

Date 10/19/2010	Document ANSI/IEEE C63.4-2009
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National Committee	Clause/ Subclause	Paragraph Figure/ Table	Type of comment (General/ Technical/Editorial)	COMMENTS	Proposed change	OBSERVATIONS OF THE SECRETARIAT on each comment submitted
	6.3.1.2, 7.3.1, 5.2.3.1, (see also B.2, and Tables B.3 and B.4)	Table B.3 and B.4	Technical	<p>6.3.1.2 b) states, "...If the power accessory plugs directly into the wall outlet, the power accessory shall be tested on the tabletop using an extension cord between the source of power and the accessory..."</p> <p>7.3.1 states, "...Adapters or extension cords connected between the EUT power cord plug and the LISN power receptacle shall be included in the LISN setup, such that the calibration of the combined adapter or extension cord with an adapter and the LISN meets the requirements of 5.2.3."</p> <p>5.2.3.1 states, "...The impedance at the receptacle end of any cable connected to the EUT end of the LISN (as contrasted to the impedance at the LISN terminals given in Figure 1), with the measuring instrument port of the LISN terminated into a 50 ohm load, shall be within +30% and -20% of the nominal LISN impedance shown in Figure 1 over the frequency range of the network to be used..."</p> <p>To the best of my knowledge it is not possible to meet the specified impedance limits with an 80 cm long extension cord plugged into the EUT port of the LISN.</p> <p>Therefore it is impossible to simultaneously meet the requirements of these two conflicting clauses.</p>	Please advise which clause(s) is (are) governing and which clause(s) ought to be stricken from the standard or modified to eliminate this conflict.	<p>The various requirements in the stated paragraphs of C63.4-2009 are completely compatible as long as the premise of an acceptable 80 to 100 cm extension cord on the output side of a LISN is met. One example of such an extension cord is described in 'remote conducted emission testing using matched LISN power cable assembly' by Anatoly Tsaliovich and Dheena Moongilan in the IEEE EMC Society 1990 International Symposium on Electromagnetic Compatibility Symposium Record, 10.1109/ISEMC.1990.252804.</p> <p>Therefore, there is no need to change any of the C63.4-2009 requirements or clauses.</p>