IEC 61017

Edition 1.0 2016-02

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Radiation protection instrumentation – Transportable, mobile or installed equipment to measure photon radiation for environmental monitoring

Instrumentation pour la radioprotection – Equipement transportable, mobile ou installé pour mesurer le rayonnement de photons pour la surveillance de l'environnement

IEC 61017:2016-02(en-fr)

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RADIATION PROTECTION INSTRUMENTATION – TRANSPORTABLE, MOBILE OR INSTALLED EQUIPMENT TO MEASURE PHOTON RADIATION FOR ENVIRONMENTAL MONITORING

FOREWORD

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International Standard 61017 has been prepared by subcommittee 45B: Radiation protection instrumentation, of IEC technical committee 45: Nuclear instrumentation.

This first edition of IEC 61017 cancels and replaces the first edition of IEC 61017-1, published in 1991, and the first edition of IEC 61017-2, published in 1994. It constitutes a technical revision.

The main technical changes with the previous editions are as follows:

– this standard explicitly describes air absorbed dose and dose rate, ambient dose equivalent dose and dose rate, in addition to air kerma and kerma rate;
– this standard includes the description of the typical detector types for use in environmental monitoring.