International S&T Cooperation

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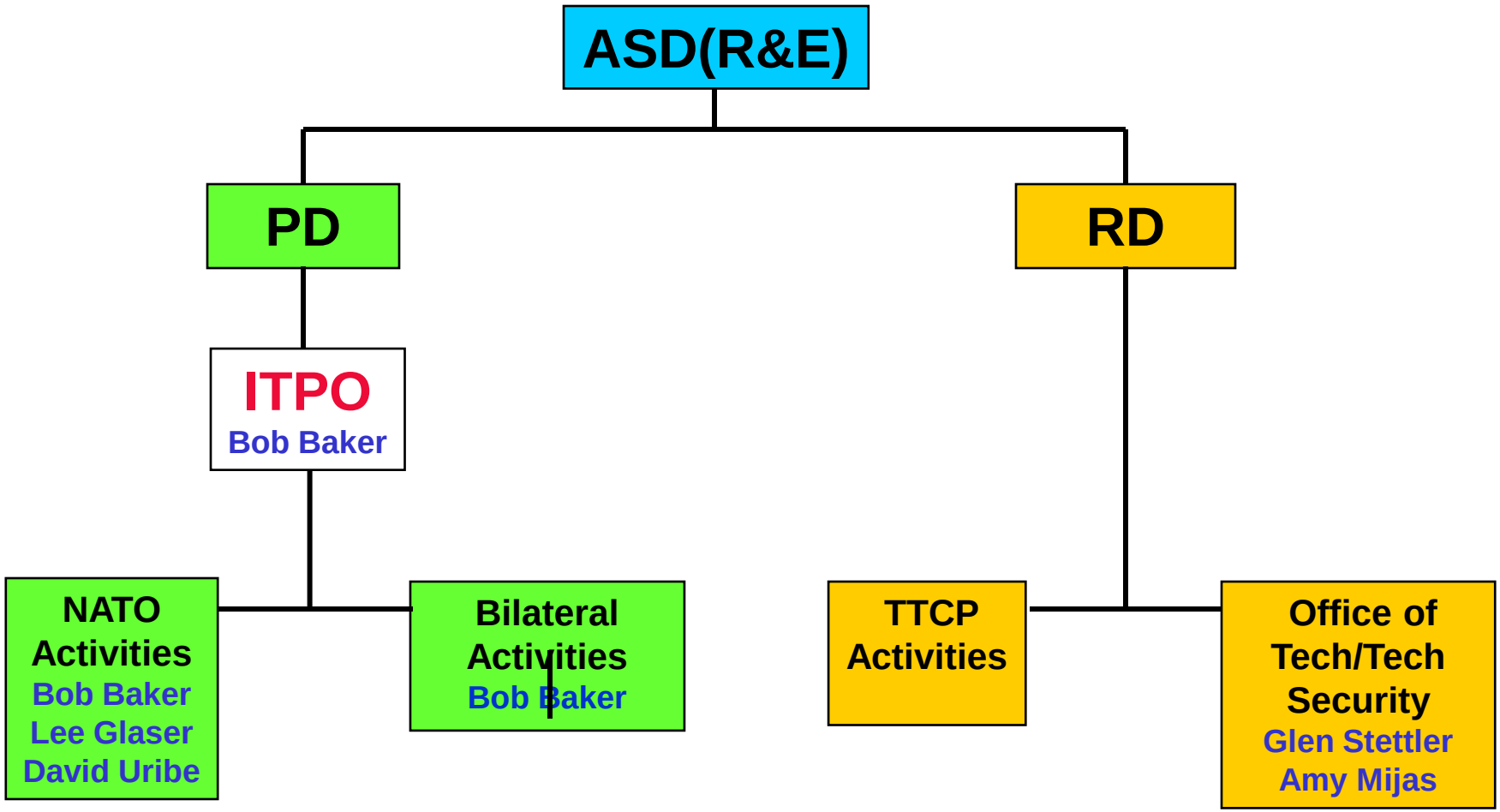
Outline

- ***Background***
- ***The Technical Cooperation Program***
- ***NATO Research Technology Organization***

ODDR&E International S&T Cooperation

The Way It Is Now



International Agreements

- **The international S&T collaboration process is time consuming and documentation intensive, but it is required by Public Law (Title 10 Sec. 2350a) and DoD Directive 5530.3.**
  - **Most DoD international S&T collaboration activity is executed by the Military Departments.**
  - **Each Department has a staff whose primary duty is the execution of the international S&T collaboration process.**
  - **OASD(R&E)does not have the lead on many international S&T collaboration programs.**
  - **OASD(R&E)is involved in many of these programs but lead and funding is found in the Military Departments.**

International Agreements

- **International S&T collaboration agreements are documented in the form of Memorandums of Understanding (MOUs), Information Exchange Agreements (IEAs)/Data Exchange Agreements (DEAs), and Project Agreements (PAs)**
  - **MOUs**
    - **MOUs are overarching agreements for 2 or more countries to collaborate in the area of science and technology.**
    - **MOUs are implemented through I/DEAs and PAs.**
    - **MOUs state the objectives and scope (6.1, 6.2, 6.3) of agreements.**

International Agreements – Cont.

- **I/DEAs**
  - **I/DEAs are agreements between 2 or more countries that identify a specific technology area collaboration will take place in**
  - **I/DEAs must be coordinated between individuals from the counties involved, with OUSD(AT&L)/IC, and OGC. In order for information or data to be exchanged between Nations, a Delegation of Disclosure (DDL) should exist for each I/DEA**
  - **If a DDL does not exist, then any information or data which is exchanged must be reviewed and approved though the foreign disclosure process/officer for the executing component**
  - **There is no requirement to commit/identify funding or other resources for a I/DEA**

International Agreements – Cont.

- **PAs**
  - **PAs are different from I/DEAs because funding and other resources are identified for the collaborative effort**
  - **Bi/multilateral activities**
  - **Require DDLs**
  - **Any changes to scope or funds require PA amendment**
  - **PAs must be coordinated with OUSD(AT&L)/IC, OGC, and OUSD(C)**
  - **OUSD(AT&L)IC must notify Congress of all PAs and Congress has 30 days to review and approve/disapprove**
  - **Contractors working on PAs and making exports need State Dept. authorization**

International Project Agreement Process

Exploratory Discussions

Military Departments

Request Authority To Develop PA

- USD(AT&L) for MOUs
- Mil Dep Hq for PAs)

Negotiations

Military Departments

Request Final Approval PA

- USD(AT&L)
- USD(C)
- OGC
- Congress

Signature

Military Departments

Regulations

DODD 5530.3
DODD 5000.1
Mil Dep Regs

Law

10 USC
Sec. 2350a

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What is TTCP?

The Technical Cooperation Program

- **Five-nation cooperative S&T arrangement**
  - **United Kingdom, Canada, Australia, New Zealand, United States**
- **Eleven S&T Groups consisting of:**
  - **80 Technical Panels with 1200 scientists and engineers**
  - **170 organizations at 450 sites**
  - **300 active work strands**
- **Defense-wide organization with emphasis on S&T**
  - **Mechanism to facilitate combat interoperability through S&T cooperation**
- **Global network of world class scientists and engineers**

Current TTCP Groups

- Aerospace Systems (AER)
- Command, Control, Communications & Information (C3I)
- Chemical, Biological and Radiological Defence (CBD)
- Electronic Warfare Systems (EWS)
- Human Resources and Performance (HUM)
- Land Systems (LND)
- Joint Systems and Analysis (JSA)
- Maritime Systems (MAR)
- Materials and Processes Technology (MAT)
- Sensors (SEN)
- Conventional Weapons Technology (WPN)

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The STB Panels/Group

- **AVT** Applied Vehicle Technology
- **HFM** Human Factors and Medicine
- **IST** Information Systems Technology
- **SAS** System Analysis & Studies
- **SCI** Systems Concepts & Integration
- **SET** Sensors & Electronics Technology
- **MSG** Modelling and Simulation Group