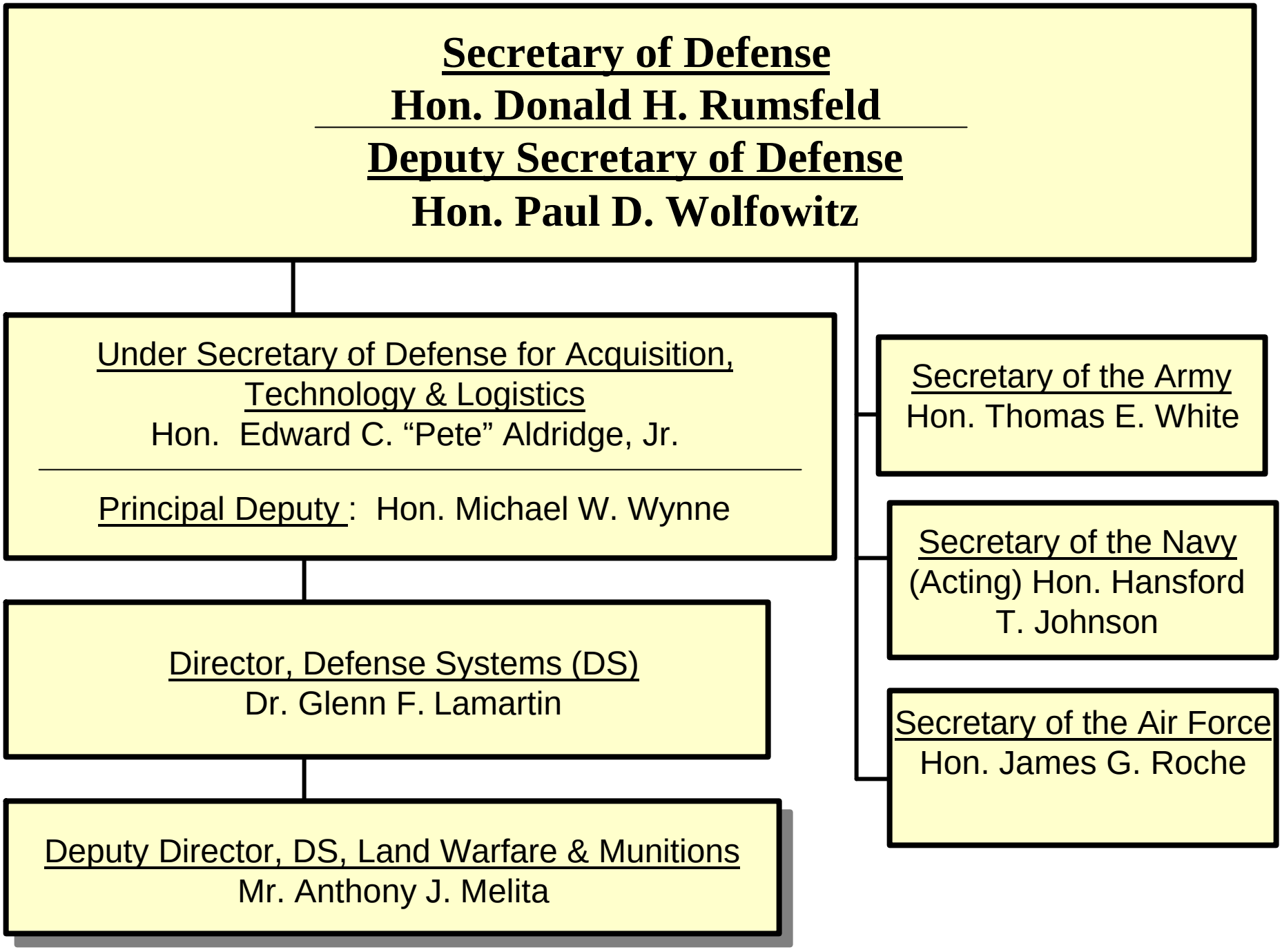
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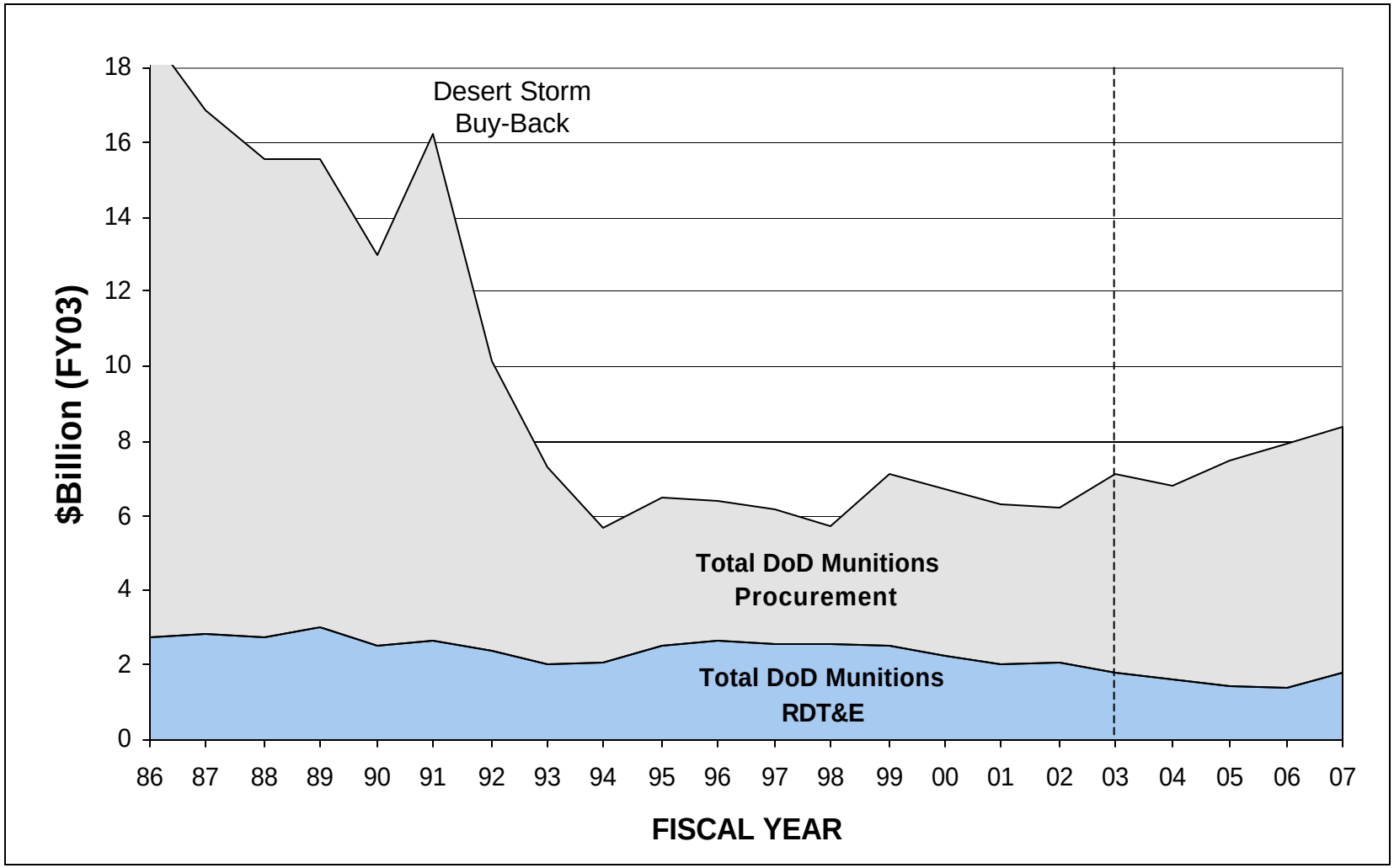
DoD Munitions RDT&E and Procurement



Outline

- History of DoD Fuze Workshops & Reviews
- Formation of DoD Fuze IPT
- Definitions
- IPT Mission
- Strategic Plan
- Progress to Date
- Summary

History

- DoD Fuze Industry Workshop, March 7th-9th, 1990.
- DoD Fuze Science & Technology Review, August 19th & 20th, 1997.
- OSD-directed IDA "Missile, Bomb, and Projectile Fuze Subtier Assessment" Study, 1997 thru 1999.
- Tri-Service Government/Industry Fuze Workshop, May 8th-10th, 2001 held at Picatinny Arsenal, NJ.

BOTTOM LINE: The DoD needs to take action.

Formation of DoD Fuze IPT

- Director, Strategic & Tactical Systems, established the DoD Fuze IPT on June 28th, 2001. Tasks were:
  - Identify issues affecting the current fuze industrial and technology base
  - Determine what is required for a DoD fuze industrial and technology base
  - Develop a strategy for re-shaping the fuze base to meet the requirements
  - Develop and implement a plan of action and milestones for our strategy

Formation of DoD Fuze IPT cont'd

- First DoD Fuze IPT Meeting - - July 24th, 2001 – agreed to conduct a problem solving workshop.
- Three-Day Gov't problem solving workshop was held at Defense Systems Management College (DSMC) in Ft. Belvoir, VA, October 30th-November 1st, 2001.
  - Established Baseline Definitions
  - Identified Issues
  - Developed outline for Strategic Plan

Definitions

Fuze Industrial Base

The Industrial Base is defined as those entities, Government and private, domestic and international, that are actively involved in the design, development, qualification and/or production of fuze systems, and associated equipment to include setters. Included in the Fuze Industrial Base are those entities who supply components essential to the functioning of the fuze systems such as Safety and Arming devices, explosives, power supplies, electronics, sensors, fuze initiators, cables and lanyards.

Fuze Technology Base

The Technology Base is defined as those entities, Government and private, domestic and international, involved in basic research, applied research, and advanced technology development for fuzing systems, components and associated equipment to include setters.

IPT Mission

- Refine and Implement a DoD Strategic Plan for the Fuze Technology & Industrial Base.

- Develop a Fuze Acquisition and Technology Road Map.

- Work with Industry as required for input, sanity check, help….
  - Mr. Fred Piering, Chairman, Fuze Division, NDIA, serves as our conduit with industry.

Strategic Plan

- Fuze Industrial Base Strategic Plan
  - Goal #1: Advance and maintain a healthy U.S. contractor base
    - ✓ 6 Objectives with action items for each objective
  - Goal #2: Ensure that the Government develops and maintains the capability to execute its responsibility to assure the safety and suitability for service of fuze systems
    - ✓ 4 Objectives with action items for each objective

Strategic Plan cont'd

- Fuze Technology Base Strategic Plan
  - Goal #1: Advance and maintain a healthy U.S. fuze technology base
    - ✓ 4 Objectives with action items for each objective
  - Goal #2: Establish early and continued Government involvement in the development, application, and transition of fuze technology to munitions development
    - ✓ Objectives and action items under development

Progress to Date

- Met 7 times since the DSMC workshop.
- Created two subgroups.
  - Roadmapping – Led by Mr. Scott Teel (Chief, AFRL, Eglin AFB)
    - ✓ Facilitate Government/Industry business planning and identify acquisition issues
    - ✓ Develop an Acquisition & Technology Roadmap
    - ✓ Identify opportunities for joint programs and reduce duplication of efforts
  - Technology – Led by Mr. Lawrence Fan (NSWC Indian Head)
    - ✓ Identify and coordinate ongoing U.S. Fuze Technology efforts to maximize current investment
    - ✓ Develop and implement strategy and plan for addressing critical fuze technology voids

Progress to Date cont'd

- Established Munitions Power Sources IPTs as a third subgroup. Led by Mr. Felix Cruz, USA Picatinny Arsenal
- Released a new (reminder) Section 806 memo, signed by USD(AT&L) on April 5th, 2002.
- Continued to work/refine the Strategic Plan.
  - The Plan defines action items which are worked concurrently, e.g.-
    - Assess Industrial base capabilities assessment of existing fuze producers (almost complete)
    - Identify sole/critical source components – possible single point failures (complete – to be reviewed during next IPT)
    - Poll industry on safety board practices
    - Develop a Roadmapping tool

Progress to Date cont'd

Introductory Meeting with the Services

- DoD Fuze IPT met with the Services' acquisition community on November 6th, 2002 -- to introduce the work the IPT is doing and why.
  - Reviewed the Roadmapping tools and Strategic Plan
  - Goal was to gain support and buy-in for an annual DoD Fuze Summit to affect coordinated, multi-Service fuze procurements, by using the Road-mapping tools to identify such opportunities

Progress to Date cont'd

- Conducted the first DoD Munitions Fuze Summit (Planning Meeting for Procurement and Technology) with the Services' acquisition community on February 5th & 6th, 2003.

Procurement Session – February 5th

- Breakout sessions were held on: Bombs, Artillery/Guns, Mortars, and Grenades which resulted in the following initiatives
  - ✓ Developing a strategy for bomb fuze procurements
  - ✓ Working to get all Services to buy M549A1
  - ✓ Working to resolve TDP issues for the Mk 399 Mod 1, Mk 407 Mod 2, and FMU-153/B
  - ✓ Working for agreement that all Services will purchase most modern mortar fuzes
  - ✓ Working to develop a hand grenade fuze strategy

Progress to Date cont'd

- Fuze Technology Session – February 6th
  - Fuze Technology session focused on the need for investing in fuze technology as crucial to meeting weapon requirements
    - ✓ Draft Fuze technology gaps were highlighted
    - ✓ Identified miniature fuze technology as having applicability across weapons in each of the Services

Progress to Date cont'd

IPT Communications with Industry

Additional items of importance:

- Drafted four letters to Industry.
  - August 1st, 2001 letter –covering the establishment of the DoD Fuze IPT
  - November 29th, 2001 letter – brief update of the Department's initiative for improving the fuze technology and industrial base
  - February 11, 2002 letter – requesting industry input on the effects of existing munitions export/import policies on the domestic base
  - November 25th, 2002 letter – requesting industry input on DoD's weapon system safety design policies and approval procedures
- DoD Fuze IPT Advanced Planning Briefing for Industry (APBI) and Industrial Base Workshop – on July 8th & 9th, 2003.

Summary

- Continue to refine the Fuze Roadmap and Strategic Plan and execute the action items in the plan.
- Continue to work with Industry through Mr. Fred Piering, Chairman, Fuze Division, NDIA NDIA.
- Prepare for DoD Fuze APBI and Industry Base Workshop in July of 2003.