

Outlines of Major Noise Regulation Standards

☒ Continued from the preceding page.

6. Immunity Regulations in the European Union

All electric/electronic equipment cannot be sold in Europe without CE marking. To use CE marking, they must satisfy related EC directives such as EMC directives.

For Information Technology Equipment, in EMC directive, emission regulations are integrated, and immunity regulations are applied. Although these immunity regulations are prepared by CENELEC, almost all contents are same as standards issued by IEC or CISPR.

All products which are sold in EU must satisfy EC directives which contain immunity regulations.

Principal EC Directive	
EMC Directive	89/336/EEC 92/31/EEC
Low-Voltage Electrical Products Directive	73/23/EEC
Machines Directive	89/392/EEC

7. Immunity Regulations in Japan

Equipment	Association
TV, Radio, Audio	JEITA (Japan Electronics and Information Technology)
ITE	
Office Machine	JBMIA (Japan Business Machine and Information System Industries Association)
Mi	CIAJ (Communication and Information Network Association of Japan) ARIB (Association of Radio Industries and Business)
Machine To Builders	JMTBA (Japan Machine Tool Builders' Association)
Industrial Measuring Control Equipment	JEMIMA (Japan Electric Measuring Instruments Manufacturers' Association)
Industrial Robot	JARA (Japan Robot Association)

The table on the right shows the preparation situation of JIS for EMC. At this moment, the immunity standards by JIS do not have a legal force like the Electrical Application and Material Safety Law/VCCI.

Classification	Information Regulation	JIS
Terms	ISO60050-161 (IEV terms 161)	JIS C 0161
Basic Standard	IEC61000-4- 2	JIS C 61000-4-2
	IEC61000-4- 3	JIS C 61000-4-3
	IEC61000-4- 4	JIS C 61000-4-4
	IEC61000-4- 5	JIS C 61000-4-5
	IEC61000-4- 6	JIS C 61000-4-6
	IEC61000-4- 7	JIS C 61000-4-7
	IEC61000-4- 8	JIS C 61000-4-8
	IEC61000-4-11	JIS C 61000-4-11
	IEC61000-4-14	JIS C 61000-4-14
	IEC61000-4-17	JIS C 61000-4-17
Generic Standard	IEC61000-6-1	JIS C 61000-6-1
	IEC61000-6-2	JIS C 61000-6-2