

### ภาคผนวกที่ 3 ปริมาณรังสี

Name	Symbol	Dimensions*
1. Energy imparted ( <b>Integral absorber dose</b> )		E
2. Absorbed dose	D	EM <sup>2</sup>
3. Absorbed dose rate		EM <sup>-1</sup> T <sup>-1</sup>
4. Particle fluence or <b>fluence</b>	$\Phi$	L <sup>-2</sup>
5. <b>Particle</b> flux density or <b>intensity</b>	$\phi$	L <sup>-2</sup> T <sup>-1</sup>
6. Energy <b>fluence</b>	F	EL <sup>-2</sup>
7. energy flux density or intensity	I	EL <sup>-2</sup> T <sup>-1</sup>
<b>8. Kerma</b>	K	EM <sup>2</sup>
9. Kerma rate		EM <sup>-1</sup> T <sup>-1</sup>
10. Exposure	X	QM <sup>-1</sup>
11. Exposure rate		QM <sup>-1</sup> T <sup>-1</sup>
12. Mass attenuation coefficient	$\frac{\mu}{\rho}$	L <sup>2</sup> M <sup>-1</sup>
13. Mass energy transfer coefficient	$\frac{\mu_K}{\rho}$	L <sup>2</sup> M <sup>-1</sup>
14. Mass energy absorption <b>coefficient</b>	$\frac{\mu_{en}}{\rho}$	L <sup>2</sup> M <sup>-1</sup>
15. Mass stopping power	$\frac{S}{\rho}$	EL <sup>2</sup>
16. Linear energy transfer	L	EL <sup>-1</sup>
17. Average energy per <b>ion</b> pair	W	E
18a. <b>Activity</b>	A	T <sup>-1</sup>
19. <b>Specific</b> gamma-ray constant		QL <sup>2</sup> M <sup>-1</sup>
20. Dose equivalent	DE	