

PROPOSAL OF A SYSTEM OF SIGNALLING OF SECURITY IN OCCUPATIONAL RADIOLOGICAL PROTECTION FOR RADIOACTIVES AND NUCLEAR INSTALLATIONS

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Body of Abstract: After five years of implantation of a program for classification and signalling of restricted areas in the IPEN-CNEN-SP, we noticed that the applied measures of radio protection contributed for the improvement of the system of occupational radiological protection, promoting an improvement in the security of the workers, towards the planning in the execution of the activities involving the use of sources of ionizing radiation. Later, during the implantation of this program, the service of occupational radiological protection, there was great difficulty to conciliate its necessities in terms of security signalling, face the absence of existing standardisation in the country for the minimum disposals on the subject in question. Nowadays there are different interpretations of the specific criteria and many effective normative documents that exist in the country. This work presents as proposal the elaboration of a technical guide whose objective is to display the criteria and recommendations that can facilitate to the companies and the responsible ones for the safety to interpret and to apply the national laws and norms. As consequence, the specifics characteristics and the necessary disposals for the implantation for a implantation of a standardised system of signalling of security in the those areas, where labour risks for the workers involving the use of ionizing radiations are established, according to previous classification in terms of the national and international established recommendations. The noticeable aspects considered in the proposal of the technical guide try to attend to the criteria and recommendations presented in national and international laws and norms consulted and currently effective laws in our country, referring to the areas, places, ways of access, routes of circulation, and to danger carried through activities or to the proper installation of radiation sources, and theirs ways of protection.