

IEEE Hydroelectric Power Standards Collection: VuSpec™

This value-packed VuSpec CD-ROM represents the most complete resource available for professional engineers looking for best practices and techniques in the hydroelectric field. It includes 25 active and inactive standards, guides and recommended practices hydro generating station systems and equipment. It covers hydroelectric generating station systems and equipment including hydro station design features (conventional, pumped storage, and mini-hydro), hydro station control systems (in liaison with the Station Design, Operation and Control Subcommittee), hydraulic unit speed governing systems, prime movers, and reservoir management and level control systems.

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Active

- IEEE 125-2007, IEEE Recommended Practice for Preparation of Equipment Specifications for Speed-Governing of Hydraulic Turbines Intended to Drive Electric Generators
- IEEE Std 492-1999(R2011), IEEE Guide for Operation and Maintenance of Hydro-Generators
- IEEE Std 666-2007, IEEE Design Guide for Electric Power Service Systems for Generating Stations
- IEEE Std 807-2011, IEEE Recommended Practice for Unique Identification in Hydroelectric Facilities
- IEEE Std 810-2015, IEEE Standard for Hydraulic Turbine and Generator Shaft Couplings and Shaft Runout Tolerances
- IEEE Std 1010-2006, IEEE Guide for Control of Hydroelectric Power Plants
- IEEE Std 1020-2011, IEEE Guide for Control of Small (100 kVA to 5 MVA) Hydroelectric Power Plants
- IEEE Std 1095-2012, IEEE Guide for the Installation of Vertical Generators and Generator/Motors for Hydroelectric Applications
- IEEE Std 1147-2005 (R2012), IEEE Guide for the Rehabilitation of Hydroelectric Power Plants
- IEEE Std 1207-2011, IEEE Guide for the Application of Turbine Governing Systems for Hydroelectric Generating Unit
- IEEE Std 1248-1998 (R2007), IEEE Guide for the Commissioning of Electrical Systems in Hydroelectric Power Plants
- IEEE/IEC Std 1249-2013, IEEE/IEC Guide for Computer-Based Control for Hydroelectric Power Plant Automation

- IEEE/IEC 62270-2013, IEC/IEEE Guide for Computer-Based Control for Hydroelectric Power Plant Automation
- C57-116-2014, IEEE Guide for Transformers Directly Connected to Generators

Archive

- ANSI/IEEE Std 125-1988, IEEE Recommended Practice for Preparation of Equipment Specifications for Speed-Governing of Hydraulic Turbines Intended to Drive Electric Generators
- ANSI/IEEE Std 492-1974 (R1981), IEEE Guide for Operation and Maintenance of Hydro-Generators
- IEEE Std 810-1987(R2001), IEEE Standard for Hydraulic Turbine and Generator Integrally Forged Shaft Coupling and Shaft Runout Tolerances
- ANSI/IEEE Std 1010-1987, IEEE Guide for Control of Hydroelectric Power Plants
- IEEE Std 1020-1988, IEEE Guide for Control of Small Hydroelectric Power Plants
- IEEE Std 1095-1989, IEEE Guide for Installation of Vertical Generators and Generator/Motors for Hydroelectric Applications
- IEEE Std 1147-1991, IEEE Guide for the Rehabilitation of Hydroelectric Power Plants
- IEEE Std 1207-2004, IEEE Guide for the Application of Turbine Governing Systems for Hydroelectric Generating Units
- IEEE Std 1249-1996, IEEE Guide for Computer-Based Control for Hydroelectric Power Plant Automation
- IEEE Std 1249-1996, Errata to IEEE Guide for Computer-Based Control for Hydroelectric Power Plant Automation
- IEEE C57-116-1989, IEEE Guide for Transformers Directly Connected to Generators

Bonus Feature:

- 12 essential Hydroelectric Power white papers.
- A handy bibliography of recommended IEEE hydroelectric papers

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