Commission on Safety Standards

Fourteenth Meeting
17–19 November 2003
IAEA Headquarters, Vienna
Report of the Meeting

1. Opening

Mr. Taniguchi, Deputy Director General, Head of the Department of Nuclear Safety and Security, opened the 14th meeting of the Commission on Safety Standards, extending a warm welcome to all participants and introducing Mr. I. Robinson, the new Chairman of the Radiation Safety Standards Committee.

2. Adoption of Agenda and Report of the 13th Meeting

The agenda for the 14th meeting of the Commission was approved. The approved agenda is attached as Annex I. The draft report of the 13th meeting was approved.

3. Overview of the Activities of the Department of Nuclear Safety and Security

Mr. Taniguchi presented an overview of recent events and current issues relating to the activities of the Department of Nuclear Safety and Security and informed the Commission of the following:

- Results of activities relating to safety and security at the General Conference, including the Scientific Forum and the senior regulators' meeting.
- Restructuring of the Department.
- Medium term strategy.
- The Commissions' activities for the next term.

3.1. Division of Nuclear Installation Safety

Mr. Brockman, Director of NSNI, reported on the activities of the Division with emphasis on safety services and the feedback of experience into the development of safety standards, and referred to the relationship between safety and security, the availability of standards, and the integration of safety culture into safety review missions and safety standards as areas of challenge and need.

3.2. Division of Radiation, Transport and Waste Safety

Mr. Gonzalez, Director of NSRW, reported on principles relating to radiation effects (UNSCEAR) and radiation protection (ICRP) and informed the Commission of topical issues relating to radiation safety infrastructure, occupational radiation protection, safety of the transport of radioactive material, the international response to a nuclear or radiological emergency, the safety of radioactive waste management, controlling discharges of radioactive material to the environment, radioactive residues, the safety of decommissioning and the radiological protection of patients.

3.3. Office of Nuclear Security

Ms. Nilsson, Head of the Office of Nuclear Security, informed the Commission of the activities of the Office including:

- The nuclear security plan of activities (GOV/2002/10).
- The support from the Board of Governors and the General Conference for the development of recommendations and guidelines for nuclear security.
- A multi-track programme approach involving the international nuclear security framework (guidelines and recommendations), assistance and support for improved security (evaluation and appraisal services, education and training, methodology development and co-ordination with bilateral programmes), exchange of information and knowledge sharing (international conferences).
- Safety and security (synergies particularly in areas of regulatory infrastructure, categorization of sources, orphan source recovery, emergency response plans, radioactive waste management, and safety engineering and source design).
- Activities of Advisory Group on Nuclear Security (AdSec).
- Information on nuclear security documents, existing, in development and planned.

The Commission welcomed the sharing of information in relation to nuclear security and requested the Secretariat to arrange for the participation of the chairman of AdSec in future meetings of the Commission in order to strengthen the co-operation in areas of safety and security [Annex II, 14.1].

4. Policy Issues

4.1. Action Plan: Development and Application of the IAEA Safety Standards

The Chairman informed the Commission that the draft action plan submitted in advance of the meeting has been modified. A new draft plan was distributed and discussed. The Commission decided that the Chairman in consultation with the Secretariat should finalize the action plan taking into account suggestions made at the meeting. The final draft will then be submitted to the Director General with a recommendation to bring it to the attention of the Board of Governors in March 2004 [Annex II, 14.2].

4.2. The Code of Conduct on the Safety of Research Reactors

Mr. Deitrich presented the Code of Conduct, including the background, description, preparation, major issues addressed and the application of the guidance in the code. Mr. Tonhauser, Office of Legal Affairs, was also present for the discussion. The Commission was informed that the Code of Conduct is a policy document providing guidance to States for the development and harmonization of policies, laws and regulations on the safety of research reactors. It is planned to submit the Code of Conduct to the March 2004 Session of the Board of Governors. Comments from members of the Commission should reach the Secretariat by 19 December 2003.

4.3. Draft Report on the Commission's Second Term

The Chairman informed the Commission that the draft report on the second term would be modified to reflect the results of the current meeting and to put greater emphasis on the achievements of the Commission in its second term. The Commission decided that the Chairman in consultation with the Secretariat would finalize the report. The final draft will then be submitted to the Director General [Annex II, 14.2].

5. Status of the IAEA Safety Standards and Related Issues

5.1. Status of the Safety Standards

The Scientific Secretary informed the Commission that the Internal Steering Committee on Safety and Security Related Publications has been meeting regularly since its establishment earlier this year; it has reviewed the draft action plan and the draft safety standards submitted to the committees and the Commission for review. Two significant changes resulted in this review: (i) development of DS284 has been stopped until the draft Safety Requirements publication on assessment and verification is made available; (ii) significant changes were made to the draft of DS67 which was sent back to RASSC for approval before its submission to the Commission (See item 7.11). In this connection, the Commission was informed that the review of the drafts at this late stage was an exception and that in future the Steering Committee will focus on the review of draft standards at an early stage (i.e. prior to their submission to the committees).

The Commission was also informed that six Safety Guides (NS-G-1.4, NS-G-2.9, NS-G-2.10, NS-G-3.4, WS-G-2.5 and WS-G-2.6) had been published since the June meeting of the Commission. An additional three Safety Guides (NS-G-1.5, NS-G-1.6, NS-G-3.5) and two Safety Requirements publications (NS-R-3 and WS-R-3) are in the final stages of production and should be published before the end of 2003. The final version of DS17 is in production and TS-R-1, 2003 edition is in preparation.

The Commission expressed concern over the delays regarding the publication of translations of the safety standards. It was pointed out the availability of the translations of the safety standards is the most efficient way of communicating with the users. It was agreed that the Chairman should raise the issue in his letter to the Director General and to include the need for availability of translations in the action plan (see item 10 of this report).

5.2. Initial drafts of DS338 and DS339

Mr. Pieroni presented the initial draft of the Safety Requirements (DS338) and the outline of a Safety Guide (DS339). Written comments from Mr. Caubit da Silva were available to the Commission.

The Commission pointed out that the requirements in the published standards on quality assurance (50-C-Q) should not be lost in the revised versions and requested the Secretariat to ensure that both standards (DS338 and DS339) cover activities as well as facilities with focus on the management of safety. With these comments the Commission agreed that the established procedure for development of safety standards should be followed for further development of the two draft standards.

5.3. Structures of Safety Standards for Management Systems

Mr. Pieroni presented the current structure of the safety standards for Management Systems, indicating that a total of nine Safety Guides are to be prepared, and suggested revised titles for the draft standards to bring them into line with the draft Safety Requirements (DS338).

The Commission pointed out that the Safety Guides should meet the needs of users and be well integrated to cover all activities and facilities. DS113 was specifically mentioned in this regard. The Commission requested the Secretariat to continue the work on the draft standards for management systems, to submit these drafts to the committees and to inform the Commission of any significant changes in the scope or difficulties encountered in the drafting of the standards.

5.4. Structure of Safety Standards for Research Reactors

Mr. Boado Magan presented the recommendations of consultants on the structure of the safety standards for research reactors, stating that guidance by reactor type is not needed in separate publications; however, there may be some need for discussion of the reactor types in relation to safety analysis. The current structure of Safety Guides for research reactors includes three published Safety Guides (35-G1, 35-G2 and WS-G-2.1), three draft Safety Guides in an advanced stage of development (DS259, DS260 and DS261), and one approved DPP (DS325), with six Safety Guides planned.

The Commission stressed the need for progress with development of the draft standards for research reactors and requested NUSSC to review the drafts and planned Safety Guides for research reactors and to inform the Commission of the outcome at its next meeting [Annex II, 14.3].

6. Activities of the Committees on Safety Standards

6.1. Nuclear Safety Standards Committee (NUSSC)

Mr. Reiman informed the Commission that at its October meeting NUSSC reviewed the draft action plan and suggested a number of changes which have been incorporated. NUSSC is particularly pleased with the establishment of the Internal Steering Committee and the Secretariat's efforts to monitor, co-ordinate and harmonize the draft standards. The Commission was also informed that with the completion of this meeting there will be only two Safety Guides relating to nuclear power plants (DS288 and DS313) still in draft form which are expected to be ready for submission to the Commission in 2004. In future NUSSC will focus on the completion of the standards for research reactors and for fuel cycle facilities.

Mr. Bevington reported on the progress made since the last meeting and introduced a process for the revision of safety standards which was discussed at the last NUSSC meeting.

The Commission was encouraged with the deliberations on the process for the revision of safety standards and pointed out that the need for such a process is outlined in the action plan.

6.2. Radiation Safety Standards Committee (RASSC)

Mr. Robinson, new Chairman of RASSC, reported on the activities of RASSC and the response to the Commission's request to consider the development of a Safety Requirements publication for radiation related facilities and activities. The letter of the outgoing chairman of

RASSC was made available at the meeting. The Commission was informed that RASSC considers that the requirements for radiation related facilities and activities have already been established in the BSS, GS-R-1 and GS-R-2, and finds it beneficial to keep the number of Safety Requirements publications to a minimum. Furthermore, regarding the overall structure, RASSC is unable to support the development of facility specific Safety Guides. RASSC is of the view that further guidance is better suited for Safety Reports as they can provide explanatory material and practical illustrations.

The Commission considered the response of RASSC and pointed out that the committee members had contributed to the development of the overall structure. The Chairman noted that the purpose of the activities over the last two years (vision and strategy, overview document, overall structure and the action plan) has been to develop a set of comprehensive and harmonized safety standards to meet the needs of all users.

The Commission requested RASSC to keep an open mind on this issue, to examine the list of safety standards to see whether it is exhaustive and to report back to the Commission at the next meeting [Annex II, 14.4].

6.3. Waste Safety Standards Committee (WASSC)

Mr. Baekelandt reported on the activities of WASSC and introduced the progress report on the development of the Safety Guide (DS161) on Application of the Concepts of Exclusion, Exemption and Clearance. A note from Chairmen of WASSC and RASSC reporting on the progress of the Guide and the agreement on how to move forward was made available at the meeting. The Commission was encouraged with the agreement on the further development of DS161, endorsed the agreement and requested to be informed of any difficulties encountered in the January 2004, Consultants meeting or at the meetings of WASSC and RASSC in March 2004. The Commission also stressed that failure to reach agreement on this Safety Guide would have far-reaching harmful consequences and urged the committees to come to an agreement.

Mr. Baekelandt also presented a progress report on the development of the Safety Requirements on Geological Disposal of Radioactive Waste (DS154). A revised draft of DS154 prepared on the basis of the discussion at the September 2003 meeting has been submitted to OECD/NEA for review. Comments from NEA, if any, will be considered at next WASSC meeting and a final draft will be submitted to the Commission for review at the June 2004 meeting.

The Commission requested WASSC to consider the draft of the Safety Guide on Safe Storage of Radioactive Waste (DS292) and to determine whether it is appropriate for meeting the needs of both small and large users.

6.4. Transport Safety Standards Committee (TRANSSC)

Mr. Young presented an overview of the TRANSSC's functions, working methods, the conduct of its meetings and the response to Commission's request regarding the two-year review/revision cycle. The Commission was informed that TRANSSC had considered the request and decided almost with unanimity its preference for a biennial cycle of revision.

The Commission maintained that the approach to the two-year revision cycle is not practical. Mr. Taniguchi in his opening remarks and the further elaboration of the process by the Scientific Secretary for the CSS highlighted the inherent difficulties with the approach taken by

TRANSSC on this issue. The Chairman was requested to consider the topic in consultation with the Secretariat and to report back to the Commission.

Later in the meeting, the Chairman informed the Commission of his consultation with the Secretariat and proposed the following arrangements regarding the TRANSSC meetings and future publication of the Transport Regulations:

- TRANSSC is to meet twice a year to review draft safety standards (in fact, the members of TRANSSC have been meeting twice a year: once as TRANSSC and additionally as the 'Technical Committee Meeting on Guidance in Support of the Application of the Revised Transport Regulations'; in future both meetings will be TRANSSC meeting).

- The changes approved in June 2002 to the published Transport Regulations (TS-R-1) will be published as corrigenda in all official languages, and will be widely distributed and posted on the web in early 2004.

- The proposed changes planned for submission to the Commission in June 2004 will be edited in advance of the June meeting and will be submitted to the Board of Governors for approval after approval by the Commission in June 2004.

- The full text of the revised Transport Regulations is to be published in early 2005, with translations into other official languages to be published within six months.

- After 2005, a full text of the revised Transport Regulations will be sent to the Board of Governors once every six years and will be published in all the official languages (next one in 2011). Approved revisions between the years of publication will be published as corrigenda every two years in all official languages.

The Commission approved the proposals and requested the Secretariat to ensure that the deadlines are met and that publication (including corrigenda) would be timely.

7. Safety Standards

7.1. Format and Content of the Safety Analysis Report for Nuclear Power Plants (DS309), Safety Guide

Ms. Ranguelova, Technical Officer for the development of the Safety Guide, presented the document and outlined its development. The Safety Guide had been subjected to review by NUSSC and WASSC. The Commission endorsed the publication of this Safety Guide in the area of assessment and verification with the following change:

- Para. 3.181, 2nd sentence: change to read, "The corresponding surveillance, maintenance and repair requirements to ensure that parameters remain within specified limits and that the systems and components are operable should also be specified and where appropriate justified by probabilistic analyses."

- 7.2. Protection of Nuclear Power Plants against Internal Hazards Other than Fires and Explosions (DS299), Safety Guide

Mr. Labbé, Technical Officer for the development of the Safety Guide, presented the document and outlined its development. The Safety Guide had been subjected to review by NUSSC. The Commission endorsed the publication of the Safety Guide.

7.3. Geotechnical Aspects of NPP Site Evaluation and Foundations (DS300), Safety Guide

Mr. Labbé, Technical Officer for the development of the Safety Guide, presented the document and outlined its development. The Safety Guide had been subjected to review by NUSSC. The Commission endorsed the publication of the Safety Guide.

7.4. Protection against Internal Fires and Explosions in the Design of NPPs (DS306), Safety Guide

Mr. Contri, Technical Officer for the development of the Safety Guide, presented the document and outlined its development. The Safety Guide had been subjected to review by NUSSC. The Commission endorsed the publication of the Safety Guide.

7.5. Management of Waste from the Use of Radioactive Materials in Medicine, Industry Agriculture, Research and Education (DS160), Safety Guide;

Mr. Metcalf, Technical Officer for the development of the Safety Guide, presented the document and outlined its development. The Safety Guide had been subjected to review by WASSC and RASSC. It was pointed out that the final contents of Safety Guide DS161 might have implications for this Safety Guide. The Secretariat was requested to consider this and to consult the Chairman of CSS and the Chairman of WASSC on any proposal for changes to this Safety Guide arising from the approval of DS161. The Commission endorsed the publication of the Safety Guide.

7.6. Design of Emergency Power Systems for NPPs (DS303), Safety Guide

Mr. Saito, Technical Officer for the development of the Safety Guide, presented the document and outlined its development. The Safety Guide had been subjected to review by NUSSC. The Commission endorsed the publication of the Safety Guide.

7.7. Design of the Reactor Core in Nuclear Power Plants (DS283), Safety Guide

Mr. Saito, Technical Officer for the development of the Safety Guide, presented the document and outlined its development. The Safety Guide had been subjected to review by NUSSC. The Commission endorsed the publication of the Safety Guide with the following changes:

- Page 22, delete ‘footnote 6’.
- Careful review of ‘shall’ and ‘should’ to be performed to bring it into line with the requirements of NS-R-1 (e.g. see page 3 paras 2.2and 2.3).

7.8. Design of Reactor Containment Systems for Nuclear Power Plants (DS296), Safety Guide

Mr. Gasparini, Technical Officer for the development of the Safety Guide, presented the document and outlined its development. The Safety Guide had been subjected to review by NUSSC. The Commission endorsed the publication of the Safety Guide with the following change:

- Para. 4.150, 3rd sentence: change to read, "For new plants the merits of a complete or partial secondary containment should be considered."

7.9. Safety of Research Reactors (DS272), Safety Requirements

Mr. Boado Magan, Technical Officer for the development of the Safety Requirements, presented the draft document and outlined its development. The Safety Requirements text had been subjected to review by NUSSC. The Commission endorsed its submission to the Board of Governors for approval with the following changes:

- Para. 1.6, Delete the 2nd and 3rd sentences.

- Para. 1.9, line 1, change to read "Research reactors with powers <u>in excess</u> of several tens..."

- Para. 1.10, Replace to read, "It is assumed that all the requirements established here will be applied unless it can be justified that, for a specific research reactor, certain requirements may be waived. For each case, the requirements to be waived shall be identified with account taken of the possible nature and magnitude of the hazards presented by the facility and the activities conducted. The next section sets out factors that shall be analysed."

- Para. 1.14, Replace the leading sentence by "The factors to be considered in deciding whether certain requirements established here may be waived in applying a graded approach include:"

7.10. Design of the Reactor Coolant System and Associated Systems in Nuclear Power Plants (DS282), Safety Guide

Mr. Inagaki, Technical Officer for the development of the Safety Guide, presented the document and outlined its development. The Safety Guide has been subjected to review by NUSSC. The Commission endorsed the publication of the Safety Guide with the following changes:

- Insert new title after Para. 3.46 '*Prevention of combustible gas accumulation*'

- New Para. 3.46a: insert before 3.47 and after the new title "Hydrogen and oxygen generated by the decomposition of H_2O in the core can dissolve in the water and steam and be carried to any part of the reactor coolant system and connected systems. Gases dissolved in steam piping can easily accumulate when steam in a closed off section of piping cools down and condenses into water. A local accumulation of hydrogen gas in the reactor coolant system could give rise to the danger of an explosion that could result in severe damage. Design should be such that the possibility of combustible gas accumulation can be excluded."

- Para. 4.73 has lost some of its meaning in the revision after NUSSC approval, and should be reconsidered.

7.11. Regulatory Control of Radiation Sources (DS67), Safety Guide

Mr. Boal, Technical Officer for the development of the Safety Guide, presented the document and outlined its development. The Safety Guide had been subjected to review by RASSC. The Commission endorsed the publication of the Safety Guide with the following changes:

- Replace 'transportation' with 'transport' in paras. 1.8, 2.5 and 4.12.

8. Document Preparation Profiles

8.1. Decommissioning of Nuclear Facilities (DS333), Safety Requirements

Mr. Reisenweaver, Technical Officer, presented the DPP for the preparation of the Safety Guide. The DPP had been approved by WASSC and NUSSC. The Commission approved the DPP with following changes:

- Insert 'TS-R-1 Transport Regulations" in Section 3 (d).
- Add to the list under section 4, 'quality assurance including long term record keeping.'

8.2. Conduct of Operations at Nuclear Power Plants (DS347), Safety Guide

Mr. Vaišnys, Technical Officer, presented the DPP for the preparation of the Safety Guide. The DPP had been approved by NUSSC. The Commission approved the DPP.

8.3. Regulations for the Safe Transport of Radioactive Material, Revision of TS-R-1, 2007 Edition (DS345), Safety Requirements

Mr. Wangler, Technical Officer, presented the DPP for the preparation of the Safety Requirements. The DPP had been approved by TRANSSC, RASSC, WASSC and NUSSC. The Commission approved the DPP.

8.4. Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Material, Revision of TS-G-1.1, 2007 Edition (DS346), Safety Guide

Mr. Wangler, Technical Officer, presented the DPP for the preparation of the Safety Guide. The DPP had been approved by TRANSSC, RASSC, WASSC and NUSSC. The Commission approved the DPP.

8.5. Safety of Conversion and Enrichment Facilities (DS344), Safety Guide,

Ms. Ranguelova, acting for the Technical Officer, presented the DPP for the preparation of the Safety Guide. The DPP had been approved by RASSC, WASSC and NUSSC. The Commission approved the DPP with the following changes:

- In Section 4, Contents, replace 'Transportation' by 'Transport'.
- In Section 5. Production, include TRANSSC under (1) and (2).

9. Presentation and Discussion of Regulatory Issues

The members of the Commission presented recent regulatory issues of significance.

10. Letter to the Director General

The Chairman would write to the Director General submitting the final draft of the action plan and the four-year report of the Commission. The Chairman would also inform the Director General of the following:

- Difficulties encountered in publishing the English versions and an authoritative text of the translations of the safety standards.
- The resolution of the two-year cycle for the Transport Regulations.
- Progress on DS161.
- Participation of Chairman AdSec in the Commission meetings.
- Approval of the draft Safety Requirements for research reactors.

11. Dates and Agenda for the next Meeting

The schedule of the meetings of the Commission and committees for 2004 is:

Commission:	7–9 June	15–17 November
NUSSC:	5–7 April	19–21 October
RASSC:	22–26 March	18–22 October
WASSC:	22–26 March	18–22 October
TRANSSC:	22–26 March	27 September-1 October

The tentative lists of standards to be reviewed at the next meeting of the Commission include DS161 and DS154.

ANNEX I

AGENDA
14th Meeting of the
COMMISSION ON SAFETY STANDARDS
17–19 November 2003

Meeting Room CO7-IV, IAEA Headquarters, Vienna

1. Opening of the Meeting (14:00)
   T. Taniguchi, DDG-NS

2. Introductions, Adoption of the Agenda and Summary Record of the 13th Meeting, *L.G. Williams*

3. Overview of the Activities in the Department of Nuclear Safety and Security
   - 3.1. Division of Nuclear Installation Safety: *K.E. Brockman, DIR-NSNI*
   - 3.2. Division of Radiation, Transport and Waste Safety: *A. Gonzalez, DIR-NSRW*
   - 3.3. Office of Nuclear Security: *A. Nilsson, Head*

4. Policy Issues
   - 4.1. Action Plan for Safety Standards: *A. Karbassioun*
   - 4.2. The Code of Conduct on the Safety of Research Reactors: *W. Deitrich*
   - 4.3. Draft Report of the Commission's Second Term: *L.G. Williams*

5. Status of the IAEA Safety Standards and Related Issues
   - 5.1. Status of the IAEA Safety Standards: *A. Karbassioun*
   - 5.2. Initial drafts of DS338 and DS339: *N. Pieroni*
   - 5.3. Structure of Safety Standards for Management Systems: *N. Pieroni*
   - 5.4 Structure of Safety Standards for Research Reactors: *H. Boado Magan*

6. Presentations and Discussion of Reports of Safety Standards Committees
   - 6.1. Nuclear Safety Standards Committee
     L. Reiman, Chairman/L. Bevington, Scientific Secretary — NUSSC
   - 6.2. Radiation Safety Standards Committee
     I. Robinson, Chairman/T.J. Boal, Scientific Secretary — RASSC
   - 6.3. Waste Safety Standards Committee
     L. Baekelandt, Chairman/K. Hioki, Scientific Secretary — WASSC
   - 6.4. Transport Safety Standards Committee
     C. Young, Chairman/M. Wangler, Scientific Secretary — TRANSSC

7. Safety Standards
   - 7.1. Format and Content of the Safety Analysis Report for Nuclear Power Plants (DS309), Safety Guide; *V. Ranguelova, Technical Officer*
   - 7.2. Protection of Nuclear Power Plants against Internal Hazards Other than Fires and Explosions (DS299), Safety Guide; *P. Labbé, Technical Officer*
   - 7.3. Geotechnical Aspects of NPP Site Evaluation and Foundations (DS300), Safety Guide; *P. Labbé, Technical Officer*

7.4. Protection against Internal Fires and Explosions in the Design of NPPs (DS306), Safety Guide; *P. Contri, Technical Officer*

7.5. Management of Waste from the Use of Radioactive Materials in Medicine, Industry, Agriculture, Research and Education (DS160), Safety Guide; *P. Metcalf, Technical Officer*

7.6. Design of Emergency Power Systems for NPPs (DS303), Safety Guide; *T. Saito, Technical Officer*

7.7. Design of the Reactor Core in Nuclear Power Plants (DS283), Safety Guide; *T. Saito, Technical Officer*

7.8. Design of Reactor Containment Systems for Nuclear Power Plants (DS296), Safety Guide; *M. Gasparini, Technical Officer*

7.9. Safety of Research Reactors (DS272), Safety Requirements; *H. J. Boado Magan, Technical Officer*

7.10. Design of the Reactor Coolant System and Associated Systems in NPPs (DS282), Safety Guide; *T. Inagaki, Technical Officer*

7.11. Regulatory Control of Radiation Sources (DS67), Safety Guide; *T. Boal, Technical Officer*

8. Document Preparation Profiles

8.1. Decommissioning of Nuclear Facilities (DS333), Safety Requirements; *D. Reisenweaver, Technical Officer*

8.2. Conduct of Operations at Nuclear Power Plants (DS347), Safety Guide; *P. Vaišnys, Technical Officer*

8.3. Regulations for the Safe Transport of Radioactive Material, Revision of TS-R-1, 2007 Edition (DS345), Safety Requirements; *M. Wangler, Technical Officer*

8.4. Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Material, Revision of TS-G-1.1, 2007 Edition (DS346), Safety Guide; *M. Wangler, Technical Officer*

8.5. Safety of Conversion and Enrichment Facilities (DS344), Safety Guide; *P. Nocture, Technical Officer*

9. Presentation and Discussion of Regulatory Issues *(CSS Members)*

10. Other business

11. Report of the Meeting and Recommendations, Date of the next meetings

ANNEX II

ACTIONS ARISING FROM

THE 14th MEETING OF THE COMMISSION

14.1. The Commission welcomed the sharing of information in relation to nuclear security and requested the Secretariat to arrange for the participation of the chairman of AdSec in future meetings of the Commission in order to strengthen the co-operation in areas of safety and security. *(Ref. Item 3.3)* **[Action: Secretariat]**

14.2. The Commission decided that the Chairman in consultation with the Secretariat should finalize the action plan taking into account suggestions made at the meeting. The final draft will then be submitted to the Director General with a recommendation to bring it to the attention of the Board of Governors in March 2004. *(Ref. Item 3.3)* **[Action: Chairman and Secretariat]**

14.3. The Commission decided that the Chairman in consultation with the Secretariat would finalize the report. The final draft will then be submitted to the Director General *(Ref. Item 4.3)* **[Action: Chairman and Secretariat]**

14.4. The Commission requested RASSC to keep an open mind on this issue, to examine the list of standards to see whether it is exhaustive and to report back to the Commission at the next meeting *(Ref. Item 6.2)* **[Action: RASSC]**.

PARTICIPATION

The Commission

A. Oliveira, Argentina
A. Caubit da Silva, A. Souza de Assis, Brazil
J.K. Pereira, Canada
J. Gauvain, France *(A.-C. Lacoste*, sent apologies – unable to attend)
P. Herttrich, Germany (*W. Renneberg*, sent apologies – unable to attend)
S. Sukhatme, India (sent apologies – unable to attend)
T. Tobioka, E. Hiraoka, S. Akimoto, Japan
Y-S. Eun and C.H. Park, Korea, Republic of
A. Malyshev, Ms I. Kaliberda, A. Khamaza, Ms O. Romenkova, Russian Federation
G.A. Azuara and L. Santoma, Spain
L-E. Holm, Sweden (sent apologies – unable to attend)
U. Schmocker, Switzerland
V. Gryschenko, Ukraine
L.G. Williams (Chair), A. Hall and P. Dickenson, United Kingdom
W.D. Travers and Ms I. Schoenfeld, United States of America
C. Waeterloos, European Commission
K. Shimoura, OECD Nuclear Energy Agency
Note: Members of the Commission are indicated in *italics*

Chairmen of Committees

L. Reiman, NUSSC; I. Robinson, RASSC; C.N. Young, TRANSSC; L. Baekelandt, WASSC

IAEA Staff Members

T. Taniguchi, Deputy Director General, Department of Nuclear Safety and Security
K.E. Brockman, Director, Division of Nuclear Installation Safety (NSNI)
A.J. Gonzaléz, Director, Division of Radiation, Transport and Waste Safety (NSRW)
A. Nilsson, Head, Office of Nuclear Security
L. Lederman, Head, Safety and Security Co-ordination Section
L. Bevington, Safety Assessment Section (NSNI)
K. Hioki, Waste Safety Section (NSRW)
M. Wangler, Radiation Safety Section (NSRW)
T. Boal, Radiation Safety Section (NSRW)
W. Deitrich, Engineering Safety Section (NSNI)
N. Pieroni, Nuclear Power Engineering Section (NENP)
H. Boado Magan, Engineering Safety Section (NSNI)
V. Ranguelova, Safety Assessment Section (NSNI)
P. Labbé, Engineering Safety Section (NSNI)
P. Contri, Engineering Safety Section (NSNI)
P. Metcalf, Waste Safety Section (NSRW)
T. Saito, Engineering Safety Section (NSNI)
M. Gasparini, Engineering Safety Section (NSNI)
T. Inagaki, Engineering Safety Section (NSNI)
D. Reisenweaver, Waste Safety Section (NSRW)
P. Vaišnys, Operational Safety Section (NSNI)
W. Tonhauser, Office of Legal Affairs
A. Karbassioun, Scientific Secretary, Safety and Security Co-ordination Section