Radiation Protection

The CERN Safety Rules and related documents listed below relate and apply to the Radiation Protection and the risks associated with ionising radiation. For information and/or questions relating to the Radiation Protection and to the risks associated with ionising radiation, please contact the HSE Unit: Safety.Info@cern.ch.
The code sets out the basic principles of radiation protection and the rules for protection of occupationally exposed persons at CERN and for protection of the public and the environment. The rules include exposure limits for occupational exposure and exposure for members of the public, classification of areas, optimisation (ALARA) including job planning, management of radioactive waste and management of radioactive materials and sources.

This code is superseded by code “Radiation Protection (2006)”. However, Safety Instructions for radiation protection contained in this Manual remain valid for a transition period.

This code aims at establishing regulations for the control of depleted uranium, deuterium, enriched lithium, thorium, etc., and applies to all activities concerning import, export, transfer and use of fissile materials by the Organization for purposes of scientific research. It determines the responsibilities of the BNM Controller and of other services (i.e. transport and distribution) and draws attention to the duties and obligations of users groups.

This instruction is based on the latest standards and recommendations to ensure a very high level of safety against hazards associated with smoke, toxicity and corrosivity from burning plastics. It summarizes the required properties for the different materials and cable types and is applicable to all types of cables and wires and other insulated parts to be used in CERN installations.

IS 41 - The use of plastic and other non-metallic materials at CERN with respect to fire safety and radiation resistance (2005) en fr

This instruction is intended to ensure a very high level of safety and must be applied to all new installations at CERN, including modifications to existing installations. CERN attaches great importance to the hazards associated with the density, toxicity and corrosiveness of smoke from burning plastics. The document is complemented by tables of standards and specifications for the selection of plastics, and guidelines for their use.

Safety Note

NS 7 - Recommendations for the safe use of uranium at CERN (1979) en

Description of the properties of uranium and of the radiation hazards (external or internal irradiation). Reminder of the procedure to be followed before any order of uranium pieces.

NS 16 - Rules concerning the transport of radioactive material (1997) en fr

These rules are intended to minimize the amount of ionizing radiation, for the benefit of anyone applying for transport and of those responsible for the supervision.
Safety Form

Internal transfer document for Basic Nuclear Material