



# Contents

<b>Preface</b> .....	iii
<b>Foreword</b> .....	vi
<b>1. Introduction</b> .....	1
<b>2. Dosimetric Implications of Current ICRP Recommendations for Irradiations from External Sources</b> .....	2
<b>3. Specification of the Dose Equivalents for Environmental and Individual Monitoring</b> .....	3
<b>3.1 Environmental Monitoring</b> .....	3
<b>3.1.1 Ambient Dose Equivalent, <math>H^*(d)</math></b> .....	3
<b>3.1.2 Directional Dose Equivalent, <math>H'(d)</math></b> .....	3
<b>3.2 Individual Monitoring</b> .....	3
<b>3.2.1 Individual Dose Equivalent, Penetrating, <math>H_p(d)</math></b> .....	3
<b>3.2.2 Individual Dose Equivalent, Superficial, <math>H_s(d)</math></b> .....	4
<b>3.3 Relationships Between the Specified Dose Equivalent Quantities and Protection Requirements</b> .....	4
<b>4. Desirable Instrument Characteristics and Suitability of Existing Instruments</b> .....	6
<b>4.1 Ambient Dose Equivalent, <math>H^*(d)</math></b> .....	6
<b>4.2 Directional Dose Equivalent, <math>H'(d)</math></b> .....	6
<b>4.3 Individual Dose Equivalents, <math>H_p(d)</math> and <math>H_s(d)</math></b> .....	6
<b>References</b> .....	7
ICRU Reports .....	8