

TABLE OF CONTENTS

VOLUME I

	Page
Part 1. GENERAL PROVISIONS, DEFINITIONS, TRAINING AND SECURITY	19
Chapter 1.1 - General provisions	21
1.1.1 Scope and application	21
1.1.2 Transport of radioactive material	22
1.1.3 Dangerous goods forbidden from transport.....	25
Chapter 1.2 - Definitions and units of measurement	27
1.2.1 Definitions	27
1.2.2 Units of measurement.....	35
Chapter 1.3 - Training	39
Chapter 1.4 Security provisions	41
1.4.1 General provisions	41
1.4.2 Security training	41
1.4.3 Provisions for high consequence dangerous goods	41
Part 2. CLASSIFICATION	45
Chapter 2.0 - Introduction	47
2.0.0 Responsibilities	47
2.0.1 Classes, divisions, packing groups	47
2.0.2 UN numbers and proper shipping names.....	48
2.0.3 Precedence of hazard characteristics	50
2.0.4 Transport of samples	52
Chapter 2.1 - Class 1 - Explosives.....	53
2.1.1 Definitions and general provisions	53
2.1.2 Compatibility groups	55
2.1.3 Classification procedure	57
Chapter 2.2 - Class 2 - Gases	69
2.2.1 Definitions and general provisions	69
2.2.2 Divisions	69
2.2.3 Mixtures of gases	70
Chapter 2.3 - Class 3 - Flammable liquids	73
2.3.1 Definition and general provisions.....	73
2.3.2 Assignment of packing groups	74
2.3.3 Determination of flash point.....	75

TABLE OF CONTENTS (cont'd)

VOLUME I

	Page
Chapter 2.4 - Class 4 - Flammable solids; substances liable to spontaneous combustion; substances which, in contact with water, emit flammable gases	77
2.4.1 Definitions and general provisions	77
2.4.2 Division 4.1 - Flammable solids, self-reactive substances and solid desensitized explosives	78
2.4.3 Division 4.2 - Substances liable to spontaneous combustion	89
2.4.4 Division 4.3 - Substances which in contact with water emit flammable gases	90
2.4.5 Classification of organometallic substances	91
Chapter 2.5 - Class 5 - Oxidizing substances and organic peroxides	93
2.5.1 Definitions and general provisions	93
2.5.2 Division 5.1 - Oxidizing substances	93
2.5.3 Division 5.2 - Organic peroxides	95
Chapter 2.6 - Class 6 - Toxic and infectious substances	113
2.6.1 Definitions	113
2.6.2 Division 6.1 - Toxic substances	113
2.6.3 Division 6.2 - Infectious substances	119
Chapter 2.7 - Class 7 - Radioactive material	125
2.7.1 Definition of Class 7	125
2.7.2 Definitions	125
2.7.3 Low specific activity (LSA) material, determination of groups	128
2.7.4 Requirements for special form radioactive material	129
2.7.5 Surface contaminated object (SCO), determination of groups	131
2.7.6 Determination of transport index and criticality safety index (CSI)	132
2.7.7 Activity limits and material restrictions	133
2.7.8 Limits on transport index (TI), criticality safety index (CSI), radiation levels for packages and overpacks	153
2.7.9 Requirements and controls for transport of excepted packages	154
2.7.10 Requirements for low dispersible radioactive material	156
Chapter 2.8 - Class 8 - Corrosive substances	157
2.8.1 Definition	157
2.8.2 Assignment of packing groups	157
Chapter 2.9 - Class 9 - Miscellaneous dangerous substances and articles	159
2.9.1 Definitions	159
2.9.2 Assignment to Class 9	159
2.9.3 Environmentally hazardous substances (aquatic environment)	159

TABLE OF CONTENTS (cont'd)

VOLUME I

	Page
Part 3. DANGEROUS GOODS LIST AND LIMITED QUANTITIES EXCEPTIONS	171
Chapter 3.1 - General	173
3.1.1 Scope and general provisions	173
3.1.2 Proper shipping name	173
3.1.3 Mixtures and solutions containing one dangerous substance	175
Chapter 3.2 - Dangerous goods list	177
3.2.1 Structure of the dangerous goods list	177
3.2.2 Abbreviations and symbols	178
Chapter 3.3 - Special provisions applicable to certain articles or substances.....	301
Chapter 3.4 - Dangerous goods packed in limited quantities	319
APPENDICES	321
Appendix A - List of generic and N.O.S. proper shipping names.....	323
Appendix B - Glossary of terms	343
ALPHABETICAL INDEX OF SUBSTANCES AND ARTICLES	355

TABLE OF CONTENTS (cont'd)

VOLUME II

Part 4. PACKING AND TANK PROVISIONS	3
Chapter 4.1 - Use of packagings, including intermediate bulk containers (IBCs) and large packagings	5
Chapter 4.2 - Use of portable tanks and multiple-element gas containers (MEGCs).....	95
Chapter 4.3 Use of bulk containers	119
Part 5. CONSIGNMENT PROCEDURES	123
Chapter 5.1 - General provisions	125
Chapter 5.2 - Marking and labelling.....	131
Chapter 5.3 - Placarding and marking of transport units.....	141
Chapter 5.4 - Documentation	145
Chapter 5.5 - Special provisions	155
Part 6. REQUIREMENTS FOR THE CONSTRUCTION AND TESTING OF PACKAGINGS, INTERMEDIATE BULK CONTAINERS (IBCs), LARGE PACKAGINGS, PORTABLE TANKS, MULTIPLE-ELEMENT GAS CONTAINERS (MEGCs) AND BULK CONTAINERS	157
Chapter 6.1 - Requirements for the construction and testing of packagings (other than for Division 6.2 substances).....	159
Chapter 6.2 - Requirements for the construction and testing of pressure receptacles, aerosol dispensers and small receptacles containing gas (gas cartridges).....	183
Chapter 6.3 - Requirements for the construction and testing of packagings for Division 6.2 substances.....	205
Chapter 6.4 - Requirements for the construction, testing and approval of packages and material for Class 7	211
Chapter 6.5 - Requirements for the construction and testing of intermediate bulk containers.....	237
Chapter 6.6 - Requirements for the construction and testing of large packagings	261
Chapter 6.7 - Requirements for the design, construction, inspection and testing of portable tanks and multiple-element gas containers (MEGCs)	271
Chapter 6.8- Requirements for the design, construction, inspection and testing of bulk containers	321

TABLE OF CONTENTS (cont'd)

VOLUME II

	Page
Part 7. PROVISIONS CONCERNING TRANSPORT OPERATIONS	325
Chapter 7.1 - Provisions concerning transport operations by all modes of transport.....	327
Chapter 7.2 - Modal provisions	339
TABLE OF CORRESPONDENCE between paragraph numbers in the IAEA " <i>Regulations for the Safe Transport of Radioactive Material</i> ", 1996 Edition (As amended 2005), and the fourteenth revised edition of the Recommendations on the Transport of Dangerous Goods (including the Model Regulations)	343

