

Fact Sheet for IEEE Nuclear Power Engineering Committee (NPEC)

Scope of NPEC Subcommittees

SC-1 – Administrative

Administration, integration and change of the policies, procedures and general affairs of the main committee.

SC-2 – Qualifications

Treats all matters relating to the qualifications of safety-related systems and equipment in nuclear power generating stations.

SC-3 – Operations, Maintenance, Aging, Testing & Reliability

Treatment of matters relating to the operation, surveillance, maintenance, and testing of safety-related systems and equipment in nuclear power generating stations, and the treatment of all matters relating to the analysis of the reliability of safety-related systems for nuclear facilities.

SC-4 – Auxiliary Power

Treatment of all matters relating to the electric systems which provide power to the safety-related equipment and systems in nuclear power generating stations.

SC-5 – Human Factors, Control Facilities, and Reliability

Concerned with the analysis of the human performance aspects of systems and equipment, the development of control facilities criteria, and the treatment of all matters relating to the analysis of the reliability of safety-related systems for nuclear facilities.

SC-6 – Safety-Related Systems

Treatment of all matters relating to safety-related systems engineering of the plant protection system, protective action system, reactor trip system, reactor protection system, engineering safety features, auxiliary supporting features, safety systems, post-accident monitoring display instrumentation, safe shutdown systems, and preventative interlocks.

NPEC Scope



NPEC is one of the Technical Committees of the IEEE Power & Energy Society (PES). NPEC scope covers all nuclear power related technical and standards writing activities within the IEEE. NPEC's principal subcommittees cover Equipment Qualification; Operating, Aging, Maintenance, Testing and Reliability; Auxiliary Power; Human Factors and Control Facilities and Safety Related Systems.

NPEC is generally responsible for:

- a. Participating in and supporting goals and activities of PES.
- b. Sponsorship of IEEE nuclear power plant standards.
- c. Preparation of IEEE coordinated responses to USNRC draft regulatory guides, rule making documents and NUREG documents released for public comment.
- d. Liaison between IEEE and ANSI, ASME, ANS, ASTM and ISA and other International Organizations such as IAEA and IEC in all nuclear power plant matters.
- e. U.S. management responsibility for all equipment qualification standards.
- f. U.S. management responsibility for national consensus on all nuclear power plant standards in the electrical and electronic area.
- g. U.S. responsibility for human factors standards within the nuclear power industry.
- h. U.S. responsibility for nuclear power plant computer standards.
- i. NPEC's established policy is to improve, clarify, update and provide application guidance on the standards already produced and when appropriate, to produce new standards.

Many technical organizations are involved in the issues in which NPEC has an interest. In order to avoid conflicts, overlapping efforts and inefficient use of resources, NPEC has established liaison efforts with these organizations. Outside of IEEE, there are liaisons established with American National Standards Institute (ANSI), International Electrotechnical Commission (IEC), American Society of Mechanical Engineers (ASME), ISA, HFES, Electric Power Research Institute (EPRI), Institute of Nuclear Power Operations (INPO), Nuclear Energy Institute (NEI), Nuclear Information & Records Management Association (NIRMA), Department of Energy (DOE) and US Nuclear Regulatory Commission (NRC). Within IEEE, there are liaisons established with the Computer Society, the Nuclear Plasma Sciences Society, and the Reliability Society. Within PES, there are liaisons established with other Technical Committees.

See <http://grouper.ieee.org/groups/npec/index.html>

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Joint Work with IEC

IEC/IEEE Dual Logo Agreement

- Original agreement signed 2002, enabling adoption of approved IEEE standards by IEC
- IEC national members have same rights regarding adoptions as with other IEC standards
- Maintenance procedure established in 2007 allows IEC and IEEE to form joint maintenance teams to revise standards adopted by IEC
- Joint Development amendment to agreement in 2008 enables IEC and IEEE to work collaboratively to jointly develop new standards or revise existing IEC or IEEE standards; joint copyright and distribution rights



Joint Standards and Projects between IEEE NPEC Equipment Qualifications Subcommittee (SC-2) and IEC SC 45A Instrumentation, Control and Electrical Systems of Nuclear Facilities

Approved Standards

62582-1	2011	Nuclear power plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods – Part 1: General
62582-2	2011	Nuclear power plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods – Part 2: Indenter modulus
62582-4	2011	Nuclear power plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods – Part 4: Oxidation induction techniques
62582-3	2012	Nuclear Power Plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods – Part 3: Elongation at break

Projects Under Development

P62582-5	New	Nuclear Power Plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods Part 5: Optical time domain reflectometry
P60780-323	Revision	Qualification of Electrical Equipment Important to Safety for Nuclear Facilities
P62582-2-am1	Amendment	Nuclear Power Plants - Instrumentation and Control Important to Safety - Electrical Equipment Condition Monitoring Methods - Part 2: Indenter Modulus Amendment 1

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Geographic Distribution of IEEE NPEC Membership

- Austria
- Canada
- China
- Czech Republic
- Germany
- Japan
- Russia
- Saudi Arabia
- Slovenia
- South Korea
- Sweden
- United States of America

Activities in China

MOU between IEEE and SNPTC

- SNPTC and IEEE agree to have an educational exchange program on nuclear Equipment Qualification
 - Nuclear Power Equipment Qualification Standards Academic Application Seminar was held by the State Nuclear Power Equipment & Material Qualification and Consultation Center (SNEQC), a subsidiary of SNPTC from 16-17 June 2014. IEEE NPEC experts contributed.
- IEEE will help SNPTC to understand NPEC standards while SNPTC will promote NPEC standard application and development in China



Activities in Korea

MOU between IEEE and Korea Electric Association (KEA)

- IEEE has participated in KEA's KEPIC conference for 5 years
 - KEPIC 2013: Aug 2013, South Korea. Special Education Session on IEEE NPEC Standards: IEEE 323.
 - KEPIC 2014: Aug 2014, South Korea. Special Education Session on IEEE NPEC Standards: IEEE 383.
- KEA adopts, translates and distributes select IEEE standards to their membership



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IEEE Standards Adopted by Korea Electric Association

IEEE Standards Adopted by Korea Electric Association		
IEEE 279	1971	IEEE Standard Criteria for Protection Systems for Nuclear Power Generating Stations (inactive)
IEEE 308	2001	IEEE Standard Criteria for Class 1E Power Systems for Nuclear Power Generating Stations (inactive)
IEEE 317	1983	IEEE Standard for Electric Penetration Assemblies in Containment Structures for Nuclear Power Generating Stations
IEEE 323	2003	IEEE Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations
IEEE 334	2006	IEEE Standard for Qualifying Continuous Duty Class 1E Motors for Nuclear Power Generating Stations
IEEE 336	2005	IEEE Guide for Installation, Inspection, and Testing for Class 1E Power, Instrumentation, and Control Equipment at Nuclear Facilities (inactive)
IEEE 338	2006	IEEE Standard Criteria for Periodic Surveillance Testing of Nuclear Power Generating Station Safety Systems (inactive)
IEEE 344	2004	IEEE Recommended Practice for Seismic Qualification of Class 1E Equipment for Nuclear Power Generating Stations
IEEE 352	1987	IEEE Guide for General Principles of Reliability Analysis of Nuclear Power Generating Station Safety Systems
IEEE 379	2000	IEEE Standard Application of the Single-Failure Criterion to Nuclear Power Generating Safety Systems
IEEE 381	1977	IEEE Standard Criteria for Type Tests of Class 1E Modules Used in Nuclear Power Generating Stations (inactive)
IEEE 382	2006	IEEE Standard for Qualification of Safety-Related Actuators for Nuclear Power Generating Stations
IEEE 383	2003	IEEE Standard for Qualifying Class 1E Electric Cables and Field Splices for Nuclear Power Generating Stations
IEEE 384	2008	IEEE Standard Criteria for Independence of Class 1E Equipment and Circuits
IEEE 387	1995	IEEE Standard Criteria for Diesel-Generator Units Applied as Standby Power Supplies for Nuclear Power Generating Stations
IEEE 400	2001	IEEE Guide for Field Testing and Evaluation of the Insulation of Shielded Power Cable Systems (inactive)
IEEE 415	1986	IEEE Guide for Planning of Preoperational Testing Programs for Class 1E Power Systems for Nuclear Power Generating Stations (inactive)
IEEE 420	2001	IEEE Standard for the Design and Qualification of Class 1E Control Boards, Panels and Racks Used in Nuclear Power Generating Stations
IEEE 494	1974	IEEE Standard Method for Identification of Documents Related to Class 1E Equipment and Systems for Nuclear Power Generating Stations (inactive)
IEEE 497	2002	IEEE Standard Criteria for Accident Monitoring Instrumentation for Nuclear Generating Stations (inactive)
IEEE 498	1990	IEEE Standard Requirements for the Calibration and Control of Measuring and Test Equipment Used in Nuclear Facilities (inactive)
IEEE 572	2006	IEEE Standard for Qualification of Class 1E Connection Assemblies for Nuclear Power Generating Stations
IEEE 577	2004	IEEE Standard Requirements for Reliability Analysis in the Design and Operation of Safety Systems for Nuclear Facilities (inactive)
IEEE 600	1983	IEEE Trial-Use Standard Requirements for Organizations that Conduct Qualification Testing of Safety Systems Equipment for Use in Nuclear Power Generating Stations (inactive)
IEEE 603	1998	IEEE Standard Criteria for Safety Systems for Nuclear Power Generating Stations (inactive)
IEEE 627	1980	IEEE Standard for Design Qualification of Safety Systems Equipment Used in Nuclear Power Generating Stations (inactive)
IEEE 628	2001	IEEE Standard for the Design, Installation and Qualification of Raceway Systems for Class 1E Circuits for Nuclear Power Generating Stations (inactive)
IEEE 649	2006	IEEE Standard for Qualifying Class 1E Motor Control Centers for Nuclear Power Generating Stations
IEEE 650	2006	IEEE Standard for Qualification of Class 1E Static Battery Chargers and Inverters for Nuclear Power Generating Stations
IEEE 741	2007	IEEE Standard for Criteria for the Protection of Class 1E Power Systems and Equipment in Nuclear Power Generating Stations
IEEE 765	2006	IEEE Standard for Preferred Power Supply (PPS) for Nuclear Power Generating Stations (inactive)
IEEE 833	2005	IEEE Recommended Practice for the Protection of Electric Equipment in Nuclear Power Generating Stations from Water Hazards
IEEE 934	1987	IEEE Standard Requirements for Replacement Parts for Class 1E Equipment in Nuclear Power Generating Stations (inactive)
IEEE 1023	2004	IEEE Recommended Practice for the Application of Human Factors Engineering to Systems, Equipment, and Facilities of Nuclear Power Generation Stations and Other Nuclear Facilities

Fact Sheet for IEEE Nuclear Power Engineering Committee (NPEC)

IEEE Working Groups by Subcommittee (SC)

IEEE NPEC SC-2 Working Groups

IEEE Working Group	IEEE Standard
WG 2.1 – Equipment Qualification	IEEE Std 323
WG 2.2 – Qualification of Motors	IEEE Std 334
WG 2.3 – Qualification of Actuators	IEEE Std 382
WG 2.4 – Cables and Splices	IEEE Std 383
WG 2.5 – Seismic Qualification	IEEE Std 344
WG 2.10 – Qualification of Safety Equipment	IEEE Std 627
WG 2.11 – Connectors	IEEE Std 572
WG 2.13 – Battery Chargers/Inverters	IEEE Std 650
WG 2.14 – Motor Control Centers	IEEE Std 649
WG 2.15 – Qualification of Fiber Optic Cables	IEEE P1682

IEEE NPEC SC-3 Working Groups

IEEE Working Group	IEEE Standard
WG 3.1 – Testing	IEEE Std 336 IEEE Std 338 IEEE P1819
WG 3.2 – Security Systems	IEEE Std 692
WG 3.3 – Reliability	IEEE Std 352 IEEE Std 577 IEEE Std 933
WG 3.4 – Aging Assessment	IEEE Std 1205

IEEE NPEC SC-4 Working Groups

IEEE Working Group	IEEE Standard
WG 4.1 – Class 1E Power Systems	IEEE Std 308
WG 4.2 – Standby Power Supply	IEEE Std 387
WG 4.3 – Electric Penetration Assemblies	IEEE Std 317
WG 4.4 – Motor Operated Valve (MOV) Motors	IEEE Std 1290
WG 4.5 – Cable Systems	IEEE Std 690
WG 4.6 – Preferred Power Supply	IEEE Std 765 IEEE Std 1792
WG 4.7 – Protection of Class 1E Power Systems	IEEE Std 741 IEEE Std 742
WG 4.8 – Protection of Electric Equipment from Waste Hazards	IEEE Std 833
WG 4.9 – Raceway Systems	IEEE Std 628

IEEE NPEC SC-5 Working Groups

IEEE Working Group	IEEE Standard
WG 5.1 – Human Factors Applications and Methods	IEEE Std 845 IEEE Std 1023 IEEE Std 1289
WG 5.2 – Human Factors International Conference	
WG 5.3 – Nuclear Risk Management and Reliability	IEEE Std 352 IEEE Std 577 IEEE Std 933 IEEE P1586
WG 5.4 – Human Reliability Analysis	IEEE Std 1082 IEEE P1574
WG 5.5 – Lessons Learned	IEEE P1587

IEEE NPEC SC-6 Working Groups

IEEE Working Group	IEEE Standard
WG 6.1 – Accident Monitoring Instrumentation	IEEE Std 497
WG 6.3 - Safety Systems and Single-Failure Criterion	IEEE Std 379 IEEE Std 603
WG 6.4 – Computer Systems (Hardware and/or Software in Safety Systems)	IEEE Std 7-4.3.2
WG 6.5 - Independence Criteria and Design of Control Boards, Panels, and Racks	IEEE Std 384 IEEE Std 420 IEEE Std 622
WG 6.6 – Intelligent Digital Devices	IEEE Standard in Development

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List of IEEE NPEC Standards/Projects

Approved Standards of IEEE NPEC

IEEE 690	2004	IEEE Standard for the Design and Installation of Cable Systems for Class 1E Circuits in Nuclear Power Generating Stations
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Standards and Projects of IEEE NPEC SC-2

IEEE 323	2003	IEEE Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations
IEEE 383	2003	IEEE Standard for Qualifying Class 1E Electric Cables and Field Splices for Nuclear Power Generating Stations
IEEE 334	2006	IEEE Standard for Qualifying Continuous Duty Class 1E Motors for Nuclear Power Generating Stations
IEEE 382	2006	IEEE Standard for Qualification of Safety-Related Actuators for Nuclear Power Generating Stations
IEEE 572	2006	IEEE Standard for Qualification of Class 1E Connection Assemblies for Nuclear Power Generating Stations
IEEE 649	2006	IEEE Standard for Qualifying Class 1E Motor Control Centers for Nuclear Power Generating Stations
IEEE 650	2006	IEEE Standard for Qualification of Class 1E Static Battery Chargers and Inverters for Nuclear Power Generating Stations
IEEE 627	2010	IEEE Standard for Qualification of Equipment Used in Nuclear Facilities
IEEE 1682	2011	IEEE Standard for Qualifying Fiber Optic Cables, Connections, and Optical Fiber Splices for Use in Safety Systems in Nuclear Power Generating Stations
IEEE 344	2013	IEEE Standard for Seismic Qualification of Equipment for Nuclear Power Generating Stations
IEEE P323	Revision	IEEE Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations
IEEE P383	Revision	Standard for Qualifying Electric Cables and Splices for Nuclear Facilities
IEEE P650	Revision	Standard for Qualification of Class 1E Static Battery Chargers, Inverters and Uninterruptible Power Supply (UPS) Systems for Nuclear Power Generating Stations

Standards and Projects of IEEE NPEC SC-3

IEEE 352	1987	IEEE Guide for General Principles of Reliability Analysis of Nuclear Power Generating Station Safety Systems
IEEE 336	2010	IEEE Recommended Practice for Installation, Inspection, and Testing for Class 1E Power, Instrumentation, and Control Equipment at Nuclear Facilities
IEEE 338	2012	IEEE Standard for Criteria for the Periodic Surveillance Testing of Nuclear Power Generating Station Safety
IEEE 577	2012	IEEE Standard Requirements for Reliability Analysis in the Design and Operation of Safety Systems for Nuclear Power Generating Stations
IEEE 692	2013	IEEE Standard for Criteria for Security Systems for Nuclear Power Generating Stations
IEEE 933	2013	IEEE Guide for the Definition of Reliability Program Plans for Nuclear Generating Stations and Other Nuclear Facilities
IEEE 1205	2014	IEEE Guide for Assessing, Monitoring, and Mitigating Aging Effects on Electrical Equipment Used in Nuclear Power Generating Stations and Other Nuclear Facilities
IEEE P1819	New	Standard for Risk-Informed Categorization and Treatment of Electrical and Electronic Equipment at Nuclear Power Generating Stations and Other Nuclear Facilities
IEEE P692a	Amendment	Standard Criteria for Security Systems for Nuclear Power Generating Stations Amendment a: Alignment with Recent Industry Security Approach Changes
IEEE P352	Revision	Guide for General Principles of Reliability Analysis of Nuclear Power Generating Station Systems and Other Nuclear Facilities

Standards and Projects of IEEE NPEC SC-4

IEEE 387	1995	IEEE Standard Criteria for Diesel-Generator Units Applied as Standby Power Supplies for Nuclear Power Generating Stations
IEEE 1290	1996	IEEE Guide for Motor Operated Valve (MOV) Motor Application, Protection, Control, and Testing in Nuclear Power Generating Stations

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IEEE 833	2005	Recommended Practice for the Protection of Electric Equipment in Nuclear Power Generating Stations from Water Hazards
IEEE 741	2007	IEEE Standard Criteria for the Protection of Class 1E Power Systems and Equipment in Nuclear Power Generating Stations
IEEE 628	2011	IEEE Standard Criteria for the Design, Installation, and Qualification of Raceway Systems for Class 1E Circuits for Nuclear Power Generating Stations
IEEE 1792	2011	IEEE Recommended Practice for Nuclear Power Generating Station (NPGS) Preferred Power Supply (PPS) Reliability
IEEE 308	2012	IEEE Standard Criteria for Class 1E Power Systems for Nuclear Power Generating Stations
IEEE 765	2012	IEEE Standard for Preferred Power Supply (PPS) for Nuclear Power Generating Stations
IEEE 317	2013	IEEE Standard for Electric Penetration Assemblies in Containment Structures for Nuclear Power Generating Stations
IEEE P742	New	Standard for Bus Voltage Monitoring of the Class 1E Power Systems in Nuclear Power Generating Stations (NPGS)
IEEE P387	Revision	Standard Criteria for Diesel-Generator Units Applied as Standby Power Supplies for Nuclear Power Generating Stations
IEEE P690	Revision	Standard for the Design and Installation of Cable Systems for Class 1E Circuits in Nuclear Power Generating Stations
IEEE P741	Revision	IEEE Standard Criteria for the Protection of Class 1E Power Systems and Equipment in Nuclear Power Generating Stations
IEEE P1290	Revision	Guide for Motor Operated Valve (MOV) Motor Application, Protection, Control, and Testing in Nuclear Power Generating Stations
IEEE P1792	Revision	Recommended Practice for Nuclear Power Generating Station (NPGS) Preferred Power Supply (PPS) Reliability

Standards and Projects of IEEE NPEC SC-5

IEEE 1082	1997	Guide for Incorporating Human Action Reliability Analysis for Nuclear Power Generating Stations
IEEE 1289	1998	IEEE Guide for the Application of Human Factors Engineering in the Design of Computer-Based Monitoring and Control Displays for Nuclear Power Generating Stations
IEEE 845	1999	IEEE Guide for the Evaluation of Human-System Performance in Nuclear Power Generating Stations
IEEE 1023	2004	IEEE Recommended Practice for the Application of Human Factors Engineering to Systems, Equipment, and Facilities of Nuclear Power Generating Stations and Other Nuclear Facilities
IEEE 1786	2011	IEEE Guide for Human Factors Applications of Computerized Operating Procedure Systems (COPS) at Nuclear Power Generating Stations and Other Nuclear Facilities
IEEE P1707	New	Recommended Practice for the Investigation of Events at Nuclear Facilities
IEEE P2411	New	Human Factors Engineering Guide for the Validation of System Designs and Integrated Systems Operations at Nuclear Facilities
IEEE P1082	Revision	Guide for Incorporating Human Reliability Analysis into Probabilistic Risk Assessments for Nuclear Power Generating Stations and other Nuclear Facilities

Standards and Projects of IEEE NPEC SC-6

IEEE 622	1987	IEEE Recommended Practice for the Design and Installation of Electric Heat Tracing Systems for Nuclear Power Generating Systems
IEEE 384	2008	IEEE Standard Criteria for Independence of Class 1E Equipment and Circuits
IEEE 603	2009	IEEE Standard Criteria for Safety Systems for Nuclear Power Generating Stations
IEEE 7-4.3.2	2010	IEEE Standard Criteria for Digital Computers in Safety Systems of Nuclear Power Generating Stations
IEEE 497	2010	IEEE Standard Criteria for Accident Monitoring Instrumentation for Nuclear Power Generating Stations
IEEE 420	2013	IEEE Standard for the Design and Qualification of Class 1E Control Boards, Panels, and Racks Used in Nuclear Power Generating Stations
IEEE 379	2014	IEEE Standard for Application of the Single-Failure Criterion to Nuclear Power Generating Station Safety Systems
IEEE P1891	New	Standard Criteria for Application of Intelligent Digital Devices to Nuclear Power Generating Stations
IEEE P497	Revision	Standard Criteria for Accident Monitoring Instrumentation for Nuclear Power Generating Stations
IEEE P7-4.3.2	Revision	Standard Criteria for Programmable Digital Devices in Safety Systems of Nuclear Power Generating Stations

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IEEE Standards in IAEA Safety Report Series 3*

Standard	Edition	Title
IEEE 334	1994	Standard for Qualification of Continuous Duty 1E Motors for Nuclear Power Generating Stations
IEEE 344	1987	Recommended Practice for Seismic Qualification of Class 1E Equipment for Nuclear Power Generating Stations
IEEE 627	1980	Design Qualification of Safety Systems Equipment Used in Nuclear Generating Stations
IEEE 317	1972	Standard for Electrical Penetration Assemblies in Containment Structures for Nuclear Power Generating Stations

*Equipment Qualification in Operational Nuclear Power Plants: Upgrading Preserving & Reviewing 1998
http://www-pub.iaea.org/MTCD/publications/PDF/P052_scr.pdf

IEEE Standards Incorporated by NRC

<https://standards.gov/sibr/query/index.cfm>

Standard	Edition	Title	CFR Location
IEEE 279	NDG	Criteria for Protection Systems for Nuclear Generating Stations	10 CFR 50.55a(h)(2)
IEEE 603	1991	Standard Criteria for Safety Systems for Nuclear Power Generating Stations	10 CFR 50.55a(h)(2)
IEEE 603	1991	Standard Criteria for Safety Systems for Nuclear Power Generating Systems	10 CFR 50.55a(h)(3)
IEEE 803	1983	Recommended Practice for Unique Identification in Power Plants and Related Facilities	10 CFR 50.73(b)(2)(ii)(F)(1)

IEEE Standards for Batteries in Nuclear Service Endorsed by NRC through Regulatory Guidelines

Standard	Title
IEEE 485	IEEE Recommended Practice for Sizing Lead-Acid Batteries for Stationary Applications
IEEE 450	IEEE Recommended Practice for Maintenance, Testing, and Replacement of Vented Lead-Acid Batteries for Stationary Applications
IEEE 484	IEEE Recommended Practice for Installation Design and Installation of Vented Lead-Acid Batteries for Stationary Applications
IEEE 535	IEEE Standard for Qualification of Class 1E Vented Lead Acid Storage Batteries for Nuclear Power Generating Stations

IEEE Stationary Batteries Committee of IEEE Power & Energy Society

Fact Sheet for IEEE Nuclear Power Engineering Committee (NPEC)

IEEE

IEEE, a large, global technical professional organization, is dedicated to advancing technology for the benefit of humanity. Through its highly cited publications, conferences, technology standards, and professional and educational activities, IEEE is the trusted voice on a wide variety of areas ranging from aerospace systems, computers and telecommunications to biomedical engineering, electric power and consumer electronics. Learn more at www.ieee.org

IEEE Standards Association

The IEEE Standards Association, a globally recognized standards-setting body within IEEE, develops consensus standards through an open process that engages industry and brings together a broad stakeholder community. IEEE standards set specifications and best practices based on current scientific and technological knowledge. The IEEE-SA has a portfolio of over 900 active standards and more than 500 standards under development. For more information visit the IEEE-SA Web site at www.standards.ieee.org.