

Unification of Prefixes in Unit Codes (A9)

(N. Otsuka, S. Hlavac, 2012-04-02, CP-D/733)

Following Conclusion 16 of the NRDC 2011 Meeting

The proposal on consistency of unit codes (2 instead of -SQ, MU instead of MICRO- and MU-) was approved.

and Action 9 of the NRDC 2011 Meeting,

Summarize proposals on change in dictionary 25 based on the Conclusion 16, and submit it as a memo.

we propose to add new codes and to make corresponding existing codes obsolete. (Obsolete: the affected subentries will be legal until retransmission of them due to any reasons.)

We found hyphenation between a prefix and base unit makes the unit code more readable when the prefix consists of two or more characters (e.g., MU-EV instead of MUEV). Hence below we do not propose removal of hyphen from MU-.

Gy·m² (Gray-square metres) is too large for data compiled in EXFOR, and a new code is proposed for fGy·m² (femto Gray-square meters).

New code	will replace	expansion	# of entries/ # of subentries
-SQ			
FGY*M2	GY*M-SQ	femto-Gray*m-squared	5/57
EV2	EV-SQ	eV-squared	3/3
GEV2	GEV-SQ	GeV-squared	1/1
KEV2	KEV-SQ	keV-squared	0/0
MEV2	MEV-SQ	MeV-squared	0/0
G/CM2	G/CM-SQ	gram/cm-squared	73/214
B*EV2	B*EV-SQ	barns * eV-squared	47/101
MB*EV2	MB*EV-SQ	milli-barns*eV-squared	0/0
MISC			
FM	FERMI	femto-meter	211/758
NM	MILLI-MU	nano-meter	0/0