Commission on Safety Standards
Tenth Meeting
26–28 November 2001
IAEA Headquarters, Vienna
Report of the Meeting

1. Introduction

Mr. Taniguchi, Deputy Director General, Head of the Department of Nuclear Safety, opened the tenth meeting of the Commission on Safety Standards and extended his warm welcome to all participants. He indicated his intention to stress three basic principles for the work of the Nuclear Safety Department: transparency; wider and deeper sharing of knowledge and experience; and ever-improving quality of work. He indicated an emphasis by the IAEA on the integration of its various mission and other safety activities. He also aimed to improve public awareness of nuclear safety by providing objective, neutral, scientific views on current issues.

2. Adoption of Agenda and Report of the Ninth Meeting

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

3. Recent Activities in the Department of Nuclear Safety

3.1 Overview of the activities

Mr. Taniguchi presented an overview of related activities of the IAEA and major activities of the Department. Later in the meeting Mr. Linsley (NSRW) and Ms. Carnino (NSNI) provided more detail on the programme of the two Divisions.

Mr. Taniguchi addressed the issues related to the delays in publication of safety standards, the reconstitution of the Safety Standards Committees and noted that the General Conference (GC) had reappointed Mr. Mohamed ElBaradei as Director General for a further four years, to November 2005.

On education and training for safety, the General Conference had endorsed the Agency's strategic plan, which focused on promoting self-sustaining education and training capabilities in Member States as well as the provision of courses. This involved a greater emphasis on developing standard courses and course materials (in different languages), training the trainers and supporting the establishment of regional centres.

This year's Senior Regulator's Meeting gave increased attention to topics not related to regulation of nuclear power plants, and therefore of potential interest to a larger number of Member States. The topics covered at the meeting included:

- regulation of medical exposure;
- scope of regulation (exemption, exclusion, clearance, commodities);
- peer discussions: quality management of regulatory organizations; and
- safety performance indicators: Report from the Topical Issues Conference.

At the request of Kuwait, the Agency organized a joint mission with UNEP to carry out monitoring and sampling for the purposes of assessing the environmental conditions and the potential health impact on individuals in areas affected by depleted uranium (DU) munitions during the 1991 Persian Gulf War. The report on this mission is expected early in 2002. The Agency continues to co-operate with UNEP on the evaluation of DU-affected areas in the Balkans.

Mr. Taniguchi concluded his presentation by describing the actions taken by the IAEA in response to the 11 September terrorist attacks in the USA. The GC had requested that the DG "review thoroughly the activities and programmes of the Agency with a view to strengthening the Agency work relevant to preventing acts of terrorism involving nuclear materials and other radioactive materials". Pursuant to this request, the Secretariat had undertaken an inventory of all relevant work in progress or planned and had begun drawing up preliminary proposals for further actions, for submission to the November session of the Board of Governors. The intention was to refine these proposals on the basis of comments from Member States during the November Board and in the subsequent months, and to present more specific plans to the March 2002 session of the Board.

3.2 Radiation, transport and radioactive waste safety

Mr. Linsley, Acting Director of NSRW, introduced the radiation safety, transport safety and waste safety issues which the GC had addressed. The main topics in the radiation safety area were as follows:

- on the radiological protection of patients, the GC endorsed the development of an action plan based on the findings of the Málaga Conference in March 2001;
- on the safety and security of radiation sources, the GC endorsed the revised action plan, which had been prepared in the light of recommendations from the Buenos Aires Conference in December 2000; and
- the area of transport safety had been one of the more controversial issues at the GC. In addition to emphasizing the importance of adherence to the IAEA Transport Regulations and of liability issues, the GC urged shipping States to provide assurances to potentially affected States that their national regulations accord with the Transport Regulations, welcomed the practice of some shipping States and operators of undertaking timely consultations with relevant coastal States in advance of shipments and invited others to do so.

Mr. Linsley added that the IAEA was preparing to conduct a Transport Safety Appraisal Service (TranSAS) review requested by the UK Government: although this was not the first TranSAS mission, it would be a high profile one. He also mentioned that the IAEA was planning an international conference on transport safety. This will be early in 2003, but the venue has not been decided yet: Turkey and Panama are among the possibilities being considered.

In radioactive waste safety, the GC endorsed the 'action plan' on the safety of radioactive waste management that had been prepared by the Secretariat to take account of the findings of the March 2000 Córdoba Conference.

The Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management entered into force on 18 June 2001 and the preparatory meeting is scheduled for 10–14 December 2001. This meeting will agree on the procedures to

be followed in relation to national reports and review meetings, which were largely based on those adopted by the Convention on Nuclear Safety. The first review meeting of the Joint Convention will be in late 2003.

3.3 Nuclear installations safety

Ms. Carnino, Director of NSNI, provided the members with an overview of the results from the Conference on Topical Issues in Nuclear Safety held in September. The issues discussed were:

- risk informed decision making;
- influence of external factors on safety;
- safety of fuel cycle facilities;
- safety performance indicators;
- safety of research reactors; and
- maintaining competence (panel discussion).

The issue papers and session chairpersons' reports from the Conference are available on WorldAtom at www.iaea.org/worldatom/Meetings/2001/infcn82.shtml. It was indicated that the conclusions and recommendations from the Conference were largely consistent with the priorities already established by NSNI, although a few minor adjustments would be made to the 2002–2003 programme in the area of research reactor safety. Some of the new ideas from the Conference would be taken into account in preparing the programme for 2004–2005.

Ms. Carnino then described the major nuclear safety issues addressed by the Board of Governors and the General Conference (GC) in September. In particular:

- Member States were encouraged to continue making use of the Agency's safety services, including the newly developed integrated safety evaluation service;
- the proposed International Research Reactor Safety Enhancement Plan was endorsed;
- the Secretariat was requested to continue to monitor closely research reactors under Agency Project and Supply Agreements; and
- the Secretariat's decision to develop safety standards for nuclear fuel cycle facilities was welcomed.

The second Review Meeting of the Convention on Nuclear Safety starts on 15 April 2002, and the deadline for submission of national reports was 15 October 2001. Ms. Carnino indicated that relatively few of the Contracting Parties that do not have nuclear power plants had so far submitted national reports. An Organizational Meeting in September had established the country groups for the Review Meeting and selected officers for the Meeting and the country groups.

4. Report of the Chairmen's Meeting

Mr. Williams outlined the discussions of the Chairmen's meeting held in the morning of 26 November 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:

Reconstitution of Safety Standards Committees: The current terms of the four Safety Standards Committees (NUSSC, RASSC, TRANSSC and WASSC) expire at the end of 2001. The

Agency has decided to reconstitute the Committees for another three-year period covering 2002 to 2004. In response to requests from a number of Member States and in order to provide more transparency in the development of the safety standards the Secretariat has invited all the Member States to nominate experts for participation in the Safety Standards Committees. The Chairmen and the members of the Commission expressed concern regarding the possibility of a large membership in the Committees. It was pointed out that if many of the Member States accept the invitation and nominate members to the Committees it would make it very difficult to conduct meaningful technical discussions which could adversely affect the quality and production rate of the safety standards. The Chairman was requested to bring this to the attention of the Director General (see Item 9.3 of this report). It was also proposed to organize a one-day Seminar for new members of the Committees to brief them on the process of developing safety standards.

Risk Informed Decision Making: The need for developing a safety guide on the topic was discussed. It was pointed out that guidance on the topic would be very important for both operators and regulatory bodies particularly at a time of limited resources. However, due to difficulties involved in reaching international consensus, it was decided to develop a TECDOC on the topic to be used possibly in the future, as a basis for the development of a safety guide.

Overall Structure of Safety Standards: The Committees (NUSSC, RASSC and WASSC) have reviewed the recent draft of the overall structure of their topical areas (see Item 9.1 of this report). The three reports will be integrated into one, in time for review at the next meeting of the Committees before submission to the Commission in June 2002.

Publication Timescales for Standards Documents: The Committees were concerned about the length of time it was taking to get standards published. It was felt that editing and printing were becoming bottlenecks. The Agency was asked to consider ways of improving the situation.

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

The Scientific Secretary reported on the status of the endorsed safety standards. Three of the eight safety standards endorsed for publication, at the eighth meeting of the Commission (November 2000) have now been published with an additional two expected for publication before the end of 2001. Currently another seven safety standards are in various stages of editing prior to their publication. The Commission found the long delays, well over one year for most of the standards, unacceptable and requested the Chairman to bring this to the attention of the Director General (see Item 9.3 of this report).

The Commission was informed that the websites for the Commission and the Committees has been modified to allow access to the full text of safety standards, both in their draft and published versions. Documents related to the meetings of the Commission are posted on the website and currently electronic and hard copies of the documents are sent to the members in advance of each meeting. The Secretariat intends to stop mailing hard copies of these documents, with the exception of the invitation letter, unless members specifically request that hard copies of documents be sent. The Commission requested the Secretariat to pay particular attention to ensure that the most recent drafts of safety standards are posted on the website and that the cover page includes the status of each document and the action requested.

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

- Action 9.1 The Chairmen of Committees were requested to discuss the overall structure of the IAEA Safety Standards Programme in the next meeting of the Committees, taking into account what is needed by the users of the safety standards for the specific areas, and to report back to the Commission at the next meeting. *Item 9.1 of this report summarizes the outcome of the discussion on the topic.*
- Action 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. *The delays in approving some of the standards by NUSSC alleviated the need for the staggering of their submission. Attention is being paid to ensure that no more than 2 to 3 standards of NUSSC are with the Member States for comment at any given time. The Secretariat emphasized that comments should be on substance, not minor editorial detail.*
- Action 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 the ninth meeting. *Mr. Bilbao informed the Commission of the status of DS62 (see Item 6.2 of this report) The remaining safety guides (DS113, DS319 and DS314) are still in early stages of drafting. The Scientific Secretary will report on their progress to the Commission in the future.*
- Action 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. *The topic was discussed at the recent meeting of NUSSC and it was decided to combine development of the safety guide with DS113 being considered for radiation sources. A revised DPP covering radiation sources and nuclear facilities will be prepared and will be submitted to the Commission after approval by the Committees.*
- Action 8.2 The Secretariat was requested to prepare a proposal regarding the procedures to be followed, for consideration by the Commission in 2001. *Item 9.2 of this report summarizes the outcome of the discussion on the topic.*

6. Activities of the Committees on Safety Standards

6.1 Nuclear Safety Standards Committee

Mr. Hughes outlined the activities of NUSSC and the results of the 12th NUSSC meeting including:

- the DPP on quality management for the regulatory body;
- the second NUSSC three-year report;
- the large number of standards being made ready for final review by the Commission (15 in 2002 and 21 in 2003);
- review of seven safety standards for submission to the Commission;
- review of five safety standards for submission to the Member States; and
- first review of five safety standards.

The Commission was informed that the Secretariat was considering the possible inclusion of security related topics in the draft safety Guide DS301 "external non seismic events". The Commission pointed out that if such inclusions are intended then the DPP for the guide has to be revised and approved before taking further actions; but the Secretariat should consider carefully whether it would be more appropriate to deal separately with security.

The Commission requested the Secretariat to provide an indication of costs associated with outsourcing of publication of safety standards for consideration at the next meeting. However, in view of the positive response in providing additional resources to expedite the publication of the safety standards this will not be necessary (see Item 9.3 of this report).

6.2 Radiation Safety Standards Committee

Mr. Bilbao summarized the activities of RASSC and the results of the 11th RASSC meeting including:

- the status of 21 safety standards currently under review by RASSC (RASSC having the lead for review of 12 safety standards;
- a consultant meeting planned for 2002 to review the INES users manual in relation to radiation sources, for submission to RASSC in connection with the next revision of the manual;
- the three-year report of RASSC;
- the procedure for the revision of the BSS; and
- the third Joint Meeting of RASSC and WASSC.

In a report on the overall structure of the safety standards programme, presented to the Commission in November 2000 environmental monitoring around nuclear facilities was identified as a gap in the programme. A DPP (DS62) covering general aspects of monitoring (strategies and principles) was approved at the ninth meeting of the Commission. RASSC and WASSC in their joint meeting were informed by the Secretariat that in order to close the identified gap there is a need for an additional three safety guides and two safety reports on the topic. The Committees agreed, in principle, to the development of the proposed safety guides. DPPs will be prepared for approval by the Committees before submission to the Commission. The full list of documents to be prepared in relation to environmental monitoring includes:

- DS62 strategy for environmental and source monitoring for public purposes;
- safety guide on monitoring and surveillance of residues from the mining and milling of uranium and thorium;
- safety guide on environmental and source monitoring around nuclear power plants and research reactors;
- safety guide on monitoring and surveillance of near surface waste disposal facilities;
- safety report on methods of environmental monitoring of radionuclides; and
- safety report on dose assessment based upon the environmental data.

A Technical Committee Meeting (TCM) on the scope of radiation safety regulations (DS161) was held in July 2001. The members of RASSC and WASSC, in their joint meeting, expressed reservations regarding the TCM recommendations and the approach to be followed by the Secretariat in developing the guide and meeting the GC deadline of September 2002. The Commission agreed with the views of the members of the Committees and decided to include this item in the discussion of the Chairman and the Director General, with a view to requesting an extension of the GC deadline to September 2003 (see Item 9.3 of this report).

6.3 Waste Safety Standards Committee

Mr. Hioki presented the activities of WASSC and the results of the 12th WASSC meeting including:

- review of eight safety standards for submission to the Commission;
- review of two safety standards for submission to the Member States;
- the three-year report of WASSC;
- the third Joint Meeting of RASSC and WASSC;
- the scope of regulatory control (jointly with RASSC);
- consideration of development of a DPP on quality assurance;
- the specialist meeting on geological disposal held in June 2001, resulting in a document on the topic, to be published as a TECDOC;
- the joint session of WASSC and the Waste Technology Committee and the discussion of a draft TECDOC on borehole disposal; and
- the agreement reached between NUSSC and WASSC in connection with safety guides DS159, DS163 and DS292 (see item 4 of the ninth meeting report) in which the second option proposed by the Commission was adopted.

In connection with the last item, it was pointed out that care was needed to ensure that the selection of the second option by the Secretariat and the Committees does not result in the development of too many additional safety guides.

6.4 Transport Safety Standards Committee

Mr. Young noted that TRANSSC had not met since the last Commission meeting. However, two Technical Committee Meetings had been held concerning transport safety.

On September 24–28, a TCM to "Evaluate the Revision and Harmonized Adoption Process for the Agency's Regulations for the Safe Transport of Radioactive Material" was held. This meeting, which took place towards the end of the first two-year review/revision cycle, considered the lessons learned from the process and how to improve it in the future. The timetable for the first cycle had been met and provided the necessary synchronization with the meeting schedule of the UN Committee of Experts on the Transport of Dangerous Goods. There had been some problems, e.g. with timely distribution of documentation, providing feedback to the Member States on the fate of their proposals and an unnecessary procedural complexity. Recommendations on how to streamline and improve future review/revision cycles were produced and will be considered by the next TRANSSC meeting (March 2002). The meeting also noted the possible need for a "Document Review Profile" which would be submitted to the CSS when an existing document was to be reviewed/revised and would be similar to a DPP for new Safety Standards Series documents.

On November 12–16, the second revision panel meeting of the first two-year review/revision cycle was held. The meeting considered Member State comments on proposed Major Changes and Changes of Detail to the Transport Regulations. The proposals were evaluated accordingly on the basis of the MS comments and recommendations, including the full text required in TS-R-1 and draft advisory text for TS-G-1.1, made for consideration by TRANSSC at its next meeting to accept/reject or modify the proposals as appropriate. In all cases the rationale behind the recommendations of the meeting were recorded to enable feedback to be given to the Member States on the fate of their proposals. The meeting's

recommendation to TRANSSC is that an amended edition of the Transport Regulations be published in 2003, rather than a completely revised edition.

7. Endorsement of Safety Standards

One safety requirements and nine safety guides were submitted to the Commission for endorsement. The Commission expressed its appreciation to the Committee members, Technical Officers, editorial staff and the Scientific Secretaries for the high quality of the documents presented to the Commission at this meeting.

During the presentation of draft safety guides DS247, DS248, DS289 and DS290, (agenda items 7.4 to 7.7) Mr. Karbassioun informed the Commission of the list of safety guides supplementing the safety requirements on legal and governmental infrastructure for nuclear, radiation, radioactive waste and transport safety GS-R-1. The Commission requested that DS161 should be removed from this list and included in the list of safety guides supplementing the Basic Safety Standards. The change will be reflected in the next issue of the Status report.

7.1 Predisposal Management of Low and Intermediate Level Radioactive Waste (DS159), Safety Guide

Mr. Metcalf, Technical Officer for the development of the safety guide, presented the guide and outlined its development. The guide has been subject to review by WASSC and NUSSC. It was decided to insert at the top of tables I to III, the phrase “When making use of this list it must be recognized that not all the initiating events in the table would necessarily be applicable to all facilities and all sites. The list is provided as aide memoire and is intended to be used as such”. The Commission endorsed the publication of the safety guide.

7.2 Predisposal Management of High Level Radioactive Waste (DS163), Safety Guide

Mr. Metcalf, Technical Officer for the development of the safety guide, presented the guide and outlined its development. The guide has been subject to review by WASSC and NUSSC. It was decided to insert at the top of tables I to III, the phrase “When making use of this list it must be recognized that not all the initiating events in the table would necessarily be applicable to all facilities and all sites. The list is provided as aide memoire and is intended to be used as such.”. The Commission endorsed the publication of the safety guide.

The Commission agreed that the phrase to be inserted in DS159 and DS163 should be used for all lists provided as aides-memoire.

7.3 Management of Radioactive Waste from the Mining and Milling of Ores (DS277), Safety Guide

Mr. Reisenweaver, Technical Officer for the development of the safety guide, presented the guide and informed the Commission that the change of title (see Item 6.4 of the ninth meeting report) had been communicated to the Member States and there is general agreement with the change. The guide has been subject to review by WASSC and RASSC. The Commission endorsed the publication of the safety guide.

7.4 Organization and Staffing of the Regulatory Body for Nuclear Facilities (DS247), Safety Guide

Mr. Karbassioun, Technical Officer for the development of the safety guide, presented the guide and its outlined development. The guide has been subject to review by NUSSC and WASSC. The Commission agreed to the removal of references to the requirements in para. 2.7. The Commission endorsed the publication of the safety guide.

7.5 Review and Assessment of Nuclear Facilities by the Regulatory Body (DS248), Safety Guide

Mr. Karbassioun, 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 and WASSC. The Commission endorsed the publication of the safety guide.

7.6 Regulatory Inspection of Nuclear Facilities and Enforcement by the Regulatory Body (DS289), Safety Guide

Mr. Karbassioun, 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 and WASSC. The Commission endorsed the publication of the safety guide.

7.7 Documentation Produced and Required in Regulating Nuclear Facilities (DS290), Safety Guide

Mr. Karbassioun, 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 and WASSC. The Commission agreed with the proposed change of title to "Documentation for Use in Regulating Nuclear Facilities". The Commission endorsed the publication of the safety guide.

Mr. Karbassioun noted in passing that GS-R-1 might need revision in the future to incorporate regulatory independence advice and the addition of an appendix on the authorisation process.

CSS agreed to the preparation of a DPP for a safety guide on regulatory management systems.

7.8 Radiation Protection and Radioactive Waste Management in the Operation of Nuclear Power Plants (DS187), Safety Guide

Mr. Metcalf acting for Ms. Gustafsson, 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, NUSSC and WASSC. The Commission expressed a general preference that safety guidance on different subjects should not be put together in one document, but it was willing to endorse the publication of this safety guide with the following changes:

- para. 2.22 delete the last sentence "Dose constraints should not be used retrospectively to check compliance with protection requirements";
- para. 6.4 insert, before the penultimate sentence "Employers, registrant and licensees shall provide for access by workers to information in their own exposure records." as a quote from the Basic Safety Standards para. I.47.

7.9 Maintenance, Surveillance and In-Service Inspection in Nuclear Power Plants (DS273), 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 noting that it did not specifically propose risk-informed in-service inspection but it was flexible enough to allow this. The Commission suggested the possibility of a TECDOC on risk-informed scheduling, etc.

7.10 Preparedness and Response for a Nuclear or Radiological Emergency (DS43), Safety Requirements

The revised draft prepared on the basis of the comments made at the last meeting (see item 7.2 of the ninth meeting report) was distributed to the members of the Commission and approved by the Chairman. Mr. Crick acting for Mr. McKenna, Technical Officer for the development of the safety requirements, presented the requirements and the addendum to Annex III, addressing iodine prophylaxis. The Commission was also informed that the United Nations Office for the Co-ordination of Humanitarian Affairs (OCHA) and International Labour Organization (ILO) have agreed to co-sponsor the publication of the safety requirements. This is in addition to FAO, OECD/NED, PAHO and WHO. The co-sponsoring international organizations have been given until 15 December 2001, to approve the text of the safety requirements. The members of the Commission are requested to communicate to the Secretariat their approval or comments to the addendum to annex III by 15 December. Any comments received from the co-sponsoring international organization and the members of the Commission will be communicated to the Chairman. The Chairman will then decide if the requirements should be submitted to the Board of Governors for final approval.

8. Document Preparation Profiles

The two DPPs are considered as a starting point to initiate the biennial revision of the two documents in the transport safety area.

8.1 Regulations for the Safe Transport of Radioactive Material (Revision of TS-R-1)

Mr. Dicke, Technical Officer presented the DPP for the preparation of the safety requirements. The Commission approved the DPP.

8.2 Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Material (Revision of TS-G-1.1)

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

9. Policy Issues

9.1 Overall Structure of the IAEA Safety Standards Programme

Messrs. Bilbao, Hioki and Hughes presented the overall structure of the safety standards in their respective areas. The Commission was informed that a number of topics identified as gaps in the safety standards are covered by other types of Agency publications (Safety Reports

and TECDOCs), this is particularly true for the area of radiation safety. The Commission requested the Secretariat to bring the topics and the related published documents to the attention of the Committees and if agreed prepare DPPs for development of additional guides using the existing publications as a basis. The Commission discussed the overall structure and stressed again the importance of the exercise and requested the Secretariat to:

- integrate the three presentations into one table using the area of nuclear safety as a model;
- present the findings to the Committees at their next meetings; and
- prepare a final report for consideration by the Commission at its next meeting.

The Commission decided to take a new look at the specific responsibility of the Committees at its next meeting. [Annex II, 10.1].

9.2 Procedure for Co-sponsorship of the IAEA Safety Standards by Other International Organizations

Mr. Bilbao presented a report on the topic. The Commission noted that the process for co-sponsorship of the IAEA safety standards by other international organizations should be flexible to be able to accommodate for the distinction between governmental and non-governmental organizations. The Secretariat was requested to obtain, as far as possible, the approval of the co-sponsoring organizations prior to the final review of the Commission.

During discussion, Mr. Metcalf commented that WASSC thinking about the Joint Convention had highlighted the need to clarify waste classification schemes, to seek consistency, and to give guidance on possible options for disposal. The Commission was supportive.

9.3 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 topics included the reconstitution of the Safety Standards Committees, the GC request to finalize the draft of the Safety Guide on Commodities by September 2002 and delays encountered in the publishing of approved safety standards.

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

The Chairman informed the Director General of the high quality of the safety standards submitted to the Commission for final review and the efforts to develop the overall structure of the IAEA safety standards. 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 [Annex II, 10.2]. This could be used as a basis for a co-ordinated campaign to make the standards more visible to experts in Member States by explaining what they are, how they are developed and who is to benefit from them. The Director General asked the members of the Commission and the Committees to assist in this effort towards making the Agency's safety Standards more visible. The members of Commission agreed in principle and will review the Secretariat's report at the next meeting.

The Director General informed the Chairman of his recent meeting with the Vice President of the European Commission (EC) and Commissioner for Energy and Transport (TREN). The Vice President of the European Commission had expressed reservations about the adequacy and value

of the IAEA Nuclear Safety Standards. Both the Director General and the Chairman agreed that there seem to be a lack of understanding and recognition of the IAEA safety standards by the EC. The Director General asked the Chairman to write to the EC informing them of the quality and comprehensiveness of the IAEA safety standards. The Commission members agreed. 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 [Annex II, 10.3].

The Director General also informed the Chairman of a concerted effort by the Secretariat to use the safety standards as the basis for reviews conducted by the IAEA safety services. In future the Commission will have the benefit of feedback from the safety services on the use of the safety standards. On the topic of reconstitution of the Safety Standards Committees, the Chairman raised the concerns of the Commission members that an enlarged membership might influence the efficiency of the process and put the quality of the standards at stake. It was agreed to wait until the size and the make-up of the Committees are known and then decide, in January/February 2002, if there is a need to consider new ways of working. There was agreement on the organization of a one-day Seminar in connection with the first meeting of the Committees in order to brief the new members on the process for the development of the safety standards. The Director General expressed the need for a greater Member State commitment to safety standards and setting-up a network with the members of the Committees as "contact points". This network would be useful when requesting Member States comments on the safety standards and in providing feedback to the originator of comments.

On the topic of the safety guide on commodities, the Director General agreed that the safety standards have to follow the due process in order to reach international consensus. He will inform the March Session of the Board of Governors that, in response to the GC request, a preliminary report will be prepared for the GC in September 2002. A final report will be ready in June 2003, which can be submitted to GC in September 2003.

On the topic of delays in publishing of the safety standards, a one-year delay for the publication of approved safety standards was considered unacceptable. The Director General agreed to the need for additional resources for editorial help and printing of the standards to speed up the process.

The members of the Commission expressed their appreciation to the Director General and the Chairman for the comprehensive meeting and the very useful dialogue. The fact that the Chairman was able to report back to the Commission right after his meeting was very much appreciated by the members. It was requested that similar arrangements in connection with the future meetings of the Commission would be very beneficial.

10. Presentation and Discussion of Regulatory Issues

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

11. Other Business

11.1 Translation of the IAEA safety standards

Mr. Versteeg informed the members of the Commission of the status of the translation of the IAEA safety standards and requested that the members assist in the quality control of these translations. Messrs. Charafoutdinov and Azuara agreed to look into the situation in their respective countries.

12. Dates and Agenda for the next meeting

The schedule of the meetings of the Commission and the Committees for 2002 is as follows:

Commission:	3–5 June;	18–20 November;
NUSSC:	8–10 April	21–23 October;
RASSC:	25–28 March	30 September–4 October;
TRANSSC:	4-8 March;	
WASSC:	25–28 March	30 September–4 October.

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:

- **DS303** Emergency Power Systems at Nuclear Power Plants
- **DS276** Fuel Handling and Storage Systems in Nuclear Power Plants
- **DS304** Seismic Design and Component Qualification for Nuclear Power Plants
- **DS287** The Recruitment, Qualification and Training of Nuclear Power Plant Personnel
- **DS291** Commissioning of Nuclear Power Plants
- **DS307** Periodic Safety Review of Nuclear Power Plants
- **DS302** Seismic Hazard Evaluation for Nuclear Power Plants
- **DS280** Flood Hazard for Nuclear Power Plants on Coastal and River Sites
- **DS184** Meteorological Events in Site Evaluation for Nuclear Power Plants

ANNEX I
AGENDA
Tenth Meeting of the
COMMISSION ON SAFETY STANDARDS
26–28 November 2001

Meeting Room CO7-VI, 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 Ninth Meeting
   L.G. Williams

3. Overview of the Activities in the Department of Nuclear Safety
   T. Taniguchi, DDG-NS / A. Carnino DIR-NSNI / A. Gonzalez DIR-NSRW

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 Nuclear Safety Standards Committee
   P. Govaerts, Chairman/P. Hughes, Scientific Secretary–NUSSC
   6.2 Radiation Safety Standards Committee
   C. Mason, Chairman/A. Bilbao, Scientific Secretary–RASSC
   6.3 Waste Safety Standards Committee
   L. Baekelandt, Chairman/K. Hioki, Scientific Secretary–WASSC
   6.4 Transport safety standards Committee
   C. Young Chairman/R. Pope Scientific Secretary–TRANSSC

7. Safety Standards

   7.1 Predisposal Management of Low and Intermediate Level Radioactive Waste (DS159), Safety Guide; *P. Metcalf, A/Technical Officer*
   7.2 Predisposal Management of High Level Radioactive Waste (DS163), Safety Guide; *P Metcalf, A/Technical Officer*
   7.3 Management of Radioactive Waste from the Mining and Milling of Ores (DS277), Safety Guide; *D. Reisenweaver, Technical Officer*
   7.4 Organizations and Staffing of the Regulatory Body for Nuclear Facilities (DS247), Safety Guide; *A. Karbassioun, Technical Officer*
   7.5 Reviews and Assessment of Nuclear Facilities by the Regulatory Body (DS248), Safety Guide; *A. Karbassioun, Technical Officer*
   7.6 Regulatory Inspection of Nuclear Facilities and Enforcement by the Regulatory Body (DS289), Safety Guide; *A. Karbassioun, Technical Officer*
   7.7 Documentation Produced and Required in Regulating Nuclear Facilities (DS290), Safety Guide; *A. Karbassioun, Technical Officer*
   7.8 Radiation Protections and Radioactive Waste Management in the Operation of Nuclear Power Plants (DS187), Safety Guide; *M. Gustafsson, Technical Officers*
   7.9 Maintenance, Surveillance and In-Service Inspection in Nuclear Power Plants (DS273), Safety Guide; *P. Vaishnys, Technical Officer*
   7.10 Preparedness and Response for a Nuclear or Radiological Emergency (DS43), Safety Requirements, *T. McKenna, Technical Officer*

8. Document Preparation Profiles

   8.1 Regulations for the Safe Transport of Radioactive Material (Revision of TS-R-1)
   G. Dicke, Technical Officer

   8.2 Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Material (Revision of TS-G-1.1), *R. Pope, Technical Officer*

9. Policy Issues

   9.1 Overall Structure of the IAEA Safety Standards
   A. Bilbao, K. Hioki, P. Hughes

   9.2 Procedure for Co-sponsorship of the IAEA Safety Standards by Other International Organizations, *A. Bilbao*

   9.3 Chairman's Meeting with the Director General

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

11. Any other business

12. 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 Tenth Meeting

10.1 The Commission decided to take a new look at the specific responsibility of the Committees at its next meeting. *(Ref. Item 9.1)* **[Action: A. Karbassioun]**

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. *(Ref. Item 9.3)* **[Action: A. Karbassioun]**

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. *(Ref. Item 9.3)* **[Action: Chairman and Secretariat].**

PARTICIPATION

The Commission

E. D'Amato*, Argentina (sent apologies–unable to attend)
A. Caubit da Silva*, Brazil
M. Taylor*, Canada
C. Zhao*, and Y. Zhao, China
A-C. Lacoste*, and J. Gauvain, France
R.D. Wendling, Germany (Mr. W. Renneberg, member–unable to attend)
S.P. Sukhatme*, India (sent apologies–unable to attend)
N. Suda*, S. Nishinosono, and K. Oasada, Japan
Se-Jong Kim*, H.J. Lee, and M.W. Kim Korea, Republic of
R. Charafoutdinov, Russian Federation (Mr. Vishnevskiy, member–unable to attend)
Mr. G.A. Azuara* and L. Santoma, Spain
L-E. Holm*, Sweden (sent apologies–unable to attend)
W. Jeschki*, Switzerland
O.M. Smyshlayaev*, Ukraine (unable to attend)
L.G. Williams*, (Chair) United Kingdom
R.P. Pape, P.W. Dickenson and A. Rae, United Kingdom
W.D. Travers*, United States of America
R.H. Clarke, ICRP, (sent apologies–unable to attend)
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

T. Taniguchi, Deputy Director General, Department of Nuclear Safety
A. Carnino, Director, Division of Nuclear Installation Safety (NSNI)
G. Linsley Acting 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
P. Metcalf, Waste Safety Section–NSRW
D. Reisenweaver, Waste Safety Section–NSRW
P. Vaishnys, Operational Safety Section–NSNI
M. Crick, Radiation Safety Section–NSRW
T. McKenna, Radiation Safety Section–NSRW
G. Dicke, Radiation Safety Section–NSRW
A. Karbassioun, Scientific Secretary, Safety Co-ordination Section