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AMENDMENT 1
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Nuclear energy — Fissile materials — Principles of criticality safety in storing, handling and processing

AMENDMENT 1: Methods of control and safety equipment

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Énergie nucléaire — Matières fissiles — Principes de sûreté-criticité lors des opérations d'entreposage, de manutention et de mise en oeuvre du procédé

AMENDEMENT 1: Méthodes de contrôle et équipements importants pour la sûreté

ISO 1709:2018/Amd 1:2022
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AMENDMENT 1: Methods of control and safety equipment

3.14

Delete the term and its definition which have been integrated in the new subclause 5.3.1.

5.2, whole subclause

Replace the text with the following:

"Methods of control of nuclear criticality safety in any operation consist in limiting any one or a combination of the factors affecting criticality discussed in 5.4. The effect of the other factors shall be considered in setting the limits. The nuclear criticality safety assessment shall define the methods of control."

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5.3.1, whole subclause

Replace the text with the following:

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"The control of nuclear criticality safety by such methods as those indicated in 5.2 is achieved by requirements that establish constraints on parameters with a given reliability (i.e. failure frequency), such as:

a) passive engineered safety features (equipment design…);

b) active engineered safety measures (use of process control systems with associated instrumentation…);

c) administrative safety measures (signs, procedures…)."

6.1, last sentence

Replace the last sentence with the following:

"Safety equipment shall be commissioned and should be tested at an appropriate frequency to assure they are available and reliable to perform their intended safety function when needed."

10, last sentence

Delete the last sentence (preceding sentences are self-sufficient).

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