

PARTICIPATION

All persons wishing to participate in the symposium are requested to complete a Participation Form (Form A) and to send it, as soon as possible, to the competent national authority (Ministry of Foreign Affairs or National Atomic Energy Authority) for subsequent transmission to the IAEA. A participant will be accepted only if the Participation Form is transmitted through the competent official authority of a Member State of the IAEA or by an organization invited to take part in the symposium.

REGISTRATION

No registration fee is charged to participants.

KEY DEADLINES

15 April 2006	Submission of synopses for papers and posters
15 April 2006	Submission of grant applications
15 September 2006	Submission of final version of papers

INFORMATION ON

- Participation
- Submission of papers
- Registration
- Grants

is provided on the symposium web site:
<http://www-pub.iaea.org/MTCD/Meetings/Announcements.asp?ConfID=148>

CONTACT PERSONS

Scientific Secretary:

Mr. D. Hurt
Section for System Studies
Division of Concepts and Planning
Department of Safeguards
International Atomic Energy Agency
Wagramer Strasse 5, P.O. Box 100
A-1400 Vienna, Austria
Telephone No.: (+43 1) 2600 22198
Telefax No.: (+43 1) 26007
Email: D.Hurt@iaea.org

Email address for paper submission:
2006sgsymposium@iaea.org

Administration and organization:

Ms. K. Morrison
Conference Services Section
Division of Conference and Document Services
IAEA-CN-148
International Atomic Energy Agency
Wagramer Strasse 5, P.O. Box 100
A-1400 Vienna, Austria
Telephone No.: (+43 1) 2600 21317
Telefax No.: (+43 1) 26007
Email: K.Morrison@iaea.org

Symposium on International Safeguards ADDRESSING VERIFICATION CHALLENGES

Vienna, Austria
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Organized by the



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INTRODUCTION

A safeguards symposium has traditionally been organized by the IAEA approximately every four years. The symposium provides an important forum for in-depth interaction between the IAEA and Member States on a wide variety of safeguards and verification issues.

The purpose of the symposium is to foster dialogue and information exchange on current and future challenges to nuclear verification, focusing on safeguards concepts, technologies and experience.

PAPERS AND POSTERS

Topics of Interest

Current Challenges to the Safeguards System

- Promoting universal implementation of safeguards agreements and additional protocols
- Drawing safeguards conclusions at the State level – experience and challenges
- Analysing procurement and supply networks in sensitive nuclear technologies and information

Further Strengthening of Safeguards Practices and Approaches

- Applying quality management practices to safeguards
- Developing training for safeguards inspectors and State safeguards personnel
- Improving safeguards approaches at both facility and State levels
- Safeguarding large-scale fuel reprocessing plants and uranium enrichment facilities – experience and challenges
- Further developments in integrated safeguards
- Improving guidance for States on safeguards implementation

- Enhancing cooperation with State and regional safeguards authorities
- Improving the effectiveness of State safeguards authorities
- Performing complementary access – experience to date and further development

Improving the Collection and Analysis of Safeguards Information

- Further developing the safeguards State evaluation process – data collection, analysis and evaluation
- Developing new capabilities for information gathering, processing, analysis, evaluation, storage and retrieval
- Improving reporting from States, including design information, material accounting reports and additional protocol declarations
- Expanding the sources and coverage of open source information
- Making the best use of satellite imagery
- Information security

Advances in Safeguards Techniques and Technology

- Improving environmental sampling implementation, including reducing analysis time, improving detection capabilities, and improving sample processing capability
- Advances in destructive analysis techniques
- Review of safeguards equipment and techniques – defining needs for the future
- Deploying improved non-destructive assay methods, including unattended systems
- Improving containment and surveillance methods
- Extending the application of remote monitoring
- Improving statistical analysis methods
- Developing innovative safeguards technologies for difficult nuclear material measurements
- Developing new techniques for detecting undeclared nuclear material and activities

Future Challenges

- Anticipating future vulnerabilities in IAEA safeguards
- Addressing future human resources issues, including IAEA recruitment and training
- Applying sound knowledge management practices to safeguards
- Future interactions between IAEA safeguards and trade in sensitive nuclear technologies
- Dual-use equipment and technology and implications for safeguards
- Safeguards for new types of nuclear facilities and fuel cycles (including geological repositories)
- Supporting the development of more proliferation-resistant nuclear fuel cycles

EXHIBITION OF EQUIPMENT AND SERVICES

Equipment and services, including commercially available products, will be exhibited during the symposium. Interested parties should contact Mr. M. Aparo.

Mr. M. Aparo
Installed Systems Section
Division of Technical Support
Department of Safeguards
International Atomic Energy Agency
Wagramer Strasse 5, P.O. Box 100
A-1400 Vienna, Austria
Telephone No.: (+43 1) 2600 21844/21843
Telefax No.: (+43 1) 26007
Email: M.Aparo@iaea.org