

How the U. S. Support Program (USSP) Provides Assistance to the IAEA Department of Safeguards

SSTS – ISPO Visit to ORNL and Canberra

Oak Ridge, Tennessee October 30-31, 2012

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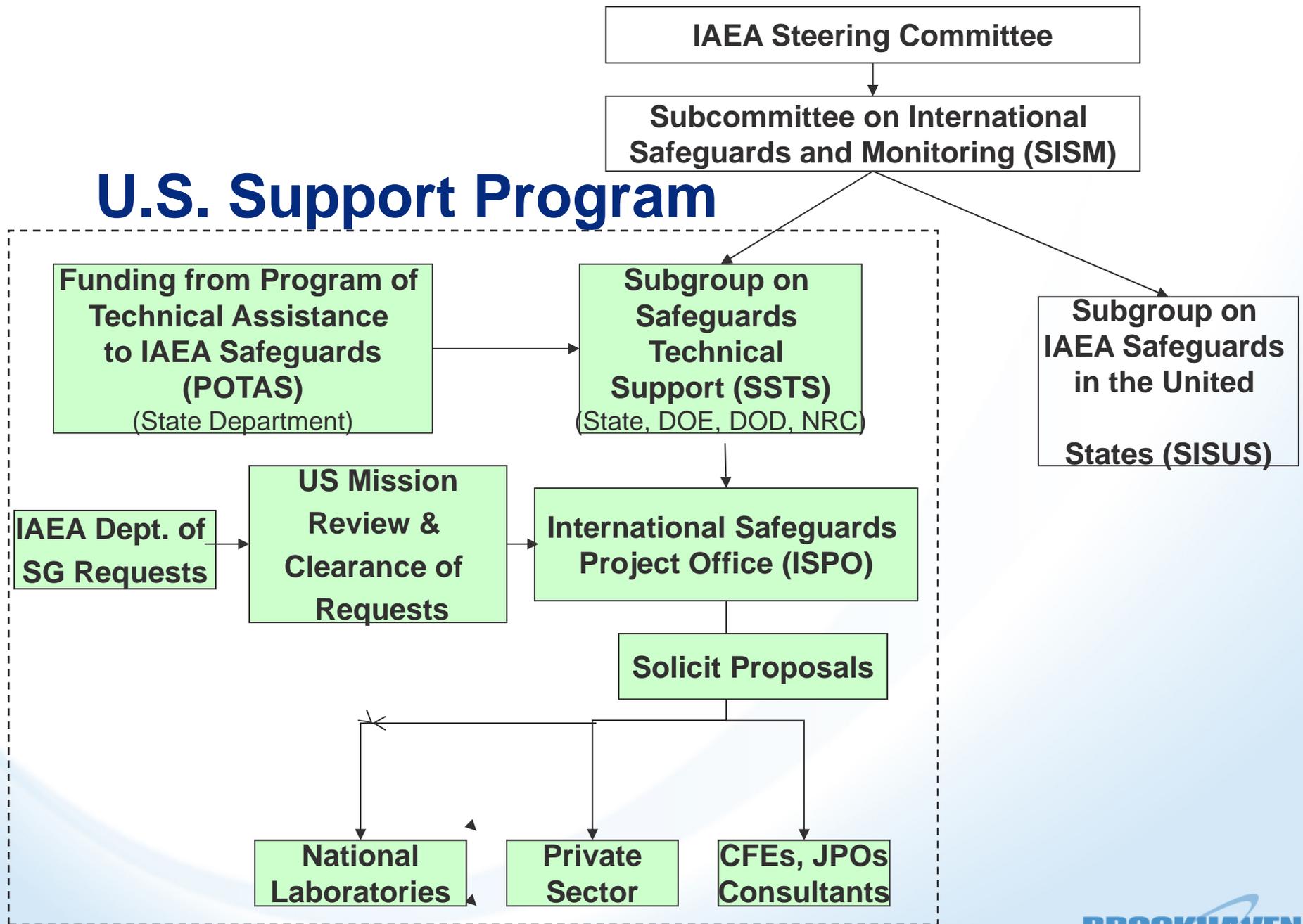
a passion for discovery



Outline

- USSSP to IAEA Safeguards
- How the USSSP Processes IAEA Requests
- USSSP Strategic Objectives and Work Funded
- Recruitment for IAEA Safeguards Positions
- ISPO Information System (IIS)
- How ISPO Contracts with Labs and the Private Sector
- Electronic Country Clearance (eCC)
- POTAS IAEA Communication Guidelines
- ISPO website: www.bnl.gov/ispo

U.S. Support Program



Subgroup on Safeguards Technical Support (SSTS)

- Oversight of the U.S. Support Program
- Determines USSP POTAS funding decisions for IAEA requests

SSTS Members:

1. Chair: **Kevin Veal**, Department of Energy (Marc Humphrey – alternate)
2. Department of State, **Robert Cockerham** (Peter Sprunger - alternate)
3. Department of Defense: **Lt. Col. Robin Orth, Lt. Col. John Smith** (James Killian & William Howe - alternates)
4. Nuclear Regulatory Commission: **Santiago Aguilar and Eric Freeman**

Brookhaven National Laboratory

Safeguards Verification Implementation Group

Susan Pepper Project Office Head

Michele Rabatin Administrative Support



International Safeguards Project Office

Raymond Diaz Project Office Head (Acting)

BNL

VIENNA

James Disser (Task Monitor)

Jae Jo (Task Monitor)

Josh Tackentien (Task Monitor)

Phil Beauparlant (Senior Staff Contract Specialist)

Laura MacArthur (Project Planner)

Michele Rabatin (Administrative Support)

Tanya Collins (Recruitment Specialist)

Deborah Johnson (Financial Specialist)

Sandra Sullivan (Contractor – Capsule and Liaisons)

Albert Queirolo (Liaison Officer)

Amy Amenu-Zotter (Contractor - Support Program Mgr.)

Key ISPO Activities

- **Timely Processing of IAEA Dept. of SG Requests:**
 - Make timely cost effective IAEA request recommendations to the SSTS
 - Stream line placement of contracts with labs/private sector after SSTS funding decision

- **Financial Management of POTAS Funding:**
 - Assist SSTS in prioritizing IAEA requests since USSP can not fund all requests
 - Forecast fiscal year (FY) funding expenditures for existing and anticipated IAEA requests
 - Track POTAS funding both in Vienna and in US to ensure sufficient funding is available to address IAEA requests throughout the FY funding cycles

- **Task Oversight:**
 - Track task progress (schedule and budget) for favorable outcome
 - As task issues arise, assist IAEA and labs/contractors in determining effective solutions
 - Perform “lessons learned” review upon task completion to improve processing of IAEA requests

POTAS US Laboratory Coordinators

- US lab representatives who address IAEA requests assigned by the USSP

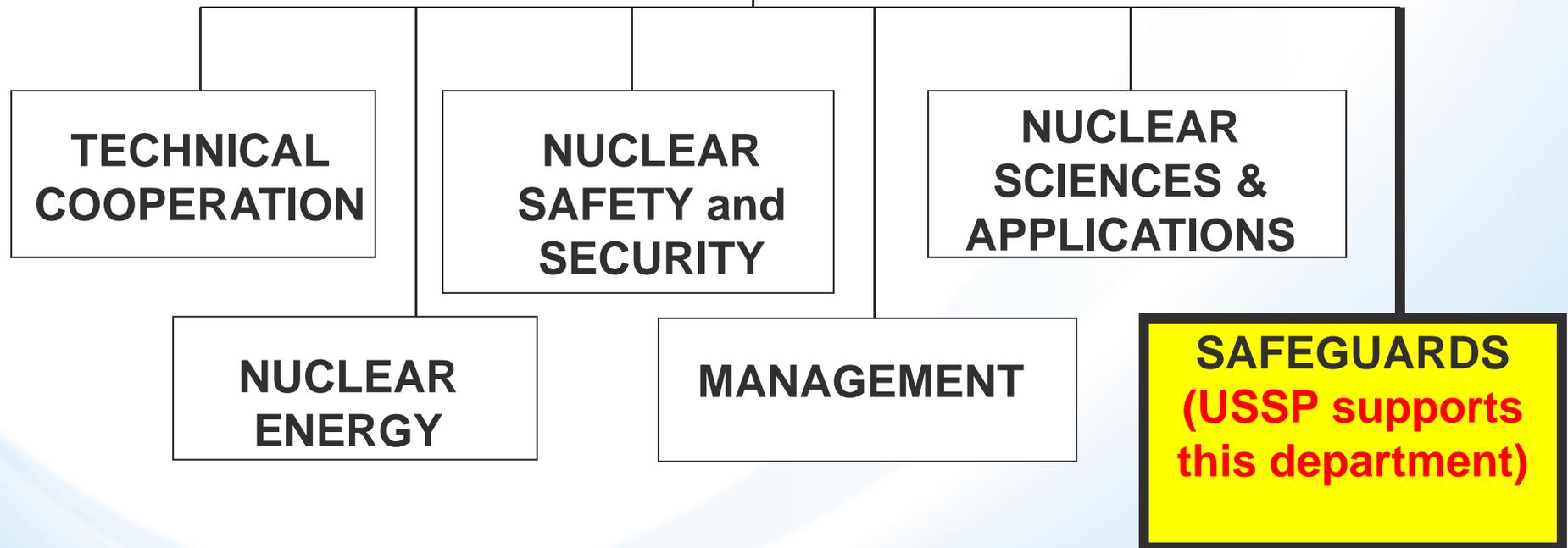
ANL (Argonne National Laboratory) –	Peter Heine
BNL (Brookhaven National Laboratory) –	Colin Carroll
INL (Idaho National Laboratory) –	David Bracken
KCP (Kansas City Plant) –	Douglas Byron
LANL (Los Alamos National Laboratory) –	Peter Santi
LLNL (Lawrence Livermore National Laboratory) –	Young Ham
NBL (New Brunswick National Laboratory) –	Peter Mason
ORNL (Oak Ridge National Laboratory) –	Ana C. Raffo Caiado
PNNL (Pacific Northwest National Laboratory) –	Hal Udem
PTH (Protection Technology Hanford) –	Steven Schlegel
SNL (Sandia National Laboratories) –	George Baldwin
SRNL (Savannah River National Laboratory) –	Lindsay Sexton
STL (Special Technologies Laboratory) –	Steve Koppenjan

IAEA High Level Org. Chart

Director General
Yukiya Amano



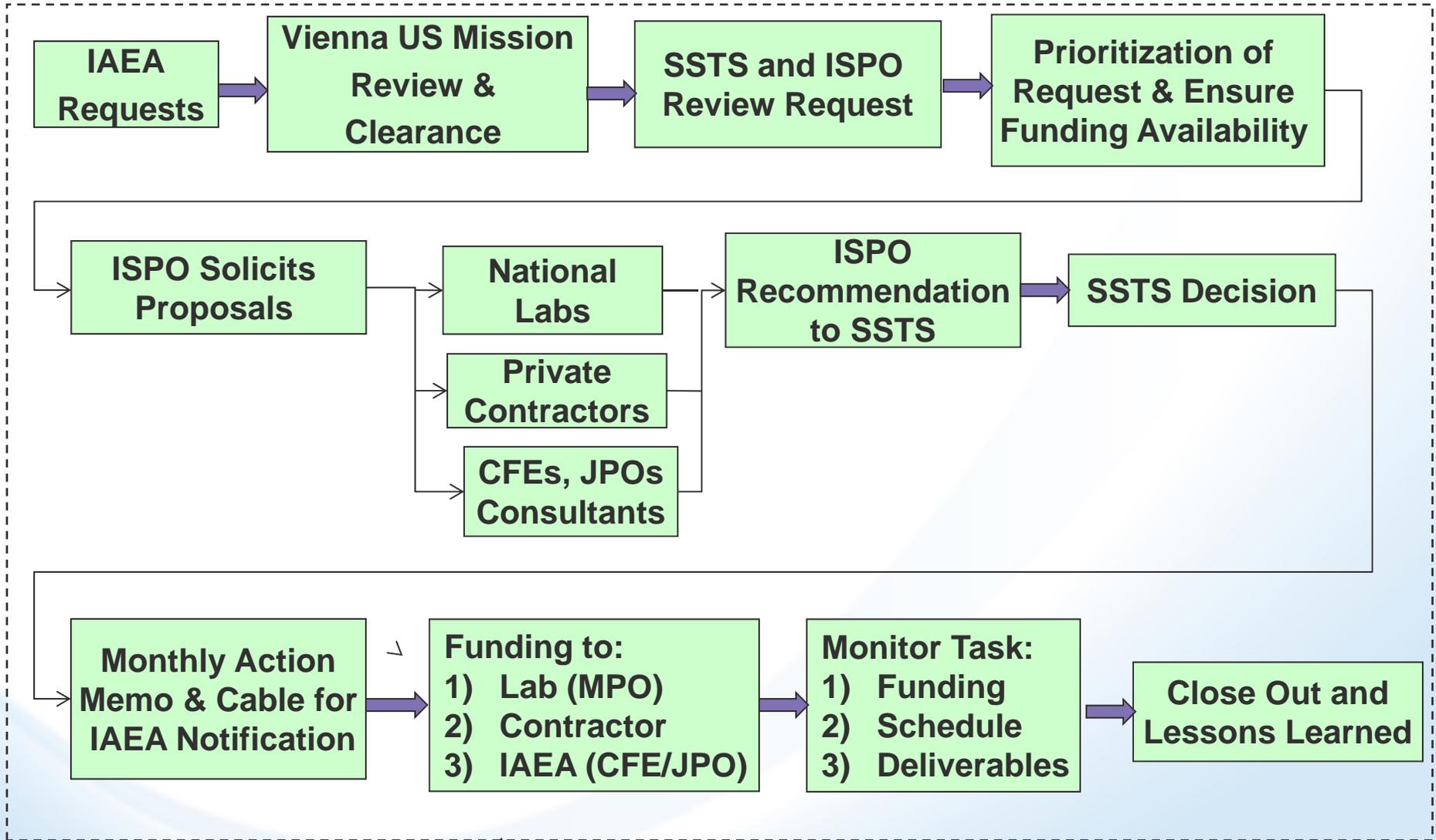
Atoms for Peace: The First Half Century
1957-2007



IAEA Nuclear Safeguards Division



How the USSP Processes IAEA Requests



ISPO Management of IAEA Requests

- **IAEA Outstanding Request List (ORL):**
 - List of all pending IAEA requests including SP-1's, CFE/JPO, and Letter Requests
 - Review, prioritize and update ORL weekly

- **Monthly POTAS Action Memo**
 - Lists all POTAS funding approvals for the month [email decisions (E-Poll), SSTS meeting decisions, ISPO approval authority decisions (<\$25K)]
 - SP-1 decisions are documented in an Action Cable to UNVIE
 - Letter request and SP-1's decisions are documented in Notification Letters to the IAEA

- **Monthly POTAS Funding Forecast:**
 - Used to prioritize new requests, recurring tasks, and travel support requests (ex: Training Courses, CFE/JPO extensions)
 - USSP funding is not sufficient to fund all IAEA requests, hence the importance of IAEA prioritization
 - Reviewed and updated each month after preparation of monthly Action Memo

USSP Strategic Objectives

Used to assist in prioritizing IAEA requests (listed in random order)

- **Training:** Ensure IAEA staff have the necessary expertise
- **Tools:** Ensure the IAEA has the necessary tools to implement safeguards verification
- **Concepts and Approaches:** Help the IAEA develop effective safeguards approaches
- **Information Management and Security:** Equip the IAEA to acquire, analyze, and manage information securely
- **Human Resources:** Place highly qualified personnel in IAEA positions
- **Quality Management:** Promote a culture of QM improvement at the IAEA
- **Communication:** Improve communications practices between IAEA and its stakeholders

USSP FY 12 Annual Budget: \$15.0 Million

Currently over 100 active tasks in:

- Training
- CFEs and JPOs
- Consultants (ex: Open Source)
- Destructive Analysis & Environmental Sampling
- Concepts and Approaches
- Equipment Development
- Software Development

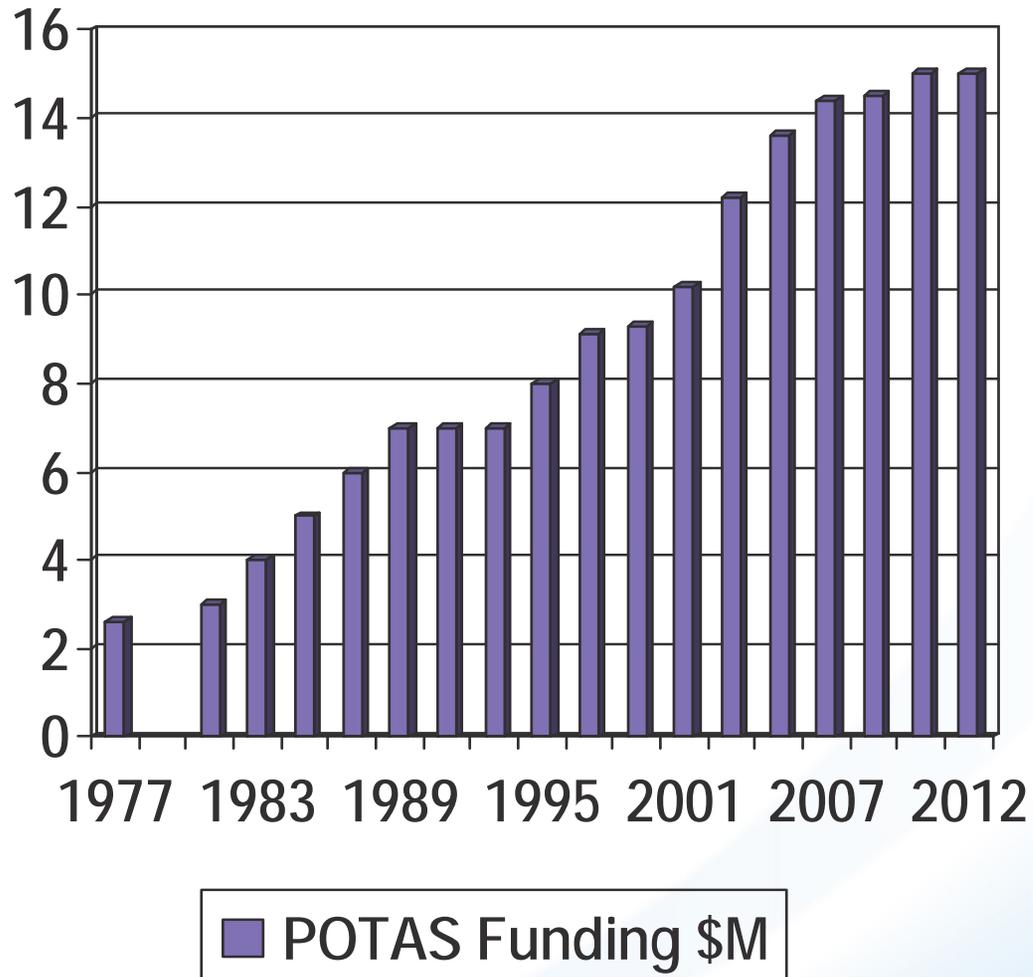
Recent and Active USSSP Funded Projects

- Universal NDA Data Acquisition Platform (UNAP)
- On-line Enrichment Monitor (OLEM)
- Enhanced Capabilities for Analytical Services (ECAS)
- Remotely Monitored Sealing Array (RMSA)
- Next Generation Surveillance System (NGSS)
- State of Art NDA Techniques For UF6 Cylinders
- Rokkasho Reprocessing Plant SG Software/Hardware
- Chernobyl Monitoring Systems

Future IAEA SG Needs

- Can't predict future IAEA requests
- Requests based on IAEA needs which change
- Suggest reviewing IAEA 2012 – 2013 Development and Implementation Support (DIS) Program for Nuclear Verification
 - Lists Dept. of SG future directions and objectives by subject area

USSSP POTAS Funding 1977-2012



Recruitment for IAEA SG Positions

- Focus on recruitment for IAEA SG Staff Positions
- Respond to requests for CFE's and JPO's
- Post job openings on ISPO Website (www.bnl.gov/ispo) including CFE/JPO requests
- Attend Conferences to actively recruit qualified candidates
- Search for qualified candidates using recruitment websites and data stored on the ISPO Information System (IIS)
- Assist selected candidates with transition to work in Vienna

Web Based ISPO Information System (IIS)

■ **Processing of Requests**

- Tracks status of requests received to SSTS decision

■ **Task Financial Reporting**

- Documents Lab, Contractor and IAEA Task expenditures
- Labs, contractors, and IAEA submit monthly expense reports

■ **Capsule Summary**

- Quarterly report of Active Tasks, funding, and status
- Labs, Contractors, and IAEA submit quarterly status updates

■ **Recruitment**

- Candidate resumes and IAEA PHF's
- Used to identify qualified candidates for
 - IAEA Staff Openings
 - CFE/JPO Positions
 - Consultants

Contracting With National Labs

■ Memorandum Purchase Orders (MPOs)

- Used to place contracts with National Labs
- MPO's are placed by BNL Procurement
- Each MPO consists of a SOW, Signed Proposal, and Level of Effort (LOE) Justification Memo
- MPO Process: 1) SSTS approval, 2) ISPO prepares MPO package, 3) BNL Procurement obtains LOE signature from Lab Coordinator, 4) MPO placed with Lab.
- Working on streamlining this relatively new process to minimize the time from SSTS approval to placement of the MPO with the National Lab
- Please let us know if you have completed an export review and provide us documentation if this has been completed

Contracting With Private Contractors

■ Commercial Procurement Process

- Used to place contracts with contractors
- Contracts are placed by BNL Procurement
- Each Contract consists of a SOW, Signed Proposal, and Level of Effort (LOE) Justification Memo
- Contract Process: 1) SSTS approval, 2) ISPO prepares contract, 3) BNL Procurement obtains LOE signature from Lab Coordinator, 4) Contract placed
- Working on streamlining this process to minimize the time from SSTS approval to placement of the contract
- Please provide ISPO the contact information of your financial personnel

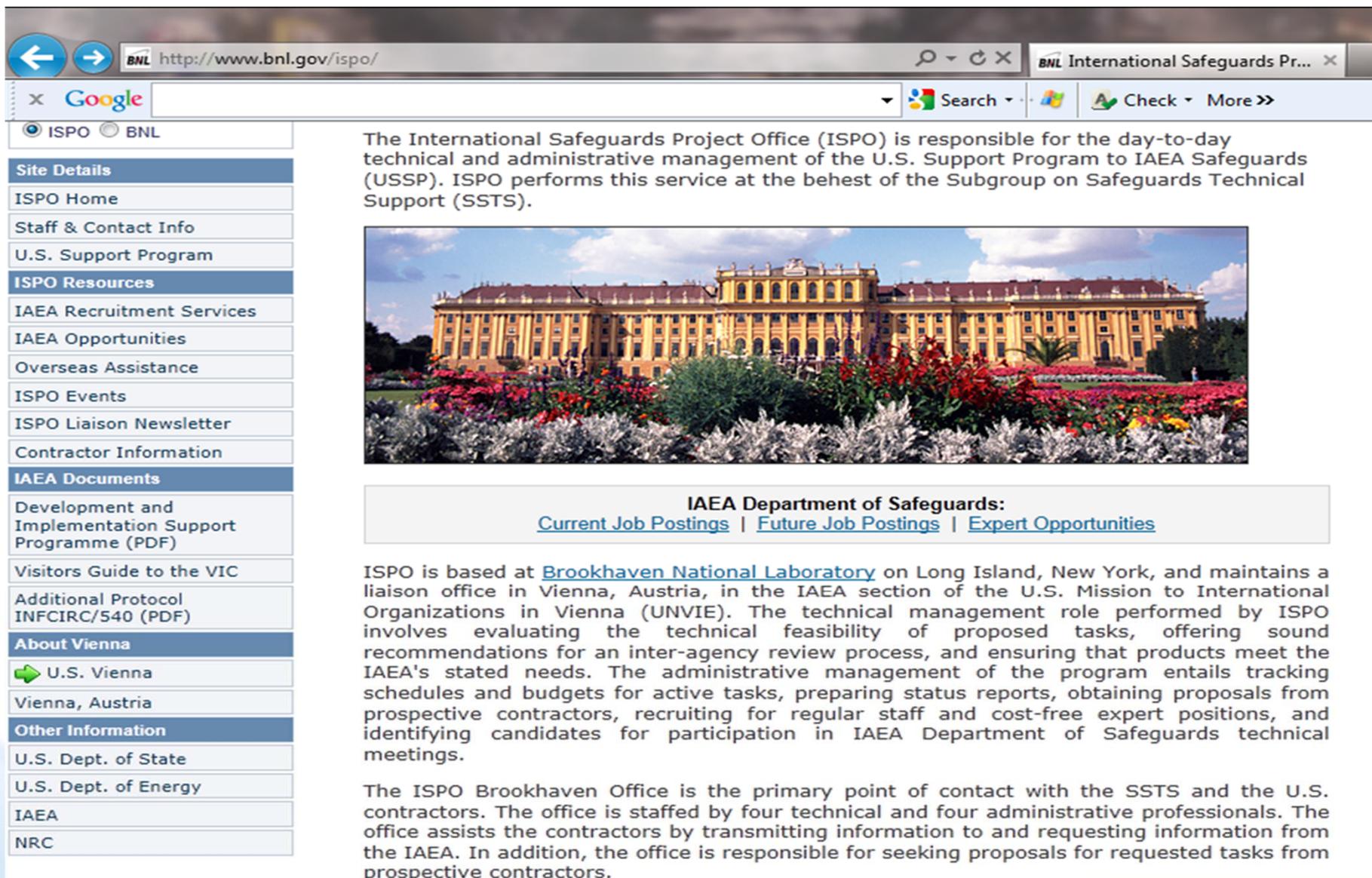
Electronic Country Clearance (eCC)

- Used to obtain DOE approval of USSSP funded Vienna foreign travel
- Labs –Input Data into the Foreign Travel Management System (FTMS)
- Contractors - Provide eCC information to ISPO (Michele Rabatin – rabatin@bnl.gov) who inputs data into FTMS
- US Mission approves eCC with assistance of ISPO Liaison Officer (QueiroloA@state.gov)
- eCC must be in compliance with procedure located on ISPO website: http://www.bnl.gov/ispo/county_clearance.asp
- eCC needs to be submitted from FTMS at least 45 days prior to travel
- US Federal employees must have “Official” passport

POTAS IAEA Communication Guidelines

- All communications with the IAEA go through ISPO
- If the IAEA contacts you directly regarding a non funded USSP project, indicate they need to go through the US Mission to International Organizations in Vienna (UNVIE)
- On pre-approved IAEA communications for funded POTAS work, include the ISPO task monitor and Al Queirolo on these communications
- Do not attempt to “Sell” new projects to the IAEA that have not been cleared by the USSP and UNVIE
- Let the ISPO task monitor know if ISPO needs to set up a teleconference call or VTC with the IAEA to resolve project issues

ISPO Website - <http://www.bnl.gov/ispo/>



The screenshot shows a web browser window with the address bar displaying <http://www.bnl.gov/ispo/>. The page features a left-hand navigation menu with the following items: ISPO (selected), BNL, Site Details, ISPO Home, Staff & Contact Info, U.S. Support Program, ISPO Resources, IAEA Recruitment Services, IAEA Opportunities, Overseas Assistance, ISPO Events, ISPO Liaison Newsletter, Contractor Information, IAEA Documents, Development and Implementation Support Programme (PDF), Visitors Guide to the VIC, Additional Protocol INFCIRC/540 (PDF), About Vienna, U.S. Vienna (with a green arrow icon), Vienna, Austria, Other Information, U.S. Dept. of State, U.S. Dept. of Energy, IAEA, and NRC.

The main content area contains the following text:

The International Safeguards Project Office (ISPO) is responsible for the day-to-day technical and administrative management of the U.S. Support Program to IAEA Safeguards (USSP). ISPO performs this service at the behest of the Subgroup on Safeguards Technical Support (SSTS).



Below the photograph is a box containing the text: **IAEA Department of Safeguards:** [Current Job Postings](#) | [Future Job Postings](#) | [Expert Opportunities](#)

The text continues: ISPO is based at [Brookhaven National Laboratory](#) on Long Island, New York, and maintains a liaison office in Vienna, Austria, in the IAEA section of the U.S. Mission to International Organizations in Vienna (UNVIE). The technical management role performed by ISPO involves evaluating the technical feasibility of proposed tasks, offering sound recommendations for an inter-agency review process, and ensuring that products meet the IAEA's stated needs. The administrative management of the program entails tracking schedules and budgets for active tasks, preparing status reports, obtaining proposals from prospective contractors, recruiting for regular staff and cost-free expert positions, and identifying candidates for participation in IAEA Department of Safeguards technical meetings.

The text concludes: The ISPO Brookhaven Office is the primary point of contact with the SSTS and the U.S. contractors. The office is staffed by four technical and four administrative professionals. The office assists the contractors by transmitting information to and requesting information from the IAEA. In addition, the office is responsible for seeking proposals for requested tasks from prospective contractors.

**END OF PRESENTATION
AND
THANK YOU FOR YOUR ATTENDANCE**

Questions?