

1. Record Nr.	UNINA9910135512003321
Titolo	IEEE Std 379-1972 (ANSI N41.2-1972) : IEEE Trial-Use Guide for the Application of the Single-Failure Criterion to Nuclear Power Generating Station Protection Systems // Institute of Electrical and Electronics Engineers
Pubbl/distr/stampa	[Place of publication not identified] : , : IEEE, , 1972
ISBN	0-7381-9880-3
Descrizione fisica	1 online resource
Disciplina	620.00452
Soggetti	Reliability (Engineering)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	The single-failure criterion is set forth in 4.2 of IEEE Std 279-1971 (ANSI N42.7-1972), Criteria for Protection Systems for Nuclear Power Generating Stations. It states: "Any single failure within the protection system shall not prevent proper protection system action when required." This guide describes and classifies single failures, presents acceptable methods of single-failure analysis. The single-failure criterion is a basic principle in the design of reliable systems. There are other approaches to high system reliability, not included in this guide, such as equipment qualification, periodic testing, and the setting and achievement of reliability goals.