

THE NUCLEAR SECURITY CONCERNS ON THE RECENTLY DEVELOPTED BRAZILIAN NATIONAL NUCLEAR POLICY

Inside of the Brazilian Republic Presidency, the National Security Cabinet is responsible for two important assignments: The coordination of the Brazilian Nuclear Program Protection System (Sipron), responsible for the actual Brazilian nuclear safety and security concerns, and the Brazilian Nuclear Program Development Committee (CDPNB), which is a multiministerial collegiate responsible for the future of the Brazilian nuclear sector. Among plenty of tasks, the Committee is up to proposing solutions on many issues and helping the development of our nuclear sector.

The Brazilian nuclear sector, which began its activities in 1960, was still in the need of a National Policy to present the principles, guidelines and goals for the development of the sector. In this sense, a multiministerial technical group was created, within the scope of the CDPNB, to analyze the main strategic issues on our country and increase the synergy among the involved sectors.

As a final product, a draft of the Brazilian National Nuclear Policy was presented and further on approved by the President that released it by a Decree, on December 5th, 2018. This Policy brought important progress by raising important themes involving nuclear safety and security and bringing them to the highest Brazilian Executive level. So many contributions started to appear pointing out solutions to current obstacles on the development of the Brazilian nuclear sector.

The main principles defined on our National Nuclear Policy are: the use of nuclear technology for peaceful purposes; the observance of conventions, agreements and treaties; nuclear safety and security; the full knowledge of nuclear fuel cycle; the use of nuclear technology for national development and social welfare and directions to ambientals prevention.

The main objectives of the Brazilian National Nuclear Policy are: to keep the knowledge about nuclear technology; to comply with national energy sector decisions, pointing to nuclear power generation; to ensure the safe use of nuclear technology; to strength the planning and the response to emergency situations and safety/security events; to promote society consciousness about the benefits and the safe use of nuclear technology; to expand the medical use of nuclear technology; to reinforce Brazilian commitments on nuclear disarmament and non-proliferation; to update and keep the structure of the Brazilian Nuclear Sector, avoiding overlapping and conflicting tasks; to encourage research, development and innovation; to promote cooperation between ST&I Institutions, as well as with users; to foster research and exploration of nuclear ores; to boost the national production of nuclear ores and their byproducts; to guarantee the strategic geological resource and the strategic stock; to pursue autonomy on the production of nuclear fuel in industrial scale; to foster self-sufficiency in radioisotopes and their export; to promote professional training and to keep human resources on our nuclear sector; to encourage technical, scientific and industrial training; to foster planning and execution of projects, in order to optimize the use of human resources and to guarantee the safe management of radioactive waste.

The construction of the Brazilian National Nuclear Policy is a case of success on a multiministerial effort, by the Brazilian National Security Cabinet guidance. Could be interesting to share, on a presentation at the conference and exploring the theme “National nuclear security regimes”, ours high level challenges and the actions made to mitigate them. Also share the International Atomic Energy Agency (IAEA) contribution to achieve the efficiency of Brazilian nuclear security and safety, by establishing comprehensive guidance and supporting us building technical capacity, including education and training. A National Nuclear Policy must be the first step on the evolution of a nuclear security regulation. Its promulgation can legitimizes and reinforce several and necessary actions to be undertaken and allows to restructure the governance of a State nuclear sector.

State

Brazil

Gender

Male

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Track Classification: CC: National nuclear security regulations