



IAEA

原子用于和平与发展

الوكالة الدولية للطاقة الذرية

国际原子能机构

International Atomic Energy Agency

Agence internationale de l'énergie atomique

Международное агентство по атомной энергии

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国际原子能机构（原子能机构）秘书处向原子能机构各成员国致意，并荣幸地提请注意以下密切关联的安全标准草案：

Safety Assessment for Research Reactors and Preparation of the Safety Analysis Report

（研究堆的安全评定和安全分析报告的编写）（第 SSG-20 号的修订）

和

Safety in the Utilization and Modification of Research Reactors

（研究堆利用和改造中的安全）

（第 SSG-24 号的修订）（第 DS510 号）

特此为成员国及其专家提供机会，以便对这些安全标准草案进行审查和评价。这些安全标准草案可在以下网址在线获得：

<https://www.iaea.org/resources/safety-standards/draft-standards-for-ms-comment>

承索将寄送一份这些文本草案的纸质样本。

在这些安全标准最终定稿时，将考虑成员国对其文本草案审查后提出的任何修改建议。

诚请成员国根据随附“说明”中提供的指南对这些文本草案提出意见。

国际原子能机构秘书处借此机会向原子能机构各成员国致以最崇高的敬意。



2019 年 7 月 16 日

附件（仅以英文印发）：说明

意见表

安全标准委员会的说明

Explanatory Note

Safety Assessment for Research Reactors and Preparation of the Safety Analysis Report **(revision of SSG-20)**

and

Safety in the Utilization and Modification of Research Reactors **(revision of SSG-24)**

(DS510)

The draft texts for review, entitled ***Safety Assessment for Research Reactors and Preparation of the Safety Analysis Report (revision of SSG-20) and Safety in the Utilization and Modification of Research Reactors (revision of SSG-24)*** were prepared as draft Safety Guides to be issued in the IAEA Safety Standards Series.

The draft text has already been reviewed through consultants' meetings, as well as by the Emergency Preparedness and Response Standards Committee (EPReSC), the Nuclear Safety Standards Committee (NUSSC), the Radiation Safety Standards Committee (RASSC), the Transport Safety Standards Committee (TRANSSC), the Waste Safety Standards Committee (WASSC), and also by the Nuclear Security Guidance Committee (NSGC).

The objective of these draft texts, as accepted by the Commission on Safety Standards (CSS), is to take into consideration:

- Revisions made to safety requirements in IAEA Safety Standards Series No. SSR-3 since the publication of the original Guides;
- Feedback from users of the IAEA safety standards related to research reactors;
- Use of these Guides for subcritical assemblies;
- Lessons from the accident at the Fukushima Daiichi nuclear power plant and other events in the nuclear industry, including those occurring at research reactors that were reported to the Incident Reporting System for Research Reactors; and
- Experience gained from the Integrated Safety Assessment of Research Reactors missions.

Comments are requested in relation to:

- Relevance and usefulness: Are the stated objectives appropriate, and are they met by the draft texts?
- Scope and completeness: Is the scope appropriate, and is it adequately covered by the draft texts?
- Quality and clarity: Does the guidance in the draft texts represent the current consensus among specialists in the field, and is this guidance expressed clearly and coherently?
- Safety–security interfaces: Does the draft text appropriately address the interfaces between safety and nuclear security?
- Are the requirements established in IAEA Safety Standards Series No. SSR-3 adequately addressed in each draft text?
- Are the following specific issues adequately addressed in these draft Safety Guides?

- Guidance on safety analysis report and safety in the utilization and modification for subcritical assemblies;
- Guidance for development of acceptance criteria and performance of safety analysis for design extension conditions;
- Guidance on “Planning for decommissioning” replaced guidance on “decommissioning”; and
- Consideration of organizational changes to the operating organization as a modification.

Comments of an editorial nature will be considered; however, it should be noted that the draft text will be comprehensively edited by the IAEA Secretariat.

Any comments should be made in English, should refer to the relevant paragraph number in the draft text being reviewed, and should propose alternative text where appropriate. Please use the attached Form for Comments to record all comments.

The responsible IAEA officer is Ms Farhana Naseer of the Department of Nuclear Safety and Security, who may be contacted for further information in connection with this subject by telephone at: +43 1 2600 22017 or via email at: F.Naseer@iaea.org.

Any comments should be sent through the established official channels to the responsible IAEA officer by **22 November 2019**.

Form for Comments
Safety Assessment for Research Reactors and Preparation of the Safety Analysis Report (revision of SSG-20
(DS510A))

| COMMENTS BY REVIEWER | | | | RESOLUTION | | | |
|------------------------------------|---------------|--------------------------|--------|------------|-----------------------------------|----------|-----------------------------------|
| Reviewer: Country/Organization: | | Page.... of.... Date: | | | | | |
| Comment No. | Para/Line No. | Proposed new text | Reason | Accepted | Accepted, but modified as follows | Rejected | Reason for modification/rejection |
| | | | | | | | |

Safety in the Utilization and Modification of Research Reactors (revision of SSG-24)
(DS510B)

| COMMENTS BY REVIEWER | | | | RESOLUTION | | | |
|------------------------------------|------------------|--------------------------|--------|------------|--------------------------------------|----------|--------------------------------------|
| Reviewer: Country/Organization: | | Page.... of.... Date: | | | | | |
| Comment No. | Para/Line No. | Proposed new text | Reason | Accepted | Accepted, but modified as follows | Rejected | Reason for modification/rejection |
| | | | | | | | |

Statement by the Commission on Safety Standards

Publications in the IAEA Safety Standards Series are prepared and reviewed in accordance with a uniform process. To this end, the Commission on Safety Standards (CSS) and five committees with harmonized terms of reference — the Emergency Preparedness and Response Standards Committee (EPRaSC), the Nuclear Safety Standards Committee (NUSSC), the Radiation Safety Standards Committee (RASSC), the Transport Safety Standards Committee (TRANSSC) and the Waste Safety Standards Committee (WASSC) — have been established. The CSS has a special overview role with regard to the IAEA's safety standards and provides advice to the Director General on the IAEA's overall programme with regard to regulatory aspects of safety.

The uniform preparation and review process involves organizing expert group meetings; arranging at different stages of preparation for the internal review of draft texts; submitting the texts to the relevant Committee(s) for review; submitting draft texts to the IAEA's Member States for comment; and submitting the approved final draft of the safety standard¹ for endorsement by the CSS before publication.

The CSS stresses the importance of Member States' comments to the preparation and review process for safety standards. Publications in the IAEA Safety Standards Series not only should be of the requisite quality but also should represent the consensus view of the Member States and should address the issues of importance to the Member States. While the CSS, the Committees and the Secretariat strive to provide safety standards that satisfy these criteria, the review of draft standards by experts in the Member States is an essential stage in obtaining the broadest possible technical consensus and the highest possible quality and relevance.

Member States are also encouraged to provide the IAEA with feedback on their use of the safety standards. The status of safety standards extant and in preparation can be seen on the IAEA's website, where there are also links to electronic files for existing publications, including those in other official languages.² The responsible IAEA officer is Mr Dominique Delattre, Head of the Safety and Security Publications Unit of the Department of Nuclear Safety and Security. He may be contacted for further information in connection with this subject by telephone at: + 43 1 2600 22696 or via email at: D.Delattre@iaea.org.

¹ Safety Guides are published under the authority of the Director General. Safety Fundamentals and Safety Requirements publications require the approval of the Board of Governors, after endorsement by the CSS.

² See <http://www-ns.iaea.org/committees/files/CSS/205/status.pdf>.