50th Meeting of the Commission on Safety Standards

16–18 November, IAEA Vienna

(physical meeting, with remote participation available)

Report of the Meeting

Overview of main results of the meeting

A. The following draft safety standards were endorsed:

- DS503: Safety Guide on Protection against Internal and External Hazards in the Operation of Nuclear Power Plants;
- DS515: Safety Guide on Compliance Assurance for the Safe Transport of Radioactive Material.

B. The following draft DPPs were approved:

- DPP DS530: Safety Guide on The Management System for the Safe Transport of Radioactive Material (revision of TS-G-1.4);
- DPP DS531: Safety Guide on Site Geotechnical Aspects for Design Basis of Nuclear Installations (revision of NS-G-3.6).

C. **Policy discussions:**

- The harmonization of the approach to safety and security raises the question of the nature of both the safety standards and the nuclear security series publications. The IAEA Office of Legal Affairs will be asked as to whether the existing OLA opinion papers on the nature of these publications need to be updated.
- The CSS strategic plan will be renamed as the "Working Plan for the 7th term of the CSS": this plan has been formally adopted by the CSS. Time will be specifically allocated in the agenda of the 51st meeting of the CSS for discussions on important topical policy issues and on the long term strategy for the safety standards. The need for the CSS to discuss these issues will be include in the CSS Working Plan.
- Feedback from the Covid-19 pandemic will not be retained as a standing agenda item for future meetings. Instead, such feedback will be submitted to the Secretariat using NSS-OUI, and will be considered when individual safety standards are reviewed and revised in future.

1. Opening session

1.1 Guidance on the conduct of the virtual meeting

The 50th Meeting of the Commission on Safety Standards took place as an 'in-person' meeting at IAEA Headquarters; however, due to the ongoing Covid-19 pandemic, provision was also made for remote attendance. The meeting took place over three sessions held from 16th to 18th November 2021.

Mr D. Delattre welcomed the CSS participants logging on to the virtual meeting, and explained how the meeting would be conducted on-line.

1.2 Opening of the meeting: DDG L. Evrard

Ms L. Evrard welcomed the CSS members to the meeting, noting that half were attending in person, and half by remote participation. She noted that this was the 50th CSS meeting, which demonstrated the remarkable history of the CSS over 25 years with many impressive achievements. Ms Evrard expressed her sincere appreciation to CSS members for their dedicated and diligent efforts and for the advice and guidance they had provided. She stressed that the safety standards are key publications for the Agency, but more importantly they are a cornerstone of the global nuclear safety regime.

In terms of the meeting agenda, Ms Evrard, noted the following:

- The meeting will discuss the CSS strategic plan and the medium-term plan for the development of the safety standards.
- There will be an update on small modular reactors (SMRs) and the progress made to ensure these are addressed in the safety standards.
- Two draft Safety Guides have been submitted for endorsement, as well as two draft Document Preparation Profiles.

Ms Evrard noted that the issue of publication delays had been raised at the CSS meeting in April 2021. As a result, the Secretariat had taken actions to address the existing backlog of draft publications, as well as implementing sustainable improvements to ensure a long term solution (see Agenda item 1.7). As a result:

- More resources have been made available, in particular in the Publishing Section, to proceed with the editing of draft safety standards and nuclear security guidance. Additional resources have been allocated to ensure the sustainability of the process to avoid a similar situation in future.
- Unless exceptional and unexpected circumstances occur, all safety standards endorsed by the CSS until the end of 2021 are expected to be issued by May 2022. All nuclear security guidance publications are expected to be issued at the start of 2022.

Ms Evrard stressed that the Agency is fully committed to ensure the timely and efficient publication of safety standards and nuclear security guidance, and is fully aware that these documents are essential for Member States.

Before concluding, Ms Evrard noted that the recent International Conference on A Decade of Progress After Fukushima Daiichi had included discussions on strengthening nuclear safety globally with the aim of continuously improving safety, with a focus on where future efforts are likely to be most beneficial.

Ms Evrard concluded by wishing the CSS members a very productive meeting and expressed her deep appreciation for their continued support in enhancing the safety standards.

1.3 Introductory remarks from the CSS Chair

Ms R. Velshi thanked Ms Evrard for her introductory remarks and congratulated the IAEA Department of Nuclear Safety and Security on a very successful conference on Fukushima, which had identified meaningful and measurable actions that will ensure continuous improvement in the area of nuclear safety.

Ms Velshi highlighted the significance of the 50th meeting of the CSS, noting that in total over 400 publications have been issued as part of the IAEA mandate to issue safety standards. She noted that the IAEA safety standards are adopted, or adapted into, or referenced in, national regulations by many Member States. Other Member States use the standards in developing, benchmarking or reviewing national regulations.

Ms Velshi noted that the CSS first met as the Advisory Commission on Safety Standards in March 1996. Since then, the CSS has made great strides in achieving wider interest in the use of the safety standards worldwide. Ms Velshi congratulated the IAEA for its success over the years in developing a series of high quality, internationally recognized safety requirements and recommendations that cover the entire spectrum of nuclear and radiation safety.

Ms Velshi noted that the return to a face-to-face meeting provided an opportunity to engage more deeply on each of the agenda items. However, she also noted that many CSS members were still participating remotely, and it was necessary to ensure that they were afforded the same opportunity to participate as those present.

Ms Velshi summarized the agenda for the meeting and noted that there was a lot to cover over the three sessions. Ms Velshi thanked the CSS members for their participation and looked forward to a successful meeting.

1.4. Introduction of new Committee chairpersons

Ms Velshi welcomed the two new members of the CSS, as follows:

- Mr Faizan Mansoor (from Pakistan);
- Mr Steve Vinton (from the United Kingdom).

A complete list of participants to this CSS meeting is provided in Annex I.

1.5 Adoption of the agenda

The agenda for the meeting was approved, and is reproduced in Annex II.

1.6 Confirmation of the adoption of the final report of the 49th CSS meeting

Ms Velshi asked if there were any further comments from the CSS on the report of the previous meeting.

Mr A. González stated that the CSS reports were always very well prepared. He noted specific elements mentioned in the report that required further follow-up, including: the approach to secondary cancers from adventitious radiotherapy exposures; the approach to radionuclides in consumer goods; the combination of the Safety Glossary and the Security Glossary; and the Safety Report on the implications of the 2012 UNSCEAR report.

Mr Delattre replied that the issues of secondary cancers and radionuclides in consumer goods were priorities for RASSC (this was confirmed by Ms R. Bly), and that the Safety Report on the implications of the 2012 UNSCEAR report would be discussed at this CSS meeting under Agenda item 9. Mr Delattre reported that a combined Safety and Security Glossary was being finalized, which would identify and explain the different usage of terms. The development of a joint Glossary, with the aim of harmonizing the usage of terminology in safety and security, would be the next step.

The adoption of the report of the 49th CSS meeting was confirmed.

1.7 Status of the IAEA safety standards and actions from previous meetings

Mr Delattre presented the status of the roadmap for the long term structure of the safety standards, including those recently endorsed by the CSS. He informed the Commission that three Specific Safety Guides had so far been published in 2021; however, due to the clearance of the backlog (as mentioned by Ms Evrard under Agenda item 1.2), it was hoped that a further eight publications could be issued before the end of the year. He also noted that all the other safety standards previously endorsed by the Commission were in the final stages of the publication process, with no drafts waiting for editing to commence. The total number of published safety standards was around 130, consistent with the long term structure.

Mr Delattre presented information on timescales for publication, which had improved significantly due to the measures described by Ms Evrard.

Up-to-date information on the status of all safety standards and the Nuclear Security Series (published and in draft) is available at: https://www-ns.iaea.org/committees/files/CSS/205/status.pdf.

Mr Delattre described the progress with outstanding actions from previous CSS meetings: see Annex III.

Ms N. Gulley presented more information on the measures implemented by the Secretariat to avoid delays in the publication process in future. These measures included: a significant increase in the staff resources devoted to the editing of publications; development of parallel publication streams to address different types of publication in accordance with their priority; and the use of a pre-print repository. The aim was now to assign an editor to a draft safety standard within three months of its being approved by the IAEA Publications Committee. Ms Gulley also reported that further process improvements were being considered, including to the process for the layout of publications.

The presentations are available in the CSS web page in the folder for documents provided for information: The Commission Members Area (iaea.org).

Ms Velshi enquired whether it would also be possible to set a limit for the time between approval and final publication. Ms Gulley replied that this had been avoided because it would include processes outside the control of the Publishing Section; however, it was hoped that this overall timescale would be less than 5 months.

Mr González congratulated the Secretariat on the measures taken to speed up the publication process. However, he suggested that the speed of publishing translations of the safety standards needed to be significantly improved. Ms Evrard replied that the first priority had been to ensure the timely publication of the safety standards in English; this had been a challenging task and she commended the efforts of the Publishing Section in conjunction with colleagues in NS. She stated that it would be ideal to issue all the safety standards in all the official languages; however, this requires prioritization. Ms Velshi requested that the CSS remains informed on progress on this subject.

Ms A.-C. Rigail also complimented the Secretariat on a very effective response to the concerns expressed by the CSS. This was echoed by Mr R. Jammal, who also congratulated the Secretariat and noted the importance of the safety standards in supporting the IAEA peer review missions, such as IRRS. Mr J. Dies Llovera also commended the actions taken by the Secretariat and suggested that it might be possible to ensure an even quicker publication process following the final approval of the draft safety standards. Ms N. Cromnier also congratulated the Secretariat on the measures taken, noting that this was a good example of review and improvement.

2. Reports from the Safety Standards Committees and the Nuclear Security Guidance Committee

There was a general discussion on the effectiveness of the virtual meetings of the Committees. Ms Rigail said that her colleagues had noticed higher participation but lower engagement in the virtual meetings, which could have an impact on international consensus building. Ms R. Sardella noted that although virtual or hybrid meetings allowed for wider participation, there was less time available (i.e. to make allowances for the different time zones around the world). Consideration should therefore be given to spreading the meetings over more days, to ensure that there was enough time for discussions. The Chairs of the Committees agreed that they had experienced these issues to varying extents in their meetings, as well as noting difficulties due to the lack of non-verbal feedback that normally occurs when participants are in the same room. Mr P. Webster emphasized that NUSSC was not rushing discussions despite the time restrictions. Mr P. Dicks reported that WASSC had experimented with techniques such as interactive polls to encourage greater engagement. Mr D. Pstrak said that, although timing had been an issue, participants had still engaged fully in TRANSSC.

Ms Evrard said that the IAEA Secretariat had also found that virtual meetings did not foster the same level of involvement as face-to-face meetings, which might lead to problems in the future, in particular when aiming to build consensus on technical issues. Consequently, the IAEA was hoping to hold as many meetings as feasible in person or else in a hybrid format.

2.1 Emergency Preparedness and Response Standards Committee (EPReSC)

Mr M. Grzechnik, EPReSC Chair, reported on the 12th meeting of EPReSC, at which it had approved two draft standards for submission to the CSS and one draft standard for submission to Member States for comment, and had cleared one DPP for the Nuclear Security Series. EPReSC had also agreed to upgrade the EPR Series publication on the protection strategy to a Safety Guide. In addition, a working group had been created to discuss the roadmap for the development of safety standards and other publications on EPR. Since the previous CSS meeting, EPReSC had also held joint sessions with WASSC and NSGC to discuss past joint activities and future areas of collaboration.

Mr Grzechnik's presentation is available on the CSS web site in the folder for documents provided for information: The Commission Members Area (iaea.org).

Mr González asked how EPReSC planned to work together with RASSC to provide a consistent approach on radiation protection policy. Mr Grzechnik replied that EPReSC intended to communicate extensively with both RASSC and the EPR community. He noted that while the individual committees needed to have their own clear roles and responsibilities, they should also be able to work together to come to a common understanding of the issues.

2.2 Nuclear Safety Standards Committee (NUSSC)

Mr Webster, NUSSC Chair, reported on the 51st and 52nd meetings of NUSSC. During those meetings, NUSSC had approved fourteen draft standards (of which eight were covered by DS509 and three by DS517) for submission to the CSS, three draft standards for submission to Member States for comment, and three DPPs. NUSSC had requested that the DPP for the revision of SSR-2/2 (Rev. 1) be revised to justify the proposed revisions more clearly. NUSSC had agreed on the short and medium term priorities for its ninth term.

Mr Webster's presentation is available on the CSS web site in the folder for documents provided for information: The Commission Members Area (iaea.org).

2.3 Radiation Safety Standards Committee (RASSC)

Ms R. Bly, RASSC Chair, reported on the 50th and 51st meetings of RASSC. During those meetings, RASSC had approved fourteen draft standards (of which eight were covered by DS509 and three by DS517) for submission to the CSS, three draft standards for submission to Member States for comment,

and three DPPs. It had also cleared one DPP for the Nuclear Security Series. RASSC had established its medium term work plan for its eighth term and a tentative roadmap for 2021–2023. The priorities include: overarching guidance on existing exposure situations; radiation safety of food, feed and drinking water in non-emergency situations; exemption, clearance and international trade; and the review and possible revision of safety standards that were issued before GSR Part 3, including a superseded guide on safe handling of radionuclides.

Ms Bly's presentation is available on the CSS web site in the folder for documents provided for information: The Commission Members Area (iaea.org).

Mr González emphasized the need to use the correct terms when discussing radiation safety (e.g. such as the term 'consumer goods') and to have a consistent approach with regard to levels of radionuclides in such goods, so that consumers received a clear, simple message that a product was safe. Moreover, there should be a distinction made between existing exposure situations caused by different circumstances. Ms Bly said that the proposed overarching guidance on existing exposure situations would address areas where further consistency/harmonization was necessary.

Mr M. Pinak noted that there was interest among Member States in harmonizing criteria, and that a set of Agency documents was in preparation, which should help to meet that objective, notably:

- a Safety Report on Exposure due to Radionuclides in Food Other Than During a Nuclear or Radiological Emergency,
- a TECDOC on Exposure Due to Radionuclides in Food Other Than During a Nuclear or Radiological Emergency. Part 2: Considerations in Implementing Requirement 51 of IAEA General Safety Requirements Part 3 in final preparation phase,
- the Safety Guide on Application of the Concept of Exemption at step 9,
- a separate safety report or a TECDOC on guidance related to the application of radiological criteria for international trade of non-food commodities containing radionuclides,
- the Safety Guide on Protection of Workers against Exposure due to Radon at Step 8.

Mr C.-M. Larsson said that the criteria needed to be not only harmonized, but also applied consistently across States. He further noted that the IAEA needed to stay in close contact with the ICRP.

Mr G. Nageswara Rao expressed support for communicating clearly on the issue of radionuclides in drinking water, as well as on the dose limits for occupational exposure and public exposure. Ms S. Nestoroska Madjunarova noted that careful consideration was required before applying the same values in all exposure situations, and that the principles of justification and optimization needed to be applied. It was, however, important to communicate the rationale behind any differing criteria to stakeholders.

2.4 Transport Safety Standards Committee (TRANSSC)

Mr Pstrak, TRANSSC Chair, reported on the 42nd and 43rd meetings of TRANSSC. During those meetings, TRANSSC had approved eleven draft standards (of which eight were covered by DS509) for submission to the CSS, one draft standard for submission to Member States for comment, and three DPPs. It had also cleared one DPP for the Nuclear Security Series. TRANSSC had also received updates from its technical expert groups (TTEGs) at the meetings. TRANSSC had agreed that a review process for SSR-6 (Rev. 1) should be initiated, with a particular focus on working with NUSSC on the definition of a transportable nuclear power plant (TNPP). Concerns had once again been raised that SSG-26 — which provides recommendations on meeting the requirements of SSR-6 (Rev. 1) — was yet to be published despite having been endorsed by the CSS in November 2019.

Mr Pstrak's presentation is available on the CSS web site in the folder for documents provided for information: The Commission Members Area (iaea.org).

Mr González suggested that a distinction should be made between TNPPs and other types of SMR, because of different implications on several aspects.

He also asked whether there had been any discussions on denial of shipment within TRANSSC. Mr S. Whittingham said that the Transport Facilitation Working Group had been tasked with establishing the situation regarding denials of shipment. In 2022, there would be a request to establish a formal working group tasked with establishing the fundamental reasons for denials of shipment and finding solutions. With regard to TNPPs, he noted that little consideration had so far been given to issues of public acceptance.

2.5 Waste Safety Standards Committee (WASSC)

Mr Dicks, WASSC Chair, reported on the 51st and 52nd meetings of WASSC. During those meetings, WASSC had approved twelve draft standards (of which eight were covered by DS509) for submission to the CSS, three draft standards for submission to Member States for comment, and four DPPs. It had also cleared one DPP for the Nuclear Security Series. WASSC had agreed on its priorities for its ninth term. WASSC had provided feedback on the draft medium term plan and on the applicability of the IAEA waste safety standards to novel advanced reactors. Since the previous CSS meeting, WASSC had held joint meetings with EPReSC and RASSC.

Mr Dicks' presentation is available on the CSS web site in the folder for documents provided for information: The Commission Members Area (iaea.org).

2.6 Nuclear Security Guidance Committee (NSGC)

Ms S. Case Lackner, NSGC Scientific Secretary, reported on the 19th meeting of NSGC, at which one draft Nuclear Security Series publication had been endorsed for submission to DDG-NS for approval and publication, and two DPPs had also been approved. All submitted interface documents led by the other Review Committees had been approved. NSGC had held discussions on a variety of topics, including the review of Nuclear Security Fundamentals and Recommendations; further discussions were still required in that regard. NSGC had also discussed the feedback questionnaire on the use of nuclear security guidance, the results of which would be used in the comprehensive review of the Nuclear Security Series.

Ms Case Lackner's presentation is available on the CSS web site in the folder for documents provided for information: The Commission Members Area (iaea.org).

Mr A. Cortés, NSGC Chair, drew attention to the invitation of the SSCs' Chairs to join an Extraordinary Meeting of the NSGC held in August 2021, at which NSGC discussed safety–security interfaces and a combined safety and security glossary.

2.7 Summary of the meetings of the Chairs and of the CSS Strategic Planning Working Group held on 12 October 2021 and of the Chairs' meeting held on 15 November before the CSS meeting

Mr Delattre reported that the Strategic Planning Working Group had discussed three plans. The first was the strategic plan, which covered the actions of the CSS during its seventh term. The second was the medium term plan, which considered the review of existing safety standards and the need for any additional guidance. The third was the long term plan, for the review of the whole set of safety standards. Although the long term plan had not yet been developed, the Working Group had agreed that a top-down approach needed to be taken, addressing the whole set of safety standards holistically and ensuring coordination within the Secretariat, across all the Review Committees and with other international organizations.

Mr Delattre further reported that the meeting of the Chairs of the Review Committees held earlier that week had focused on SMRs, which would be discussed in greater detail under Agenda item 8.

3. Approval of draft publications and DPPs

NOTE: The drafts submitted to the Commission at this meeting will be subsequently posted as a final edited version on the CSS web site. CSS members will be notified and given a period of two weeks to provide comments. At the end of this period, if there are no objections, the draft will be considered to be endorsed (i.e. by 'silent approval'). **[Annex IV, Action 50.01]**

3.01. Draft Safety Guide DS503 Protection against Internal and External Hazards in the Operation of Nuclear Power Plants

Mr K. Nagashima presented the background and scope of the draft Safety Guide, which was a revision of NS-G-2.1. No comments had been received from the CSS.

The presentation is available in the folder for documents provided for information: The Commission Members Area (iaea.org).

Mr Webster confirmed that NUSSC strongly supported the draft and requested that the Secretariat set a target of March 2022 for publication.

Ms K. Alm-Lytz thanked the technical officer for addressing all comments made by Finland during the preparation of the draft and remarked on the excellent quality of the draft. She also expressed her hope that it will be published soon as it will be very useful to EU Member States for the upcoming topical reviews.

Mr González enquired whether the terms 'realistic predictability' and 'warning time' are used in the draft to describe the same concept. Mr Webster noted that this will be addressed at the editing stage.

The Commission endorsed the draft for publication, subject to subsequent silent approval of the final edited version.

3.02. Draft Safety Guide DS515 Compliance Assurance for the Safe Transport of Radioactive Material

Mr E. Reber presented the background of the draft, which was a revision of TS-G-1.5, and described the steps taken for its development. No comments had been received from the CSS.

The presentation is available in the folder for documents provided for information: The Commission Members Area (iaea.org).

Mr Pstrak confirmed that TRANSSC strongly supported the publication. He stated that the Safety Guides that support SSR-6 (Rev. 1) need to be published and translated as soon as possible to facilitate implementation of the Transport Regulations by Member States. Mr González requested that the draft be prioritized in the list of publications to be translated to all UN official languages.

The Commission endorsed the draft for publication, subject to subsequent silent approval of the final edited version.

3.03. Draft DPP DS530 for a Safety Guide on The Management System for the Safe Transport of Radioactive Material (revision of TS-G-1.4)

Mr Reber introduced the draft DPP, describing the background and justification for the publication, as well as the objectives, scope and proposed structure. CSS comments had been received from France, Israel and Pakistan. All of these comments had been addressed and the DPP revised accordingly.

The presentation is available in the folder for documents provided for information: The Commission Members Area (iaea.org).

Mr Pstrak confirmed that NUSSC supported the publication.

Mr S. Alten supported the draft DPP and suggested that the appendix on the graded approach for management systems for the safe transport of radioactive material could be moved to form a section within the main text. Mr Reber replied that this can be considered during the development of the draft to ensure coverage of the topic and to decide on the best location in the draft. Mr Pstrak added that the application of the graded approach is an integral part of the Transport Regulations.

The Commission approved the DPP.

3.04. Draft DPP DS531 for a Safety Guide on Site Geotechnical Aspects for Design Basis of Nuclear Installations (revision of NS-G-3.6)

Ms N. Stoeva introduced the draft DPP, describing the background and justification for the publication, as well as the objectives and scope. CSS comments had been received from Israel and Pakistan. Although some comments had been rejected, Ms Stoeva noted that they will be given consideration during the drafting of the Safety Guide.

The presentation is available in the folder for documents provided for information: The Commission Members Area (iaea.org).

Mr Webster confirmed that NUSSC strongly supported this publication and he added that for embarking countries it is very challenging to implement all the recommendations for site evaluation. Mr Webster suggested that a handbook to address the needs of embarking countries would be useful and that NUSSC will discuss this.

The Commission approved the DPP.

4.0. DPPs and Draft Nuclear Security Series publications for information

4.01 Draft DPP for a Technical Guide NST005 on Regaining Control of Nuclear and Other Radioactive Material Out of Regulatory Control

Mr C. Massey introduced the draft DPP, describing the background and justification for the publication, as well as the objectives, scope and structure. Comments had been received from Israel and Mr Massey confirmed that during the development of the draft it will be ensured that there are no conflicts with the nuclear security recommendations and the relevant safety requirements.

The presentation is available in the folder for documents provided for information: The Commission Members Area (iaea.org).

Mr Cortés confirmed that NSGC strongly supported this publication and noted that the NSGC is participating in joint sessions and meetings with the Safety Standards Committees to ensure management of the safety–security interfaces.

Mr Alten noted that the title of Section 3 was the same as the title of the proposed publication. Mr Massey replied that section titles are expected to change during drafting.

Mr Jamal requested that the draft make appropriate references to relevant Safety Guides. Mr Massey replied that the draft will address safety–security interfaces that are vital to this publication, and the draft will include appropriate references to the most applicable Safety Guides.

Mr González commented that it is was still unclear what the role of the CSS was in receiving information on the nuclear security guidance publications and asked whether this draft should be endorsed by the CSS prior to its publication.

4.02 Draft DPP for a Technical Guide NST066 on Preparing Nuclear Security Response Plans for Other Radioactive Material in Use and Storage, and Associated Facilities

Mr O. Bukharin introduced the draft DPP, describing the background and justification for the publication, as well as the objectives, scope and structure. No comments had been received from CSS.

The presentation is available in the folder for documents provided for information: The Commission Members Area (iaea.org).

Mr Cortés confirmed that NSGC strongly supported this publication and noted that harmonization with emergency preparedness and response arrangements had been discussed in the joint session of NSGC and EPReSC. Mr Bukharin confirmed that he is cooperating with IEC colleagues.

Mr Grzechnik requested that the draft DS469 be been taken into consideration in the development of the draft, which was agreed upon.

5 Adoption of the CSS Strategic Plan

The background to the CSS strategic plan was covered under Agenda item 2.7. Mr Delattre provided more details on the structure of the plan, explaining that it translated the recommendations for the 7th terms of the CSS into specific actions that were categorised according to the functions of the CSS they supported. The draft plan had been revised since the previous CSS meeting; it had been posted on the CSS website and no comments had been received.

Ms Alm-Lytz reported that Finland had provided written comments to the Secretariat. She supported the objectives of the plan in implementing the recommendations for the CSS 7th term, but suggested that the title was confusing – in fact, this was a workplan and not a strategic plan. Ms Alm-Lytz suggested that a strategic plan would require more discussions about long term issues (including SMRs), underpinned by an environmental scanning approach. Ms Velshi responded that this was consistent with the planned content of the next CSS meeting, in which time would be devoted to discussions on developing a long term strategy for the safety standards. Mr T. Elsner supported the comments made by Ms Alm-Lytz, and appreciated the opportunity to discuss long term strategic issues at the next CSS meeting.

Ms Sardella noted that the strategic plan contained no mention of applying the same processes to the nuclear security guidance as are applied to the safety standards. Ms Evrard replied that this issue was under consideration, but there were currently no specific plans. Mr Cortés agreed, noting that the issues had been discussed at several meetings but a common position had yet to be reached. Ms E. Buglova also agreed with the comments from Ms Evrard, and suggested it might be useful if the CSS were provided with a briefing from the Secretariat in which the history and evolution of the discussions on the approach to safety and nuclear security could be described. Ms Velshi noted that the strategic plan did contain an action on the safety–security interface. Mr González noted that the harmonization of the approach to safety and nuclear security was a long-standing question, and involved considerations of both *de jure* and *de facto* legal applicability. Mr S. Mallick suggested that the IAEA Office of Legal Affairs could be asked as to whether the existing OLA opinion papers on the nature of these publications needed to be updated. **[Annex IV, Action 50.02]**

Ms Cromnier agreed with Ms Alm-Lytz that the draft strategic plan was in fact a workplan for the CSS, and supported the suggestion for a long term strategy based on environmental scanning. Mr D. Roberts supported this, and asked why only two of the four stated functions of the CSS were addressed by the list of actions. He also asked how the performance in terms of meeting the plan would be measured. Mr Delattre replied that two of the CSS functions were addressed by the normal business of the CSS and specific additional actions were not necessary to fulfil these functions. Mr Delattre agreed that it was important to measure performance and that the actions had been formulated with this in mind. Mr Alten noted that some of the deadlines stated in the draft plan had already been passed. Mr Delattre responded that in these cases, the actions had been implemented and this would be recorded once the plan was approved by the CSS.

Mr Dies Llovera suggested that the impacts of nuclear security events on nuclear installations should be considered further. Ms Velshi responded that these were the type of issues to be discussed at the next meeting.

Ms Velshi concluded the discussion by stating that the CSS strategic plan would be renamed as the "Working Plan for the 7th term of the CSS", and confirmed that time would be allocated in the agenda of the next CSS meeting for discussions on policy issues and the long term strategy for the safety standards. The need for these discussions will be added to the CSS Working Plan. **[Annex IV, Action 50.03]**.

In response to the suggestion from several CSS members for an approach based on environmental scanning, Mr Delattre will create a new folder on the CSS members' webpage in which individual proposals for this environmental scanning can be posted. All members of the CSS are encouraged to use this space to post comments and suggestions on the future issues and challenges to be considered in the long term strategy for the safety standards. **[Annex IV, Action 50.04]**.

6. Covid-19 pandemic dedicated session

Mr Delattre reported on the status of comments received from Member States since the last meeting of the CSS. He noted that each of the Review Committees had concluded that there was no urgency in revising particular safety standards, except for three drafts in which small additions had already been made. This view had been endorsed by the Meeting of the Chairs and the CSS Strategic Planning Working Group.

As a result of this broad consensus, Mr Delattre reported that feedback from the Covid-19 pandemic will not be retained as a standing agenda item for future meetings. Instead, Member States should continue to provide such feedback in relation to the need for revisions to the safety standards using NSS-OUI. He noted that the Secretariat will record in NSS-OUI the feedback that has been received up to now. The feedback collected via NSS-OUI will then be considered when individual safety standards are reviewed and revised in future. **[Annex IV, Action 50.05]**

Ms Alm-Lytz agreed that there was no urgency in revising the safety standards to take into account lessons from the Covid-19 pandemic, and highlighted the need for a holistic approach. She enquired if the technical report on lessons learned from the Covid-19 pandemic will be issued soon, as it would be useful to issue the preliminary findings and, if necessary, provide a further update after more lessons had been identified. Mr Mallick responded that the draft was in advanced state and it was hoped that it will be published soon. Mr González noted that Ibero-American region developed a joint report on lessons learned from the pandemic.

Mr Dias noted that there are also positive lessons from the response to the Covid-19 pandemic, especially in terms of the use of IT technologies in training and the development of competence. Positive lessons should also be captured using NSS-OUI.

7. Update on the draft Medium Term Plan

Mr Delattre reported that the medium term plan had been discussed by all the Review Committees, except for EPReSC, who were scheduled to review the plan at their meeting in December 2021 and the first meeting in 2022. As explained under Agenda item 6, the revision of the safety standards to incorporate lessons from the Covid-19 pandemic was no longer a priority; hence this specific workstream had been moved in the medium term plan as part of the second list on possible need for additional guidance. The updated plan had been posted on the CSS webpage and no comments had been received.

Mr González welcomed the medium term plan, noting that it contained a large programme of work. He noted, however, that the CSS needed to find time to discuss fundamental issues of policy, for example in relation to low doses and to the application of the principle of justification.

Ms Alm-Lytz also supported the plan, and agreed that the CSS needed to also consider strategic objectives. She also suggested that an overall plan for addressing SMRs within the safety standards was needed.

Mr J. Lee suggested that the list of new topics requiring guidance should include the safety classification of structures, systems and components in nuclear installations other than NPPs. Mr Webster responded that NUSSC would consider this, although he noted that it might not be possible to address this in the short term.

Ms Sardella also noted that the medium term plan was very full, and agreed that the CSS needed to engage in discussions on the long term strategy. She suggested that cyber security was an important emerging issue. Mr Delattre noted that there were several Nuclear Security Series publications (issued and in preparation) that dealt with this topic, however he agreed that this topic could be added to the medium term plan, particular with a view to considering the interfaces between safety and security.

Mr S. Vinton and Ms Cromnier asked for clarification on the approach to the prioritization of the review and revision of Safety Guides. In addition, Mr Vinton suggested that a discussion on how to fit SMRs within the current structure of the safety standards for nuclear installations would be useful. Mr Jammal agreed that prioritization of the work, including the discussions on policy, was a priority. Mr Delattre responded that the Review Committees had considered the prioritization of the review of Safety Guides, and this had been taken into account in the revised medium term plan.

With regard to the need for discussions on policy and the long term strategy, time will be allocated for this at the next CSS meeting, as agreed under Agenda item 5. Ms Velshi asked about capturing this as an action in the medium term plan. Ms Alm-Lytz suggested that the best place to capture the need for these discussions was in the CSS Working Plan. **[incorporated in Annex IV, Action 50.03].**

The dedicated CSS folder for collecting input for future planning could also be used to upload proposals on topical policy issues discussion with contribution papers from the CSS members (incorporated in **Action 50.04**).

8. Update on SMR related activities

Ms Velshi highlighted that the topic had been presented already during the Meeting of the Chairs and of the CSS Strategic Planning Working Group.

Ms P. Calle Vives presented the results of the review of the applicability of safety standards for SMRs and also larger non-water cooled reactors, as well as proposals for the future work programme. She noted that most of the challenges related to non-water-cooled reactor technologies originate from too little operating and regulatory experience. The review considered the applicability of the safety standards to advanced reactor technologies in terms of the following topics:

- Siting and external hazards, design safety, safety analysis;
- Construction and manufacturing;
- Commissioning and operation, accident management;
- Leadership and management for safety;
- Safety of nuclear fuel cycle facilities;
- Waste management and decommissioning;
- Emergency preparedness and response;
- Transport safety;
- Legal and regulatory considerations;
- Safety, security and safeguards considerations.

Ms Calle Vives reported that the proposals for the future programme of work to support the implementation of safety standards with respect to SMRs (and non-water colled reactors generally) includes the following:

- The updating of safety standards via the normal review and revision processes;

- The development of other publications on the practical application of safety requirements;
- The development of a knowledge repository providing technology specific information.

Ms Calle Vives informed the CSS that feedback from the Review Committees and the Meeting of the Chairs had already been collected. As a result, the following had been proposed:

- Revision of SSR-2/2 (Rev. 1) on commissioning and operation;
- The on-going revision of GS-G-3.1 (DS513) on leadership, management and culture for safety;
- Revision of SSG-12 on licensing process.

Ms Calle Vives also mentioned the proposed preparation of a new Safety Guide on demonstration of safety for a 'First of a kind' design, construction and manufacturing. Ms Calle Vives also informed the Commission on the upcoming international conference on topical issues, which will take place in 2022.

The presentation and further informational material is available in the folder for documents provided for information: The Commission Members Area (iaea.org).

Mr Webster added that deeper discussions on challenges related to regulating innovative designs are needed. He noted that the focus would be on developing additional publications specifically on the safety of innovative reactor designs while the safety standards would remain technology neutral. Dedicated virtual meetings with the chairs and coordinators of the Review Committees will be conducted, as already agreed upon.

Mr Pstrak highlighted that TRANSSC appreciates further discussions, especially on legal and organizational aspects of international transport of reactors.

Ms Alm-Lytz expressed her support for the technology neutral approach towards the discussion on innovative designs and fully supports the idea of condunducting dedicated meeting son the topic. She asked for some clarifications on the scope of the technology review done by the regulatory forum. Ms Calle Vives clarified the scope of the technical safety review on conceptual designs, conducted by expert teams for different designs.

Ms Sardella noted that aspects related to safety and security culture for SMRs could be considered together.

Ms Rigail expressed a concern about potentially diluting the substance of safety requirements due to ensuring they remain technology neutral. She suggested there is a need to find a balance between keeping safety standards technology neutral while ensuring that they fully address the safety of existing reactors and the specificities of novel designs.

Mr Jammal expressed a concern that in the work done to date, e.g. in the report from the regulatory forum, the role of regulatory bodies is discussed in details but too little attention is payed to the industry.

Mr González noted that political sensitivities need to be taken into account, and SMRs for energy generation need to be considered separately from SMRs used for transport. He also noted that there needs to be a clear distinction between safety requirements that are applicable to all technologies and those that refer to specific technologies. Ms Calle Vives agreed this should be considered in the long term plan for update of the safety standards.

Mr Roberts enquired about the prioritization of the further analysis based on the state of readiness to deploy new technologies. Ms Calle Vives noted that in the review undertaken, the prioritization was based on the knowledge available and that the focus is on technologies that are potentially available for near-term deployment.

9. Finalization of the Safety Report on Implications of the 2012 UNSCEAR report for the IAEA safety standards: Considerations on attribution of radiation health effects and inference of radiation risk

Ms K. Asfaw presented the background and current status of the draft Safety Report. Ms Asfaw summarized the main comments received on the draft and reported that she was in the process of addressing final comments from UNSCEAR and from the Secretariat.

Mr González noted that the CSS would like to see the final draft. He also noted the importance of ethics in radiation protection. Ms Asfaw confirmed that comments on ethics will be considered in the draft.

Ms Rigail enquired whether there was still the opportunity to provide comments on the draft. Ms Asfaw asked that comments be submitted by the end of November as the draft is close to finalization.

10. Information on the meetings with ICRP and UNSCEAR (16 and 17 June 2021) and on the IAEA–ICRP–UNSCEAR meeting (9 November 2021)

Ms Velshi reported to the CSS that bilateral arrangements between the IAEA and both ICRP and UNSCEAR are already in place. During the meetings with both organizations, it was confirmed that the existing arrangements are working very well, with active participation from all involved; consequently, there was no need to make any changes to these arrangements.

Ms Bly confirmed that strong working relationships have been developed. Mr González noted that these arrangements and the resulting cooperation ensures scientific consensus at the highest level that is also demonstrated by the cosponsorship of the IAEA safety standards.

11. Information from ICRP, UNSCEAR and OECD/NEA

Ms B. Batandjieva-Metcalf presented a summary of completed and ongoing UNSCEAR activities as part of the programme of work for 2020–24. She invited CSS members to share their experience and views that could help shape the future programme of work of UNSCEAR. She also asked the CSS to assist with the collection of data from Member States to be included in future reports.

Mr Jammal noted the importance of the interpretation of data on doses due to medical exposures. Ms Bly expressed the interest of RASSC to receive and discuss the report on medical exposure and the willingness of RASSC to cooperate with UNSCEAR on the topic of secondary cancers.

A paper on OECD/NEA activities was also provided to the CSS covering the main developments and future activities related to nuclear safety.

Both contributions from UNSCEAR and OECD/NEA are available in the CSS web page The Commission Members Area (iaea.org).

12. Any other business. Report of the meeting. Dates of the next meetings

Mr Webster requested a change in the terms of reference for the Strategic Working Group. More specifically, he requested to change 'comment' to 'approval' in the last paragraph in 'Working Methods'. CSS members agreed to the changes and Mr Delattre agreed to implement this immediately after the meeting.

Mr Delattre presented the proposed structure for the CSS mid-term report. Ms Velshi requested that a section be added in the report to reflect the discussions on SMRs.

Mr Delattre indicated that a draft list of actions resulting from the 50th CSS meeting would be provided for comment to the CSS members **[Annex IV, Action 50.06]** and that the draft report of the 50th CSS meeting as well as the draft mid-term report would be posted on the CSS web site for comment **[Annex IV, Action 50.07]**. Mr Delattre informed the Commission that all presentations made at the 50th CSS meeting would be posted on the CSS web site **[Annex IV, Action 50.08]**.

Mr Delattre informed the Commission of the following dates for the next CSS meetings:

- **CSS 51:** 19–22 April 2022
- **CSS 52:** week of 17–21 October 2022

The current intention was that these will be physical meetings, but with the option of virtual participation, depending on the global status of the Covid-19 pandemic.

Ms Velshi thanked all participants, and the meeting was adjourned.

ANNEX I

PARTICIPATION AT THE 50th CSS MEETING (in-person and remotely)

The Commission

R. Velshi (Chair of CSS)

A. J. González, Argentina

G. Hirth, Australia (sent apologies – represented by C.-M. Larsson)

O. Lugovskaya, Belarus (sent apologies – unable to attend)

R. Di Prinzio, Brazil (sent apologies – unable to attend)

R. Jammal, Canada

J. Yu, China

M. R. M. Ezz El-Din, Egypt (sent apologies – unable to attend)

K. Alm-Lytz, Finland

A.-C. Rigail, France

T. Elsner, Germany

G. Nageswara Rao, India

F. Gov, Israel

T. Yamada, Japan

J. Lee, Republic of Korea

K. Mrabit, Morocco (sent apologies – unable to attend)

F. Mansoor, Pakistan

A. Ferapontov, Russian Federation

M. Žiaková, Slovakia

O. Phillips, South Africa

J. Dies Llovera, Spain

N. Cromnier, Sweden

M. Kenzelmann, Switzerland (sent apologies – represented by H. Nilsson)

S. Alten, Turkey

S. Vinton, United Kingdom

D. Roberts, United States of America

Observers

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

M. Hübel, EC

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

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

N. Muroya, OECD-NEA (sent apologies – represented by V. Rouyer)

B. Batandjieva-Metcalf, UNSCEAR

Representatives and experts supporting CSS members and observers

M. Aparicio, M. Afshar-Tous, R. Charafoutdinov, Y.-K. Chung, C. Cole, H. Dong Woo, T. Granier, L. Medcalf, E. Micha, M. Moshövel, F. Pelayo, N. Sandberg, R. Sardella, N. Subrtova, M. Turner, L. Wiik Fuchs, S. Wittick.

Chairpersons of the Review Committees

EPReSC: M. Grzechnik

NSGC: A. Cortés

NUSSC: P. Webster

RASSC: R. Bly

TRANSSC: D. Pstrak

WASSC: P. Dicks

Coordinators of Review Committees and of the Commission on Safety Standards

S. Nestoroska Madjunarova, Incident and Emergency Centre (IEC), EPReSC

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

O. Guzmán López Ocón, Scientific Secretary, Radiation Safety and Monitoring Section (NSRW), RASSC

S. Whittingham, Regulatory Infrastructure and Transport Safety Section (NSRW), TRANSSC

N. Aghajanyan, Waste and Environmental Safety Section (NSRW), WASSC

S. Case-Lackner, Programme Development & Int Cooperation Section, NSGC

D. Delattre, Safety Standards and Security Guidance Development Section (NSOC), Scientific Secretary of the CSS

IAEA Secretariat

L. Evrard, Deputy Director General, Department of Nuclear Safety and Security

E. Buglova, Director, Division of Nuclear Security (NSNS)

S. Mallick, Director, Office of Safety and Security Coordination (NSOC)

A. Bradford, Director, Division of Nuclear Installation Safety (NSNI)

P. Contri, L. Guo, H. Mansoux, M. Pinak, D. Senior, J. Yllera Sanchez

K. Asfaw, D. Bennett, G. Bruno, P. Calle-Vives, O. Coman, P. Dieguez Porras, C. Fischer, S. Geupel, N. Gulley, T. Karseka-Yanev, V. Ljubenov, A. Meng, K. Nagashima, C. Massey, F. Naseer, M. Nikolaki, G. Petrovi, S. Poghosyan, E. Reber, P. Sales Barbosa, P. Shaw, J. Silye, N. Stoeva, J. Wheatley, R. Wright, M. Yuzawa.

ANNEX II

Agenda of the 50th Meeting of the COMMISSION ON SAFETY STANDARDS

The meeting will be held 16–18 November 2021 at the IAEA Headquarters in Vienna (Boardroom A) as a physical meeting with the option of remote participation

CSS web page: The CSS members will find on the IAEA web site a "CSS members' area" at the address https://www-ns.iaea.org/committees/css/. This includes a sub-folder named "CSS documents for comments.

Tuesday 16 November 2021, 13:00 to 16:30

1. Opening Session

1.1. For members joining the meeting via WebEx. (13:00): Guidance from the Secretariat on the conduct of the meeting

1.2. Opening of the Meeting (13:10); *L. Evrard, DDG NS*

1.3. Introductory remarks from the CSS Chair (13:20); *R. Velshi*

1.4. Introduction of new CSS members: Mr Faizan Mansoor from Pakistan and Mr Steve Vinton from UK

1.5. Adoption of the agenda (13:30); *CSS members*

1.6. Confirmation of the adoption of the final report of the 49th CSS meeting

1.7. Status of the IAEA Safety Standards and actions from previous meetings (will be posted in advanced to the meeting); *D. Delattre*

2. Reports from the Safety Standards Committees and the Nuclear Security Guidance Committee (14:00 to 16:30)

2.1. Emergency Preparedness and Response Standards Committee; *M. Grzechnik, Chairperson / S. Nestoroska Madjunarova, Scientific Secretary*

2.2. Nuclear Safety Standards Committee (2 meetings); *P. Webster, Chairperson / M. Svab, Scientific Secretary*

2.3. Radiation Safety Standards Committee (2 meetings); *R. Bly, Chairperson / O. Guzmán López-Ócon, Scientific Secretary*

2.4. Transport Safety Standards Committee (2 meetings); *D. Pstrak, Chairperson / S. Whittingham, Scientific Secretary*

2.5. Waste Safety Standards Committee (2 meetings); *P. Dicks, Chairperson / N. Aghajanyan, Scientific Secretary*

2.6. Nuclear Security Guidance Committee; *A. Cortés Carmona, Chairperson / S. Case Lackner, Scientific Secretary*

2.7. Summary of the meetings of the Chairs and of the CSS Strategic Planning Working Group held on 12 October and of the Chairs meeting held on 15 and 16 November before the CSS meeting

Wednesday 17 November 2021, 14:00 to 16:30

3. Approval of draft publications and DPPs (14:00 to 14:40)

NOTE: It is assumed, for the items 3.01 and 3.02, that the CSS will be provided with the results of the editorial review in the Publishing Section at the CSS meeting or soon after, for tacit approval through the web page.

3.01. Draft Safety Guide DS503 Protection against Internal and External Hazards in the Operation of Nuclear Power Plants; *K. Nagashima and NUSSC Chair*

3.02. Draft Safety Guide DS515 Compliance Assurance for the Safe Transport of Radioactive Material; *E. Reber and TRANSSC Chair*

3.03. Draft DPP DS530 for a Safety Guide on The Management System for the Safe Transport of Radioactive Material, revision of TS-G-1.4; *E. Reber and TRANSSC Chair*

3.04. Draft DPP DS531 for a Safety Guide on Site Geotechnical Aspects for Design Basis of Nuclear Installations, revision of NS-G-3.6; *N. Stoeva and NUSSC Chair*

4. DPPs and draft Nuclear Security Series publications for information (14:40 to 15:00)

4.01. DPP NST005 for a Technical Guide on Regaining Control of Nuclear and Other Radioactive Material Out of Regulatory Control; *C. Massey and NSGC Chair*

4.02. DPP NST066 for a Technical Guide on Preparing Nuclear Security Response Plans for Other Radioactive Material in Use and Storage, and Associated Facilities; *O. Bukharin and NSGC Chair*

5. Adoption of the CSS Strategic Plan (15:00 to 15:30)

6. Covid-19 outbreak dedicated session (15:30 to 16:30)

6.1. Progress report on the gap analysis prepared by the Secretariat on possible implications on the Safety Standards and information on concomitant work for the security guidance; *D. Delattre*

6.2. Exchange on experience from CSS members*; CSS members*

6.3. Future steps; *D. Delattre, CSS*

Thursday 18 November 2021, 14:00 to 16:30

7. Update on the draft Medium-Term Plan; *D. Delattre*

8. Update on SMR related activities; *P. Calle Vives*

9. Finalization of the Safety Report on Implications of the 2012 UNSCEAR report for the IAEA safety standards - Considerations on attribution of radiation health effects and inference of radiation risk*; K. Asfaw*

10. Information on the bilateral meetings with ICRP and UNSCEAR held respectively on 16 and 17 June and on the trilateral IAEA-ICRP-UNSCEAR meeting held on 9 November*; R. Velshi, ICRP and UNSCEAR representatives*

11. Information from ICRP, UNSCEAR and OECD/NEA (papers to be provides in advance to the meeting)

12. AoB, Report of the meeting. Preparation and adoption of the mid-term report, Date of the next meetings:

- **CSS 51:** 19-22 April 2022
- **CSS 52:** week from 17 to 21 October 2022

ANNEX III

STATUS OF OUTSTANDING ACTIONS FROM PREVIOUS MEETINGS OF THE COMMISSION ON SAFETY STANDARDS

46th MEETING

46.02 The MTCD edited versions of the draft safety guides DS469, DS494, DS496 and DS506 to be posted for silent approval procedure by the CSS **[Action: Secretariat, CSS]. Completed for DS469, DS494 and DS506. DS496 expected before the end of 2021.**

46.06 The Secretariat is still seeking additional funding for the translation of the 2018 Edition of the Safety Glossary in Arabic, Chinese and Russian. **[Action: Secretariat, CSS]. Funding secured for Chinese and Russian. No funding yet for Arabic translation.**

47th MEETING

47.04. The fully edited versions of the four endorsed draft Safety Guides — DS468, DS507, DS490 and DS498 — will be posted on the CSS webpage as soon as they are available. CSS members will be alerted by email for a two-week silent approval procedure with the objective of confirming the CSS endorsement of these drafts**. [Action: Secretariat, CSS]. DS490 has already been posted. DS498 is ready for posting. DS468 and DS507 are expected before the end of 2021.**

48th MEETING

48.04. The fully edited versions of the five endorsed draft Safety Guides — DS477, DS493, DS510A, DS510B and DS514 — will be posted on the CSS webpage as soon as they are available. CSS members will be alerted by email for a two-week silent approval procedure with the objective of confirming the CSS endorsement of these drafts. **[Action: Secretariat, CSS members]. DS514 is ready for posting. In accordance with the deadline to clear the publishing backlog, DS477, DS493, DS510A and DS510B are expected early in 2022.**

49th MEETING

49.01. The CSS supports the creation of the Strategic Planning Working Group, and considers that development of a strategic plan for the implementation of the CSS recommendations is a priority. This will be provided for discussion at the next CSS meeting, together with a revised draft of the medium term plan. **[Action: Secretariat, CSS Strategic Planning Working Group, CSS members]**. **Done: see Agenda item 5.**

49.02. The Secretariat will continue investigating ways for addressing the publishing issues and regularly informing the CSS on the evolution of the situation. **[Action: Secretariat, CSS Scientific Secretary]. Good progress made: see Agenda items 1.2 and 1.7.**

49.03. The fully edited versions of the eight endorsed draft Safety Guides — DS497A to DS497G, and DS516 — will be posted on the CSS webpage as soon as they are available. CSS members will be alerted by email for a two-week silent approval procedure with the objective of confirming the CSS endorsement of these drafts. **[Action: Secretariat, CSS members]**. **Expected early in 2022.**

49.04 In their June 2021 meetings, the Review Committees will be invited to review the preliminary gap analysis prepared by the Secretariat in response to the Covid-19 pandemic and discuss on possible ways forward. The input from the Committees will be used by the Secretariat to prepare a more holistic view, which will then be integrated with the medium term plan. The updated gap analysis and medium term plan with a holistic approach will be presented at the next CSS meeting for discussion. No new revisions to individual standards would be undertaken in response to the Covid-19 pandemic before the

medium term plan had been discussed and agreed by the CSS. **[Action: Review Committees Secretariat, CSS members]. On-going: see Agenda items 6 and 7.**

49.05. The CSS supports the activities being undertaken by the Secretariat with regard to SMRs and encourages the involvement of all the Review Committees in activities and discussions on this subject. This will include a special Meeting of the Chairs dedicated to this topic. An update on the activities undertaken will be provided at the next CSS meeting. **[Action: Review Committees Secretariat]. Discussions at the Review Committee meetings and a dedicated Meeting of the Chairs was held on 15 November: see Agenda item 8.**

49.06. A draft list of actions from the 49th CSS meeting (this list) will be provided to CSS members for comment **[Action: Secretariat, CSS Scientific Secretary]**. **Done (this list).**

49.07. The draft report of the 49th CSS meeting will be posted on the CSS webpage for comment **[Action: Secretariat, CSS Scientific Secretary]**. **Done: Agenda item 1.6**

49.08. The presentations made at the 49th CSS meeting will be posted on the CSS webpage **[Action: CSS Scientific Secretary]**. **Done.**

ANNEX IV

ACTIONS ARISING FROM THE 50th MEETING OF THE COMMISSION ON SAFETY STANDARDS

50.01. The fully edited versions of the two endorsed draft Safety Guides — DS503 and DS515 — will be posted on the CSS webpage as soon as they are available. CSS members will be alerted by email for a two-week silence approval procedure with the objective of confirming the CSS endorsement of these drafts. **[Action: Secretariat, CSS members]**

50.02. The IAEA Office of Legal Affairs will be asked as to whether the existing OLA opinion papers on the nature of the safety standards and the nuclear security series publications need to be updated. **[Action: Secretariat]**

50.03. The CSS strategic plan will be renamed as the "Working Plan for the 7th term of the CSS": this plan has been formally adopted by the CSS. Time will be specifically allocated in the agenda of the 51st meeting of the CSS for discussions on important topical policy issues and the long term strategy for the safety standards. The need for these discussions will be added to the CSS Working Plan. **[Action: Secretariat, CSS members]**

50.04. A new folder on the CSS members' webpage will be created in which individual proposals for this environmental scanning can be posted. All members of the CSS are encouraged to use this space to post comments and suggestions on the future issues and challenges to be considered in the long term strategy for the safety standards as well as contribution papers on important topical policy issues refered to in Action 50.03. **[Action: Secretariat, CSS members]**

50.05. Feedback from the Covid-19 pandemic will not be retained as a standing agenda item for future meetings. Instead, such feedback will be submitted to the Secretariat using NSS-OUI. The Secretariat will record in NSS-OUI the feedback that has been received up to now. The feedback collected via NSS-OUI will then be considered when individual safety standards are reviewed and revised in future. **[Action: Secretariat, CSS members, RCs members]**

50.06. A draft list of actions from the 50th CSS meeting (this list) will be provided to CSS members for comment **[Action: Secretariat, CSS Scientific Secretary]**.

50.07. The draft report of the 50th CSS meeting and the draft mid-term report will be posted on the CSS webpage for comment **[Action: Secretariat, CSS Scientific Secretary]**.

50.08. The presentations made at the 50th CSS meeting will be posted on the CSS webpage **[Action: CSS Scientific Secretary]**.