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ABSTRACT

Part I

The ICRP, in its publication 35, gives the General Principles of Monitoring for Radiation Protection of Workers. It is a very nice publication, very concise but difficult for anyone that want to design a monitoring program for his specific situation and also to satisfy national regulatories bodies. For this reason, the present paper intend to provide a guide to select different types of monitoring to be introduced in a particular situation satisfying the ICRP-35. Our guide, in this first part was subdivides into the following topics:

- 1 The aim of the monitoring program
- 2 Supplementary benefits of the monitoring
- 3 The different types of workplace monitoring and their selection for a specific case
- 4 The different types of individual monitoring and their selection for a specific case.

As in ICRP we consider also the routine, operational and special kinds of monitoring. In each paragraph of our paper we mention, in parenthesis, the corresponding paragraph of ICRP-35 that it can furnish more details about the subject.

Part II

If a monitoring program of the workplace for external radiation should be introduced in specific work situation, the present paper gives a guide to implement a monitoring program according ICRP-35 on a simple manner. Our design was subdivided into the following topics:

- 1 Introduction
- 2 Choice of the monitoring points
- 3 Equipment used
- 4 Description of the model used to estimate the result in terms of the ICRP recommendations
- 5 Interpretation of the result
- 6 Quality assurance
- 7 Reassessment of monitoring program
- 8 Record keeping of the abnormal situations

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