



## **INTERNATIONAL CONFERENCE ON SAFETY IN THE TRANSPORT OF RADIOACTIVE MATERIAL**

Vienna, Austria  
7-11 July 2003

*organized by the*  
International Atomic Energy Agency

*Co-sponsored by the*  
International Civil Aviation Organization  
International Maritime Organization  
Universal Postal Union

*In co-operation with the*  
International Air Transport Association  
International Organization for Standardization

[Note by Secretariat: All individuals shown in this provisional programme have been or are in the process of being invited to participate. However, not all have as yet been able to respond to the invitations; thus changes in the programme can be expected.]

## **Programme**

(As of 1 July 2003)

## TIMETABLE

### SUNDAY, 6 JULY 2003

16:00 – 19:00 Registration  
17:00 – 18:00 Coordination Meeting with Chairs, Co-Chairs and Rapporteurs

### MONDAY, 7 JULY 2003

08:00 Registration  
08:30 Speakers Briefing  
09:30 Opening Session  
11:00 Coffee Break  
11:20 Background Session  
12:30 Lunch Break  
14:00 Background Session (cont'd)  
15:30 Coffee Break  
15:50 Explanatory Topical Session & Discussions  
17:30 Poster Session 1 and IAEA Reception  
19:30 Adjourn

### TUESDAY, 8 JULY 2003

08:30 Speakers Briefing  
09:30 Round Table & Discussions  
11:30 Lunch Break  
13:30 Technical Session 1 & Discussions  
15:00 Coffee Break  
15:30 Technical Session 2 & Discussions  
17:00 Poster Session 2  
18:30 Adjourn

### WEDNESDAY, 9 JULY 2003

08:15 Speakers Briefing  
09:00 Technical Session 3  
10:30 Coffee Break  
11:00 Technical Session 3 cont'd (Discussions)  
12:30 Lunch Break  
14:00 Technical Session 4 & Discussions  
15:20 Coffee Break  
15:50 Panel 1 & Discussions  
17:20 Poster Session 3  
18:30 Adjourn

### THURSDAY, 10 JULY 2003

08:15 Speakers Briefing  
09:00 Technical Session 5  
10:40 Coffee Break  
11:10 Technical Session 5 cont'd (Discussions)  
12:30 Lunch Break  
14:00 Technical Session 6 & Discussions  
15:30 Coffee Break  
16:00 Panel 2 & Discussions  
17:30 Poster Session 4  
18:30 Adjourn

### FRIDAY, 11 JULY 2003

08:15 Speakers Briefing  
09:00 Technical Session 7 & Discussions  
11:00 Coffee Break  
11:20 Oral Summaries of Sessions by Chairpersons  
12:20 Summary and Technical Findings of the Conference  
12:40 Closing of the Conference

**SUNDAY, 6 JULY 2003**

**16:00-19:00 Registration**

**MONDAY, 7 JULY 2003**

**08:00 Registration**

**09:30 Opening Session**

**Welcoming addresses:**

M. El Baradei, Director General, International Atomic Energy Agency (IAEA)  
M. Hughes, President of the Conference, Australia

**10:00 Addresses by Co-sponsoring Organizations:**

K. Rooney, International Civil Aviation Organization (ICAO)  
I. Rahim, International Maritime Organization (IMO)  
E. Andersen, Universal Postal Union (UPU)

**11:00 Coffee Break**

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**MONDAY, 7 JULY 2003**

**11:20 Background Session**

**Chairperson:** O. Kervella, UNECE (United Nations Economic Commission for Europe)  
**Vice Chair:** F. Abdel-Rahman, Egypt

**Addresses by Co-operating Organizations:**

J. Abouchaar, International Air Transport Association (IATA)  
P. Malesys, Int'l Organization for Standardization (ISO)

**Presentations from:**

A. González, IAEA General background and role of the IAEA in Transport Safety  
E. Morgan-Warren, INUCE The conference on radioactive materials transport – 2002

**12:30 Lunch Break**

**14:00 Background Session (cont'd)**

**Chairperson** M. Hughes, Australia  
**Vice Chair:** F. Abdel-Rahman, Egypt

**Presentations from:**

D. Clein, Argentina The IAEA Regulations for the Safe Transport of Radioactive Material – its content and application  
R. Rawl, USA History and development of the international system of transport safety regulatory requirements and legal instruments  
C. Young, UK Role of national competent authorities in facilitating regulation of the transport of radioactive material  
L. Green, WNTI\* Industry perspective on transport operations and safety  
A. Tisdall, IFALPA\* The role of worker NGOs in ensuring safety in the transport of radioactive material  
R. Pope, IAEA International efforts on developing security in transport recommendations

**15:30 Coffee break**

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INUCE (Institution of Nuclear Engineers)

WNTI (World Nuclear Transport Institute)

IFALPA (International Federation of Airline Pilot's Association)

## MONDAY, 7 JULY 2003

### 15:50 Explanatory Topical Session: Liability

**Chairperson:** R. Elk, South Africa

**Vice Chair:** S. McIntosh, Australia

#### Presentations of invited and contributed papers

- |                           |  |
|---------------------------|--|
| V. Bulanenkov, Russia     | Current Status of International Liability Regime (invited paper)   |
| M. Leger, France          | Comparison between the revised Vienna and Paris Conventions on Nuclear Liability in the field of nuclear energy. Provisions applicable to transport of radioactive materials (contributed paper) |
| E. Carroll, Ireland       | Liability in the transport of radioactive materials (contributed paper)  |
| N. Horbach, Netherlands   | Nuclear liability conventions and transport: An overview (contributed paper)   |
| W. Mansfield, New Zealand | Liability in the transport of nuclear material: Existing liability regimes and gaps in their coverage (contributed paper)  |
| P. Reyners, OECD          | The modernisation of the international nuclear liability regime: its impact on transport operations (contributed paper)  |
| C. Azurin-Araujo, Peru    | Towards a global and comprehensive IAEA's nuclear liability regime, in particular for nuclear damage caused during the transport of radioactive material (contributed paper)                     |
| B. McRae, USA             | Convention on Supplementary Compensation: Path to a Global Liability Regime Covering Nuclear Incidents during Transport (contributed paper)  |

### 16:50 Discussions

### 17:30 Poster Session 1 and IAEA Reception

19:30 Adjourn

**TUESDAY, 8 JULY 2003**

**09:30 Round Table: Communication with the Public and between Governments**

**Chairperson: A. MacLachlan, Nucleonics Week**

**Vice Chair: A. Hart, Peru**

**Presentations of summary and contributed papers:**

- |                     |   |
|---------------------|---|
| J.A. Read, Canada   | Communication with the Public and between Governments (summary of contributed papers) |
| H.J. Neau, France   | COGEMA LOGISTICS' global information policy for transports (contributed paper)        |
| F. Maughan, Ireland | Communication between Governments (contributed paper)                                 |
| J. Stewart, UK      | Communication by the Competent Authority: Why and how (contributed paper)             |

**10:30 Discussions**

**11:30** Lunch break

**13:30 Technical Session 1: Effectiveness of Radiation Protection in Transport**

**Chairperson: J. Joly, France**

**Rapporteur: S.M. Magnusson, Iceland**

**Presentations of summary and contributed papers:**

- |                      |   |
|----------------------|---|
| C. Fasten, Germany   | Effectiveness of radiation protection in transport (summary of contributed papers)                        |
| S. Trivelloni, Italy | Statistics on the road transport of radioactive materials in Italy (contributed paper)                    |
| Y. Ikezawa, Japan    | Present status on radiation protection for transport of radioactive material in Japan (contributed paper) |

**14:20 Discussions**

**15:00** Coffee Break

**TUESDAY, 8 JULY 2003**

**15:30 Technical Session 2: Compliance and Quality Assurance**

**Chairperson: C. Pecover, UK**  
**Rapporteur: M. Kubo, Japan**

**Presentations of invited and contributed papers:**

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|------------------------|--|
| G. Dicke, IAEA         | Appraising state's regulation of the transport of radioactive material – a report on the IAEA's Transport Safety Appraisal Service (TranSAS) (invited paper) |
| L. Baekelandt, Belgium | Experience with the Transport Safety Appraisal Service (TranSAS), a Key to Compliance Assurance (invited paper)  |
| S. O'Connor, USA       | U.S. Nuclear Regulatory Commission Quality Assurance roles and responsibilities for radioactive materials transport (contributed paper)                      |
| G. Fisher, UK          | Framework of the BNFL international transport management system (contributed paper)  |

**16:30 Discussions**

**17:00 Poster Session 2**

**18:30 Adjourn**

**WEDNESDAY, 9 JULY 2003**

**09:00      Technical Session 3: Packaging and Transport of Radioactive Materials  
(Fuel cycle and non-fuel cycle)**

**Chairperson:**            **T. Saegusa, Japan**  
**Rapporteur:**            **B.G. Dekker, Netherlands**

**Presentations of invited and summary papers:**

R. Steane, Canada	Packaging and transport of nuclear fuel cycle materials (summary of contributed papers)
W. Wilkinson, WNTI	Packaging and transport of nuclear fuel cycle materials (invited paper)
A.J. Bekker, South Africa	Packaging and transport of non-nuclear fuel cycle materials (summary of contributed papers)
D. Rogers, UK	Transport of high-activity sources for industry and medicine (invited paper)

**10.30**      Coffee break

**11.00      Technical Session 3 (cont'd): Packaging and Transport of Radioactive Materials  
(Fuel cycle and non-fuel cycle)**

**Discussions**

**12:30**      Lunch Break

**14:00      Technical Session 4: Packaging and Transport of non-standard Radioactive Materials**

**Chairperson:**            **R. Boyle, USA**  
**Rapporteur:**            **S.P. Agarwal, India**

**Presentations of summary and contributed papers:**

J.-Y. Reculeau, France	Packaging and transport of non-standard radioactive materials (summary of contributed papers)
J.H. Selby, South Africa	The transport of bulk quantities of naturally occurring radioactive materials - with the focus on Zircon sand (contributed paper)
G.Nabakhtiani, Georgia	Packaging and transport of non-standard radioactive materials (orphan sources) - feedback on small countries radiation safety in extreme situations (contributed paper)

**14:50      Discussions**

**15.20**      Coffee break



**WEDNESDAY, 9 JULY 2003**

**15:50 Panel 1: Assessment of Regulatory Criteria**

**Chairperson: R. Clark, Canada**  
**Vice Chair: H. Basaez Pizarro, Chile**

**Presentations of invited, summary and contributed papers:**

H. Akiyama, Japan	Summary of maritime radioactive material transport safety studies in Japan (summary of contributed papers)
P.A. Booker, UK	Collision proof properties associated with the ships operated by Pacific Nuclear Transport Ltd and damage survivability in the event of a collision (contributed paper)
J. Cook, USA	Summary of maritime radioactive material transport safety studies in the USA (summary of contributed papers)
F. Chen, Panama	A transit state's view of maritime radioactive material transport (invited paper)

**16:35 Discussions**

**17:20 Poster Session 3**

**18:30 Adjourn**

**THURSDAY, 10 JULY 2003**

**09:00            Technical Session 5: Effectiveness of the Regulatory Process**

**Chairperson:            N. Bruno, Brazil**  
**Rapporteur:             J. Aguilar, France**

**Presentations of invited and summary papers:**

J. Duffy, Ireland	Effectiveness of the regulatory process at the international level (summary of contributed papers)
K. Rooney, ICAO	Effectiveness of the regulatory process at the international level (invited paper)
S.A. Masinza, Kenya	Effectiveness of the regulatory process at the state level (summary of contributed papers)
S. Türkes, Turkey	Effectiveness of the regulatory process at the state level (summary of contributed papers)

**10:40**            Coffee break

**11:10            Technical Session 5 (cont'd): Effectiveness of the Regulatory Process**

**Discussions**

**12:30**            Lunch Break

**14:00            Technical Session 6: Adequacy of Safety Requirements**

**Chairperson:            J. Duffy, Ireland**  
**Rapporteur:             B. Droste, Germany**

**Presentations of summary and contributed papers:**

J. van Aarle, Switzerland	Adequacy of Safety Requirements (summary of contributed papers)
R.J. Lewis, USA	U.S. Nuclear Regulatory Commission's package performance study for spent nuclear fuel transportation (contributed paper)

**14:50**            Discussions

**15:30**            Coffee break

**THURSDAY, 10 JULY 2003**

**16:00 Panel 2: Identifying Areas for Potential Improvement of the Regulatory Regime**

**Chairperson: F. Nitsche, Germany**

**Vice Chair: P. Bubar, USA**

**Presentations of invited, summary and contributed papers:**

- |                         |   |
|-------------------------|---|
| C. Ardouin, New Zealand | Identifying areas for potential improvement of the regulatory regime (summary of contributed papers)            |
| I. Gibbs, Australia     | Proposed regulatory changes to create a new category for some medical radioactive shipments (contributed paper) |
| R. Brown, USA           | The importance of radiopharmaceuticals and radionuclides in medicine and research (contributed paper)           |
| J. Abouchaar, IATA      | The role of the airline industry in the carriage of radioactive materials (invited paper)                       |

**16:50 Discussions**

**17:30 Poster Session 4**

**18:30 Adjourn**

**FRIDAY, 11 JULY 2003**

**09:00            Technical Session 7: Emergency Preparedness and Response**

**Chairperson:            J. Turnbull, New Zealand**

**Rapporteur:            M. Miller, UK**

**Presentations of contributed and summary papers:**

P. Malesys, France            Emergency preparedness and response  
(summary of contributed papers)

M. Fox, UK                    Emergency response arrangements for the Pacific Nuclear  
transport fleet (contributed paper)

F. Ugletveit, Norway            Emergency preparedness during maritime transport of nuclear  
and radioactive materials in international waters  
(contributed paper)

S.M. Warner-Jones, UK            Reporting and recording of accidents and incidents involving  
the transport of radioactive materials in the UK  
(contributed paper)

**10:00            Discussions**

**11:00**            Coffee break

**11:20            Oral Summaries of Sessions by Chairpersons**

Technical Sessions

Panel Sessions

Explanatory Topical Session

Round Table

**12:20            Closing Session**

**Summary and Technical Findings of the Conference**

M. Hughes, Australia, Conference President

**Closing Remarks**

T. Taniguchi, Deputy Director General,  
Department of Nuclear Safety and Security, IAEA

**12.40            Closing of the Conference**

M. Hughes, Australia, Conference President

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Findings will be distributed in hardcopy to conference participants immediately following the presentation by the Conference President.