Commission on Safety Standards
Eleventh Meeting
3–5 June 2002
IAEA Headquarters, Vienna
Report of the Meeting

1. Opening

Mr. Taniguchi, Deputy Director General, Head of the Department of Nuclear Safety, opened the eleventh meeting of the Commission on Safety Standards and extended his warm welcome to all participants.

2. Adoption of Agenda and Report of the Tenth Meeting

The agenda for the eleventh meeting of the Commission was approved with amendments[1]. The approved agenda is attached as Annex I. It was suggested that for future meetings the policy issues should be included in the early part of the Agenda. The draft report of the tenth meeting was approved. The list of actions arising from the deliberations at the eleventh meeting is attached as Annex II.

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

3.1 Department of Nuclear Safety

Mr. Taniguchi presented an overview of recent events and current issues related to the activities of the NS Department including:

- Review meeting of the convention on nuclear safety;
- Arrangements for the joint convention;
- The March 2002, session of the Board of Governors;
- Commission related issues; and
- The major meetings planned for 2002 and 2003.

The Commission raised the issue of a possible overlap between the work of the Commission, INSAG and the planned creation of a Standing Advisory Group on the Nuclear and Radiation Safety Programme. It was decided to bring this to the attention of the Director General.

Mr. Taniguchi also presented the nuclear safety vision and strategy including challenges, vision, global safety regime, overall objectives and working principles for the Department. The Commission stated its support for the nuclear safety vision and strategy.

3.2 Division of Nuclear Installation Safety

Ms. Carnino, Director of NSNI, reported on the second review meeting of the contracting parties to the Convention on Nuclear Safety, the concept of integrated safety evaluation, the draft code of conduct on the safety of research reactors and a preliminary analysis of the limited response to the questionnaire on the safety of research reactors, stating that about half of the countries approached have responded to the questionnaire so far.

[1] The agenda items related to policy issues were rearranged and brought forward as item 4; the subsequent items were renumbered accordingly. The agenda item on the overall structure of safety standards was replaced by the draft safety fundamentals.

The members of the Commission found the number of open issues in relation to the safety of research reactors alarming, in particular since it was stated that most countries use the Agency safety standards for the regulation and operation of their research reactors. One member pointed out that the related Agency standards are more suited to nuclear power plants, and therefore operators of research reactors have little interest in applying them.

3.3 Division of Radiation and Waste Safety

Mr. Gonzalez, Director of NSRW, provided a brief overview of activities related to radiation, transport and radioactive waste safety, including information on a number of conferences planned for the coming years.

4. Policy Issues

4.1 Policy Issues Related to the Development of an Action Plan

The Scientific Secretary presented an overview of the policy issues identified in relation to the development of action plan for the IAEA safety standards programme. The Commission found the issues identified relevant and timely in relation to the work of the Commission and Committees.

The Commission decided to design a strategy for further development of the safety standards and their global acceptance. The basis for this strategy will be the vision of the nuclear safety Department, as presented by Mr. Taniguchi and the Secretariat's paper on policy issues. It was also decided to submit to the senior regulators' meeting at the General Conference the draft strategy for discussion (see item 10 of this report). Taking into account the discussions at the senior regulators' meeting, a revised draft will be prepared for review at the November meeting of the Commission. The final draft resulting from the November meeting will be submitted for approval to the March 2003 Session of the Board of Governors. [Annex II, 11.1].

It was agreed to establish a sub-group to work closely (through electronic communication) with the Chairman for developing the strategy paper. Messrs Holm, Lacoste, Mason, Pereira, Pape, Suda and Travers agreed to participate in the work of the sub-group[2].

The strategy will cover all aspects related to the development and application of the safety standards including the real needs of the users; the range of standards to be developed (see items 4.2, 4.5, and 5 of this report); the level of guidance to be provided; the organization for the development of the standards and possible changes to the terms of reference of the Commission and Committees. *The Commission members were requested to send their views on the policy issues and the questions raised in the Secretariat's paper and any additional issue in relation to the development of the strategy in two weeks time, to the Chairman, with a copy to the Scientific Secretary*. The Chairman in consultation with the sub-group and the Secretariat, taking into account the views of the members, will develop a draft strategy. The draft will be circulated to all members for comment before its presentation to the senior regulators.

4.2 Protection of the Environment

Mr. Holm presented the topic, pointing out that a number of countries either have or are in the

[2] Secretariat's Note: My apologies if I have missed someone, please inform or confirm to the Chairman your interest in the work of the sub-group.

process of incorporating the protection of environment into their national regulations and it would be appropriate for the Commission to consider the possibility of developing standards on this topic. Ms. Robinson outlined the likely timing of future Agency activities, in relation to work in progress by other organizations and planned major meetings on this topic. A symposium is to be held in Darwin in July 2002, followed by a Conference to be held in Stockholm in October 2003.

There was general agreement that the topic is within the scope of the programme and should be considered in connection with control of discharges. It was decided to consider the topic as part of the overall strategy.

4.3 General Conference Resolution and the Draft Guide on Commodities

Mr. Reisenweaver provided an up-date on the status of the draft safety guide on commodities DS161, reporting on the outcome of a Technical Committee meeting held to review the standard and the review by RASSC, WASSC and TRANSSC prior to transmission of the draft to Member States for comments.

The Commission was not satisfied with the explanation provided regarding the shorter consultation period set for Member States (2.5 months instead of 4 months) and asked the Secretariat to write to all Member States to inform them of an extension of the period to 15 September 2002. The Commission also questioned the use of the term ‘scope defining level’ and asked the Secretariat to note the Commission’s concern regarding this new term in the letter to Member States and to seek comments on the content of the safety report as well as the safety guide. [Annex II, 11.2].

The Commission again stressed the importance of adherence to the established procedures in the development of the safety standards.

4.4 IAEA Programme Evaluation: Activities Relating to Safety Standards

Mr. Versteeg presented the topic and informed the Commission that the evaluation is a follow-up to a similar exercise performed in 1996. It was also pointed out that the evaluation will look at the process, particularly the work performed by the Secretariat in relation to the development of safety standards, and will include submission of a questionnaire to selected Member States on their views regarding the standards and their application.

The Commission asked the Secretariat to circulate the questionnaire to the members of the Commission for comment prior to its submission to Member States. It was generally agreed that the results of the evaluation should complement the work of the Commission on the strategy. [Annex II, 11.3].

4.5 Safety Fundamentals

Mr. Barraclough presented the background to the development of common safety fundamentals and pointed out the internal and external constraints associated with its further development. A number of options on how to proceed were also presented.

The Commission considered the topic and instructed the Secretariat to stop further work on the document. The need for common safety fundamentals or a similar top-level document will be considered as part of the strategy.

5. Report of the Chairmen's Meeting

Mr. Williams outlined the discussions at the Chairmen's meeting held in the morning of 3 June. Most of the issues raised at the meeting were also discussed at the Commission meeting and are covered in various parts of this report. It was, however, noted that the new term of the Committees with the expanded membership has gone very smoothly and that the expansion has generally had a positive influence on the deliberations.

It was pointed out that since the Chairmen of the Committees are now participating full time in the meetings of the Commission, there is no need to continue with a separate meeting of Chairmen in the future.

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

The Scientific Secretary informed the Commission of the changes to the membership of the Committees and the number of Member States participating as member and corresponding members in the new term of the Committees.

The Commission was also informed of the results of a meeting held in December 2001 between NS management and MTCD (the Agency Division responsible for publishing). There is now an agreement between NS and MTCD to make every effort to have the safety standards published within six months after their approval by the Commission and to post the standards on the website as soon as they are ready for printing. It was also agreed to prepare a monthly report on the status of approved safety standards for circulation to management. A follow-up meeting with MTCD is planned to review the progress made and to discuss arrangements for posting the older safety standards and their translated versions on the website.

The Scientific Secretary also informed the Commission that the backlog of approved standards waiting to be published has been significantly reduced and it is planned to have all standards approved prior to the November 2001 meeting of the Commission published by the end of June 2002.

The Commission was also informed that of the ten safety standards approved at the November 2002 meeting, five have been typeset and sent to the Chairmen for final review; these standards (DS43, DS247, DS248, DS289, DS290) are planned for publication before the end of July. Three other standards (DS187, DS273, DS277) are being typeset and are expected to be published by the end of September. Two remaining standards (DS159, DS163) are still going through the editing process. As regards the standards cleared at this meeting, the Secretariat hopes to have them issued or at least in an advanced stage of publication before the end of 2002.

The Commission was very appreciative of the efforts being made by MTCD for clearing the backlog and looks forward to the publication of safety standards cleared at this meeting before the end of 2002.

The Scientific Secretary reported on the response to the actions arising from the tenth meeting of the Commission. The following is the list of actions and how they have been addressed:

- Action 10.1 The Commission decided to take a new look at the specific responsibility of the Committees at its next meeting. *The topic was planned for discussion at the Chairmen's meeting on 3 June. However, it was decided to consider this topic as part of the development of the strategy.*
- Action 10.2 The Director General pointed out the overall structure can provide a good basis for communicating the efforts of the Agency's safety standards programme. In

this connection the Secretariat will prepare an action plan for the safety standards programme for review by the Commission. *This will also be considered as part of the development of the strategy.*

- 10.3 The Chairman will prepare a letter to EC, in consultation with DDG-NS, indicating that the IAEA standards reflect the best practices to be used as benchmark in the field of nuclear safety. *The Chairman sent a letter to Ms. Loyola de Palacio on 17 January 2002. Ms Loyola de Palacio responded on 13 February 2002. Both letters were distributed to the members at the time*.

7. Activities of the Committees on Safety Standards

7.1 Nuclear Safety Standards Committee

Mr. Reiman informed the Commission of the heavy workload of NUSSC and of the deliberations at the 13th meeting. Mr. Hughes reported on the progress of the standards since the last Commission meeting and noted the approval of two DPPs and six safety guides for submission to the Commission. At least 7 and possibly up to 12 safety guides are expected to be ready for submission to the Commission for review in its November meeting.

The Commission appreciated the excellent work done by NUSSC and asked the Chairman to convey its appreciation to the members of the NUSSC and to the technical officers.

7.2 Radiation Safety Standards Committee

Mr. Mason informed the Commission of the deliberation at the 12th meeting of RASSC and the joint meeting with WASSC. The main topic of discussion for the joint meeting was on the draft guide on Commodities (DS161), covered under agenda item 4.3 of this meeting. Mr. Bilbao reported on the progress of the standards since the last meeting of the Commission and noted the approval of a DPP and a safety guide for submission to the Commission and one safety guide for submission to Member States for comments. Mr. Bilbao also informed the Commission that the initial review of the draft guide on the safety and security of sources (DS114) is planned for the upcoming RASSC meeting.

The Commission questioned the appropriateness of the term security in the title of DS114 and asked whether a DPP was approved for the development of this guide[3].

7.3 Waste Safety Standards Committee

Mr. Baekelandt informed the Commission of the deliberation at the last meeting of WASSC, and the joint meeting with RASSC. Mr. Baekelandt reported that the Secretariat has invited the OECD/NEA to co-sponsor the safety requirements on geological disposal of radioactive waste (DS154). The OECD/NEA has responded favourably to this invitation.

[3] In response to the question raised by the Commission, the Secretariat wishes to inform the members of the Commission that two separate DPPs had originally been approved: one in 1998 on safety of radiation sources and another in 2000 on security of radiation sources. It was later decided, in consultation with RASSC, to combine the two safety guides into one under the title of “safety and security of sources” (DS114). The term “security of sources” has been used in the BSS (see BSS para. 2.34). This usage leans more towards the notion of normal security of sources, which is regarded as an essential component of safety, rather than security intended to prevent criminal or terrorist activities. Since 11 September the word security has been used within the Agency in the latter context. The Secretariat will consult with RASSC over the appropriate term to be used.

7.4 Transport Safety Standards Committee

Mr. Young informed the Commission of the deliberation at the 7th TRANSSC meeting including a discussion on increasing the number of TRANSSC meetings from one to two per year, with a decision to keep to one meeting per year. TRANSSC also decided that there is little need for Joint meetings with other Committees unless a special issue arises. Mr. Pope presented the activities of TRANSSC including the submission of the recommended changes to the regulations and two DPPs to the Commission for approval.

A number of Commission members expressed concerns regarding the 2-year review cycle of transport regulations and the difficulties faced by many countries to keep up with this 2-year cycle. The Commission requested that the Secretariat working with the Chairman of TRANSSC perform a review, by consulting the real users of the regulations, on the practicality of the 2-year review cycle. If it is considered impractical, then the modal organizations (IMO, ICAO and UN/ECE/ Inland Transport Committee) should be approached for a solution. [Annex II, 11.4].

8. Safety Standards

8.1 Transport Regulations TS-R-1 (as amended 2003), Safety Requirements

Mr. Dicke, Technical Officer for the development of the safety requirements, presented the document and outlined its development. The regulations have been subject to review by TRANSSC. The technical officer presented a document listing the major changes made to the regulations and informed the Commission that these major changes had been reviewed by TRANSSC for their significance. As a result of this review TRANSSC recommended that the 2003 edition be published as an amendment to the previous full edition (the 1996 Edition) rather than as a new edition, which would require approval of the Board of Governors.

One Commission member raised the point that para. 306 (b) of the regulations contradict the requirements of the BSS by indicating ‘for members of the public, in areas where the public has regular access, a dose of 1 mSv in a year to the critical group’. This paragraph had not been modified and the contradiction with BSS has been there since the publication of the regulations in 1996.

Another point regarding the clarity of the modification made to para. 619 was raised. The Commission also questioned the cumbersome designation of the regulations by TRANSSC. The current version is to be designated as ‘TS-R-1 (ST-1, Revised) Regulation for the Safe Transport of Radioactive Material 1996 Edition (As Amended 2003)’.

The technical officer argued against the points raised, particularly the point of contradiction with BSS, stating, “Any such comment should be raised for the next revision cycle and should go through the revision process. Any modifications can only be published in 2005 ready for potentially entering into force in 2007.”

The Commission was firm on the points raised and requested the Chairman of TRANSSC, in consultation with the Chairmen of RASSC, to consider the proposal made by Mr. Gryschenko regarding para. 306 (b), to take a fresh look at the modification proposed to para. 619 and report back to the Commission.

Later in the meeting, the Chairman of TRANSSC proposed the following changes to the said paragraphs:

- Para. 306 (b) of the regulations "(b) for members of the public, in areas where the public has regular access, a dose not exceeding 1 mSv in a year to the critical group, taking account of the exposures expected to be delivered by all other relevant sources and practices under control."
- Para. 619 the modification should read "*Packages* containing *radioactive material*, to be transported by air, shall be capable of withstanding, without leakage, an internal pressure which produces a pressure differential of not less than *maximum normal operating pressure* plus 95 kPa."

The Chairman of TRANSSC offered to seek TRANSSC's endorsement of the proposed changes, but the Commission did not consider this to be necessary.

The Commission agreed with proposed changes and endorsed the publication of the regulations. The Commission requested that the Secretariat working with the Chairman of TRANSSC, try to simplify the designation of the regulations, which are based on historical developments, to either the year of their publications or the year that they come into force. In addition, further consideration should be given to increasing the frequency of TRANSSC meetings in order that more effort may be devoted to making the regulations more user friendly. [Annex II, 11.5].

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

Mr. Na, Technical Officer for the development of the safety guide, presented the guide and outlined its development. The guide has been subject to review by RASSC and has been in preparation since 1994. The Commission considered the guide and the comments from Mr. Lacoste received in advance of the meeting.

It was pointed out that the audience for this guide is different from that of most other standards and that there is justification for some of the detailed radiation protection criteria included in the guide. This, however, has been at the expense of clarity and has made the guide difficult to read. It was also pointed out that the use of 'shall' and 'should' is not consistent in this guide and it is hard to see which parts of the guide have been taken from the BSS or other documents or if they are quoted directly; this is particularly true for paras 238 to 241.

The Secretariat was asked to review the guide, in consultation with member from France, focusing on the guide's important attributes and if necessary transferring some of the background material to annexes. The revised guide should be sent to the Chairman of RASSC and ILO for agreement. The agreed text should then be submitted to the Commission for endorsement. [Annex II, 11.6].

8.3 The Recruitment, Qualification and Training of NPP Personnel (DS287), Safety Guide

Mr. Vaishnys, Technical Officer for the development of the safety guide, presented the guide and outlined its development. The guide has been subject to review by NUSSC. The Commission endorsed the publication of the safety guide.

8.4 Commissioning of Nuclear Power Plants (DS291), Safety Guide

Mr. Vaishnys, Technical Officer for the development of the safety guide, presented the guide and outlined its development. The guide has been subject to review by NUSSC. The Commission endorsed the publication of the safety guide.

8.5 Fuel Handling and Storage Systems in Nuclear Power Plants (DS276), Safety Guide

Mr. Gasparini, Technical Officer for the development of the safety guide, presented the guide and outlined its development. The guide has been subject to review by NUSSC. The Commission endorsed the publication of the safety guide.

8.6 Seismic Hazard Evaluation for Nuclear Power Plants (DS302), Safety Guide

Mr. Gürpinar, Technical Officer for the development of the safety guide, presented the guide and outlined its development. The guide has been subject to review by NUSSC. The Commission endorsed the publication of the safety guide.

8.7 Meteorological Events in Site Evaluation for Nuclear Power Plants (DS184), Safety Guide

Mr. Labbé, Technical Officer for the development of the safety guide, presented the guide and outlined its development. The guide has been subject to review by NUSSC. It was pointed out that there should be appropriate cross referencing between this guide and the guide dealing with floods (DS280), which should cover all causes of floods. The Commission endorsed the publication of the safety guide.

8.8 Periodic Safety Review of Nuclear Power Plants (DS307), Safety Guide;

Mr. Pachner, acting for Mr. Kotyza, Technical Officer for the development of the safety guide, presented the guide and outlined its development. The guide has been subject to review by NUSSC. It was pointed out that the footnote to paragraph 3.2 could be misunderstood and give the wrong impression on the approach used. It was decided to delete the footnote. The Commission endorsed the publication of the safety guide.

9. Document Preparation Profiles

9.1 Quality Assurance for the Safe Transport of Radioactive Material (DS326)

Mr. Bernard-Bruls, Technical Officer presented the DPP for the preparation of the safety Guide. It was pointed out that this document should be well co-ordinated with other standards dealing with the topic and should be seen by the internal quality assurance co-ordinator (penultimate para. of item 11). It was also pointed out that the consultation period for Member States is missing in the process for the development of this guide. The need to adhere with the established procedure was stressed again. The Commission approved the DPP, subject to these conditions.

9.2 Compliance Assurance for the Safe Transport of Radioactive Material (DS327)

Mr. Bernard-Bruls, Technical Officer presented the DPP for the preparation of the safety guide. It was pointed out that it is not clear how this guide would fit in the new strategy. The Commission decided to hold back the approval of the DPP pending the development of the strategy.

9.3 Quality Management Systems for Regulatory Bodies (DS113)

Mr. Boal, Technical Officer presented the DPP for the preparation of the safety guide. The Commission approved the DPP.

9.4 The Operating Organization and the Recruitment, Training and Qualification of Personnel for Research Reactors (DS325)

Mr. Voth, Technical Officer presented the DPP for the preparation of the safety guide. The Commission approved the DPP.

10. Topics for Senior Regulators Meeting (GC, September 2002)

Mr. Versteeg informed the Commission that the senior regulators meeting during the General Conference would be held on the afternoon of Monday 16 September and a full day on Tuesday 17 September. A full day will be devoted to the discussion of the strategy (Monday afternoon and Tuesday morning) and half a day (Tuesday afternoon) for the following two topics:

- Regulation of sealed radiation sources; and
- Research reactors: Regulation and safety issues.

The Commission supported this proposal.

11. Chairman's Meeting with the Director General

A list of topics requiring the Director General's attention was agreed on prior to the Chairman's meeting with the Director General.

The Chairman briefed the members of the Commission on the results of his meeting with the Director General. The following is the list of topics discussed and the decisions made.

Mr. Williams informed the DG that the Commission has welcomed the nuclear safety vision and strategy and agrees with this concept and considers it timely to gradually transform the IAEA safety standards into a set of universally accepted global standards. The Commission will support and engage itself in the development of this part of the nuclear safety vision. The process foreseen is to draft a strategy paper for discussion at the Senior Regulators Meeting at the time of the General Conference. The purpose is to get feedback and commitment from the regulators and other stakeholders, to develop the strategy further during the meeting of Commission in November and to prepare a document for policy endorsement at the March 2003 Session of the Board of Governors. The DG welcomed this initiative and will consider mentioning it in his address to the General Conference.

Mr. Williams mentioned that the Safety Fundamentals and Requirements should reflect best practices and, depending on the subject, the Safety Guides should at least be good practices and in other cases best practices. It is understood that there is also a bottom line, and if the safety performance falls below that level, the activity should be stopped. Mr. Williams also indicated that the IAEA safety standards should in future be used as benchmarks in the peer reviews under the Conventions. He confirmed that the IAEA safety standards serve as a reference level for WENRA's work on common European safety approaches and he stressed there is no WENRA intent to produce other safety standards.

Regarding EC initiatives in the area of safety standards, Mr. Williams mentioned that the letter exchange with Ms. Loyola de Palacio had so far not resulted in a visit to the Commission and therefore he would contact Ms. Loyola de Palacio's office to make arrangements for such a visit. The DG attached importance to the follow-up visit by Mr. Williams to Brussels.

Mr. Williams expressed the expectation that the Programme Evaluation on the Safety Standards activities carried out under the responsibility of the Office of Internal Oversight

Services will help to move forward the Commission's activities on the development of the new strategy on standards. The DG expressed hope that co-ordination between the two activities would result in a good product.

Mr. Williams indicated some concern that a Standing Advisory Group on the Nuclear and Radiation Safety Programme, foreseen for the new biennium might cause duplication of the Commission's activities. The DG responded that the Terms of Reference of the new Group should duly take account of the role the Commission already plays.

Mr. Williams reported on protection of the environment as a new area for standards development. He considered it important that IAEA standards be drawn up in this emerging area while underlining that work in this regard should and will be co-ordinated with the ongoing work by the ICRP.

Mr. Williams reiterated that the normal review and consultation process should be followed for the development of a safety guide on commodities. He informed the DG that the Commission had advised the Secretariat to extend the comment period for Member States to 4 months, and that member States should also be invited to comment on the underlying safety report. The DG agreed that the GC would receive a progress report explaining that the development process needs appropriate time to reach consensus on the safety guide.

Mr. Williams brought up the issue of the quality assurance standards being developed outside the Department of Nuclear Safety, especially if they concerned regulatory documents. The DG assured him that any development of safety standards takes place under the responsibility of the Commission, and moreover there is now in place an internal co-coordinating mechanism for the topic of quality assurance, which is considered to be a cross-cutting issue affecting several Departments.

The members of the Commission expressed their appreciation to the Director General and the Chairman for the comprehensive meeting and the very useful dialogue.

12. Presentation and Discussion of Regulatory Issues

The members of the Commission presented the recent regulatory issues of significance in their countries.

13. Dates and Agenda for the next meeting

The schedule of the remaining meetings of the Commission and the Committees for 2002 and the Commission's meeting in 2003 is as follows:

Commission	18-20 November 2002
	2-4 June 2003
	17-19 November 2003.
NUSSC	22-24 October 2002
RASSC[4]	2-6 December 2002
WASSC	2-6 December 2002.

The tentative list of standards to be reviewed at the next meeting:

- **DS301** External Events (excluding earthquakes) in Nuclear Power Plant Design
- **DS282** Design of Reactor Coolant System and Associated Systems in NPPs

[4] New dates for meetings of RASSC and WASSC, to be able to consider the draft guide on commodities (DS161)

- **DS303** Emergency Power Systems at Nuclear Power Plants
- **DS283** Reactor Core Design in Nuclear Power Plants
- **DS304** Seismic Design and Component Qualification for Nuclear Power Plants
- **DS300** Geotechnical Aspects of NPP Site Evaluation and Foundations
- **DS280** Flood Hazard for Nuclear Power Plants on Coastal and River Sites

ANNEX I
AGENDA
Eleventh Meeting of the
COMMISSION ON SAFETY STANDARDS
3 – 5 June 2002
Meeting Room CO7-IV, IAEA Headquarters, Vienna

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

2. Introduction, Adoption of the Agenda and Summary Record of the Tenth Meeting
   L.G. Williams

3. Overview of the Activities in the Department of Nuclear Safety
   - 3.1 Department of Nuclear Safety
     T. Taniguchi, DDG-NS
   - 3.2 Division of Nuclear Installation Safety
     A. Carnino, DIR-NSNI
   - 3.3 Division of Radiation and Waste Safety
     A. J. Gonzalez, DIR-NSRW

4. Policy Issues
   - 4.1 Policy Issues Related to the Development of an Action Plan
     A. Karbassioun
   - 4.2 Protection of the Environment
     L.-E. Holm, C. Robinson
   - 4.3 General Conference Resolutions and the Draft Safety Guide on Commodities
     D. Reisenweaver
   - 4.4 IAEA Programme Evaluation: Activities Related to Safety Standards
     J. Versteeg
   - 4.5 Safety Fundamentals
     I. Barraclough

5. Report of the Chairman's Meetings
   L.G. Williams

6. Status of the Safety Standards and the Actions Arising from the Commission's Meetings
   A. Karbassioun

7. Activities of the Committees on Safety Standards
   - 7.1 Nuclear Safety Standards Committee
     L. Reiman, Chairman/P. Hughes, Scientific Secretary - NUSSC
   - 7.2 Radiation Safety Standards Committee
     C. Mason, Chairman/A. Bilbao, Scientific Secretary - RASSC
   - 7.3 Waste Safety Standards Committee
     L. Baekelandt, Chairman/K. Hioki, Scientific Secretary – WASSC
   - 7.4 Transport Safety Standards Committee
     C. Young, Chairman/R. Pope, Scientific Secretary – TRANSSC

8. Safety Standards

   8.1 Transport Regulations TS-R-1 (as amended 2003)
   G. Dicke, Technical Officer
   8.2 Occupational Radiation Protection in the Mining and Processing of Raw Materials (DS17), Safety Guide; *S-H. Na, Technical Officer*
   8.3 The Recruitment, Qualification and Training of NPP Personnel (DS287), Safety Guide; *P. Vaishnys, Technical Officer*
   8.4 Commissioning of Nuclear Power Plants (DS291), Safety Guide;
   P. Vaishnys, Technical Officer
   8.5 Fuel Handling and Storage Systems in Nuclear Power Plants (DS276), Safety Guide;
   M. Gasparini, Technical Officer
   8.6 Seismic Hazard Evaluation for Nuclear Power Plants (DS302), Safety Guide;
   A. Gürpinar, Technical Officer
   8.7 Meteorological Events in Site Evaluation for Nuclear Power Plants (DS184), Safety Guide; *P. Labbé, Technical Officer*
   8.8 Periodic safety Review of Nuclear Power Plants (DS307), Safety Guide;
   J. Pachner, Technical Officer

9. Document Preparation Profiles

   9.1 Quality Assurance for the Safe Transport of Radioactive Material (DS326)
   X. Bernard-Bruls, Technical Officer
   9.2 Compliance Assurance for the Safe Transport of Radioactive Material (DS327)
   X. Bernard-Bruls, Technical Officer
   9.3 Quality Management Systems for Regulatory Bodies (DS113)
   T. Boal, Technical Officer
   9.4 The Operating Organization and the Recruitment, Training and Qualification of Personnel for Research Reactors (DS325)
   M. Voth, Technical Officer

10. Topics for Senior Regulators Meeting (GC, September 2002)
    J. Versteeg

11. Other Business

12. Presentation and discussion of Regulatory Issues
    (CSS Members)

13. Report of the Meeting and Recommendations, Date of the Next Meeting

ANNEX II
ACTIONS ARISING FROM THE MEETINGS OF THE COMMISSION

Actions Arising from the Eleventh Meeting

11.1 The Commission decided to design a strategy for further development of the safety standards and their global acceptance. The draft strategy will be discussed at the senior regulators' meeting, reviewed at the Commission's November meeting and submitted for approval to the March 2003 Session of the Board of Governors. *(Ref. Item 4.1)* **[Action: Members of Commission, Chairmen and the Secretariat]**

11.2 Secretariat was asked to write to all Member States extending the Member State consultation period for draft safety guide DS161 to September 2002. The Commission also questioned the use of the term 'scope defining level' and asked the Secretariat to note the Commission's concern regarding this new term in the letter to Member States and to seek comments on the content of the safety report as well as the safety guide. *(Ref. Item 4.3)* **[Action: K. Hioki]**

11.3 The Commission asked the Secretariat to circulate the questionnaire to the members of the Commission for comment prior to its submission to Member States. It was generally agreed that the results of the evaluation should complement the work of the Commission on the strategy. *(Ref. Item 4.4)* **[Action: J. Versteeg]**

11.4 The Commission requested the Secretariat working with the Chairman of TRANSSC perform a review, by consulting the real users of the regulations, on the practicality of the 2-year review cycle. If it is considered impractical, then the modal organizations (IMO, ICAO and UN/ECE/Inland Transport Committee) should be approached for a solution. *(Ref. Item 7.4)* **[Action: Chairman of TRANSSC and R. Pope]**

11.5 The Commission requested that the Secretariat working with the Chairman of TRANSSC try to simplify the designation of the regulations, which are based on historical developments, to either the year of their publications or the year that they come into force. In addition, further consideration should be given to increasing the frequency of TRANSSC meetings in order that more effort may be devoted to making the regulations more user friendly. *(Ref. Item 8.1)* **[Action: Chairman of TRANSSC and R. Pope]**

11.6 The Secretariat was asked to review the guide, in consultation with member from France, focusing on the guide's important attributes and if necessary transferring some of the background material to annexes. The revised guide should be sent to the Chairman of RASSC and ILO for agreement. The agreed text should then be submitted to the Commission for endorsement. *(Ref. Item 8.2)* **[Action: A. Bilbao]**

PARTICIPATION

The Commission

A. Oliveira, Argentina (*E. D'Amato* sent apologies - unable to attend)
A. Caubit da Silva, Brazil (sent apologies - unable to attend)
J.K. Pereira, Canada
C. Zhao, China (sent apologies - unable to attend)
A-C. Lacoste, and J. Gauvain, France
W. Renneberg, (sent apologies - unable to attend)
S. Sukhatme, India
N. Suda, A. Koizumi, S. Nakamura, S. Akimoto, Japan
Se-Jong Kim, Korea, Republic of (sent apologies - unable to attend)
I. Kaliberda, O. Romenkova, Russian Federation (*Y. Vishnevskiy*, sent apologies - unable to attend)
L. Santoma., Spain (*G.A. Azuara* sent apologies - unable to attend)
L-E. Holm, Sweden
U. Schmocker, Switzerland
V. Gryschenko, Ukraine
L.G. Williams (Chair), R.P. Pape, United Kingdom
W.D. Travers, J. Blaha, United States of America
R.H. Clarke, ICRP (sent apologies - unable to attend)
K. Shimoura, OECD Nuclear Energy Agency

Note: Member of the Commission are indicated in *Italic*

Chairmen of the Committees

L. Reiman, NUSSC
G.C. Mason, RASSC
C.N. Young, TRANSSC
L. Baekelandt, WASSC

IAEA Staff Members

T. Taniguchi, Deputy Director General, Department of Nuclear Safety
A. Carnino, Director, Division of Nuclear Installation Safety (NSNI)
A. Gonzalez, Director, Division of Radiation & Waste Safety (NSRW)
J. Versteeg, Head, Safety Co-ordination Section
P. Hughes, Safety Assessment Section – NSNI
A. Bilbao, Radiation Safety Section – NSRW
K. Hioki, Waste Safety Section – NSRW
R. Pope, Radiation Safety Section – NSRW
G. Dicke, Radiation Safety Section – NSRW
S-H. Na. Radiation Monitoring and Protection Services Section – NSRW
C. Robinson, Waste Safety Section – NSRW
P. Vaishnys, Operational Safety Section – NSNI
M. Gasparini, Engineering Safety Section – NSNI
A. Gürpinar, Engineering Safety Section – NSNI
P. Labbé, Engineering Safety Section – NSNI
J. Pachner, Engineering Safety Section – NSNI
X. Bernard-Bruls, Radiation Safety Section – NSRW
T. Boal, Radiation Safety Section – NSRW
M. Voth, Engineering Safety Section – NSNI
D. Reisenweaver, Waste Safety Section – NSRW
I. Barraclough, Safety Co-ordination Section
A. Karbassioun, Scientific Secretary, Safety Co-ordination Section