2001-04-18

Commission on Safety Standards
Eighth Meeting
27-29 November 2000
IAEA Headquarters, Vienna
Draft Report of the Meeting

1. Introduction

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

2. Adoption of Agenda and Report of the Seventh Meeting

The agenda for the eighth meeting of the Commission was approved (Annex I). The draft report of the seventh meeting was approved with the following corrections:
(i) Section 5.1 Page 3, last Para., lines 6 & 10: delete "DS262", insert "DS272";
(ii) Annex II action 7.8 line 2; delete "*7.2*", insert "*7.1*".

Copies of the report, as amended, were distributed at the meeting. The list of actions arising from the deliberations at the eighth 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 informed the Commission of the following:

- in the light of the zero real growth policy and due to increasing staff costs, the Department's programme budget for the period 2002-2003 has effectively been reduced by about 1%;
- waste safety and waste technology programmes are presented under one major programme area for the new programme and budget cycle;
- due to insufficient resources, the preparation of safety standards for nuclear fuel cycle facilities has been included in the programme under "unfunded regular programme activities";
- agreement on making the safety standards available free of charge on the internet is near finalization;
- two more instruments of ratification are required for the Joint Convention on the Safety of Spent Fuel Management and on the Safety of Waste Management to enter into force;
- the reference in the Director General's speeches regarding the application of the IAEA Safety Standards by the Member States and their comparison to the Standards of the International Civil Aviation Organization (ICAO);
- the next round of peer discussion groups is to begin deliberation on the topic of quality management of the regulator, topic suggested by the Commission.

3.2 Regulatory Independence

Ms. Carnino informed the Commission of the need to clarify the term "regulatory independence", particularly for the States party to the Convention on Nuclear Safety which are in the process of starting the preparation of their national reports for the review meeting. The Chairman pointed out that the International Nuclear Regulators' Association (INRA) is also working on the topic and is expected to complete the task in the near future. A copy of a draft report on regulatory independence prepared by the Secretariat was distributed at the meeting. It was agreed that the members of the Commission would send their comments on the draft by *31 January 2001* [Annex II, 8.1]. The draft has also been sent to the members of NUSSC for comments. It was decided that on the basis of comments from the Commission and NUSSC members, the Secretariat will prepare a new draft for distribution as a working document and for inclusion in the Safety Guide "Organization and Staffing of the Regulatory Body for Nuclear Facilities" (DS 247).

3.3 GC resolutions and related topics

Mr. Gonzalez informed the Commission of the resolutions passed at the General Conference, covering topics of:

- education and training;
- transport of radioactive material;
- safety of radioactive waste management;
- safety of radioactive sources;
- radiological criteria for long lived radionuclides in commodities;
- conventions on early notification and assistance.

Mr. Gonzalez also informed the Commission that a set of manuals have been prepared in support of the Convention on Early Notification of a Nuclear Accident and the Convention on Assistance in the Case of a Nuclear Accident or Radiological Emergency.

4. Report of the Chairmen's Meeting

Mr. Williams presented a summary of the discussions of the Chairmen's meeting held in the morning of 27 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 items of agenda; the agreements and conclusions reached reflect the result of deliberation on each of these topics:

<u>Endorsed Safety Guides in the area of Transport Safety</u>: Safety Guides on Advisory Material for the Regulations for the Safe Transport of Radioactive Material (DS 245) and on Emergency Response Planning and Preparedness for Transport Accidents Involving Radioactive Material (DS 246), were endorsed for publication by the Commission in November of 1999. Concerns were expressed over the delay and particularly over the amount of rewriting of these safety guides, given as a reason for the delay. The Commission confirmed the pressing need for the publication of these safety guides.

The Commission felt it was unacceptable for documents to be changed after CSS had endorsed them. In future the IAEA should not change documents after CSS has endorsed them. This meant that CSS should only see the final draft documents after all editorial and other procedures had been completed.

Development of Common Safety Fundamentals: As decided at the last Commission's meeting the extended outline of the Safety Fundamentals has been reviewed by the four Committees. The Chairmen of the Committees expressed some concern over possible loss or dilution of specific principles related to nuclear, radiation and waste safety in the process of the development of a common Safety Fundamentals. It was decided to proceed with the development of a single Safety Fundamentals with a subsection for each of the four areas of nuclear, radiation, transport and waste safety (see also Item 6 below).

Classification of Radioactive Waste: The conclusion of the Scientific Forum on Radioactive Waste Management held during the General Conference raised the issue of classification of radioactive waste and classification schemes, used by the Member States which are both different from the Agency's guide on the topic (Safety Guide on Classification of Radioactive Waste, Safety Series No. 111-G-1.1, published in 1994) and vary between Member States. Mr. Williams will raise the topic in his meeting with the Director General.

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

The Scientific Secretary presented the status of the safety standards and provided information on their free distribution. Nine safety standards (five safety requirements and four safety guides) were published this year, 16 Standards are expected to be published in 2001 and 21 in 2002. The Commission was informed of a database prepared for free distribution of 500 copies of safety standards. The database currently includes 126 countries and 380 individual addresses with particular emphasis on the users in the developing countries. The database is being expanded to include addresses of nuclear power plants world-wide. The recently published standards will be distributed to the potential users with a covering letter from the DDG-NS in early January 2001. The Commission was also informed that the safety glossary is now installed on the website [www.iaea.org/ns/coordinet].

The Scientific Secretary also reported on response to the actions arising from the seventh and sixth meetings of the Commission. A report on the topic was distributed to the members in advance of the meeting. The Commission is satisfied that all actions listed in Annex II of the report of the seventh meeting have now been nearly completed. The publication of the revised INES Manual is expected in the next few weeks.

6. Activities of the Committees on Safety Standards

The Chairmen of the Committees (Messrs. Govaerts, Mason, Metcalf and Young) were present for the discussion of this Agenda item.

6.1 Nuclear Safety Standards Committee

Mr. Hughes presented an overview of NUSSC activities including the review of standards and DPPs at the tenth meeting of NUSSC (final review of nine safety guides and the review of one DPPs). The concerns of NUSSC regarding the development of a single safety fundamentals were also reported. These concerns are reflected in the decision made on the Safety Fundamentals (see Item 4 above).

6.2 Radiation Safety Standards Committee

Mr. Bilbao presented an overview of RASSC activities including the status of 14 safety standards currently under review and informed the Commission on the following topics:

- plans for the development of a new guide on "radiological criteria for the acceptance of commodities containing long lived radionuclides"
- issues arising from the application of the Basic Safety Standards (BSS), with a view to amendment or revision, if necessary; and
- WHO guidelines for stable iodine prophylaxis following nuclear accidents.

The Commission took note of the General Conference resolution on commodities (Item 3.3) and the plan for development of a safety guide on the topic. It was generally agreed that there is a need for guidance on the topic, the formal decision on the scope and content of the safety guide will be made after the review of the DPP. It was pointed out that the term "long lived radionuclides" used in the title of the proposed guide needs careful consideration in order to avoid future misinterpretation.

There was a general agreement that a cautious approach should be adopted to the consideration of any revision of the BSS until there is clarification of the new ICRP recommendations. In this connection, it was pointed out that both the BSS and the safety fundamentals for radiation protection and control of radiation sources are co-sponsored by several international organizations (FAO, ILO, OECD/NEA, PAHO and WHO). In order to be able to preserve the co-sponsorship and to provide for the shared ownership of the revised Standards by all organizations involved there should be a formal process by which full participation of the international organizations is guaranteed. This may include the involvement of the Joint Secretariat in the review process. The Secretariat was requested to prepare a proposal regarding the procedures to be followed, for consideration by RASSC and the Commission in 2001 [Annex II, 8.2].

The Commission was also informed of the status of and recommendation by RASSC for the preparation of a statement jointly with WHO, clarifying the existing international guidance on iodine prophylaxis.

6.3 Waste Safety Standards Committee

Mr. Delattre presented an overview of WASSC activities including the results of the review of a number of safety standards at the last WASSC meeting. The second joint RASSC/WASSC meeting is planned for April 2001; issues identified for the discussion include emergency preparedness and response, national infrastructure for radiation safety, cleanup of contaminated areas, removal from control, quality assurance and environmental monitoring.

6.4 Transport Safety Standards Committee

Mr. Bernard-Bruls presented an overview of TRANSSC activities including a discussion of the new revision cycle for the transport regulations. Copies of the report of the fifth TRANSSC meeting were distributed during the meeting. In view of the delays encountered in the publication of the two endorsed safety guides on the topic, the Commission questioned the ability of the Secretariat to be able to cope with the two year revision cycle for the transport regulations.

7. Endorsement of Safety Standards

Eight safety guides 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 Building Competence in Radiation Protection and Use of Radiation Sources (DS 73), Safety Guide

Ms. Wieland, Technical Officer for the development of the safety guide, presented the guide and its development. The guide has been reviewed by RASSC and it is co-sponsored by the International Labour Office, PAHO and WHO. A set of comments on the guide from Mr. Sukhatme were discussed. This resulted in the following change to the guide conditional on formal agreement by the International Labour Office.

Page 18, Section 3.13, 5th line; delete “may”, insert “should”

The International Labour Office should be contacted formally for agreement on this amendment, if consensus cannot be reached it is recommended to revert to the original text [Annex II, 8.3]. The commission endorsed the publication of the safety guide.

7.2 Decommissioning of Nuclear Fuel Cycle Facilities (DS 171), Safety Guide

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

7.3 Instrumentation and Control for Systems Important to Safety in Nuclear Power Plants (DS 252), Safety Guide

Mr. Pachner acting for Mr. Duong, 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.

7.4 External Person Induced Events in Relation to Nuclear Power Plants Site Evaluation (DS 258), Safety Guide

Mr. Contri, 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.

7.5 Radiation Protection in Medical Exposures (DS 22), Safety Guide

Mr. Ortiz-Lopez acting for Mr. Turai, Technical Officer for the development of the safety guide, presented the guide and its development. The guide has been reviewed by RASSC and is co-

sponsored by PAHO and WHO. The Commission endorsed the publication of the safety guide.

7.6 Safety Assessment and Verification for Nuclear Power Plants (DS 253), Safety Guide

Mr. Gasparini, 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 with the following changes:

- Page 28, Para. 4.32, delete the last three sentences, "If there are … per year."
- Page 60, Para. 4.237. 3rd line, delete "10^5", insert "10^{-5}."

7.7 Operating Organization (DS 250), Safety Guide

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.

7.8 Modification to Nuclear Power Plants (DS 251), Safety Guide

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 with the following changes:

- Page 2, end of Para. 1.7, insert "(see Ref. [2])" and change the numbering of the subsequent references.
- Page 7, Para. 3.12, 2nd line, insert, "(see paragraph 4.11)" after "safety assessment".
- Page 30, insert a new reference "Safety Series No. 50-SG-O12", as Ref.[2], and change the numbering of the subsequent references.

8. Document Preparation Profiles

8.1 Design Aspects of Radiation Protection in Nuclear Power Plants (DS 313)

Ms. Gustafsson presented the DPP for the development of a Safety Guide on this topic. The guide is a revision of an existing guide (Safety Series No. 50-SG-D9). It was pointed out that the role of the Commission is missing under Section 5 of the DPP. The DPP was approved.

8.2 Quality Management Systems in Radiation Safety for Regulatory Authority and Users (DS 113), Safety Guide

Mr. Boal presented the DPP for the development of a new Safety Guide on the topic. The Commission discussed the appropriateness of a single Standard providing guidance for both the regulatory authority and the users. It was decided that two separate Standards are to be developed, one providing guidance to the regulators and one for the users. It was pointed out that instead of reference to ISO9000, ISO2000 should be used as a reference for the development of Standards on quality assurance. The Commission will review the DPPs after appropriate changes have been introduced and approved by the Committees.

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

Safety Guide

Mr. Cruz-Suarez presented the DPP for the preparation of a new safety guide. In the light of the discussion for the previous DPP the Commission decided to reconsider the DPP together with the two DPPs on quality assurance for regulatory authority and the users (Agenda Item 8.2) when all the DPPs have been reconsidered and approved by the Committees.

9. Policy Issues

9.1 Chairman's letter to the Director General

The Chairman opened the discussion by presenting the issues raised in his letter of 13 July 2000 and the response by the Director General (letter of 5 September 2000). The response to the issues raised has been generally positive; nonetheless, the Commission requested the Chairman to raise the issue of quality assurance again with the Director General.

9.2 Fuel Cycle Facilities

Ms. Ranguelova presented the report of consultants on the development of safety guides for nuclear fuel cycle facilities and a draft DPP for the development of a safety requirements on the topic. The Commission agreed in principle with the draft DPP for the safety requirements and the plan for the development of the safety guides. NUSSC, RASSC and WASSC should be involved in the development of the Standards, with NUSSC taking the lead. The Committees should consider the expansion of the scope of the requirements to include radioisotope production facilities and consider the preparation of a new DPP for development of a safety guide on this topic. WASSC should consider whether the topic of waste treatment (including design and operational aspects) can be adequately covered in the existing draft safety guides (DS 159, DS 163 and DS 292) or there is a need for a new safety guide on the topic. The mentioned draft safety guides or the new guide on the topic should also be subject of review by NUSSC [Annex II, 8.4]. The Commission will review the DPP(s) after their approval by the Committees.

9.3 Overall Structure of Safety Standards.

The Scientific Secretary and Mr. Delattre presented the report of the Secretariat on the overall structure of the IAEA Safety Standards. The Commission requested the Secretariat to submit the report to the Committees with a request to take a holistic approach in their review. The review should cover changes to the scope of standards currently in development and suggestions on how a single standard or a group of standards should be treated in future revisions. It is hoped that the review would also result in an integrated approach to the coverage of functional areas such as quality assurance and safety assessment. The Commission also suggested that the report be a 'living document', updated every year to include the new Safety Standards with reference to the number of Standards quoted. The report to be prepared on the basis of the review by the Committees should be submitted to the Commission for review in 2001 [Annex II, 8.5].

9.4 Draft Statement by the Commission for distribution to Member States

The Members of the Commission were requested to send their comments to the Secretariat on the draft distributed in connection with this item of agenda. The Secretariat will prepare a revised draft for consideration at the next meeting [Annex II, 8.6].

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

The topics discussed under this agenda item were either raised after the distribution of the provisional agenda or during the meeting.

11.1 Second Report of WENRA

Mr. Lacoste presented a summary of the second report of the Western European Nuclear Regulators' Association (WENRA), informing the Commission of the general conclusions of WENRA on nuclear safety in candidate countries to the European Union.

11.2 Nuclear Events Web-based System

Mr. Niehaus gave a presentation on the Nuclear Events Web-based System (NEWS) developed for a faster and more flexible means of communication of information on nuclear events. Ms. Mazurkiewics-Cardenas gave a demonstration of the system.

11.3 Website for the members of WASSC and RASSC

Mr. Delattre gave a presentation of the website which provides access for the members of WASSC and RASSC to the draft Safety Standards as well as other related information. The website will be expanded to cover the related information for the other committees and the Commission.

11.4 Resources and Priorities

In the light of the Statement by the Secretariat regarding the lack of funding for the development of Standards for fuel cycle facilities in 2002, the question of resources and setting of priority within the programme of the Department of Nuclear Safety was raised. The Secretariat is requested to provide information on the Programme of the Department and how priorities are set within the Safety Programme at the next meeting of the Commission [Annex II, 8.7].

11.5 Delays and Responsibility

In view of the delays encountered in the development and publication of Safety Standards, the Commission requested the Secretariat to provide information on responsibilities and the internal process for development of Safety Standards [Annex II, 8.8].

11.6 Chairman's meeting with the Director General

The Chairman informed the Commission that he will be meeting with the Director General after the closure of the Commission's meeting. The Commission agreed on the topics to be raised by the Chairman including:

- proposed changes to the Russian Federation regulatory system;
- waste classification;
- GC resolution on clearance or free release issue with respect to commodities;
- development of quality assurance standards within IAEA;
- relationship between the Commission and INSAG.

12. Dates and Agenda for the next meeting

There was a request to change the date of the ninth meeting of the Commission. However, because of conflict with other activities it was decided, after the meeting, to stay with the original date of 28-30 May 2001. The meetings of the Commission will start in the afternoon of Monday (Monday morning being reserved for meetings of Chairmen). The schedule of the meetings of the Commission and the Committees for 2001 is as follows:

Commission:	28-30 May	26-28 November;
NUSSC	9-11 April	22-24 October;
RASSC	2-6 April	23-26 October;
TRANSSC	5-9 February;	
WASSC	2-6 April	15-19 October.

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

- DS 43, Preparedness and Response for Nuclear and Radiological Emergencies (Safety Requirements);
- 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

AGENDA

Eighth Meeting of the
COMMISSION ON SAFETY STANDARDS
27 - 29 November 2000
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 Seventh Meeting
   L.G. Williams

3. Recent Activities in the Department of Nuclear Safety

   3.1 Overview of the Activities; *(Z. Domaratzki, DDG-NS)*
   3.2 Regulatory Independence; *(A. Carnino, DIR-NSNI)*
   3.3 General Conference Resolutions; *(A.J. 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 Committees
   P. Govaerts, Chairman/P. Hughes, Scientific Secretary - NUSSC
   6.2 Radiation Safety Standards Committees
   C. Mason, Chairman/A. Bilbao, Scientific Secretary - RASSC
   6.3 Waste Safety Standards Committees
   P. Metcalf, Chairman/D. Delattre, Scientific Secretary - WASSC
   6.4 Transport Safety Standards Committees
   C. N. Young, Chairman/X. Bernard-Bruls for R. Pope, Scientific Secretary - TRANSSC

7. Safety Guides

   7.1 Building Competence in Radiation Protection and Safe Use of Radiation Sources (DS 73), *P. Wieland, Technical Officer*
   7.2 Decommissioning of Nuclear Fuel Cycle Facilities (DS 171)
   D. Reisenweaver, Technical Officer
   7.3 Instrumentation and Control for Systems Important to Safety in NPPs (DS 252)
   J. Pachner for M. Duong , Technical Officer
   7.4 External Person Induced Events in Relation to NPP Site Evaluation (DS 258)
   P. Contri, Technical Officer
   7.5 Radiation Protection in Medical Exposures (DS 22)
   P. Ortiz-Lopez, Technical Officer
   7.6 Safety Assessment and Verification for Nuclear Power Plants (DS 253)
   M. Gasparini, Technical Officer
   7.7 Operating Organization (DS 250), *Vaishnys, Technical Officer*
   7.8 Modifications to Nuclear Power Plants (DS 251), *P. Vaishnys, Technical Officer*

8. Document Preparation Profiles

8.1 Design Aspects of Radiation Protection for NPPs (DS 313)
M. Gustafsson / P. Conlon, Technical Officers

8.2 Quality Management Systems in Radiation Safety for Regulatory Authority and Users, (DS 113); *T. Boal, Technical Officer*

8.3 Quality Management Systems for Technical Services in Radiation Safety (DS 314)
R. Cruz-Suarez, Technical Officer

9. Policy Issues

9.1 Chairman's letter to the Director General; *(L.G. Williams)*

9.2 Integrated Structure for Fuel Cycle Facilities; (*V. Ranguelova)*

9.3 Overall Structure of Safety Standards; *(D. Delattre / A. Karbassioun)*

9.4 Draft Statement by the Commission for distribution to Member States;
(L.G. Williams)

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

11. Any Other Business

11.1 Second report of WENRA Report (*A-C. Lacoste)*

11.2 Nuclear Event Web-based system (*R. Niehaus)*

11.3 Website for the members of NUSSC and RASSC *(D.Delattre)*

11.4 Resources and Priorities

11.5 Delays and Responsibility

11.6 Chairman's meeting with the Director General

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

ANNEX II
ACTIONS ARISING FROM THE EIGHTH MEETING OF THE COMMISSION

Actions Arising from the Eighth Meeting

8.1 A copy of a draft report on regulatory independence prepared by the Secretariat was distributed at the meeting. It was agreed that the members of the Commission would send their comments on the draft by *31 January 2001 (Ref. Item 3.2 of the Report)* **[Action: Members of the Commission]**

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].**

8.3 The International Labour Office should be contacted formally for agreement on this amendment, if consensus cannot be reached it is recommended to revert to the original text. *(Ref. Item 7.1)* **[Action: Secretariat]**

8.4 The Committees should consider the expansion of the scope of the requirements to include radioisotope production facilities and consider the preparation of a new DPP for development of a safety guide on this topic. WASSC should consider whether the topic of waste treatment (including design and operational aspects) can be adequately covered in the existing draft safety guides (DS 159, DS 163 and DS 292) or there is a need for a new safety guide on the topic. The mentioned draft safety guides or the new guide on the topic should also be subject of review by NUSSC. *(Ref. Item 9.2)* **[Action: NUSSC, RASSC, WASSC]**

8.5 The Commission requested the Secretariat to submit the report to the Committees with a request to take a holistic approach in their review. The review should cover changes to the scope of standards currently in development and suggestions on how a single standard or a group of standards should be treated in future revisions. It is hoped that the review would also result in an integrated approach to the coverage of functional areas such as quality assurance and safety assessment. The Commission also suggested that the report be a 'living document', updated every year to include the new Safety Standards with reference to the number of Standards quoted. The report to be prepared on the basis of the review by the Committees should be submitted to the Commission for review in 2001. *(Ref. Item 9.3)* **[Action: Secretariat, NUSSC, RASSC, TRANSSC, WASSC]**

8.6 The Members of the Commission were requested to send their comments to the Secretariat on the draft distributed in connection with this item of agenda. The Secretariat will prepare a revised draft for consideration at the next meeting. *(Ref. Item 9.4)* **[Action: Commission members, Secretariat]**

8.7 The Secretariat is requested to provide information on the Programme of the Department and how priorities are set within the Safety Programme at the next meeting of the Commission. *(Ref. Item 11.4)* **[Action: Secretariat]**

8.8 In view of the delays encountered in the development and publication of Safety Standards, the Commission requested the Secretariat to provide information on responsibilities and the

internal process for development of Safety Standards. *(Ref. Item 11.5)* **[Action: Secretariat]**

PARTICIPATION

The Commission

E. D'Amato*, Argentina (sent apologies - unable to attend)
A. Caubit da Silva*, Brazil
R.M. Duncan, Canada (Dr. A. Bishop*, unable to attend)
B. Xiong, China (Mr. C. Zhao*, unable to attend)
A-C. Lacoste*, France
J. Gauvain, France
R.D. Wendling, Germany (Mr. W. Renneberg*, unable to attend)
S.P. Sukhatme*, India
N. Suda*, Japan
K. Kubota, Japan
Se-Jong Kim*, Korea, Republic of
J.I. Lee, Korea, Republic of
B. Gordon, Russian Federation (Mr. Vishnevskiy*, unable to attend)
A. Martín Marquínez*, Spain
L. Santoma, Spain
L-E. Holm*, Sweden/ICRP
W. Jeschki*, Switzerland
O.M. Smyshlayaev*, Ukraine
L.G. Williams*, (Chair) United Kingdom
R.P. Pape, United Kingdom
P.W. Dickenson, United Kingdom
K. McDonald, 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
P. Metcalf, 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
F. Niehaus, Head, Safety Assessment Section
E. Mazurkiewics-Cardenas, NSNI
P. Hughes, Safety Assessment Section
A. Bilbao, Radiation Safety Section
D. Delattre, Waste Safety Section
X. Bernard-Bruls, Radiation Safety Section
P. Wieland, Nuclear Safety Co-ordination Section
D. Reisenweaver, Waste Safety Section

J. Pachner, Engineering Safety Section
P. Contri, Engineering Safety Section
P. Ortiz-Lopez, Radiation Safety Section
M. Gasparini, Engineering Safety Section
P. Vaishnys, Operational Safety Section
M. Gustafsson, Radiation Monitoring and Protection Services
T. Boal, Radiation Safety Section
R. Cruz-Suarez, Radiation Monitoring and Protection Services
V. Ranguelova Safety Assessment Section
A. Karbassioun, Scientific Secretary, Safety Co-ordination Section