

1. Record Nr.	UNINA9910172044803321
Titolo	AIEE guide for safety in alternating-current substation grounding
Pubbl/distr/stampa	New York : , : IEEE, , 1961
ISBN	1-5044-3566-4
Descrizione fisica	1 online resource (103 pages)
Disciplina	621.3126
Soggetti	Electric substations - Safety measures Electric currents - Grounding
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Purpose: The purpose of this Guide is:1. To review grounding practices with especial reference to safety.2. To establish, as a basis for design, the safe limits for potential differences which can exist in a station, under fault conditions, between point which can be contacted by the human body.3. to provide a step by step guide for the design of practical grounding systems based on these limits.4. to recommend test methods for obtaining data for the design of ground systems, and for verifying the adequacy of ground systems as constructed.5. To develop mathematical methods as an aid in the understanding and solution of typical ground gradient problems.6. To make available in English translation, some of the more pertinent and valuable foreign language articles.7. To provide a comprehensive bibliography, with abstracts, of existing literature related to the subject, for the benefit of those seeking additional information not included herein.This Guide, as a whole, is primarily concerned with alternating-current outdoor substation installations. A few sections are applicable to indoor portions of such stations or to stations which are wholly indoors.</p>