

IEEE Std 519™-1992
(Revision of IEEE Std 519-1981)

Correction to

IEEE Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems

Sponsor

Transmission and Distribution Committee
of the
IEEE Power Engineering Society

Correction Sheet
Issued 15 June 2004

Copyright © 2004 by the Institute of Electrical and Electronics Engineers, Inc.
All rights reserved. Published 2004. Printed in the United States of America.

This correction sheet may be freely reproduced and distributed in order to maintain the utility and currency of the underlying Standard. This correction sheet may not be sold, licensed or otherwise distributed for any commercial purposes whatsoever. The content of this correction sheet may not be modified.

Page 73, Table 10-5 should read as follows:

Table 10-5—Current Distortion Limits for General Transmission Systems (>161 KV), Dispersed Generation and Cogeneration

Individual Harmonic Order (Odd Harmonics)						
I_{sc}/I_L	<11	11≤h<17	17≤h<23	23≤h<35	35≤h	THD
<50	2.0	1.0	0.75	0.3	0.15	2.5
≥50	3.0	1.5	1.15	0.45	0.22	3.75

Even harmonics are limited to 25% of the odd harmonic limits above.

Current distortions that result in a dc offset, e.g., half-wave converters, are not allowed.

* All power generation equipment is limited to these values of current distortion, regardless of actual I_{sc}/I_L .

where
 I_{sc} = maximum short-circuit at PCC.
 I_L = maximum demand load current (fundamental frequency component) at PCC.