Commission on Safety Standards

Thirteenth Meeting

2–4 June 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 thirteenth meeting of the Commission on Safety Standards and extended a warm welcome to all participants. Mr. Taniguchi introduced two new members of the Commission: Mr. T. Tobioka from Japan, who replaces Mr. N. Suda, and Mr. A. Hall from the United Kingdom, who replaces Mr. R.P. Pape; and also Mr. C. Waeterloos, as an observer from the European Commission. Mr. Taniguchi also introduced Mr. K. Brockman, the new Director of the Division of Nuclear Installation Safety.

2. Adoption of Agenda and Report of the Twelfth Meeting

The agenda for the thirteenth meeting of the Commission was approved with amendments[1]. The approved agenda is attached as Annex I. The draft report of the twelfth meeting was approved with the following amendments:

- Page 5, Action 11.4, the last two sentences to be replaced by "*The Commission pointed out that the report prepared by the consultant is primarily based on response from regulatory bodies. The fact that there is only one response from a consignor and one International organization, the report cannot be considered a representative survey. The Commission is still not convinced of the appropriateness of the two-year review cycle, TRANSSC is requested to inform the Commission of any further development on the topic*";

- Page 10, Action 12.6, at the end modify to read "*(Ref. Item 4.3)*"

- Page 10, Action 12.7, at the end modify to read "*(Ref. Item 6.)*"

The list of actions arising from the deliberations at the thirteenth meeting is attached as Annex II.

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

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

- The renaming of the Department to the 'Department of Nuclear Safety and Security' effective 2003-01-01.

- The submission of the Commission's report on vision and strategy to the March session of the Board of Governors.

[1] Item 7.4 of the draft Agenda 'Safety Guide DS67' was withdrawn. Items 4.6 'Application of Waste Safety Standards, 10.1 'Preparation of the Commission's 2nd Term Report' and 10.2 'Topics for the Senior Regulators' Meeting' were added to the Agenda.

- The establishment of an internal Steering Committee composed of the seven Section Heads in the Department. The Steering Committee will review all safety standards for harmonization and consistency before they are submitted to the Committees for review, and will manage the necessary internal co-operation for the development of safety standards. The Steering Committee will also monitor the development of other safety related and security related documents to ensure consistency with the safety standards.

- The development of a Knowledge Management, Network and Integrated Safety Approach for the IAEA Safety Programme with the aim of developing better interaction and better feedback among important elements of the Department's activities.

- The fact that for the short and medium term there remain some legal and practical difficulties in establishing standards relating to security. However, other types of documentation, such as guidelines and recommendations, will be needed as a basic reference for nuclear security related activities both in the Agency and in Member States.

- The co-ordination between the activities of the Department, particularly between standards, guidelines and the various means for their application will be strengthened, to ensure consistency between documents on security and the safety standards.

3.1. Division of Nuclear Installation Safety

Mr. Brockman, Director of NSNI, reported on the activities of the Division covering trends and challenges in the areas of safety standards, safety services and regulatory effectiveness. In his presentation Mr. Brockman identified topics of physical security, research reactors, knowledge management, extended operations and safety culture as topics that present a challenge to nuclear safety today.

The Commission expressed concern regarding the procedure adopted for the development of Codes of Conduct in general and the short period (one month) given to the Member States for comments on the Code of Conduct for Research Reactors. Mr. Brockman informed the Commission that a decision on further development of the Code of Conduct will be made on the basis of comments from Member States.

Subsequently, it was decided to extend the comment period to 1 September 2003. Additionally, the Director, NSNI, and the Commission's Chair are pursuing how best the Commission can serve as a reviewing body for this Code. A discussion of the Code will be included in the agenda for the November meeting of the Commission.

3.2. Division of Radiation and Waste Safety

Mr. Gonzalez, Director of NSRW, reported on activities relating to radiation, transport and radioactive waste safety and presented the profile of staff involved in the various activities. Mr. Gonzalez informed the Commission that, generally, activities of the Division emerge from the findings of international conferences organized by the Division, which with the approval of the Board of Governors are transformed into international action plans. The Commission was informed of the status of various international action plans covering the topics of:

- Occupational radiation protection;

- Radiological protection of patients;

- Safety of radiation sources and security of radioactive material;
- Security of radioactive sources;
- Safety of radioactive waste management;
- Decommissioning.

Mr. Gonzalez also informed the Commission of the status of the model projects and transport safety appraisal services.

4. Policy Issues

4.1. Follow-up to the recommendations of the panel on the IAEA Programme Evaluation; Safety Standards Related Activities

Mr. Versteeg reported on the main findings and the Secretariat's response to the recommendations of the panel. It was pointed out that the exercise of the external review conducted by the panel proved to be a good supplement to and a confirmation of the Commission' advice on the topic.

The Commission was also informed that sales of safety standards have increased significantly since the introduction of the policy to post the full text of the safety standards on the Agency's website. It was decided to bring this to the attention of the Director General with a suggestion to consider using the proceeds from the sales of safety standards towards the translation of the standards into other official languages (see Section 10 of this report).

The Commission took note of a suggestion made by one of the members regarding regular reports from regulatory bodies on the use made of the IAEA safety standards. The Commission will consider the proposal as part of the action plan for the safety standards.

4.2. Overall Structure of the IAEA Safety Standards

The Scientific Secretary presented the draft report on the new structure of the safety standards, prepared on the basis of comments from the Committees. The structure includes nine thematic and seven facility and activity areas. The Commission was informed that although, according to the new overall structure, many of the areas require only minor modifications, other areas (such as management systems, radiation related facilities and activities, and waste management) will require significant changes to draft standards and published standards and the development of new standards. The Commission was also informed that an internal review of the proposed new standards, DPPs and draft standards for the area of management systems is planned by the internal Steering Committee (see Section 3 of this report).

The Commission was in general agreement with the new structure for the safety standards. The Committees were requested to have a closer look at the overall structure and to take into account the points raised at the Commission's meeting.

The Secretariat was requested to present the results of the review of safety standards in the areas of management systems at the next meeting of the Commission. [Annex II, 13.1].

In the course of discussion it was pointed out that the area of radiation related facilities and activities is the only area not supported by a Safety Requirements publication. The importance

of this area was emphasized in view of the fact that radiation related facilities are more numerous than larger facilities and are often dispersed over a wide geographic area. This makes it very important to have clear requirements for these facilities. The Chairman asked Mr. Mason, Chairman of RASSC, to inform the Committee and to consider the development of a Safety Requirements publication on radiation related facilities and activities. [Annex II, 13.2].

It was also pointed out that the standards being developed for research reactors are general in nature and cover many different types and sizes of research reactors from zero power up to tens of MW. The Commission was informed that a consultants meeting is planned in August this year to review the structure of the standards for research reactors; their comments will be considered in the overall review. The Secretariat was requested to bring the Commission's concerns regarding the standards for research reactors to the attention of the consultants group, and to inform the Commission of the outcome at the November meeting. [Annex II, 13.3].

The Secretariat was also requested to prepare a poster featuring all safety standards published, in draft and planned, clearly marked for each of the areas. The poster should be ready for display at the General Conference in September. [Annex II, 13.4].

4.3. Action Plan for Safety Standard

The Scientific Secretary presented a draft action plan covering the development, application and use of, and communication in connection with, the safety standards. The Commission was also informed of a number of internal comments in connection with the action plan. The Commission discussed the action plan and requested the Secretariat in consultation with the Committees to assign dates and to schedule time for the development of new standards and the proposed modification of the draft standards and published standards. The Secretariat was requested to prepare a revised action plan, in consultation with the Committees, for consideration at the November meeting of the Commission. [Annex II, 13.5].

A final version of the action plan will be prepared by early December 2003 for submission to the March 2004 session of the Board of Governors.

4.4. Overview of the IAEA Safety Standards

The Scientific Secretary presented a draft overview of the safety standards setting out the aims, vision, structure, process, review cycle and other aspects. An earlier draft of the document was circulated to the Committees for comments; the current draft was prepared with account taken of comments from the Committees.

The Commission was informed of a comment from RASSC on the use of the term 'best practices' in the description of the Safety Guides. The phrase had been modified to take account of the comment. Mr. Mason was not satisfied with the change stating that in the radiation protection area, owing to the principle of optimization, all three categories of standards (Safety Fundamentals, Safety Requirements and Safety Guides) describe best practices and not just the Safety Guides. The Chairman introduced a revised text for the description of the Safety Guides, on which the Commission agreed.

The Commission decided that the Secretariat in consultation with the Chairman would finalize the overview text and would take into account a number of other proposals made at the meetings of the Commission and the Committees. The final text will be sent to all

members. The text will be translated into the other official languages and will be made ready for distribution at the General Conference. [Annex II, 13.6].

4.5. Safety Fundamentals

The Chairman introduced the draft Safety Fundamentals text prepared by the subgroup of the Commission (Messrs Holm, Oliveira, Pereira and Williams). The Chairman proposed that the draft should take into account the changes introduced into the overview document and that the established procedure for the development of safety standards should be followed. The Commission decided that the draft should be submitted to the Committees for review.

4.6 Application of Waste Safety Standards

Mr. Metcalf presented the report on the development of a systematic programme for the application of safety standards, prepared in connection with the waste safety action plan. The Commission was informed that questionnaires have been developed for each waste safety standard, translating the guidance provided into a set of questions to be used in the preparation and review of national reports for the Joint Convention, peer review missions and education and training activities. The Commission was also informed that similar approaches have been adopted for the conduct of OSART and IRRT missions.

The Commission welcomed the initiative and asked if the technique could be extended to the nuclear safety standards. The Commission also pointed out that the exercise could also provide valuable feedback for the development of all standards and requested the Secretariat to keep the Commission informed of the progress made.

5. Status of Safety Standards and Actions from the Commission's Meetings

The Scientific Secretary informed the Commission of the status of the safety standards endorsed by the Commission and the progress made since the last meeting. The progress has been relatively good. One Safety Guide was published at the end of 2002, four Safety Guides are in production, two Safety Guides are in the process of being typeset and three Safety Guides are in the final stages of production. The Commission was also informed that the Transport Regulations TS-R-1 (as amended 2003), approved by the Commission in June 2002, has not yet been submitted for editing and publication (later in the meeting Mr. Pope informed the Commission that the draft will be submitted for publication by mid-July 2003).

The Scientific Secretary also reported on the response to the actions arising from the twelfth meeting of the Commission.

6. Activities of the Committees on Safety Standards

6.1. Nuclear Safety Standards Committee

Mr. Bevington reported on the progress of the standards since the last meeting of the Commission. At its last meeting, in addition to the review of the overall structure and the overview document, NUSSC approved eight DPPs for submission to the Commission; four of these DPPs (DS338, DS339, DS341 and DS332) are included in the agenda of the Commission, and the remaining four DPPs covering various aspects of research reactors were held back pending the outcome of the consultants meeting scheduled for August (see section 4.2 of this report). A total of nine safety standards were approved at the last meeting of

NUSSC for submission to the Commission in November, and two Safety Guides (DS313 and DS288) were approved for submission to Member States for comment.

Mr. Reiman informed the Commission that with the completion of the majority of the safety standards for nuclear power plants (the last two were approved for submission to Member States), the future work of NUSSC would be focused on safety standards for fuel cycle facilities and research reactors.

6.2. Radiation Safety Standards Committee

Mr. Boal, the new scientific secretary for RASSC, reported on the progress made at the last two meetings of RASSC (December 2002 and March 2003). Both meetings were held in the same week as WASSC meetings and included a joint session of the two Committees.

In addition to the review of the overall structure and the overview document, RASSC reviewed and approved the submission of DS67 to the Commission. RASSC also approved three DPPs (DS332, DS338 and DS339) for submission to the Commission. The Commission was also informed of the following:

- The initial review of DS105 was conducted by RASSC, the present draft is considered too long (about 250 pages). RASSC had proposed that some of the material could be published as a Safety Report. The Commission pointed out that if the material is considered useful then it should be published as part of the Safety Guide without a need for a separate publication.

- Review of DS17, DS160, DS161, DS162 and DS284 by the joint RASSC/WASSC meeting.

- Review of the User's Manual for the International Nuclear Event Scale (INES), for rating radiation events.

It was pointed out that the DPP for the proposed Safety Guide on justification should focus on medical sources and mining activities, as other justification decisions are for Member States to make based on the their particular circumstances.

6.3. Waste Safety Standards Committee

Mr. Baekelandt reported on the progress since the two meetings of WASSC held since the last meeting of the Commission. WASSC approved five DPPs for submission to the Commission; the discussion of these DPPs is included in the agenda of this meeting. The Commission was also informed of the following:

- Safety Requirements draft DS162 was approved for submission to the Commission (agenda item 7.1).

- Safety Guides DS160 and DS284 were approved for submission to the Commission; the two Safety Guides are being reviewed internally before submission to the Commission in November 2003 for review.

- Draft Safety Requirements on geological disposal (DS154) and draft Safety Guide DS161 were submitted to the Member States for comment in April. This is the second time that DS161 is being sent to Member States. The due date for the comments for both

documents is mid-August. It is expected to submit DS154 and DS161 to the Commission in November 2003.

6.4. Transport Safety Standards Committee

Mr. Pope reported on activities related to transport safety and informed the Commission that Mr. Wangler, the new head of the Transport Safety Unit, offered his apologies for absence; Mr. Wangler and Mr. Young were both attending a Radioactive Transport Study Group meeting. The RTSG convenes on average once per year and is constituted of the Competent Authorities for Transport Safety from many of the IAEA Member States; it is, however, convened outside the authority of the IAEA. It works to discuss issues relating to regulating the transport of radioactive material and provides a valuable separate mechanism for fostering safety and compliance. Topics of importance discussed at RTSG are brought to TRANSSC, and issues raised at TRANSSC are discussed at RTSG.

The Commission was informed of the status of the review of Transport Regulations. The second two-year review cycle is under way; all Member States and involved international organizations were asked, at the beginning of 2002, to provide comments and to propose changes to the Transport Regulations and the supporting advisory document.

The Agency received approximately 200 proposed changes, which were reviewed at the Review Panel Meeting in 2002, and TRANSSC considered the results at its February 2003 meeting. Around 120 of the proposals were rejected as not being appropriate or not being sufficiently developed or justified, 20 were judged as minor changes and were approved for incorporation into the next edition (projected to be in 2005) and approximately 60 were accepted for further consideration and are currently out for 120-day review and comment by Member States. The next Review Panel, which will consider the results of the 120-day review, will convene in November 2003 and the next TRANSSC will review those results in early 2004.

Mr. Pope also informed the Commission that TRANSSC was virtually unanimous in reconfirming its wish to retain the two yearly review cycle, although some Member States and involved non-governmental organizations continue to question the short cycle. In this regard, the Chairman of TRANSSC noted that consistency between the regulatory documents of the organizations, specifically with the UNECE's RID and ADR (rail and road) regulations, is required for all EU Member States, and they are committed to revising their national regulations every two years to be in line with these binding documents and they are subject to heavy fines by the EC for infraction if they fail to do so.

Mr. Baekelandt pointed out that his experience with two TranSAS-missions was that a frequency of two years is too high for countries to keep their domestic transport regulations up to date and in line with the international modal regulations (sea and air). He also pointed out that a revision cycle takes three years; as a consequence, proposals for amendment that are currently under review by Member States refer to a version of the Regulations that is not yet published. The Commission reiterated that it is still not convinced of the appropriateness of the two year review cycle, stating that the difficulties faced by smaller users are particularly pronounced.

7. Safety Standards

7.1. Site Evaluation for Nuclear Facilities (DS305), Safety Requirements

Mr. Guerpinar, Technical Officer for the development of the Safety Requirements, presented

the document and outlined its development. The Safety Requirements have been subject to review by NUSSC. The Commission endorsed the submission of the Safety Requirements to the Board of Governors for approval, with the following changes:

- The text should make it clear that only external events of an accidental nature are covered.
- The words ‘facilities’ and ‘installations’ have been used interchangeably throughout the text. The use of the word ‘facilities’ throughout would be more appropriate.

7.2. Remediation of Areas Contaminated by Past Activities and Accidents (DS162), Safety Requirements

Mr. Reisenweaver, Technical Officer for the development of the Safety Requirements, presented the draft document and outlined its development. The Safety Requirements text has been subject to review by WASSC and RASSC. The Commission endorsed its submission to the Board of Governors for approval.

7.3 Occupational Radiation Protection in the Mining and Processing of Raw Materials (DS17), Safety Guide

Mr. Wymer, Technical Officer for the development of the Safety Guide, presented the text and outlined its development. The Safety Guide has been subject to review by RASSC. The Commission endorsed the publication of the Safety Guide and requested the Secretariat to bring to the attention of the ILO the late changes introduced as a result of comments by Brazil.

8. Document Preparation Profiles

8.1 Management Systems for the Safety of Nuclear Facilities and Activities Involving the Use of Ionizing Radiation (DS338), Safety Requirements

Mr. Pieroni, Technical Officer, presented the DPP for the preparation of the Safety Requirements. The Commission expressed support for the development of the Safety Requirements; however, there were concerns whether a single text could cover all related issues for the licensees, regulatory bodies and operating organizations. The Commission approved the DPP with a new title and requested the Secretariat to proceed with the drafting; however, the draft should avoid explicit reference to business management but make reference to activities that impinge on safety. The Commission requested the Secretariat to present the draft of the Safety Requirements and the Safety Guide on management systems (DS338 and DS339) at the next meeting. [Annex II, 13.7]

8.2. Guidance on Implementation of a Management System for the Safety of Nuclear Facilities and Activities Involving the Use of Ionizing Radiation (DS339), Safety Guide

Mr. Pieroni, Technical Officer, presented the DPP for the preparation of the Safety Guide. The Commission approved the DPP expressing the same concern as for the Safety Requirements (agenda item 8.1). The Commission requested the Secretariat to present the draft of the Safety Guide at the next meeting.

8.3. Management Systems for the Treatment, Handling and Storage of Radioactive Waste (DS336), Safety Guide

Mr. Ichimura, Technical Officer, presented the DPP for the preparation of the Safety Guide. The Commission approved the DPP and requested the Secretariat to ensure that the draft is compatible with the draft Safety Requirements.

8.4. Management Systems for the Safety of Radioactive Waste Disposal Facilities and Activities (DS337), Safety Guide

Mr. Ichimura, Technical Officer, presented the DPP for the preparation of the Safety Guide. The Commission approved the DPP and requested the Secretariat to ensure that the draft is compatible with the draft Safety Requirements.

8.5. Development of Safety Culture through Management Systems (DS341), Safety Guide

Ms. Dahlgren, Technical Officer, presented the DPP for the preparation of the Safety Guide. The Commission approved the DPP with a broader scope to cover all facilities and activities. The Secretariat was requested to ensure that the draft is compatible with the draft Safety Rrequirements and that the coverage of safety culture is harmonized with the Safety Guide covering the topic of management systems.

8.6. Design and Operation of Facilities for Geological Disposal of Radioactive Waste (DS334), Safety Guide

Mr. Rowat, Technical Officer, presented the DPP for the preparation of the Safety Guide. The Commission approved the DPP with a new title and a broader scope to cover the consideration of site related aspects and safety assessment.

8.7 Borehole Disposal of Radioactive Waste (DS335), Safety Guide

Ms. Batandjieva, Technical Officer, presented the DPP for the preparation of the Safety Guide. A number of members expressed reservations about the use of boreholes for the disposal of radioactive waste. It was pointed out that the borehole technique represents a safe and economical solution to a difficult problem and it could be particularly valuable for countries with only disused sealed sources as a long term waste problem. The Commission approved the DPP.

8.8 The Removal of Sites and Buildings from Regulatory Control upon the Termination of Practices (DS332); Safety Guide

Mr. Reisenweaver, Technical Officer, presented the DPP for the preparation of the Safety Guide. The Commission approved the DPP.

8.9 Categorization of Radioactive Sources (DS343), Safety Guide

Mr. Wheatley, Technical Officer, presented the DPP for the preparation of the Safety Guide. The Commission questioned the use of technical committees in addition to the normal process for the development of this Safety Guide. The Commission stressed the need for this Safety Guide and asked the Secretariat to accelerate the process, by omitting the review by technical committees, so the initial draft can be submitted to the relevant Committees for review at their next meetings. The Secretariat was requested to consider using the same methodology for the classification of radioactive waste. The DPP was approved.

9. Presentation and Discussion of Regulatory Issues

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

10. Chairman's Meeting with the Director General

On Wednesday 4 June the Chairman met with the Director General. After the meeting the Chairman briefed the Commission on the topics discussed. The following is summary of the discussions.

Mr. Williams informed the DG about the progress made in the development of safety standards, indicating that the present revision cycle should finish by the end of 2005. The Commission has devoted much time at the last few meetings to policy issues and intends to focus on such issues in the future. The Director General was also informed that:

- A comprehensively revised structure for the standards has been established. The work on the revision of standards relating to nuclear power plants is almost complete. The focus will now be on other types of facilities such as waste disposal facilities and fuel cycle facilities. In addition, the area of research reactors still requires close scrutiny.

- A first draft of a unified Safety Fundamentals publication has been produced that combines the previous three separate Safety Fundamentals, as requested by the Board in 1994. It is hoped to submit a final version to the Board of Governors in two years' time.

- CSS has produced an overview text for a brochure explaining the philosophy of the safety standards in an accessible manner. Together with the document describing the overall structure for the standards, this overview text will be sent to the DG with a request to submit them both to the Board and the General Conference. The DG welcomed these outputs and will submit them to the Board and the General Conference.

- A new suite of standards have been proposed on management systems (including safety culture) to cover all facilities and related activities, to replace the existing quality assurance standards for nuclear power plants. The DG was also informed of the Workshop on Nuclear Safety Management and Safety Culture: Lessons Learned from Recent Events, and of plans for the Senior Regulators' meeting in September.

- The security aspect was briefly discussed in relation to several documents that were on the agenda for CSS endorsement. CSS wishes to be informed at its November meeting about the development of documents relating to security and for clarification of its role with respect to AdSec (Advisory Group on Nuclear Security).

- Regarding the application of the safety standards, Mr. Williams reported that CSS had been presented with an example of a series of questions that strictly follow the safety standards and was informed that such questions are to be used during the Agency's safety missions. He considered that these questions would be equally useful for Member States to use in self-assessment exercises and for the preparation of national reports for the conventions. The IAEA safety standards could also well serve as benchmarks for the peer review meetings under the Conventions.

- For the first time, CSS had a representative of the European Commission, Mr. Waeterloos, attending the meeting as an observer. He gave a clear indication that the EC intends to use the IAEA safety standards as a basis for European standards.

- The CSS had been informed that making the safety standards available on the web site has been successful and — contrary to general expectations — it had resulted in a considerable increase in the sales of printed copies of the standards. It was suggested that the increased revenue from the sales might be put to use in the safety standards development programme, e.g. to fund the translation of the standards into other official languages, which could enhance the outreach of the standards programme. At present the revenues from sales — like all other sources of income to the Agency — are returned to the Member States.

The Director General expressed his support for the work of the Commission, particularly for making the IAEA safety standards programme more comprehensive and transparent in terms of its overall structure and the development of the overview document. The Director General will look into the possibility of using the proceeds from the sales of printed copies of the safety standards for facilitating their translations.

11. Preparation of Commission's 2nd term report

The Chairman suggested that a draft report on the activities of the Commission in its second term would be needed. The Secretariat in consultation with the Chairman will prepare a draft for distribution to the members of the Commission prior to the November meeting. The topic should be included in the Agenda for the next meeting.

12. Topics for the Senior Regulators' Meeting

The Commission was informed that the Senior Regulators' meeting is planned for a whole day meeting on Tuesday 16 September. A scientific meeting is also planned during the General Conference in September. The topics selected for the Wednesday morning Sessions of the scientific meeting are the results of the workshop on safety culture and safety standards and their use. The full programme for the Senior Regulators' and the scientific meetings will be communicated later.

13. Dates and Agenda for the next Meeting

The schedule of the meetings of the Commission for 2003 and 2004 and the remaining meetings of Committees in 2003 are:

Commission:	17–19 November 2003,	7–9 June 2004,	15–17 November 2004.
NUSSC	20–22 October 2003.		
RASSC	29 September–3 October 2003.		
WASSC	29 September–3 October 2003.		

The tentative lists of standards to be reviewed at the next meeting of Commission include DS67, DS154, DS160, DS161, DS272, DS282, DS283, DS284, DS296, DS299, DS300, DS303, DS306, and DS309.

ANNEX I

AGENDA
Thirteenth Meeting of the
COMMISSION ON SAFETY STANDARDS
2–4 June 2003

Meeting Room CO7-IV, IAEA Headquarters, Vienna

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

2. Introductions and Adoption of the Agenda: *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 Divisions of Radiation and Waste Safety: *A. J. Gonzalez, DIR-NSRW*

4. Policy Issues

   4.1 Follow-up to the recommendations of the panel on the IAEA Programme Evaluation: Safety Standards Related Activities: *J. Versteeg*

   4.2 Overall Structure of the IAEA Safety Standards: *A. Karbassioun*

   4.3 Action Plan for Safety Standards: *A. Karbassioun*

   4.4 Overview of the IAEA Standards: *A. Karbassioun*

   4.5 Safety Fundamentals: *CSS Subgroup*

   4.6 Application of Waste Safety Standards: *P. Metcalf*

5. Status of the IAEA Safety Standards and Summary Record of the Twelfth Meeting *A. Karbassioun*

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
   C. Mason, 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
   R. Pope, Scientific Secretary—- TRANSSC

7. Safety Standards

   7.1 Site Evaluation for Nuclear Facilities (DS305), Safety Requirements: *A. Guerpinar, Technical Officer*

   7.2 Remediation of Areas Contaminated by Past Activities and Accidents, (DS162), Safety Requirements: *D. Reisenweaver, Technical Officer*

   7.3 Occupational Radiation Protection in the Mining and Processing of Raw Materials (DS17), Safety Guide: *D. Wymer, Technical Officer*

8. Document Preparation Profiles

   8.1 Management Systems Requirements for Nuclear, Radiation, Radioactive Waste, and Transport Safety and for Governmental Organization and Emergency Response Activities, (DS338), Safety Requirements (including presentation of strategy for development of standards for management systems): *N. Pieroni, Technical Officer*

   8.2 Guidance on Implementation of Management System for Nuclear, Radiation, Radioactive Waste, and Transport Safety and for Governmental Organization and Emergency Response Activities, (DS339), Safety Guide: *N. Pieroni, Technical Officer*

   8.3 Management Systems for the Treatment, Handling and Storage of Radioactive Waste (DS336), Safety Guide: *T. Ichimura, Technical Officer*

   8.4 Management Systems for the Safety of Radioactive Waste Disposal Facilities and Activities (DS337), Safety Guide: *T. Ichimura, Technical Officer*

   8.5 Development of Safety Culture through Management Systems (DS341), Safety Guide: *K. Dahlgren Persson, Technical Officer*

   8.6 Compliance with the Safety Requirements on Geological Disposal of Radioactive Waste (DS334), Safety Guide: *J. Rowat, Technical Officer*

   8.7 Borehole Disposal of Radioactive Waste (DS335), Safety Guide: *B. Batandjieva, Technical Officer*

   8.8 The Removal of Sites and Buildings from Regulatory Control upon the Termination of Practices (DS332); Safety Guide: *D.W. Reisenweaver, Technical Officer*

   8.9 Categorization of Radioactive Sources (DS343), Safety Guide: *J. Wheatley, Technical Officer*

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

10. Any other business

    10.1 Preparation of the Commission's 2nd term report: *L.G. Williams*

    10.2 Topics for the Senior Regulators' meeting: *J. Versteeg*

11. Report of the Meeting and Recommendations, Date of the Next Meetings

ANNEX II

ACTIONS ARISING FROM

THE THIRTEENTH MEETING OF THE COMMISSION

13.1 The Secretariat was requested to present the results of the review of the safety standards in the areas of management systems at the next meeting of the Commission. *(Ref. Item 4.2)* **[Action: Secretariat]**

13.2 The Chairman asked Mr. Mason, Chairman of RASSC, to inform the Committee and to consider the development of a Safety Requirements publication on radiation related facilities and activities. *(Ref. Item 4.2)* **[Action: Chairman and Scientific Secretary of RASSC]**

13.3 The Secretariat was requested to bring the Commission's concerns regarding the standards for research reactors to the attention of the consultants group, and to inform the Commission of the outcome at the November meeting. *(Ref. Item 4.2)* **[Action: Secretariat]**

13.4 The Secretariat was also requested to prepare a poster featuring all safety standards published, in draft and planned, clearly marked for each of the areas. The poster should be ready for display at the General Conference in September. *(Ref. Item 4.2)* **[Action: Chairman and Secretariat]**

13.5 The Secretariat was requested to prepare a revised action plan, in consultation with the Committees, for consideration at the November meeting of the Commission. *(Ref. Item 4.3)* **[Action: Secretariat]**

13.6 The Commission decided that the Secretariat in consultation with the Chairman would finalize the overview text and would take into account a number of other proposals made at the meetings of the Commission and the Committees. The final text will be sent to all members. The text will be translated into the other official languages and will be made ready for distribution at the General Conference. *(Ref. Item 4.4)* **[Action: Chairman and Secretariat]**

13.7 The Commission approved the DPP, requesting the Secretariat to present the draft of the Safety Requirements and the Safety Guide on management systems (DS338 and DS339) at the next meeting. *(Ref. Item 8.1)* **[Action: Secretariat]**

PARTICIPATION

The Commission

A. Oliveira, Argentina
A. Caubit da Silva, Brazil
J.K. Pereira, Canada
C. Zhao, China (unable to attend)
A-C. Lacoste and J. Gauvain, France
G. Feige, Germany (*W. Renneberg* was unable to attend and sent apologies)
S. Sukhatme, India
T. Tobioka, I. Watanabe, M. Kato, S. Akimoto, M. Maeoka, Japan
Y-S. Eun, and C.H. Park, Korea, Republic of
I. Kaliberda, Russian Federation (*Y. Vishnevskiy*, was unable to attend and sent apologies)
G.A. Azuara, and L. Santoma, Spain
L-E. Holm, Sweden (was unable to attend and sent apologies)
U. Schmocker, Switzerland
V. Gryschenko, Ukraine (was unable to attend and sent apologies)
L.G. Williams (Chair), A. Hall, P. Dickenson and S. Griffiths, United Kingdom
W.D. Travers and I. Schoenfeld, United States of America
R.H. Clarke, ICRP (was unable to attend and sent apologies)
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
G.C. Mason, RASSC
C.N. Young, TRANSSC (was unable to attend and sent apologies)
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 and Waste Safety (NSRW)
J. Versteeg, Head, Safety Co-ordination Section
L. Bevington, Safety Assessment Section (NSNI)
K. Hioki, Waste Safety Section (NSRW)
R. Pope, Radiation Safety Section (NSRW)
T. Boal, Radiation Safety Section (NSRW)
A. Gürpinar, Head, Engineering Safety Section (NSNI)
D. Reisenweaver, Radiation Safety Section (NSRW
D. Wymer, Radiation Monitoring and Protection Services Section (NSRW)
N. Pieroni, Nuclear Power Engineering Section (NSNI)
T. Ichimura, Waste Safety Section (NSRW)
K. Dahlgren Persson, Operational Safety Section (NSNI)
J. Rowat, Waste Safety Section (NSRW)
B. Batandjieva, Waste Safety Section (NSRW)
J. Wheatley, Waste Safety Section (NSRW)
A. Karbassioun, Scientific Secretary, Safety Co-ordination Section