

Classification of services for RI CMCs

Branch	Quantity	Medium	Source	Radionuclide
1 Dosimetry	6 Air kerma/rate 7 Reference air kerma rate 8 Ambient dose equivalent/rate 9 Directional dose equivalent/rate 12 Air kerma length product 13 Air kerma area product 14 X-ray tube voltage 15 Absorbed dose/rate 16 Personal dose equivalent/rate	0 Not applicable 1 Other material 2 Air 3 Water 4 Graphite 5 Tissue: superficial 6 Tissue: penetrating	1 Other 2 Electrons 3 Beta radiation 4 X-ray, 10 kV to 50 kV 5 X-ray, 50 kV to 420 kV 6 Photons, high energy 7 Co-60 8 Cs-137 9 Ir-192 10 Am-241 11 Co-57 12 I-125 13 Pd-103 14 Ra-226 15 X-ray, 50 kV to 300 kV 16 X-ray, 300 kV to 600 kV 17 Protons 18 Heavy ions	
2 Radioactivity	1 Activity 5 Surface emission rate 8 Emission rate 12 Efficiency	1 Other 2 Gas 3 Liquid 4 Solid 5 Aerosol 6 Reference material: other 8 Reference material: water 10 Reference material: soils/sediments 11 Reference material: flora 12 Reference material: building materials 13 Reference material: fauna	1 Single-radionuclide source 2 Multi-radionuclide source 3 Kx-rays	Xx-00
3 Neutron Measurements	1 Emission rate 4 Fluence rate 17 Absorbed dose/rate	0 Not applicable 1 Air 2 Water 3 Tissue	2 Monoenergetic neutrons 3 Thermal neutron distribution 4 Wide energy range neutrons 4 Wide energy range neutrons 11 Radionuclide sources 12 High energy (>20 MeV) quasi monoenergetic neutrons	

The JCRB document "International Rules for Filling in the CMC Tables for Ionizing Radiation" agreed in 2004 and updated in September 2019 is available by clicking [here](#).