16 January 2011

Commission on Safety Standards

Thirtieth Meeting

1–3 November 2011

IAEA Headquarters, Vienna

Final report of the Meeting

1. Opening Session

1.1 Opening of the Meeting

Mr Flory made some opening remarks indicating that the meeting was the last meeting of the fourth term and he then thanked the CSS members for their work. He announced that the process to renew the Commission will start soon. Mr Flory introduced Ms Dana Drabova, expected to be the Chairperson of the Commission for its next term. As such she was invited to this meeting so as to facilitate continuity in the work of the Commission. Ms Drabova ensured the Commission that, if she was finally selected as Chair, she will try to do her best to serve the Commission and be proud to be the successor of Mr Lacoste. Mr Lacoste mentioned how pleased he was to envisage Ms Drabova as his successor.

Mr Flory also considered the evolution of the Terms of Reference (TOR) and noted that we could either reflect the details of the CSS practices in revised TOR or keep the flexibility of the current Terms of Reference, which he indicated as being his preferred option.

He then summarized the Nuclear Safety Action Plan containing 12 main actions, one of these, on the review and possible revision of the relevant IAEA safety standards, concerning particularly the CSS. He also introduced G. Caruso as the leader of the Nuclear Safety Action Team with the objective of overseeing prompt implementation of the Action Plan and ensuring proper coordination among all stakeholders. Mr Flory then indicated that D. Delattre would present the draft plan for the review of the IAEA safety standards in light of the Fukushima Daiichi accident.

Mr Flory also highlighted the importance of the joint session with AdSec planned for the afternoon and indicated his high expectation from this session, particularly the objective of urgently creating a Nuclear Security Guidance Committee.

He also referred to the workshop organized recently in Washington DC on lessons learned from IRRS missions and mentioned the usefulness of the IRRS missions to promote implementation of the IAEA safety standards and to collect feedback from this application.

Mr Lacoste highlighted important items of the agenda, e.g. the discussion of the plan for the review of IAEA safety standards in light of the Fukushima Daiichi accident and the joint AdSec–CSS session, hoping that the session would endorse the recommendations of the Joint AdSec–CSS Task Force.

1.2 Introductions, Adoption of the Agenda, Adoption of the 29th CSS meeting report

Mr Lacoste, Chairman of the Commission, welcomed the participants and two new CSS members, Mr Habib from Pakistan and Mr Herttrich from Germany. The list of participants is provided in Annex I.

Mr Lacoste informed the Commission that the agenda needed to be optimized so as to put together what related to the plan for the review of the safety standards, starting with a presentation of the draft plan, continuing with other presentations for information and then going to the in depth discussion of the draft plan.

He also mentioned the constraint due to the joint AdSec–CSS session organized for the 1st November in the afternoon, starting at 14:00.

Thus, he indicated that the morning of November 1st would be dedicated to all information on the safety standards draft plan; the afternoon would then start with the joint AdSec CSS session. After that session, the meeting would continue the discussion of the draft plan.

Following a suggestion from Mr Virgilio, Mr Delattre clarified that the intent was that immediately after the discussion of the draft plan, the meeting would address the item 8.01 on national evaluation exercises in order to put together all items related to the actions following the Fukushima Daiichi accident.

Finally, Mr Delattre announced that between agenda items 2 and 3, information would be provided on the CNS extraordinary meeting in August next year, and Mr Nakamura from Japan would make a presentation on a update of the situation at the Fukushima Daiichi power station.

The approved agenda is provided in Annex II.

Mr Lacoste informed the Commission that the draft report of the 29th CSS meeting had been made available. Comments had been received from India and had been accepted by the Secretariat. The report of the 29th CSS meeting was approved with these changes and would be uploaded to the CSS website [Annex III, Action 30.1].

1.3 Administrative arrangements for the meeting, status of the main topics for the 4th CSS term, status of endorsed standards, response to actions from the 29th Meeting and update of the reference list of Safety Guides

Mr Delattre informed the Commission of administrative arrangements for the meeting. He noted that all material had been made available two months in advance of the meeting for effective review by the Commission.

Mr Delattre presented the status of the main topics for the 4th CSS term (see Annex IV).

With regard to the progress on the roadmap for the long term structure of IAEA safety standards, Mr Delattre noted that the initial objective of establishing the set of General Safety Requirements by 2013 and the Specific Safety Requirements by 2015 can be achieved.

Mr Lacoste highlighted this good progress, noting however that this may be impacted by the actions in light of the Fukushima Daiichi accident.

Mr Delattre presented the status of the endorsed safety standards. He informed the Commission that 7 safety standards had been published so far in 2011 and provided details on 10 further safety standards, endorsed by the Commission, that were being published.

Mr Delattre indicated that these standards endorsed by the Commission and being published are now available on a dedicated folder on the CSS web page.

Mr Delattre noted that the total number of standards (published standards and drafts in preparation) had stabilized at around 130 standards.

Mr Delattre informed the Commission of the status of actions arising from the 29th CSS meeting (see Annex V).

Mr Delattre also informed the Commission of updates to the reference list of Safety Guides for the long term.

The presentation of Mr Delattre is available on the CSS web site.

2.a. Information on the Ministerial Conference organized in June 2011 and on the General Conference in September 2011, including the IAEA Nuclear Safety Action Plan

Mr Caruso presented the Nuclear Safety Action Plan starting with background information on the Ministerial Conference organized in June 2011, including the three working sessions. He highlighted the main themes for strengthening nuclear safety as resulting from the Ministerial Conference, namely the IAEA safety standards, the safety of NPPs, the peer review mechanisms, the emergency preparedness and response framework, international cooperation and the global nuclear safety framework. The draft Nuclear Safety Action Plan was prepared following the Ministerial Conference

and after consultation of INSAG on recommendations for on future actions to be taken. He stated that the draft Nuclear Safety Action Plan was then approved by the Board of Governors and endorsed by all Member States at the IAEA General Conference in September 2011.

Mr Caruso conveyed the message from the DG that in considering the Action Plan it was important to note that:

- The responsibility for regulating safety lies with each Member State.
- The IAEA safety standards provide the basis for what constitutes a high level of safety.
- Transparency is desirable in all aspects of nuclear safety through the timely and continuous sharing and dissemination of objective information.
- Further lessons may be learned and, as appropriate, may be incorporated into the proposed actions by updating the Action Plan (for the2012 IAEA General Conference).
- The Agency's prompt and effective implementation of activities under the Action Plan will be funded through prioritization and continuing efficient use of resources from the regular budget, and through voluntary contributions of extrabudgetary resources.

Mr Caruso then summarized the twelve actions:

- Undertake assessment of the safety vulnerabilities of nuclear power plants in the light of lessons learned to date from the Fukushima Daiichi accident;
- Strengthen IAEA peer reviews in order to maximize the benefits to Member States;
- Strengthen emergency preparedness and response;
- Strengthen the effectiveness of national regulatory bodies;
- Strengthen the effectiveness of operating organizations with respect to nuclear safety;
- Review and strengthen IAEA safety standards and improve their implementation;
- Improve the effectiveness of the international legal framework;
- Facilitate the development of the infrastructure necessary for Member States embarking on a nuclear power programme;
- Strengthen and maintain capacity building;
- Ensure the ongoing protection of people and the environment against radiation risks following a nuclear emergency;
- Enhance transparency and effectiveness of communication and improve dissemination of information;
- Effectively utilize research and development.

Mr Caruso concluded his presentation by observing that the success of this Action Plan in strengthening nuclear safety is dependent on its implementation through the full cooperation and participation of Member States and will require also the involvement of many other stakeholders.

The presentation of Mr Caruso is available on the CSS web site.

Mr Lacoste stressed the importance of the principle that the prime responsibility for safety lies with the operators.

Mr Virgilio supported the view of Mr Lacoste and mentioned work being done by INPO to improve safety of NPPs. He also observed that we are just at the beginning of learning lessons and that at the time of the meeting we do not even have yet a detailed sequence of events.

Mr Virgilio and Mr Hall, in relation to the difficulties in funding the implementation of the Action Plan, suggested prioritization of the Secretariat's work.

Mr Flory clarified that the fact that the regular budget for the next biennium had been approved before the accident resulted in difficulties in funding the implementation of the Action Plan only within the regular budget. He informed of pledges from some Members States already received.

Mr Yoshimura informed the Commission on activities the NEA is carrying out in light of the Fukushima accident and requested clarification with regard to research activities. Mr Caruso clarified that although the IAEA is doing some kind of research activities, it is not a research organization. The intention is to establish relations with the organizations involved in research activities to discuss the best way of establishing jointly a research programme and to disseminate the results.

Mr Gromov requested clarification on the assessment of the safety vulnerabilities of nuclear power plants in the light of lessons learned to date from the accident. Mr Caruso indicated that the IAEA is developing a methodology for the performance of safety assessment and a peer review mechanism.

Mr Gurguí Ferrer mentioned the need to avoid several peer reviews on the same subject.

Mr Bezzubtsev requested clarification on the scope for the methodology for safety assessment and in particular as to whether this would be restricted to NPPs or this would also relate to other installations. Mr Caruso clarified that as a first step, this is focused on NPPs.

Mr Phillips informed the Commission on initiatives taken in South Africa.

Mr González informed the Commission on ICRP activities and mentioned that the Action Plan would certainly benefit from these activities. He also mentioned the responsibilities of the designers in addition to those of the operators and responsibility beyond those under control by the operator such as the reliability of the external power supply and the effectiveness of the emergency response.

Mr Flory highlighted other stakeholders involved in the Action Plan and mentioned plans to strengthen relationship with WANO. He also mentioned that, while WNA is observer in all Safety Standards Committees, this is not the case of WANO. Therefore the intent is also to involve WANO in the Committees.

Mr Lacoste concluded that it will take a long time to learn lessons from the accident and the landscape of stakeholder involved is complex. Therefore the Action Plan is a way to create a framework in that complexity.

2.b. Information on the 2nd CNS Extraordinary meeting

Mr Svab provided information on the Extraordinary Meeting of the Contracting Parties (CPs) to the Convention on Nuclear Safety in August 2012, whose aim is to enhance safety through reviewing and sharing lessons learned and actions taken by CPs in response to the Fukushima Accident, and to review the effectiveness and, if necessary, the continued suitability of the provisions of the CNS. Mr Svab distributed material on the structure of the Extraordinary Meeting established by the General Committee and the Guidance for the preparation of National Reports. The Extraordinary Meeting will be organized to perform topical review instead of review by country groups. He listed the six topics selected for review:

1. External Events
2. Design Issues
3. Severe Accident Management and Recovery (on-site)
4. National Organizations (Regulator, TSO, Operator, Government)
5. Emergency Preparedness & Response and Post-accident Management (off-site)
6. International Cooperation

Mr Svab then presented the main milestones for the preparation of the meeting:

Activity	Date
Distribute the proposed timetable to the General Committee	1 September 2011
General Committee Side Meeting	20 September 2011
Distribute the timetable and guidance documents to all Contracting Parties	31 October 2011
Due date for submitting proposals on CNS effectiveness	13 April 2012
Due date for submitting National Reports	13 May 2012
Due date for the Secretariat to circulate proposals on CNS effectiveness	27 May 2012
Due date for submitting Coordinators' Reports	4 July 2012
Meeting of the Officers	17-18 July 2012
Meeting of the Officers	26 August 2012
Extraordinary Meeting	27-31 August 2012
6th Review Meeting Organizational Meeting	31 August 2012

The presentation of Mr Svab is available on the CSS web site.

In response to a question from Mr Bezzubtsev on when the proposal from Russian Federation would be discussed, Mr Svab clarified that all proposals for enhancing the effectiveness of the CNS will be discussed during the plenary sessions.

Mr Yoshimura indicated the wish of the NEA to attend as an observer the review meeting and Mr Svab invited NEA to send a written request to that end.

Other questions from CSS participants related to clarification on the detailed organization of the meeting and on possible optimization of the organization of the topical review. Mr Laaksonen for example suggested exchanging the order of topics so as to review the topic number 4 before the topic number 6.

Mr González insisted on the need to focus the discussion on specific issues highlighted by the Fukushima Daiichi accident.

2.c. Information on the update of the situation at the Fukushima Daiichi Nuclear Power Station

Mr Nakamura presented an update of the situation at the Fukushima Daiichi accident. He presented the current efforts to settle the accident, the status of the response to people affected by the accident, the efforts to address the lessons learned so far and the schedule of future activities.

With regard to lessons learned, Mr Nakamura summarized the 28 lessons described in the reports of the Government of Japan and particularly NSC and NISA's activities.

The presentation of Mr Nakamura is available on the CSS web site.

Mr Nakamura then replied to several questions for clarifications asked by CSS participants,

particularly on radiation protection criteria, on the management of large amount of various types of waste resulting from remediation activities, on the scope and reference to be used for the comprehensive safety assessment to be carried out by nuclear facilities in Japan, on the plan to make available the detailed sequence of events and on the revision of the regulatory requirements for the site and design evaluation.

3 Draft Plan for the review of IAEA safety standards following the recent events in Japan

3.1 Presentations and progress report on the draft plan for the review of IAEA safety standards

Mr Delattre presented the draft plan for and the progress report of the review of the IAEA safety standards, clarifying that there are actually two aspects, one being the strategy and methodology for the review and the other one being the discussion of the first results of the review to be first carried out at the Safety Standards Committees.

He detailed the prioritization approach starting with a systematic review of the safety requirements. He presented the approach based on topical issues rather than on an a priori establishment of a list of safety standards to be reviewed. This would allow a systematic gap analysis as each lessons learned or to be learned could be categorized according to specific topical areas. For each topic area it is possible to identify the relevant requirements so as to check whether the expected provisions to address the lessons learned are covered or not.

He also detailed the process and timeline for performing the review and its consideration by the Safety Standards Committees and the Commission with a view to finalizing after the March 2012 CSS meeting a first report to the Director General, to be issued by June 2012 as requested by the Director General. He insisted on the importance of benefiting from the review by the safety standards Committees to incorporate lessons learned at the national level.

Finally, with regard to the methodology, Mr Delattre presented possible options for the revision of safety standards, if so decided in March 2012, using the existing process in a more efficient manner, as required by the Nuclear Safety Action Plan.

As a second part of his presentation, Mr Delattre reported on the progress so far on the review of the topical areas, indicating that the first result of the review by the Secretariat will be submitted to the Committees soon after the CSS meeting.

The presentation of Mr Delattre is available on the CSS web site.

3.2 Japanese review of the lessons learned in connection with the IAEA safety standards

Mr Nakamura distributed a document issued in Japan which details the 28 lessons learned presented in the Governmental report and the relationship with the IAEA safety standards, as well as the identified topical areas in the draft plan prepared by the Secretariat for the review of the standards.

The document from Mr Nakamura is available on the CSS web site.

3.3 Report from the Committees Chairs on the review of the draft plan

The NUSSC Chair, F. Feron, reported on the two occasions on which NUSSC discussed the plan for the review of the standards, i.e. in July and October 2011.

He reported that NUSSC recommended not restricting the review to NPPs, while recognizing that NPP related requirements needed to be reviewed as a priority. He reported on the overall support from NUSSC on the methodology, on the need to take into account activities initiated in other organizations such as WANO or the OECD/NEA and national initiatives. He commented on the establishment of the list of 77 topics as presented in the draft plan. He also shared the view that it is most probable that there would be a need to reinforce Safety Guides and recommended initiating the review of the relevant Safety Guides. Finally he announced that NUSSC agreed to hold a meeting of a NUSSC working group in January 2012.

The presentation of Mr Feron is available on the CSS web site (as part of item 5.1).

Mr Delattre confirmed the agreement of the Secretariat on the comments from NUSSC and indicated that the draft plan would be revised to incorporate these.

The TRANSSC Chair, Mr Brach, indicated the approval by TRANSSC of the methodology presented

by the Secretariat, noting that there is no direct transport related action in the plan. He also listed a number of specific transport safety issues involved during and following a nuclear accident and issues on addressing extreme external events affecting the transport of radioactive material. He concluded that while not directly a part of the IAEA draft plan for the review of the safety standards, TRANSSC actions will be proceeding in parallel as resources and prioritization of actions allow.

The presentation of Mr Brach is available on the CSS web site.

Mr Williams, Chair of WASSC, and Mr Massera, Chair of RASSC, indicated that their respective Committees will review the draft plan at their next meeting in December 2011. Mr Williams announced that WASSC had established a working group to review the specific waste Safety Requirements and Safety Guides and noted that specific issues have already been identified such as addressing very large volumes of radioactive waste.

3.4 National and international initiatives

In order to inform the discussion on the draft plan prepared by the Secretariat, additional presentations for information were provided by UNSCEAR, ICRP, INSAG, NEA as well as by CSS representatives from Japan, USA, Argentina, Pakistan, UK, Spain and France on international, regional and national initiatives taken in light of the Fukushima Daiichi accident.

It was considered that these comprehensive presentations could not be summarized in the present report and the readers are rather invited to access the presentations uploaded on the CSS web site (in the archive files under agenda items 3.2c, 3.2d, 7.3, 8.01 and 9.2).

3.5 Discussion of the draft plan

A significant amount of time at the CSS meeting was devoted to the discussion of the draft plan with contribution from many CSS participants.

Mr Hall noted that either there are serious gaps in the safety standards, in which case there would be a need to review the process for their establishment so as to avoid such gaps in the future, or the result of the review would lead to strengthening a few Safety Requirements, in which case this might result in disturbing the current balance. Mr Delattre replied that, according to the preliminary results of the review, no serious gaps have been identified and the proposals being considered are essentially to reinforce some existing requirements without necessarily affecting the current balance.

Mr González questioned how to focus on the more urgent needs to address the most obvious lessons learned.

Mr Virgilio cautioned on the need to segregate in different Safety Guides what relates to design basis accidents and what relates to beyond design basis accidents.

Mr. Maqbul mentioned that there would be a need to reinforce the set of Safety Guides rather than to reinforce existing Safety Requirements . He quoted as an example the recent approval of the Safety Requirements on Design of NPPs. He considered that it would be beneficial for the Member States, if prescriptive guidance in relation to the lessons learned from Fukushima event may be included in a guidance level document, to effectively enhance the safety of existing NPPs especially those of Fukushima vintage.

Mr Delattre confirmed that this corresponded to the preliminary results of the first review by the Secretariat.

Mr Virgilio recommended that the draft plan be regularly updated so as to reflect future lessons learned. He also recommended embarking soon on the review of the Safety Guides and, should revision of Safety Requirements be decided on, proceeding in parallel with the revision of the corresponding Safety Guides.

Mr González mentioned discrepancies on exemption values for different situations (foodstuff, consumer products, transport, …) and recommended that these issues should be addressed in the future as part of the review/revision of the IAEA safety standards.

Mr González also recommended that while updating the draft plan, initiatives taken by international, regional and national organizations should be taken into account.

It was recommended to continuously update the draft plan and the CSS members were invited to

provide their comments to the Secretariat in order to further improve the draft plan.

Mr Lacoste also considered that there was a need for a central point for collecting, classifying and validating the information and lessons learned from the accident. Mr Flory informed the Commission on initiatives in this regard.

The Commission therefore concluded the following:

- Taking into account the importance of the Fukushima Daiichi accident, the CSS recommended the establishment, by the Agency, of a technical central point for collecting, classifying and validating the information and the lessons learned from the accident.
- The CSS welcomed with satisfaction the first draft plan for the review of the IAEA safety standards proposed by the Secretariat and the CSS members agreed to further contribute to its development. The CSS also welcomed the fact that the Secretariat had started its implementation.
- The review and revision, if necessary, of the relevant IAEA safety standards in the light of the Fukushima Daiichi accident was an ongoing process as we were just at the beginning of the collection of facts, understanding and learning. The process would start by dealing with the issues that seem to be most obvious.
- The CSS therefore noted that the proposed draft plan would be a 'living' document. It would be continuously updated to reflect future discussions at the Safety Standards Committees and CSS meetings, the result of national and regional actions following the Fukushima Daiichi accident, as well as the conclusions of the extraordinary meeting in August 2012 of the Contracting Parties to the Convention on Nuclear Safety and initiatives taken by other international organizations [Annex III, Action 30.6].
- The CSS was looking forward to its next meeting in March 2012, and to the results of the first review of the IAEA safety standards after consideration by the Safety Standards Committees in December 2011 and January 2012.

4. Joint AdSec–CSS Session

See separate joint report for the Joint AdSec–CSS Session, available on the web site under http://www-ns.iaea.org/committees/files/adsec/820/FinalReportoftheJointSession.pdf

The Joint Session unanimously endorsed the recommendations of the Joint AdSec–CSS Task Force. It was agreed that a joint letter be prepared by the Secretariat for the signature of both the Chair of the CSS and the Chair of AdSec to send the Director General the report of the Joint AdSec–CSS Task Force. It was also agreed that the letters to the DG from the CSS Chair dated 23 June 2011 and from the AdSec Chair dated 6 October would be attached to the final report of the Joint Session [Annex III, Action 30.2].

As part of the CSS discussion after the Joint AdSec–CSS session, several other actions were decided on with regard to the establishment or revision of the Terms of Reference of the respective Groups [Annex III, Actions 30.3 to 30.5].

5. Presentations and Discussion of Reports of Safety Standards Committees

Note: For the discussion of the draft plan for the review of the IAEA safety standards, see item 3.3

5.1 Nuclear Safety Standards Committee (NUSSC) – two meetings

F. Feron, NUSSC Chair, summarized the discussion at the meetings of NUSSC held in July and October 2011. In addition to the review of draft safety standards and DPPs (DS397, DS426, DS429, DS433, DS437, DS439, DS441, DS446, DPP DS453, DPP DS456, DPP DS457), the status reports on the development of safety standards (DS367, DS440, DS430, DS431, DS433, DS456) were presented. He summarized discussions at NUSSC on the pilot project for a new feedback, review and revision mechanism for the IAEA Safety Standards, on the result of the Technical Meeting on Safety Goals and on the presentation on Continuity Planning and Nuclear Safety.

The presentation of Mr Feron is available on the CSS web site.

5.2 Radiation Safety Standards Committee (RASSC)

G. Massera, RASSC Chair, reported on the review by RASSC at its meeting in June 2011 of several draft safety standards and DPPs (DS437, DPP DS453, DPP DS454, DPP DS455, DPP DS456, DPP DS457).

In particular, he informed the Commission on a topical discussion held at RASSC on issues related to the regulatory control of consumer products with a recommendation to the Secretariat to prepare a DPP for a new Safety Guide. RASSC also held jointly with WASSC a topical discussion on NORM related issues with detailed discussion on the draft Safety Guide DS421 on Protection of the Public against Exposure to Natural Sources of Radiation including NORM Residues from Industrial Processes. On the joint topical discussion with RASSC on NORM related issues he reported on the recommendation to separate the draft DS421 into two Safety Guides:

- one for public exposure due to radon, thoron and gamma radiation from natural radionuclides in building materials, excluding management of NORM residues, but including exposure from the presence of residues in the environment accessible to the public (RASSC lead); and
- one part on management of NORM residues from mining and processing of ores, including U/Th ores, to be added to revision of WS-G-1.2 (WASSC lead) to address the protection of workers, the public and the environment against radioactive waste arising from mining and processing of ores. Tentative working title “Management of NORM residues from Mining and Processing of Ores” (DS459).

The presentation of Mr Massera is available on the CSS web site.

5.3 Waste Safety Standards Committee (WASSC)

Mr G. Williams, WASSC Chair, reported on the discussion at WASSC on identification of important issues to be addressed during the new three year term, particularly:

- lessons learned in light of the Fukushima Daiichi accident and review of safety standards to discover any gaps or areas needing to be strengthened;
- the importance of the use of IAEA safety standards in Member States;
- the front-end of the nuclear fuel cycle is uranium mining, whose regulation is very different in relation to other NORM industries —. It is needed to update international guidance and to consider whether tailings are regarded as waste or as residues;
- the need for harmonization between safety and security;
- building confidence in the safety case for WM facilities, through the early and on-going stakeholder involvement throughout the process for the development of the safety case .

He reported on the review by WASSC or jointly with RASSC, of draft safety standards and DPPs (DS433, DS437, DS446, DPP DS453, DPP DS454, DPP DS455, DPP DS456, DPP DS457).

He also reported on the topical discussion held jointly with RASSC on NORM related issues (see above 5.2). In this regard, WASSC also concluded that there was no need for a Specific Safety Guide on the decommissioning of facilities involving NORM as this could be addressed with revision of other Safety Guides (WS-G-1.2 in particular, and in case needed,WS-G-5.2).

He then reported on a number of technical discussions held at WASSC as well as on comprehensive presentations made by WASSC members on the feedback from the application of waste safety standards.

The presentation of Mr Williams is available on the CSS web site.

5.4 Transport Safety Standards Committee (TRANSSC) — two meetings

Mr. E.W. Brach, TRANSSC Chair, reported on the result of the meetings held in June and October 2011.

He reported on the review by TRANSSC of draft safety standards and DPPs (DS437 and DS451 in particular).

He mentioned the organization of a specific induction/training session for new TRANSSC members, the establishment of a three year plan for the new TRANSSC term, including its prioritization, and the consideration of the CSS comment (action 29.7) on the use of "special arrangements".

He then presented the detailed production schedule for the revision of TS-R-1 and TS-G-1.1 with a view to synchronizing their publication.

The presentation of Mr Brach is available on the CSS web site.

5.5 Meetings of the Chairs

D. Delattre indicated that the meeting of the Chairs of the Safety Standards Committees on 31 October 2011 discussed the coordination of the review by the Committees of the draft plan, the recommendations of the Joint AdSec–CSS Task Force and particularly the role of the Committees Chairs in the interface group, review of the Nuclear Energy Objectives draft document on Nuclear Fuel Cycle Objectives and status of other NE documents being prepared, and the feedback from cosponsors on the cosponsorship mechanisms. The meeting of the CSS Chair with the Chairs of the Safety Standards Committees on 1 November, before the start of the CSS meeting, discussed the review by the Committees and by the CSS of the draft plan for the review of IAEA safety standards and the Joint AdSec–CSS task force recommendations, in particular the role of the four Chairs in the proposed Interface Group in early review of proposed/draft Nuclear Safety and Security documents.

6. Approval of draft publications and DPPs

6.1 Draft Safety Requirements on Regulations for the Safe Transport of Radioactive Material, 20XX Edition (DS437)

The presentation distributed during the meeting by Mr Zhao is available on the CSS web site.

Comments by Ukraine were resolved to the satisfaction of the Ukrainian representative.

Mr González mentioned the need to address the issue related to different exemption criteria for different purposes.

Mr Brach confirmed approval by RASSC of the final draft.

The Commission endorsed the proposed draft Safety Requirement for publication following approval by BOG.

6.2 Draft Safety Guide on Safety Case and Safety Assessment for Predisposal Management of Radioactive Waste (DS284)

The presentation distributed during the meeting by Ms Kinker is available on the CSS web site.

Mr Nakamura confirmed acceptance of the proposed resolution of comments from Japan.

Mr Williams confirmed approval by WASSC of the final draft.

The Commission endorsed the proposed draft Safety Guide for publication.

6.3 Draft Safety Guide on Safety in the Utilization and Modification of Research Reactors (DS397)

The presentation distributed during the meeting by Mr Shokr is available on the CSS web site.

Mr Gromov confirmed acceptance of the proposed resolution of comments from Ukraine.

Mr Feron confirmed approval by NUSSC of the final draft.

The Commission endorsed the proposed draft Safety Guide for publication.

6.4 Draft Safety Guide on Periodic Safety Review of Nuclear Power Plants (DS426)

The presentation distributed during the meeting by Mr Tricot is available on the CSS web site.

Mr Virgilio confirmed acceptance of the proposed resolution of comments from USA.

Late comments were provided by Ukraine. Mr Yllera considered that the issues commented by Ukraine are already reflected in the document, except for one comment on the establishment of a new safety factor, which would be too difficult to introduce at this time. Mr Gromov accepted the proposal by the Secretariat.

Mr Feron confirmed approval by NUSSC of the final draft.

The Commission endorsed the proposed draft Safety Guide for publication.

6.5 Draft DPP for a Safety Requirements on Leadership and Management for Safety, revision of GS-R-3 (DS456)

Mr Gest presented the draft DPP. He mentioned that this was one of the General Safety Requirements to be introduced in the long-term structure as agreed in the roadmap and that the intent is to finalize the draft by 2013 as initially expected. He summarized the comments made during the review of the DPP by the Committees. He presented the expected table of contents which follows the recommendation of NUSSC. Mr Gest addressed the resolution proposed to the comments made prior to the meeting by the Indian CSS member.

The presentation of Mr Gest is available on the CSS web site.

The NUSSC Chair confirmed approval by NUSSC and agreement on the changes made in order to incorporate the comments from India. NUSSC also established a specific working group to follow the development of the draft.

Mr Ashraf also confirmed agreement with the proposed resolution.

Mr González welcomed the revision of GS-R-3 and commented on the need to carefully draft the revision, particularly on issues related to involvement of stakeholders.

Mr Williams noted that the revision will address all types of facilities and activities and therefore also noted the importance of adopting a grading approach, as mentioned in the tentative table of contents.

Mr Virgilio suggested that the revision of the associated Safety Guides be initiated in parallel to the revision of the Safety Requirements.

Mr Phillips sought clarification on the proposed title on leadership and management and it was explained that this is consistent with the Principle 3 of the IAEA Safety Fundamentals SF-1.

The Commission approved the proposed DPP.

6.6 Draft DPP for a Safety Requirements on Preparedness and Response for a Nuclear or Radiological Emergency, revision of GS-R-2 (DS457)

Ms Buglova presented the draft DPP. As for the previous DPP, this was one of the last General Safety Requirements to be introduced in the long term structure as agreed in the Roadmap, and the intent was to finalize the draft by 2013 as initially expected. She mentioned feedback from MS and for the Inter-Agency Committee on Radiological and Nuclear Emergencies. She mentioned that the Safety Requirements will be developed in cooperation with co-sponsors such as FAO, ILO, OECD/NEA,

PAHO OCHA, WHO and other relevant international organizations participating in the Joint Radiation Emergency Management Plan of the International Organizations.

She then presented the tentative table of contents and the production schedule and mentioned the proposed resolution to the comments provided by India in advance of the meeting.

The presentation of Ms Buglova is available on the CSS web site.

Mr Ashraf confirmed acceptance of the proposed comments resolution.

Mr Massera confirmed approval by RASSC of the proposed DPP.

Mr González mentioned the need to address the issue of transition from an emergency situation to an existing situation and the issue on consumer products and commodities.

The commission approved the proposed DPP.

6.7 Draft DPP for a Safety Guide on Occupational Radiation Protection, revision and combination of RS-G-1.1, RS-G-1.2, RS-G-1.3, RS-G-1.6 and GS-G-3.2 (DS453)

The presentation distributed during the meeting by Mr Pappinisseri Puthanveedu Haridasan is available on the CSS web site.

Mr Ashraf confirmed acceptance of the proposed resolution of Indian comments.

Mr Massera confirmed approval by RASSC of the DPP.

Mr González welcomed the combination of the previous Safety Guides and suggested addressing the issue of the protection of rescuers.

The Commission approved the proposed DPP.

6.8 Draft DPP for a Safety Guide on Management of Waste from the Use of Radioactive Materials in Medicine, Industry, Research, Agriculture and Education, revision of WS-G-2.7 (DS454)

The presentation distributed during the meeting by Mr Moeller is available on the CSS web site.

Mr Virgilio confirmed acceptance of the proposed resolution of comments from USA.

Mr Massera confirmed approval by RASSC of the DPP.

The Commission approved the proposed DPP.

6.9 Draft DPP for a Safety Guide on Establishing a National Radiation Safety Infrastructure (together with the future management system Safety Guide, this DS455 will also supersede RS-G-1.4)

The presentation distributed during the meeting by Mr Suman is available on the CSS web site.

There were no comments from the CSS on the draft.

Mr Massera confirmed approval by RASSC of the DPP.

The Commission approved the proposed DPP.

Mr Delattre indicated that all approved drafts would be maintained available through the CSS web site until they are published [Annex III, Action 30.7].

7. Progress Reports on Safety Standards Related Activities

7.1 Information on ICRP activities, A. González

See item 3.4

7.2 Information on AdSec activities, R. Adnan

See item 4

7.3 Information on INSAG activities, J. Laaksonen

See item 3.4

7.4 Other information on recent activities from the Secretariat

7.4a Mr Lipar summarized activities of the Division of Nuclear Installation Safety on safety standards development, safety review missions, knowledge sharing and training, support to countries embarking on nuclear power and cooperation with the European Commission. In particular he mentioned the approval by the Board of Governors of the Safety Requirements on the Design of Nuclear Power Plants. He also provided in detail the list of recent meetings and of IRRS, OSART, SALTO and SSRM review missions organized by the Division. Finally, he informed the Commission that the contract for cooperation with the EC on IRRS in connection with the European Nuclear Safety Directive is progressing well.

Mr Delattre mentioned that for the next CSS term, it would be useful to have presentations at the CSS on highlights from safety review missions in order to further inform the CSS on the experience feedback from these missions on the IAEA safety standards.

The presentation of Mr Lipar is available on the CSS web site.

7.4b Mr Pil-Soo Hahn presented an update of the work of the Division of Radiation, Transport and Waste Safety. He informed the Commission on the status of the Radiation Safety Infrastructure in Member States (RASIMS) indicating that data for over 100 Member States were collected. He then summarized the finding of the International Conference on the Safe and Secure Transport of Radioactive Materials organized two week before the CSS meeting. He informed the meeting on the plan for, and current status of the revision of Safety Guides following the approval of the GSR Part 3 (revised International BSS).

Mr Hahn also presented information on recent meetings and activities on radiation protection of patients, and the management of radioactive waste, and mentioned the International Mission on Remediation of Large Contaminated Areas Off-site the Fukushima Daiichi NPP.

The presentation of Mr Hahn is available on the CSS web site.

Mr González highlighted the importance of the International Conference to be held in Bonn, Germany from 3 to 7 December 2011 on Radiation Protection in Medicine and encouraged the participation of regulatory bodies at the conference.

7.4c Ms Buglova updated the Commission on activities of the Incident and Emergency Centre (IEC). She listed documents recently published and other documents in preparation. She detailed the status of the Incident and Emergency Communications Manual (IEComm). She then mentioned IEC activities for training, assistance missions and review missions (EPREV) organized during the last 6 months. In particular, she mentioned the development of a specific module for the EPREV missions focusing on GS-R-2 requirements, highlighting lessons identified in the response to the Fukushima Daiichi accident. She announced a meeting in December 2011 to discuss the Joint Radiation Emergency Management Plan. On the Response and Assistance Network (RANET) she presented the current status and encouraged more Member States to register for RANET. She informed the Commission that following the establishment of the Unified System for Information Exchange (USIE), in operation since June 2011, 97% of Member States with NPPs have already registered, but only 36 % of Member States without NPPs. Finally she presented initiatives related to the International Nuclear Event Scale

(INES) and particularly the recommendation from the INES Advisory Committee to develop additional guidance on the application of INES as a communication tool.

The presentation of Ms Buglova is available on the CSS web site.

Mr Lacoste requested clarification on current ideas on the revision of the INES scale. Ms Buglova referred to the meeting of the Advisory Committee held in October and clarified that the main recommendation is to provide more guidance for the application of the current scale. Mr Flory also referred to the Nuclear Safety Action Plan which also addresses communication issues.

Mr González observed that INES a only a communication tool and noted the need for a meeting of the Parties to the Conventions on Assistance and Early Notification.

Mr Samain mentioned the challenge of providing public information quickly while not having detailed information.

7.4d Mr Mrabit presented recent activities of the Office of Nuclear Security as well as future goals and priorities. He listed recent meetings as well as outreach, coordination and cooperation initiatives and informed the meeting on the status of the Nuclear Security Framework. He indicated that six advisory missions (IPPAS) had taken place in 2011 and that two more missions are planned by the end of the year.

Mr Mrabit then presented future goals and priorities on the Nuclear Security Series — highlighting the establishment of the Nuclear Security Guidance Committee — on international legal instruments, on education, training and human resource development, on coordination with other nuclear security related initiatives, on networking development and on information management. He then provided the current status of the Integrated Nuclear Security Support Plans that govern cooperation between the Office of Nuclear Security and the participating countries.

The presentation of Mr Mrabit is available on the CSS web site.

Mr Maqbul requested clarification on the process for the review and approval of draft Nuclear Security Series publications. Mr Mrabit clarified that the processes will be very similar to the one for safety standards when the new Nuclear Security Guidance Committee will be established.

Mr González mentioned the series of International Conferences on the Safety of Radiation Sources and the need for an international undertaking on the safety and security of radiation sources.

With regard to the establishment of a Radioactive Sources Working Group, which will seek to coordinate assistance provided under bilateral and multilateral programmes and other initiatives with IAEA's activities under the Nuclear Security Plan, Mr Virgilio acknowledged the work already being carried out under the Code of Conduct for the Safety and Security of Radiation Sources. Mr Virgilio also announced that one agenda item for the next RIC meeting in March 2012 would be dedicated to the safety and security interface.

7.4e Mr Woodhouse informed the Commission on activities of the Safety and Security Coordination Section. He summarized activities in the areas of coordination of the preparation, review and approval of IAEA safety standards, support for the establishment and implementation of the Nuclear Safety Action Plan, support and coordination of capacity building related activities, nuclear safety knowledge networks and fora, establishment of the Departmental Programme and Policy, coordination of communication activities, coordination for the development and maintenance of information systems and IT infrastructure. In particular for the standards he mentioned the coordination within the Department to ensure that the Agency's safety standards and nuclear security guidance constitute a comprehensive, up to date, coherent and authoritative suite of internationally agreed and accepted references.

The presentation of Mr Woodhouse is available on the CSS web site.

8. Policy discussion

8.1 CSS members' presentations on national evaluations after the Fukushima Daiichi accident

See item 3.4

8.2 Topical discussion on future areas of work (follow-up to the agenda item 6.1 of the 27th CSS meeting)

Mr Delattre reminded the Commission that this discussion was initiated in March 2010. He informed that input from the CSS members was received in 2010 for which the Secretariat developed proposals which were then discussed with the Safety Standards Committees. He noted that this happened before the Fukushima Daiichi accident which then had a significant impact on the future areas of work, particularly the review of the IAEA safety standards.

Nevertheless he considered that, in addition to the review of the IAEA safety standards in light of the Fukushima accident, the topics which were considered as priorities for the fourth CSS term and which were not yet finalized should remain as priorities for the next term. Moreover, the table of proposals to address new CSS input would also serve as a basis for the next Commission to determine its priorities for the fifth term.

Mr Hall summarized the UK's contribution on the optimization of the safety standards and on the use of the fourth tier of documents and Mr Delattre confirmed that the approach described in the UK input was adopted to prepare the Secretariat's proposal. However he indicated that the Secretariat was not in favor of involving Safety Standards Committees members in the drafting of safety standards with a view to maintaining an appropriate independence between the drafting and the review processes.

Mr Lacoste indicated the need to keep in mind the idea of providing guidance on safety and security interfaces where appropriate.

With a view to preparing the discussion at the first meeting of the fifth CSS term, the Secretariat was requested to prepare a synthesis of the future areas of work, on the basis of the draft plan for the review of IAEA safety standards, the current status of progress for the topics identified as priorities for the fourth term and on the other future areas of work discussed at the 27th to 30th CSS meetings [Annex III, Action 30.8].

8.03 Preparation of the CSS four year report

Mr Delattre presented the draft CSS four year report. He mentioned that this first draft was prepared by the Secretariat based on the last seven meeting reports and incorporated an anticipation of the possible outcomes of this 30th meeting. It was complemented by the CSS Chair in September 2011 and editorial comments submitted by the TRANSSC Chair were incorporated. Mr Delattre then described the structure of the draft report and presented the steps proposed for its finalization as follows:

- Revision to incorporate the achievements at this 30th CSS meeting.
- Consultation in November 2011 of the current CSS members.
- Finalization with the CSS Chair in December 2011.
- Submission to the DG at the end of December 2011.
- Presentation by the current CSS Chair at the first meeting of the next term in March 2012.

The presentation of Mr Delattre is available on the CSS web site.

Mr Lacoste considered that the structure and content of the draft report reflected well the main achievements during the fourth CSS term.

Mr Virgilio commented on the list of standards mentioned in the section 7 of the draft report and Mr Delattre clarified that the draft was prepared before the preparation of the draft plan for the review of the IAEA safety standards and that this part will be updated so as to reflect the current draft plan.

[Annex III, Action 30.9]

8.4 Revision of the Terms of Reference of the Commission on Safety Standards

Mr Delattre indicated that through the discussion within the Secretariat, it was considered better to keep the current Terms of Reference so as to keep the flexibility. He noted that the flexibility on CSS activities is addressed through the discussion of the tentative agenda of each meeting.

Mr Delattre thus proposed to use SPESS in order to reflect comments and proposals which were made on the Terms of Reference. The proposal is to revise the section 3.A of SPESS A.

For the CSS functions it is suggested to add in SPESS the following functions:

- Promotion of universal application of the IAEA safety standards.
- Review of reports from the Secretariat and the Safety Standards Committees on feedback from the application and use of IAEA safety standards.
- Review of presentations from Member States on their application or use of the IAEA safety standards as well as highlights from IAEA peer review mission reports and other relevant reports in order to provide guidance on the strategy and approach for enhancing the usefulness and effectiveness of the IAEA safety standards.
- Review of proposals for new or revised safety standards to be developed and approval of the corresponding document preparation profiles (DPPs).
- Review at the request by the Secretariat of draft publications in the Nuclear Security Series, the Nuclear Energy Series and other IAEA series for which there is an interface with safety.

For the working method, it is proposed to specify that:

- The Chairpersons of the four Safety Standards Committees and of the Nuclear Security Guidance Committee will be invited to participate fully in the CSS meetings.
- At the first meeting of each new term, the CSS will establish a tentative programme of work, indicating the main priorities for the new term.
- The Chairperson, in consultation with the Scientific Secretary, will submit (1) a report of each CSS meeting, (2) a mid-term report of the progress of the CSS on its programme of work and (3) an end of term report on its achievements over its four year term and its recommendations for the future.
- The Chairperson may select one of the CSS members to act as Chair if necessary.
- CSS members may be replaced by a successor proposed by the MS to the DG.

The presentation of Mr Delattre is available on the CSS web site.

Mr Virgilio agreed with the approach and suggested that the CSS members have an opportunity to provide within two weeks further comments on the proposed revision of SPESS [Annex III, Action 30.10].

8.5 Report on issues related to barge mounted NPPs

The item was removed from the agenda but a status report of the draft publication on Institutional and Legal aspects of transportable nuclear power plants was presented by Mr Beatty from the Nuclear Energy Department. He mentioned in particular that the draft is currently under review by the Office of Legal Affairs.

Mr Delattre clarified that the Nuclear Safety and Security Department will be involved in the final approval of the draft and that, according to the internal procedure between the two Departments, the Safety Standards Committees and the CSS may be consulted, if necessary.

8.06 Discussion on the Nuclear Energy Objectives draft publications on Nuclear Fuel Cycle Objectives

Mr Delattre mentioned that, in implementing the procedure established between the Nuclear Safety and Security and the Nuclear Energy Departments, it was decided to submit the draft to the Chairs of NUSSC and WASSC as well as to the CSS. Comments were submitted by both Chairs.

Mr Vincze from the Nuclear Energy Department thanked the Commission and the NUSSC and WASSC Chairs for their comments and indicated that they will be incorporated together with comments from all NE Technical Working Group meetings before finalization of the draft.

Mr Klonk presented additional comments and it was agreed that the German representative would send the comments to Mr Delattre within a few days of the meeting.

9. Feedback from the Commission on the Use of Safety Standards and Regulatory Issues

9.1 Use of IAEA safety standards

Mr Delattre reported that contributions had been provided by Pakistan, Egypt, Russian Federation, Ukraine and Canada on the use of IAEA safety standards. The material would remain available for all members in an archive file on the web page (http://www-ns.iaea.org/committees/css/) in the folder "Presentations provided by the CSS members".

9.2 Regulatory issues in Member States

Again, contributions had been provided in advance by Israel, Germany, UK, USA, Pakistan, Russian Federation, France, Rep. of Korea (press release), Ukraine, NEA, and Canada. The material would also remain available for all members in an archive file on the web page (http://www-ns.iaea.org/committees/css/) in the folder "Presentations provided by the CSS members".

10. Miscellaneous. Report of the meeting, Four year report, Date of the next meetings

Mr Delattre indicated that a draft list of actions resulting from the 30th CSS meeting would be provided for comment to the CSS members and that the draft report of the 30th CSS meeting would be posted for comment to the CSS web site [Annex III, Action 30.11]. Mr Delattre indicated that the report needed to be approved by the members of this fourth term.

Mr Delattre informed the Commission that all presentations made at the 30th CSS meeting would be posted on the CSS web site. [Annex III, Action 30.12]

Mr Delattre also informed the Commission on the weeks proposed for holding the next meetings:

- Week from 26 to 30 March 2012.
- Week from 8 to 12 October 2012.

In concluding the meeting, Mr Lacoste mentioned that he was proud of what has been achieved during the last years and particularly:

- The issuance of the unified IAEA Safety Fundamentals.
- The long term structure of safety standards with a top-down, logical approach and the optimization of the set of Safety Guides.
- The quality of the safety standards reflecting good and best international practices.
- The SPESS system.
- The use of the IAEA safety standards in safety services, the use by WENRA and increased use by Member States.

- The success of the work on synergies between safety and security.

Mr Lacoste thanked the members of the CSS for these achievements. He also thanks the Chairs of the Safety Standards Committees during the last two terms and the Scientific Secretaries of the last two terms of the CSS.

Mr Flory closed the meeting by warmly thanking the CSS members for their work and Mr Lacoste for his efficient Chairmanship.

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ANNEX I

PARTICIPATION AT THE 30TH CSS MEETING

The Commission

A.J. González, Argentina

C.-M. Larsson, Australia (sent apologies – unable to attend)

J.-P. Samain, Belgium

L.A. Vinhas, Brazil (sent apologies – unable to attend)

R. Jammal, Canada (sent apologies – unable to attend)

Liu Hua, China

M. Barakat, Egypt

J. Laaksonen, Finland

A.-C. Lacoste, (Chairman) France

M. Herttrich, Germany

S. S. Bajaj, India (sent apologies – unable to attend)

I. Levanon, Israel

K. Nakamura, Japan

C.-H. Yun, Republic of Korea (sent apologies – unable to attend)

TBD, Lithuania

M. A. Habib, Pakistan (sent apologies – unable to attend)

V.S. Bezzubtsev, Russian Federation

G. Clapisson, South Africa (sent apologies – unable to attend)

A. Gurguí Ferrer, Spain

L. Moberg, Sweden

O. Mykolaichuk, Ukraine (sent apologies – unable to attend)

M. Weightman, United Kingdom (sent apologies – unable to attend)

M. Virgilio, United States of America

L. C. Dung, Vietnam (sent apologies – unable to attend)

Observers

A. Raja Adnan, AdSec

P. Faross, EC (sent apologies – unable to attend)

C. Cousins, ICRP (sent apologies – unable to attend)

R. Meserve, INSAG (sent apologies – unable to attend)

U. Yoshimura, OECD NEA

Chairpersons of the Safety Standards Committees

F. Feron, NUSSC

G. Massera, RASSC

E. W. Brach, TRANSSC

G. Williams, WASSC

Representatives and associated experts

Mr Solomon, Mr Newland, Mr Reiman, Ms Forest, Mr Lachaume, Mr Klonk, Mr Ashraf, Mr Markovits, Mr Koyama, Mr Matsumoto, Mr Ogiso, Mr Ha, Mr Maqbul, Ms Abalina, Ms Andreeva-Andrievskaya, Mr Konoplev, Mr Kuznetsov, Mr Phillips, Ms Collet i Campo, Mr Gromov, Mr Blundell, Mr Hall, Mr Williams, Mr Crick

Consultant for the IAEA Secretariat

D. Drabova

IAEA Staff Members

D. Flory, Deputy Director General, Department of Nuclear Safety and Security

P.-S. Hahn, Director, Division of Radiation, Transport and Waste Safety (NSRW)

K. Mrabit, Director, Office of Nuclear Security (NSNS)

P. Woodhouse, Head, Safety and Security Coordination Section (SSCS)

E. Buglova, Head, Incident and Emergency Centre (IEC)

H. Abou Yehia, A. Al Khatibeh, G. Caruso, R. Czarwinski, P. Colgan, J. Hilliard, P. Hughes, M. Lipar, A. Nicic, S. Samaddar, C. Torres-Vidal, M. Vesterlind

M. Kinker, A. Shokr, J. Yllera, Pappinisseri Puthveedu Haridasan, K. Moeller, T. Jailu, I. Shahad, H. Suman, P. Gest, C. Nogueira, P. Vincze, V. Inozemtsev, R. Beatty

Coordinators of Safety Standards Committees and of the Commission on Safety Standards

M. Svab, Regulatory Activities Section (NSNI), NUSSC

G. Siraky, Waste and Environmental Safety Section (NSRW), WASSC

J. Stewart, Regulatory Infrastructure and Transport Safety Section (NSRW), TRANSSC

T. Colgan, Radiation Safety and Monitoring Services Section (NSRW), RASSC

D. Delattre, Scientific Secretary of the CSS, Safety and Security Coordination Section

ANNEX II

AGENDA

Thirtieth Meeting of the
COMMISSION ON SAFETY STANDARDS
1 – 3 November 2011

1. Opening Session

1.1 Opening of the Meeting (10:00); *D. Flory; DDG*-NS

1.2 Introductions, Adoption of the Agenda, Adoption of the 29th CSS meeting report; *A.-C. Lacoste*

1.3 Administrative arrangements for the meeting, Status on the main topics for the 4th CSS term, Status of the endorsed Standards and Response to Actions from the 29th Meeting; *D. Delattre*

2 Information on the Ministerial Conference organized in June 2011 and on the General Conference in September 2011, including the IAEA Nuclear Safety Action Plan. Information on the 2nd CNS Extraordinary Meeting.

Presentation from Japan on the update of the situation at Fukushima Daiichi Power Station

3 Draft Plan on the review of IAEA safety standards following the recent events in Japan

3.1 Presentations and discussion on the draft plan

3.2 Progress report on the review of the IAEA safety standards

3.3 Future activities

4 Joint AdSec CSS session Tuesday 1st November afternoon

5 Presentations and Discussion of Reports of Safety Standards Committees

5.1 Nuclear Safety Standards Committee (two meetings)

F. Feron, Chairman/M. Svab, Scientific Secretary - NUSSC

5.2 Radiation Safety Standards Committee

G. Massera, Chairman/T. Colgan, Scientific Secretary - RASSC

5.3 Waste Safety Standards Committee

G. Williams, Chairman/G. Siraky, Scientific Secretary – WASSC

5.4 Transport Safety Standards Committee (two meetings)

E.W. Brach, Chairman/J. Stewart, Scientific Secretary – TRANSSC

5.5 Summary of the meeting of the Chairs held on 31st October 2011 and the meeting of the Chair of the CSS with the Chairs of the Committees held in the morning of November 1st before the CSS meeting

6. Approval of draft publications and DPPs

6.01 Draft Safety Requirements on Regulations for the Safe Transport of Radioactive Material, 20XX Edition (DS437), *J. Stewart*

6.02 Draft Safety Guide on Safety Case and Safety Assessment for Predisposal Management of Radioactive Waste (DS284), *M. Kinker*

6.03 Draft Safety Guide on Safety in the Utilization and Modification of Research Reactors (DS397), *A. Shokr*

6.04 Draft Safety Guide on Periodic Safety Review of Nuclear Power Plants (DS426), *N. Tricot*

6.05 Draft DPP for a Safety Requirements on Leadership and Management for Safety, revision

of GS-R-3 (DS456), *P. Gest*

6.06 Draft DPP for a Safety Requirements on Preparedness and Response for a Nuclear or Radiological Emergency, revision of GS-R-2 (DS457), *E. Buglova, C. Nogueira*

6.07 Draft DPP for a Safety Guide on Occupational Radiation Protection, revision and combination of RS-G-1.1, RS-G-1.2, RS-G-1.3, RS-G-1.6 and GS-G-3.2 (DS453), *Pappinisseri Puthanveedu Haridasan*

6.08 Draft DPP for a Safety Guide on Management of Waste from the Use of Radioactive Materials in Medicine, Industry, Research, Agriculture and Education, revision of WS-G-2.7 (DS454), *K. Moeller*

6.09 Draft DPP for a Safety Guide on Establishing a National Radiation Safety Infrastructure (together with the future management system safety guide, this DS455 will also supersede RS-G-1.4), *T. Hailu, I. Shadad, H. Suman*

7. Progress reports on safety standards related activities

7.1 Information on ICRP activities, *A. González*

7.2 Information on AdSec activities, *R. Adnan*

7.3 Information on INSAG activities, *J. Laaksonen*

7.4 Other information on recent activities from the Secretariat

8. Policy discussion

8.01 CSS members presentations on national evaluations after the Fukushima Daiichi accident

8.02 Topical discussion on future areas of work (follow-up to the agenda item 6.1 of the 27th CSS meeting), *CSS Members*

8.03 Preparation of the CSS four year report, *D. Delattre, CSS Members*

8.04 Revision of the Terms of Reference of the Commission on Safety Standards, *D. Delattre, CSS Members*

8.05 Report on issues related to barge mounted NPPs, *NE Department, CSS Members*

8.06 Discussion on the Nuclear Energy Objectives draft publications on Nuclear Fuel Cycle Objectives, NE Department, *CSS Members*

9. Feedback from the Commission on the use of safety standards and regulatory issues

9.1 Use of IAEA safety standards; *(CSS Members)*

9.2 Regulatory Issues in the Member States; *(CSS Members)*

10. Miscellaneous. Report of the meeting, Four year report, Date of the next meetings

Week from 26 to 30 March 2012

Week from 8-12 October 2012

ANNEX III

ACTIONS ARISING FROM THE 30th MEETING OF THE COMMISSION

30.1. The final report of the 29th CSS meeting to be posted on the safety standards web site. **[Action: Secretariat, Scientific Secretary CSS]**

30.2. A joint letter to be prepared by the Secretariat for the signature of both the Chair of the CSS and the Chair of AdSec to send to the Director General the report of the Joint AdSec CSS Task Force. **[Action: Secretariat, Scientific Secretaries AdSec and CSS – Chair CSS and Chair AdSec]**

30.3. The Secretariat to review and revise the proposed Terms of Reference of the proposed Nuclear Security Guidance Committee (NSGC) to reflect the discussion at the Chairs meeting and at the joint AdSec CSS sessions. **[Action: Secretariat, Scientific Secretary AdSec with the Scientific Secretary CSS]**

30.4. The Secretariat to prepare Terms of Reference and composition of the Interface Group for the intermediate phase recommended by the joint AdSec CSS session. **[Action: Secretariat, Scientific Secretaries AdSec and CSS]**

30.5. The Secretariat to review and revise as necessary the current Terms of Reference of the Safety Standards Committees so as to be in line with the final Terms of Reference of the NSGC. **[Action: Secretariat, Scientific Secretaries of the Committees and of the CSS and the Chairs of the Safety Standards Committees]**

30.6. The first draft of the Safety Standards plan to be updated so as to reflect first discussions at the Safety Standards Committees and the CSS. The CSS members to continue to contribute to the development of the draft plan. **[Action: Secretariat, Scientific Secretary CSS and CSS members]**

30.7 All drafts endorsed by the CSS to be uploaded on the CSS web page on the dedicated folder and kept until they are published. **[Action: Secretariat, Scientific Secretary CSS]**

30.8. The Secretariat to prepare a synthesis of the future areas of work as input for the fifth CSS term, on the basis of the draft plan for the review of IAEA safety standards, current status of progress for the topic identified as priorities for the fourth term and on the other future areas of work discussed at the 27th to 30th CSS meetings. **[Action: Secretariat, Scientific Secretary CSS]**

30.9. The draft four year report to be updated based on the results of, and the discussion at the 30th CSS meeting. **[Action: Secretariat, Scientific Secretary CSS, CSS Chair and CSS members]**

30.10. The CSS members to review the proposal for updating the section 3.A of SPESS on the functions and working methods of the CSS and the SPESS 3.A Part to be updated accordingly. **[Action: CSS members and Scientific Secretary CSS]**

30.11. A list of actions resulting from the 30th CSS meeting to be provided for comment to the CSS members and the draft report of the 30th CSS meeting to be posted for comment to the CSS web site **[Action: Secretariat, Scientific Secretary CSS and CSS members]**

30.12. All presentations made at the 30th CSS meeting to be posted on the CSS web site. **[Action: Secretariat, Scientific Secretary CSS].**

Additional note: Taking into account the importance of the Fukushima Daiichi accident, the CSS recommends the establishment, by the Agency, of a technical central point for collecting, classifying and validating the information and the lessons learned from the accident.

ANNEX IV

STATUS OF MAIN TOPICS OF THE 4TH CSS TERM

#	Main topics	Reference set of SG	Status/action
1	Guidance and assistance to countries considering the launch of a nuclear programme and in particular to provide guidance on the establishment of the necessary safety infrastructure	Item 1	DS424 endorsed by the CSS, being published (SSG-16)
2	Guidance related to a new generation of nuclear reactor designs, the manufacturing of components, the quality of construction and commissioning of new plants	Items 22, 42 and 43	DS349 published (GS-G-3.5). Construction: Revised DPP DS441 approved by the CSS. Draft approved by NUSSC for MS consultation and submitted to WASSC (Dec.2011) Commissioning: Draft DS446 for MS consultation
3	Guidance and assistance related to the new applications of radiation sources	Items 68 to 76	DS409 published (SSG-8) DS408 published (SSG-11) DS419 and 420 expected for the SSCs in 2012 before MS consultation DS434 for a safety guide on radioisotope production facilities being drafted. DPP approved by the CSS
4	Guidance on the extension of the operating lifetime of NPPs beyond their planned design life, while preserving the safety margins and the issues relating to the ageing management of structures, systems and components	Items 40 and 45	Final draft DS 426 on periodic safety reviews approved by the CSS in November 2011. It includes the LTO aspects NS-G-2-12 on ageing management recently published
5	Guidance on seismic safety that considers the potential consequences of earthquakes in new designs and ageing management of operating NPPs' structures, systems and components	Item 18 and Item 41	DS422 published (SSG-9) DS383 published (NS-G-2.13) Note additional work on other external hazards: DS417 endorsed by the CSS (in publication) DS405 endorsed by the CSS (in publication)
6	Question on how best to design and implement safety measures and security measures in an integrated manner	NA	Joint AdSec/CSS session in April 2009 and joint AdSec/CSS Task Force established in June 2009 Meetings in October 2009, March 2010, September 2010 and 24 May 2011 Final Joint AdSec CSS Session in November 2011

7	Assistance and additional safety guidance to countries dealing with expanded uranium exploration and mining	Item 83	DS 421 being drafted Consideration for re-assessing with the SSCs how to adequately cover all aspects in a few guides Revised DPP DS421 being submitted to RASSC as well as a new DPP DS459
8	Guidance on public exposures to natural sources of ionizing radiations (radon, NORM residues, aircrew…) and for the safety of uranium mining activities	Item 5	
9	Crucial need to further improve promotion of the application of the safety standards on medical applications including recommendations that will reduce the frequency of over or under exposures related to nuclear medicine, and to enhance these standards as appropriate	NA. Relates to the application of SS, in particular of item 68	DS399 being drafted
10	Improvement on the coverage of human and organizational factors in the safety guides	Item 6 and 42	DS349 published (GS-G-3.5)

ANNEX V

STATUS OF ACTIONS ARISING FROM THE 29th MEETING OF THE COMMISSION

29.1. The final report of the 28th CSS meeting to be posted on the safety standards web site. [Action: Secretariat, Scientific Secretary CSS]. **Done 30 May 2011. Agenda item 1.2.**

29.2. The Secretariat to investigate how to make available on the web site the drafts endorsed by the CSS while being published. [Action: Secretariat, Scientific Secretary CSS]. **Done 10 June 2011.**

29.3. The Secretariat to investigate how the duration of the publication process could be significantly reduced. [Action: Secretariat, Scientific Secretary CSS]. **Meeting with MTCD 30 September 2011, in progress.**

29.4. The Secretariat to prepare an action plan for the review of safety standards following the Fukushima accident that includes a first identification of those standards that might need a review in the future and describes a flexible process to incorporate gradually the feedback in the future revisions of safety standards. In the meantime, the draft standards approved for publication would also include, on a case by case basis the disclaimer discussed at the meeting. [Action: Secretariat]. **Done 23 September 2011. Agenda item 3.**

29.5. The Secretariat to revise as necessary the SPESS A document in order to incorporate lessons learned from the revision of the BSS on the involvement of co-sponsors. [Action: Secretariat (SSCs) with the Chairs of the Safety Standards Committees]. **Meeting with the SSCs Chairs 31 October 2011.**

29.6. The Secretariat to launch the 30 days consultation of Member States on a revised Schedule III of DS379 that incorporates the new dose limit for the lens of the eye, and the Chair of the CSS to endorse the final text of Schedule III after consultation of the outgoing and incoming RASSC Chairs on their assessment of the Member States comments. [Action: Secretariat, NSRW, Chairs of RASSC and CSS Chair]. **Done NV 2 June, Chairs RASSC 11 July, CSS Chair 12 July 2011.**

29.7. The Secretariat to address the issue raised by Canada on the use of the term "special arrangement" in the safety standards on transport safety. [Action: Secretariat, TRANSSC coordinator and TRANSSC]. **TRANSSC meeting June 2011.**

29.8. The result of the mapping exercise for the Nuclear Security Series to be posted on the joint AdSec-CSS Task Force web page. [Action: Secretariat, NSNS and Scientific Secretary CSS]. **Done 24 June 2011.**

29.9. The Secretariat to prepare a first list of items to be addressed in the CSS four year report and to consult the CSS members for additional suggestions. [Action: Secretariat, Scientific Secretary CSS and the Commission]. **Done 6 June 2011. Agenda item 8.03.**

29.10. The Secretariat to prepare a first list of items to be addressed in the revised Terms of Reference of the CSS for its next four year term and to consult the CSS members for additional suggestions. [Action: Secretariat, Scientific Secretary CSS and the Commission]. **Consultation 6 June 2011. Note to the CSS 4 Oct. 2011.**

29.11. The Secretariat to continue to provide progress reports on the feedback mechanism, including the perspective of the users. [Action: Secretariat, SSCS]. **Continuing process. Used for the feedback on SS from the Fukushima Daiichi accident.**

29.12. The Secretariat to submit to the Chairs of the Safety Standards Committees when available the draft Nuclear Energy Objectives document on Nuclear Fuel Cycle Objectives and the Committee Chairs comments to be provided to the CSS Chair for final review. [Action: Secretariat, Scientific Secretary CSS with the Chairs of the Safety Standards Committees and the CSS Chair]. **Done posted 05 Sep. 2011. Agenda Chairs meeting 31 Oct. 2011**

29.13 The Secretariat to include a standard agenda item in future CSS meetings on the feedback from the Fukushima accident. At the 30th meeting, this would include the first results of the 'stress tests' conducted in the EU as well as other national initiatives. [Action: Secretariat, Scientific Secretary CSS]. **Done. Agenda item 3 and 8.01.**

29.14 A list of actions resulting from the 29th CSS meeting to be provided for comment to the CSS members and the draft report of the 29th CSS meeting to be posted for comment to the CSS web site [Action: Secretariat, Scientific Secretary CSS and the Commission]. **Done.**