1. Record Nr. UNISA996280177503316

Titolo	IEEE standard criteria for programmable digital devices in safety systems of nuclear power generating stations
Pubbl/distr/stampa	New York : , : IEEE, , 2016
ISBN	1-5044-0859-4
Descrizione fisica	1 online resource (80 pages)
Disciplina	621.4835
Soggetti	Nuclear power plants - Safety measures - Standards Nuclear power plants - Electronic equipment - Standards Systems engineering - Standards Information technology - Standards
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Additional specific requirements to supplement the criteria and requirements of IEEE Std 603(TM) are specified for programmable digital devices. Within the context of this standard, the term programmable digital device is any device that relies on software instructions or programmable logic to accomplish a function. Examples include a computer, a programmable hardware device, or a device with firmware. Systems using these devices will also be referred to as digital safety systems in this standard. The criteria contained herein, in conjunction with criteria in IEEE Std 603, establish minimum functional and design requirements for programmable digital devices used as components of a safety system. Scope: This standard serves to amplify criteria in IEEE Std 603(TM)-2009, to address the use of programmable digital devices as part of safety systems in nuclear power generating stations. The criteria contained herein, in conjunction with criteria in IEEE Std 603-2009, establish minimum functional and design requirements for programmable digital devices used as components of a safety system.