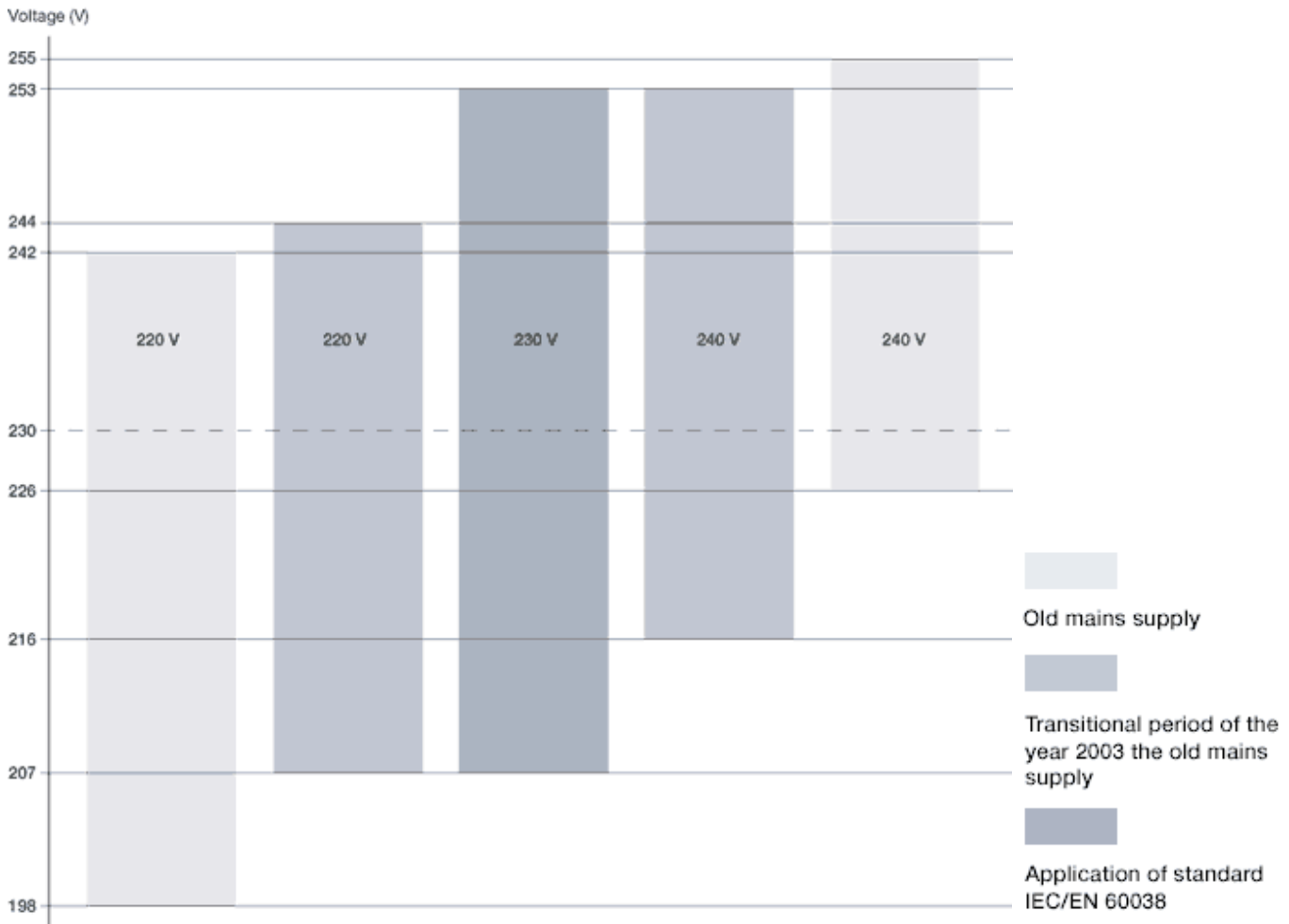


EUROPEAN VOLTAGE STANDARDS

With the publication of the 1983 edition of this standard, voltage ratings in the field of low voltage products were redefined. The a.c. power supply mains ratings 220 V/380 V and 240 V/415 V have been replaced by a single rating of 230 V/400 V.

For a 20 year transitional period until the year 2003, a + 6%/-10 tolerance corresponding to 244 V and 207 V has been established for countries that used the voltage rating 220 V/380 V. for countries that used the voltage rating 240 V/415 V, a + 10/-6% tolerance corresponding to 253 V and 216 V is applicable. Establishing mains tolerances until the year 2003 ensures that electronic equipment designed for the old voltages will function safely until the end of their service life. Starting in 2003, voltage ratings will be expanded to +10%/-10 in all countries.

Phase to neutral voltage ratings and their tolerances for various mains supplies



Note:

On 1st. January 2003 the UK will adopt the 230/400 V nominal voltage with a+10% tolerance.

This will be by amendment to "The Electricity Supply Regulations" (SI 1057 : 1988) to be published during 2002.

This change is shown in BS 7967 : 1993 "Nominal voltages for low voltage public electricity supply systems" and is referred to in Appendix 2 of BS 7671 : 2001 "Requirements for electrical Installations".