Commission on Safety Standards
Ninth Meeting
28-30 May 2001
IAEA Headquarters, Vienna
Draft Report of the Meeting

1. Introduction

Mr. Domaratzki, Deputy Director General, Head of the Department of Nuclear Safety, opened the ninth meeting of the Commission on Safety Standards (CSS) and welcomed the participants.

2. Adoption of Agenda and Report of the Eighth Meeting

The agenda for the ninth meeting of the Commission was approved (Annex I). The draft report of the eighth meeting was approved. The list of actions arising from the deliberations at the ninth meeting is attached as Annex II.

3. Recent Activities in the Department of Nuclear Safety

3.1 Overview of the Activities

Mr. Domaratzki presented a summary of major activities of the Department and related activities of the IAEA informing the Commission of the following:

- the Joint International Emergency Exercise "JINEX 1" conducted last week with the participation of 55 countries and 5 international organizations;
- preparation of an action plan as an outcome of Cordoba Conference for submission to the General Conference in September;
- successful completion of the Conference of National Regulatory Authorities and the conclusion that modifications should be made to the action plan on the safety of radiation sources
- in response to a General Conference Resolution a meeting was held last week to explore options to strengthen the international safety arrangements for research reactors. The meeting recommended that: an assessment survey of the state of research reactors in the Member States be conducted; a code of conduct for research reactors be prepared; and there should be further exploration of the modalities to strengthen the monitoring of research reactors (perhaps taking the activities of ICAO as a model). The latter would require approval by the General Conference and bilateral Memorandum of Understanding with individual States;
- the initiative by the Department of Nuclear Energy under the INPRO project to develop "users requirements" for the design of innovative reactors and the potential for overlap with the Safety Standards;
- the issue of depleted uranium and the participation of the IAEA experts in a mission to Kosovo, organized by UNEP. The IAEA has also been invited to organize a mission to Kuwait and is expecting a request from Iraq;
- the request by the General Conference to develop a safety guide on radioactivity in commodities

by September 2002, and the related review of the scope of safety standards in radiation safety in connection with the concept of exemption and clearance;

- completion of an OSART mission to the Temelin nuclear power plant and the availability of the mission's report, an IRRT mission is scheduled for June and a review of Temelin upgrades and modifications is planned for November;
- together with the medical societies who participated in the Malaga Conference on protection of patients the IAEA is drawing up a programme on this topic for submission to the Board of Governors and the General Conference;
- the request from Panama, under the Conventions on Assistance in the Case of a Nuclear Accident or Radiological Emergency, for assistance in determining the causes and establishing the follow-up to an accident in which more than 28 patients were overexposed, some fatally. An expert mission organized by the IAEA arrived in Panama on the evening of Saturday 26 May and conducted their investigation during the following week. (Later in the meeting, Mr. González provided additional information on the mission and the preliminary findings of the experts.)
- the current status of the programme and budget for 2002. Resources for the development of safety standards for fuel cycle facilities have now been included as part of the regular budget.

4. Report of the Chairmen's Meeting

Mr. Williams outlined the discussions of the Chairmen's meeting held in the morning of 28 May in advance of the Commission's meeting. The following is the list of topics discussed. Some of the topics were also discussed under other agenda items; the agreements and conclusions reached reflect the deliberations on these topics:

Compatibility of standards prepared by WASSC and NUSSC: The review of the four waste safety standards[1] in connection with the proposed standards the fuel cycle facilities has highlighted the different approach taken by the two Committees for the development of safety standards. The need for the safety standards to meet the needs of the users for the design, operation and regulation of nuclear facilities was stressed. There are two options as regards to the four waste safety standards: (i) WASSC in consultation with NUSSC agree on the redrafting of these standards in the light of the needs for fuel cycle facilities or; (ii) NUSSC consider development of additional safety guides for fuel cycle facilities to cover the topics while WASSC would proceed with the development of the four safety guides in their present form, indicating that further detail and additional guidance will be provided in facility oriented safety guides. WASSC is asked to consider option (i); failing agreement option (ii) would be followed. The Commission requested to be kept informed of the progress made on this issue.

Overall Structure of the Safety Standards: In order to ensure that safety standards meet the needs of

[1] The review of the following safety guides, prepared by WASSC, were put on hold until consultations between WASSC and NUSSC in connection with the development of safety standards for fuel cycle facilities has been completed:

- DS 159 Predisposal Management of Low and Intermediate level Waste;
- DS 163 Predisposal Management of High level Waste;
- DS 284 Safety Assessment for Predisposal Waste Management;
- DS 292 Storage of Radioactive Waste.

the users (designers, operators and regulators) of all related facilities and activities, a consistent approach is required to identify gaps and overlaps in the programme. The overall structure is a tool which would provide this assurance and define the activities in connection with the programme for the next several years. A table prepared by Mr. Mason provides a good basis for further development of the overall structure; comments on the table should be directed to the Secretariat. The Chairmen of Committees were requested to discuss the overall structure in the next meeting of the Committees, taking into account what is needed by the users for the specific areas (e.g. research reactors, fuel cycle facilities, treatment and processing of radioactive waste, mining and milling, radiation sources, protection of patients, quality assurance) and report back to the Commission at the next meeting [Annex II, 9.1].

International Nuclear Event Scale: The Scope of the INES scale, initially developed for incidents at nuclear power plants, has been expanded to cover "any event associated with radioactive material and/or radiation and to any event occurring during the transport of radioactive material". The user's manual was revised and published in early 2001. The Chairman expressed concern over the lack of consultation with the Committees during the development of the current version of the manual. A new revision of the manual is expected in the next 2 to 3 years. The future revision of the manual should provide the opportunity for consultations between the INES group and the Committees. The Committees should be able to review and comment on the drafts, for improving the language and resolving the outstanding issues. Suggestions by TRANSSC for revision of the scale are set out in the report of the TRANSSC VI meeting.

The review process for development of Safety Standards: The Commission requested that after approval of standards by the Committees, the type-set version of safety standards be submitted to the Commission for final review. The Secretariat pointed out the difficulties involved with such a procedure and the fact that a grace period would be required before such procedure can be put into effect. The Commission accepted there would have to be time to implement the new procedure, but it was necessary to ensure that documents were not changed after the Commission's approval.

5. Status of the IAEA Safety Standards and the Status of Actions from Previous Meetings

The Scientific Secretary reported on the status of the safety standards and provided information on their free distribution. One of the eight safety guides endorsed at the last meeting is now published and the remaining seven safety guides are well advanced; their publication is expected within the next few months. The three safety guides up for endorsement at this meeting (agenda items 7.1, 7.3 and 7.4) are also expected for publication before the end of this year. The safety requirements DS 43 (agenda item 7.2) might also be published before the end of this year if it can be made ready for consideration at the September Session of the Board of Governors.

The Commission was informed of a database prepared for free distribution of 500 copies of safety standards. The database currently includes 126 countries and over 500 individual addresses. The recently published standards were distributed to the potential users (including nuclear power plants around the world) with a covering letter from the DDG-NS. The Commission was also informed that approval has been given to put the IAEA safety standards on the IAEA Web site

[www.iaea.org/worldatom]. Appropriate links will be made to the site from [www.iaea.org/ns/coordinet].

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

- 8.1 Regulatory independence; On the basis of comments received a new draft was prepared and is being distributed to States party to the Convention on Nuclear Safety. The draft has also been incorporated in the Safety Guide DS 247, which will be submitted to the Commission for final review at its meeting in November 2001.
- 8.2 Procedures regarding co-sponsorship of safety standards; A draft proposal is being prepared for consideration by RASSC in October and the Commission in November 2001.
- 8.3 Contact with the International Labour Office regarding the change to DS 73; The International Labour Office was contacted, it was decided not to incorporate the change.
- 8.4 Standards on fuel cycle facilities and drafts of DS 159, DS 163, DS 284 and DS 292; See item 4 of this report on "Compatibility of standards prepared by WASSC and NUSSC".
- 8.5 Overall structure of the Safety Standards; The result of the discussion on the topic is reported under item 4 of this report.
- 8.6.Statement by the Commission for distribution to Member States; The result of the discussion on the topic is reported under item 9.3 of this report.
- 8.7 Resources and priorities; The result of the discussion on the topic is reported under item 9.1 of this report.
- 8.8 Delays and responsibility; The result of the discussion on the topic is reported under item 9.2 of this report.

6. Activities of the Committees on Safety Standards

6.1 Transport Safety Standards Committee

Mr. Young highlighted the activities of TRANSSC including the results of the 6th TRANSSC meeting which addressed implementation of the biennial review process and changes under consideration for the 2003 edition of the regulations. All proposed changes are summarized in the report on the 6th meeting, have been transmitted to TRANSSC members electronically and have been placed on the IAEA Web site. As of 15 May 2001 two minor changes have been approved and 12 major changes are under consideration.

Mr. Pope presented the process followed for the publication of safety guide DS 245, since its endorsement by the Commission in November 1999. The amendments made to the guide were presented to TRANSSC in its February 2001, meeting The guide is in the process of being typeset and it is expected to be published by the end of this year.

6.2 Nuclear Safety Standards Committee

Mr. Hughes outlined the activities of NUSSC and the results of the 11th NUSSC meeting including:

- final review of three safety guides;
- approval of the three DPPs for fuel cycle facilities;
- approval of eight safety guides for submission to the Member States for comments;

- agreement on redrafting of two safety guides before their submission to Member States;

Mr. Hughes also informed the Commission that the heavy workload of NUSSC will continue throughout 2001.

The Commission pointed out that the submission of eight safety guides to Member States in a rapid succession will put a strain on the experts reviewing the guides. The Commission requested the Secretariat to make plans for staggering the submission of the guides and to keep the Member States abreast of its plans for submission of standards for comments; these steps would serve as an early notification and enable the experts to plan their reviews accordingly. [Annex II, 9.2].

6.3 Radiation Safety Standards Committee and the 2nd Joint Meeting of RASSC/WASSC

Mr. Bilbao summarized the activities of RASSC including the status of 18 safety standards currently under review. Mr. Bilbao and Mr. Hioki informed the Commission of the results of the 2nd joint RASSC/WASSC meeting. The joint meeting supported a proposal to simplify the scope of radiation safety standards. The process will include the following**:**

- to use, if possible, one unique set of radionuclide specific levels to define the scope;
- the dose criteria should be based on a dose of the order of 10 microSv in a year with a low probability of exceeding a dose constraint (0.3 mSv/yr) and an extremely low probability of exceeding 1 mSv;
- the existing levels provided in Schedule 1 of the BSS, after the review of the exposure situations and possible amendment, could be used for the purpose (additional modelling is not recommended but critical review is required).

The joint RASSC/WASSC meeting agreed that an expert group should be formed with the participation of experts who were involved in developing Schedule I of the BSS and DS161 (clearance) values, to review, evaluate and propose revisions to the current BSS Schedule I values. In this connection:

- the objectives of the expert groups were set out;
- revision of BSS Schedule I values would have an impact on transport regulations;
- development of DS51, DS161, DS67 and safety report on infrastructure should be suspended;
- working materials for safety guides DS 51 and DS161 should be provided to the expert group for consideration.

The expert group has met on 28 May to 1 June and a technical committee meeting is scheduled for 23-27 July 2001. The outcome of the meetings will be presented to the Board of Governors and the General Conference in September and to the Committees and the Commission at their next meetings.

6.4 Waste Safety Standards Committee

Mr. Hioki presented an overview of WASSC activities including the results of the review of a number of safety standards at the last WASSC meeting. The Commission was informed that a specialists meeting is scheduled for 18-22 June 2001, to resolve issues related to the safety requirements on geological disposal (DS 154) including:

- making the safety case and demonstrating compliance;

- safety indicators;
- reference critical groups and biosphere;
- human intrusion;
- reversibility and retrievability;
- monitoring and institutional control.

Mr. Hioki also informed the Commission that WASSC has agreed to revise safety requirements WS-R-2 to make the requirements applicable to the cleanup of practice situations. The Commission was also informed of the change of title of DS 277 to "Management of Radioactive Waste from Mining and Milling of Ores"; the previous title had referred to mining and milling of U/Th ores.

The Commission pointed out that the change of title had made the scope of this document much broader than the version which had been submitted to Member States for comments. The Secretariat was requested to communicate the change of title and scope of the document to the Member States before the document is submitted to WASSC for final review in October.

7. Endorsement of Safety Standards

Three safety guides and one safety requirements were submitted to the Commission for endorsement. The Commission requested the Secretariat to make sure that all standards submitted for endorsement have the full approval of the Chairmen of the Committees prior to their submission to the Commission.

7.1 Planning and Preparing for Emergency Response to Transport Accidents Involving Radioactive Material (DS 246), Safety Guide

Mr. Pope, Technical Officer for the development of the safety guide, presented the guide and its development. The guide was endorsed by the Commission in November 1999, however, a large number of amendments were made to the guide, in particular to reflect the draft of the safety requirements on the topic (DS 43). These amendments were introduced in the process of getting the guide ready for publication. In view of the significance of some of the changes the Secretariat decided to resubmit the guide to TRANSSC in February of this year for a final review. TRANSSC considered the changes and approved the submission of the guide to the Commission.

The Commission endorsed the publication of the safety guide and asked the secretariat to give the document the highest priority for publication.

7.2 Preparedness and Response for a Nuclear or Radiological Emergency (DS 43), Safety Requirements

Mr. McKenna, Technical Officer for the development of the safety requirements, presented the requirements and its development. The requirements has been subject to review by the four Committees with RASSC having the lead in its development, it is co-sponsored by FAO, OECD/NEA, PAHO and WHO.

The Commission decided that the document needs a careful review to ensure consistency before it is endorsed for publication. One specific comment made is the large emphasis given to categorization rather than the management of emergencies. It was agreed that the Chairman of the Commission will review the requirements and provide the Secretariat with suggestions for change. The Secretariat will communicate the proposed changes to the members of the Commission and the Chairmen of the Committees. After completion of this process the requirements will be endorsed by the Chairman of the Commission for submission to the Board of Governors for approval. It was pointed out that for the requirements to be published this year it has to be considered by the Board of Governors in its September Session which would require the endorsement of the requirements by the Chairman of the Commission by end of June 2001.

7.3 Safety Aspects of Core Management and Fuel Handling for NPPs (DS 297), Safety Guide

Mr. Hughes, acting for Mr. Vaishnys, Technical Officer for the development of the safety guide, presented the guide and its development. The guide has been subject to review by NUSSC.

The Commission endorsed the publication of the safety guide subject to the consideration of the following three issues by the secretariat. The Chairman will be requested to clear the changes made in connection with these issues:

- In Para. 1.2, reference is made only to a design guide, it would be appropriate to include reference to the guidance for deriving these limits;
- Para. 3.23, line 1, delete “kept” insert “designed to be”;
- It is not clear if criticality monitors were considered: some discussion of the topic would be useful.

7.4 Dispersion in Air and Water and Consideration of Population Distribution in site Evaluation for Nuclear Power Plants (DS 182), Safety Guide

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

8. Document Preparation Profiles

The Commission requested the Secretariat to be kept informed of the progress of the draft documents prepared on the basis of the DPPs endorsed at this meeting [Annex II, 9.3].

Concern was raised over the quality of the DPPs, in particular agenda items 8.4 to 8.7, the Commission requested the Committees and the Secretariat to be more thorough in the definition of the scope and the preparation of future DPPs. It was also pointed out that when a safety standard covers several phases of the life cycle of a facility, for example, from design to decommissioning, it is important to have several consultants with the appropriate knowledge to cover all the topics addressed by the document adequately.

8.1 Non-Reactor Nuclear Facilities (DS 316), Safety Requirements

Ms. Ranguelova, Technical Officer, presented the DPP for the preparation of the safety requirements. The Commission endorsed the DPP with the following comments:

- change the title of the document to "Fuel Cycle and Isotope Production Facilities";
- section 2.2, insert "decommissioning" after "operation".

8.2 Safety of Uranium Fuel Fabrication Facilities (DS 317), Safety Guide

Ms. Ranguelova, Technical Officer, presented the DPP for the preparation of the safety guide. The Commission endorsed the DPP with the following comments:

- section 2.2, insert "decommissioning" after "operation";
- the guide should also cover periodic safety assessment.

8.3 Safety of MOX Fuel Fabrication Facilities (DS 318), Safety Guide

Ms. Ranguelova, Technical Officer, presented the DPP for the preparation of the safety guide. The Commission endorsed the DPP with the following comments:

- section 2.2, insert "decommissioning" after "operation";
- the guide should also cover periodic safety assessment.

8.4 Quality Management Systems in Radiation Safety for Regulatory Authority (DS 113), Safety Guide

Mr. Boal, Technical Officer, presented the DPP for the preparation of the safety guide. The Commission made the following comments in connection with the DPP:

- the title and the scope of the guide are incompatible, the title refers to radiation safety in general while the scope of the guide refers to radiation sources;
- a review of the existing IAEA code on quality assurance should be made to consider its extension to cover radiation protection and waste management activities;
- the preparation of the draft should include experts well familiar with the ISO-standards in order to avoid contradiction and unnecessary duplication;
- the safety guide should only provide guidance and leave the requirements to existing IAEA and ISO standards;
- the safety guide should provide enough detailed guidance in order to enable the users to get accreditation or certification.

The Commission endorsed the DPP with the above comments and requested to be kept informed of the progress in the development of the draft safety guide.

The Commission asked the Secretariat to prepare a DPP for the preparation of a safety guide on quality management systems by the regulatory body for nuclear facilities [Annex II, 9.4].

8.5 Quality Management Systems in Radiation Safety for Users (DS 319), Safety Guide

Mr. Boal, Technical Officer, presented the DPP for the preparation of the safety guide. It was requested that the DPP should clarify the type of sources to be covered by the safety guide (i.e. sealed sources, X ray). It was also requested that the title include "users of the radiation sources".

The Commission endorsed the DPP with the above comment and those made in connection with the DPP for DS 318 (agenda item 8.4) and requested to be kept informed of the progress in the development of the draft safety guide.

8.6 Quality Management Systems for Technical Services in Radiation Safety (DS 314), Safety Guide

Mr. Boal presented the DPP on behalf of Mr. Cruz Suarez Technical Officer for the preparation of the safety guide. It was requested that the DPP should clarify the type of maintenance activities to be covered by the safety guide.

The Commission endorsed the DPP with the comments made above and those made for the DS 318 (agenda item 8.4) and requested to be kept informed of the progress in the development of the draft safety guide.

8.7 Objectives and Strategies for Monitoring Radionuclides in the Environment (DS 62), Safety Guide

Ms. Robinson, Technical Officer, presented the DPP for the preparation of the safety guide. The Commission made the following comments in connection with the DPP:

- the title should be changed to reflect the end users of the guide (operators and/or regulators of nuclear facilities);
- the scope of the guide is too general to provide appropriate guidance to the end users, the guidance on monitoring around nuclear facilities should be included in the safety guide (not in Safety Reports as suggested).

The Commission endorsed the DPP with the above comments and requested to be kept informed of the progress in the development of the draft safety guide.

9. Policy Issues

9.1 Information on assignment of Priorities within the Programme of Nuclear Safety

Mr. Domaratzki noted that priorities are set on the basis of: (i) statutory requirements;(ii) decisions of the Board of Governors and the General Conference; (iii) medium term strategy and the comments of Member States; and (iv) recommendations of external review groups. He also referred to the impact of Technical Co-operation needs on priorities. The Commission was also informed of the peer review of the safety programme planned for next year. The Commission considered the

possibility of input to the peer review on the Agency's Safety Standards Programme.

9.2 Responsibilities and Internal Process for Development of Safety Standards

The Scientific Secretary presented the responsibilities in connection with the development of safety standards as outlined in a report on "Preparation and Review of Safety Related IAEA Publications" Version 2.2 October 1998. The report includes the Agency's publishing policy, responsibilities, procedures, manuscript preparation for development of safety standards and a number of appendices. The report outlines the responsibilities of Division Directors, Section Heads, Technical Officers, and the Co-ordinators of the programme.

9.3 Draft Statement by the Commission for distribution to Member States

The Scientific Secretary presented the draft statement on the above topic. The Commission suggested that the statement should be modified to take into account the latest procedures and should include a flow chart for the development of safety standards.

9.4 Chairman's Meeting with the Director General

The Chairman briefed the Commission on the topics discussed with the Director General at their meeting on 29 November 2000. The topic discussed included:

- priorities and resources; particularly additional resources for the development of safety standards on fuel cycle facilities;
- proposed changes to the regulatory system of the Russian Federation;
- waste classification;
- GC resolution on radioactivity in commodities;
- development of quality assurance standards within IAEA;
- application of the IAEA safety standards in Member States; and
- regional centres of excellence and exchange of experts.

The Chairman will meet with the Director General after the next meeting of the Commission.

10. Presentation and Discussion of Regulatory Issues

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

The Chairman read the Statement provided by Mr. Smyshlayaev who was unable to attend the meeting.

11. Topics for Senior Regulators Meeting (GC, September 2001)

The Chairman presented the list of topics suggested for inclusion in the programme of the Senior Regulators' Meeting to be held in connection with the General Conference in September. The

duration of the meeting will be one-and-a half days, starting in the afternoon of Wednesday 19 September. The following topics were selected:

- Feedback from the Peer Discussions: Quality management in regulatory bodies;
- Safety Performance Indicators, for use by regulators;
- Status report on the scope of regulatory control
    - exemption, exclusion and clearance;
    - regulation of 'naturally occurring radioactive materials'
- Regulation for medical uses of radiation.

12. Other Business

12.1 Communicating Nuclear, Radiation, Radioactive Waste and Transport Safety by the Regulatory Body, Safety Report

Mr. Versteeg presented the draft Safety Report on the above topic providing information on its development, scope and the contents. The Commission made the following comments on the report:

- while focusing on the role of the regulatory body in communicating with the public, there is no recognition of the important role that has to be played by the operators and the industry;
- statements relating to the communication by the regulatory body on energy policy are inappropriate and should be removed; and
- the foreword to the report should clearly specify that the report is a collection of useful practices.

13. Dates and Agenda for the next meeting

The schedule of the remaining meetings of the Commission and the Committees for 2001 is as follows:

Commission:	26-28 November;
NUSSC	22-24 October;
RASSC	15-19 October;
WASSC	15-19 October.

The dates of the Commission meetings for 2002 are 3-5 June and 18-20 November. The meetings of the Commission will start in the afternoon of Monday (Monday morning being reserved for meetings of Chairmen).

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

- DS 187, Radiation Protection and Radioactive Waste Management in NPP Operation (Safety Guide);
- DS 247, Organization and Staffing of the Regulatory Body for Nuclear Facilities (Safety Guide);
- DS 248, Review and Assessment of Nuclear Facilities by the Regulatory Body (Safety Guide);
- DS 289, Regulatory Inspection of Nuclear Facilities and Enforcement by the Regulatory Body (Safety Guide);
- DS 290, Documentation Produced and Required in regulating Nuclear Facilities (Safety Guide).

ANNEX I
PROVISIONAL AGENDA
Ninth Meeting of the
COMMISSION ON SAFETY STANDARDS
28-30 May 2001
Meeting Room CO7-IV, IAEA Headquarters, Vienna

1. Opening of the Meeting (14:00)
   Z. Domaratzki, DDG-NS

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

3. Overview of the Activities in the Department of Nuclear Safety
   Z. Domaratzki, DDG-NS

4. Summary Report of the Chairmen's Meeting
   L.G. Williams

5. Status of the IAEA Safety Standards and the Status of Actions Arising from the CSS Meetings
   A. Karbassioun

6. Presentation and discussion of reports of Safety Standards Committees
   - 6.1 Transport Safety Standards Committee
     C. N. Young, Chairman/R. Pope, Scientific Secretary - TRANSSC
   - 6.2 Nuclear Safety Standards Committee
     P. Govaerts, Chairman/P. Hughes, Scientific Secretary - NUSSC
   - 6.3 Radiation Safety Standards Committee
     C. Mason, Chairman/A. Bilbao, Scientific Secretary - RASSC
   - 6.4 Waste Safety Standards Committee
     L. Baekelandt, Chairman/K. Hioki, Scientific Secretary - WASSC

7. Safety Standards
   - 7.1 Planning and Preparing for Emergency Response to Transport Accidents Involving Radioactive Material (DS 246), Safety Guide; *R. Pope, Technical Officer*
   - 7.2 Preparedness and Response for a Nuclear or Radiological Emergency (DS 43), Safety Requirements; *T. McKenna, Technical Officer*
   - 7.3 Safety Aspects of Core Management and Fuel Handling for NPPs (DS 297), Safety Guide; *P. Vaishnys, Technical Officer*
   - 7.4 Dispersion in Air and Water and Consideration of Population Distribution in Site Evaluation for NPPs (DS 182), Safety Guide; *A. Guerpinar, Technical Officer*

8. Document Preparation Profiles
   - 8.1 Non-Reactor Nuclear Facilities (DS 316), Safety Requirements
     V. Ranguelova, Technical Officer
   - 8.2 Safety of Uranium Fuel Fabrication Facilities (DS 317), Safety Guide
     V. Ranguelova, Technical Officer
   - 8.3 Safety of MOX Fuel Fabrication Facilities (DS 318), Safety Guide
     V. Ranguelova, Technical Officer
   - 8.4 Quality Management Systems in Radiation Safety for Regulatory Authority (DS 113), Safety Guide, *T. Boal, Technical Officer*

8.5 Quality Management Systems in Radiation Safety for Users (DS 319), Safety Guide, *T. Boal, Technical Officer*

8.6 Quality Management Systems for Technical Services in Radiation Safety (DS 314), Safety Guide, *R. Cruz, Technical Officer*

8.7 Objectives and Strategies for Monitoring Radionuclides in the Environment (DS 62), Safety Guide, *C. Robinson, Technical Officer*

9. Policy Issues

9.1 Information on assignment of Priorities within the Programme of Nuclear Safety *Z. Domaratzki, DDG-NS*

9.2 Responsibilities and Internal Process for Development of Safety Standards *A. Karbassioun*

9.3 Draft Statement by the Commission for distribution to Member States *A. Karbassioun*

10. Presentation and discussion of Regulatory Issues *(CSS Members)*

11. Topics for Senior Regulators Meeting (GC, September 2001)

12. Any other business

12.1 Communicating Nuclear, Radiation, Radioactive Waste and Transport Safety by the Regulatory Body, Safety Report; *J. Versteeg*

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 Ninth Meeting

9.1 The Chairmen of Committees were requested to discuss the overall structure in the next meeting of Committees, taking into account what is needed by the users of the safety standards for the specific areas and report back to the Commission at the next meeting. *(Ref. Item 4)* **[Action: Chairmen of the Committees and Scientific Secretaries]**

9.2 The Commission requested the Secretariat to make plans for staggering the submission of the guides and to keep the Member States abreast of its plans for submission of standards for comments; these steps would serve as an early notification and enable the experts to plan their reviews accordingly. *(Ref. Item 6.2)* **[Action: P. Hughes]**

9.3 The Commission requested the Secretariat to be kept informed of the progress of the draft documents prepared on the basis of the DPPs endorsed at this meeting. *(Ref. Item 8)* **[Action: Secretariat].**

9.4 The Commission asked the Secretariat to prepare a DPP for the preparation of a safety guide on quality management systems by the regulatory body for nuclear facilities.*(Ref. Item 8.4)* **[Action: Secretariat].**

Actions Remaining from the Eighth Meeting

8.2 The Secretariat was requested to prepare a proposal regarding the procedures to be followed, for consideration by RASSC and the Commission in 2001. *(Ref. Item 6.2)* **[Action: Bilbao, RASSC].**

PARTICIPATION

The Commission

E. D'Amato*, Argentina
A. Caubit da Silva*, Brazil
R. Thomas, Canada (M. Taylor*, unable to attend - sent apologies)
B. Xiong, China (C. Zhao*, unable to attend - sent apologies)
J. Gauvain, France (A-C. Lacoste*, unable to attend - sent apologies)
W. Renneberg*, Germany
S.P. Sukhatme*, India
N. Suda* and K. Kubota, Japan
Se-Jong Kim*, and J.I. Lee, Korea, Republic of
Y.G. Vishnevskiy*, and Ms. O. Romenkova, Russian Federation
A. Martín Marquínez*, and L. Santoma, Spain
L-E. Holm*, Sweden (unable to attend - sent apologies)
W. Jeschki*, Switzerland
O.M. Smyshlayaev*, Ukraine (unable to attend - sent apologies)
L.G. Williams*, (Chairman), R.P. Pape and P.W. Dickenson, United Kingdom
W.D. Travers*, United States of America
R.H. Clarke, ICRP, (unable to attend - sent apologies)
K. Shimoura, OECD Nuclear Energy Agency

Note: * indicates member of the Commission

Chairmen of Committees

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

IAEA Staff Members

Z. Domaratzki, 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)
T. McKenna, Radiation Safety Section (NSRW)
V. Ranguelova, Safety Assessment Section (NSNI)
C. Robinson, Waste Safety Section (NSRW)
T. Boal, Radiation Safety Section (NSRW)
A. Karbassioun, Scientific Secretary, Safety Co-ordination Section