

TABLE 2

TESTING AND INSPECTION INTERVALS FOR ELECTRICAL EQUIPMENT
(CAUTION: This page must be read in conjunction with the Standard as a whole, and particularly Clause 2.1)

Type of environment and/or equipment (a)	Interval between inspection and tests						Cord Extension sets and EPODs (h)
	Class of Equipment		Residual Current Devices (RCDs)				
	Class I (protectively earthed) (b)	Class II (double insulated) (c)	Push-button test by user		Operating time RCD tester		
			Portable (d)	Fixed (e)	Portable (f)	Fixed (g)	
1 Factories, workshops, places of work or repair manufacturing, assembly, maintenance or fabrication	6 months	12 months	Daily, or before every use, whichever is the longer	6 months	12 months	12 months	6 months
2 Laboratories, health care and educational establishments, tea rooms and office kitchens	12 months	12 months	3 months, or before every use, whichever is the longer	6 months	2 years	2 years	12 months
3 Office environment: Where the equipment or supply flexible cord is subject to flexing in normal use OR is open to abuse OR is in a hostile environment	12 months	12 months	3 months	6 months	2 years	2 years	12 months
4 Office environment: Where the equipment or supply cord is NOT subject to flexing in normal use AND is NOT open to abuse and is NOT in a hostile environment	5 years	5 years	3 months	6 months	2 years	2 years	2 years
5 Hire equipment (note 3)	Inspect before each hire. Test monthly	Inspect before each hire. Test monthly	Prior to each hire. Test monthly	NA	Prior to each hire. Test monthly	NA	Inspect before each hire. Test monthly
6 Repaired/serviced/second hand equipment	After repair or service which could affect electrical safety, or on re-introduction to service.						
7 Equipment used for commercial cleaning	6 months	12 months	3 months	NA	2 years	NA	12 months
8 Residential type areas: Residential institutions, hotels, boarding houses, hospitals, accommodation houses, motels, hostels and the like	2 years	2 years	6 months	6 months	2 years	2 years	2 years

Notes:

- 1 Multiple environments may exist in any location e.g.: An ‘office’ classification and a ‘laboratory’ classification may exist within a ‘factory’ establishment.
- 2 Regulatory Authorities, other Standards, workplace safety requirements or manufacturers’ instructions may specify intervals appropriate to particular industries or specific types of equipment.
- 3 RCDs in transportable equipment shall be regarded as portable RCDs.
- 4 The following Standards refer only to the inspection and testing method of Clause 2.3 of this Standard, but not to the intervals of testing in Table 2 above. Refer to the appropriate standard for specific test intervals:
AS 3001 Electrical installations – Movable premises (including caravans) and their installations.
AS 3002 Electrical installations – Shows and carnivals
AS/NZS 3003 Electrical installations – Patient treatment areas of hospitals and medical and dental practices.
AS 3004 Electrical installations – Marinas and pleasure craft at low voltage.
AS/NZS 3012 Electrical installations – Construction and demolition sites.
AS/NZS 4249 Electrical safety practices – Film, video and television sites.

TABLE 1

MAXIMUM TRIPPING TIMES

RCD Type	A.C. RMS test current mA	Maximum Tripping Time mS
Type I	10	40
Type II	30	300

2.4 ACTION RESULTING FROM INSPECTION AND TESTING

2.4.1 Non-compliant equipment

Where in-service inspection or testing identifies equipment which fails to comply with the criteria given in this Standard, the equipment shall be –

- (a) withdrawn from service immediately, have a label attached to it warning against further use; and
- (b) sent for repair, disposal or destruction by an authorised repair agent or service personnel.

2.4.2 Compliant equipment

Following in-service inspection and testing, compliant equipment shall be fitted with a durable, non-reusable, non metallic tag.

New equipment, in accordance with Clause 2.1(a), need not be inspected or tested, but shall be tagged, and the tag will be marked with the date as per (b) below prior to introduction to service.

The tag, which may be colour coded to identify the period in which the test was performed, shall include:

- (a) the name of the person or company who performed the tests; and
- (b) the test or re-test date.

Notes:

- 1 Some Regulatory Authorities or other Standards, such as AS/NZS 3012 and the AS/NZS ISO 9000 series, may require other inspection and test records to be kept.
- 2 AS/NZS 4249 and AS/NZS 3012 provide guidance on one method of colour coding. Alternative methods are acceptable.

2.5 DOCUMENTATION

Where records of test and inspection are kept, all the following should be recorded:

- (a) A register of all equipment.
- (b) A record of formal inspection and tests.
- (c) A repair register.
- (d) A record of all faulty equipment.

Note: Regulatory requirements may require documentation to be kept in some cases. Refer to Standards NS/NZS 3000, AS 3002, AS/NZS 3003, AS/NZS 3551, AS/NZS 3012 and AS/NZS 4249.