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**DOE-TSL-4-2006**

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**Supceding**

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**May 1999**

## **DOE TECHNICAL STANDARDS LIST**

**DIRECTORY OF DOE AND CONTRACTOR  
PERSONNEL INVOLVED IN NON-  
GOVERNMENT STANDARDS ACTIVITIES**



**U.S. Department of Energy  
Washington, D.C. 20585**

**AREA SDMP**

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**DOE-TSL-4-2006**

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## 1. GENERAL GUIDANCE

1.1 Purpose. Public Law (PL) 104-113 [15 USC 272(b), March 7, 1996], The National Technology Transfer and Advancement Act of 1995, and Office of Management and Budget (OMB) Circular A-119 (OMB A-119), *Federal Participation in the Development and Use of Voluntary Consensus Standards and in Conformity Assessment Activities*, describe the policy of the Federal Government regarding (a) adoption and use of voluntary (i.e., non-Government) standards in lieu of developing Government (i.e., DOE) standards, and (b) participation of Government employees in the activities of non-Government standards bodies. The policy outlined in PL 104-113 and OMB A-119 is reflected in DOE Order 252.1, Technical Standards Program. As discussed in DOE O 252.1, participation by Department employees and contractors in the activities on non-Government standards bodies is encouraged. DOE participation in the standards-related activities of non-Government standards bodies provides incentives and opportunities to establish standards that serve national needs. Adoption and use of non-Government standards, where appropriate, eliminates the costs associated with developing DOE standards.

PL 104-113 and OMB A-119 require DOE and other Federal agencies to provide periodic reports on agency participation in non-Government standards activities. This technical standards list (TSL) is intended to assist DOE management and other personnel involved in the DOE Technical Standards Program by identifying those participating individuals.

1.2 Information included in this TSL. The body of this document contains a listing of DOE employees and DOE contractors who have submitted form DOE F 1300.2, Record of Non-Government Standards Activity, or similar suitable notification. The URL where form DOE F 1300.2 may be found is provided at the end of this document. Additional names were added from rosters supplied by non-Government standards bodies. The committees or governing bodies in which the person participates is listed after each name. An asterisk (\*) preceding the committee notation indicates that the person has identified himself or herself as the DOE representative on that committee. Appendices to this document are also provided to sort the information by the parent employment organization, by non-Government standards activity, and

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by the proper names of the non-Government standards organizations and committees. DOE employees and contractors listed in this TSL are those recorded as of July 1, 2006.

Additions or corrections to the information provided in this TSL may be submitted to the Technical Standards Program Office by completing form DOE F 1300.2. Suggestions for improvement to the format and contents of this TSL may be submitted to the technical Standards Program Office by completing form DOE F 1300.3, Document Improvement Proposal. The URL where this form may be found is also provided at the end of this document.

## **2. KEY WORD LISTING**

The following listing of key words is provided to assist with locating this document by electronic retrieval searches:

Non-Government standards body  
DOE representative  
point of contact  
committee  
participation

## **3. ANALYSIS**

As of July 1, 2006, the participation of 487 DOE and contractor personnel in 73 voluntary (i.e., non-Government) standards developing organizations has been recorded. Table 1 shows a comparison of the number of participants among DOE organizations. This involvement in non-Government standards activities encompasses 956 committees with 1100 participations on these committees. Table 2 shows the overall level of participations decreasing from 1311 in 1999 to 1100 in 2006. A breakdown of the number of participations by voluntary standards developing organization is reflected in Table 3. The 11 organizations listed in the table account for 76 percent of the total number of DOE participants. More specifically, 44 percent of participants recorded as of July 1, 2006, involve the American Society of Testing and Materials (ASTM), the American Society of Mechanical Engineers (ASME), and the Institute of Electrical and Electronics Engineers (IEEE).

Table 1. Participants by DOE Organization

<b>DOE Organization</b>	<b>Number of Participants (1999)</b>	<b>Number of Participants (2006)</b>
<b>Westinghouse Savannah River Company</b>	<b>63</b>	<b>65</b>
<b>Oak Ridge National Laboratory</b>	<b>79</b>	<b>43</b>
<b>Sandia National Laboratories</b>	<b>80</b>	<b>67</b>
<b>U.S. Department of Energy (HQ)</b>	<b>54</b>	<b>22</b>
<b>Lockheed Martin Energy Systems*</b>	<b>26</b>	<b>24</b>
<b>Lockheed Martin Idaho Technologies**</b>	<b>41</b>	<b>26</b>
<b>Pacific Northwest National Laboratory</b>	<b>34</b>	<b>49</b>
<b>Lawrence Livermore National Laboratory</b>	<b>30</b>	<b>12</b>
<b>Argonne National Laboratory</b>	<b>227</b>	<b>7</b>
<b>Los Alamos National Laboratory</b>	<b>23</b>	<b>5</b>
<b>Bonneville Power Administration</b>	<b>20</b>	<b>6</b>
<b>Western Area Power Administration</b>	<b>16</b>	<b>8</b>
<b>Allied Signal FM&amp;T</b>	<b>13</b>	<b>11</b>
<b>Lawrence Berkeley National Laboratory</b>	<b>13</b>	<b>7</b>
<b>Brookhaven National Laboratory</b>	<b>11</b>	<b>2</b>
<b>National Renewable Energy Laboratory</b>	<b>10</b>	<b>4</b>
<b>Other</b>	<b>133</b>	<b>129</b>
<b>TOTAL</b>	<b>673</b>	<b>487</b>

\* Lockheed Martin Energy Systems becomes BWXT Y-12 in 2006

\*\* Lockheed Martin Idaho Technologies becomes Bechtel BWXT Idaho, LLC in 2006

**Table 2. DOE and Contractor Personnel Involvement in Non-Government Standards Activities**

	1998	1999	2006
Number of personnel involved in NGS activities	716	673	487
Number of NGS organizations represented	65	59	73
Number of NGS committees on which memberships were held	884	852	956
Number of NGS committee participations	1406	1311	1100

**Table 3. Participations by NGS Organization**

NGS Organization	Number of Participations (1999)	Number of Participations (2006)
American Society for Testing and Materials (ASTM)	355	253
American Society of Mechanical Engineers (ASME)	241	138
Institute of Electrical and Electronic Engineers (IEEE)	127	95
National Council on Radiation Protection and Measurements (NCRP)	71	19
American Nuclear Society (ANS)	62	125
National Fire Protection Association (NFPA)	59	89
American Concrete Institute (ACI)	34	21
American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE)	42	24
Institute of Nuclear Materials Management (INMM)	34	5
International Organization for Standardization (ISO)	34	41
Health Physics Society (HPS)	29	21
Other	223	269
<b>TOTAL</b>	<b>1311</b>	<b>1100</b>

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Donald J. Spellman

**APPENDIX B**  
**NGS Activity and Participating Personnel**

**ANS-24**

Donald J. Spellman

**ANS-25**

Donald J. Spellman

**ANS-25SC**

Clifford S. Glantz

**ANS-26**

Donald J. Spellman

**ANS-26SC**

Clifford S. Glantz

**ANS-27**

John N. Dewes  
Donald J. Spellman

**ANS-28**

Donald J. Spellman

**ANS-3.11**

Carl Mazzola  
Darryl Randerson  
Bradley J. Schrader

**ANS-3.18.10WG**

Clifford S. Glantz

**ANS-5.1**

Michaele C. Brady Raap  
Ian Gauld

**ANS-6**

Steven J. Nathan  
R. Mike Westfall

**ANS-6.6.1**

Steven J. Nathan  
John C. Wagner

**ANS-8**

Debdas Biswas  
Jack S. Bullington  
Gerard F. Couture  
Adolf S. Garcia  
Calvin M. Hopper  
Jeffrey S. Philbin  
Davis Allan Reed  
Raymond L. Reed  
Thomas A. Reilly  
John A. Schlessler  
Hans Toffer  
Edward F. Trumble

**ANS-8.1**

Adolf S. Garcia  
Calvin M. Hopper  
Donald E Mueller

**ANS-8.12**

Debdas Biswas  
Lester M. Petrie  
Burton Rothleder

**ANS-8.14**

\* Robert C. McBroom  
Thomas A. Reilly

**ANS-8.15**

R. Mike Westfall  
Kenneth R. Yates

**ANS-8.17**

Cecil V. Parks

**ANS-8.20**

Calvin M. Hopper  
Valerie L. Putman  
Davis Allan Reed

**ANS-8.21**

Davis Allan Reed  
Hans Toffer

**APPENDIX B**  
**NGS Activity and Participating Personnel**

**ANS-8.22**

Jack S. Bullington  
\* Robert C. McBroom  
Burton Rothleder

**ANS-8.23**

Calvin M. Hopper  
\* Valerie L. Putman  
Raymond L. Reed

**ANS-8.24**

Kevin J. Carroll  
Kenneth D. Dobbin  
Cecil V. Parks  
Burton Rothleder  
Kevin N. Schwinkendorf  
Edward F. Trumble

**ANS-8.25**

Gerard F. Couture

**ANS-8.26**

Kevin J. Carroll  
Calvin M. Hopper  
Jerry N. McKamy  
Edward F. Trumble

**ANS-8.27**

Michaele C. Brady Raap  
Cecil V. Parks

**ANS-8.3**

Debdas Biswas  
F. Edward Kendall  
Jeffrey S. Philbin  
\* Valerie L. Putman  
Davis Allan Reed

**ANS-8.6**

Timothy E. Valentine

**ANS-8.7**

Calvin M. Hopper  
F. Edward Kendall  
Jeffrey S. Philbin  
Hans Toffer

**ANSI**

Bruce L. Cox  
Kenneth D. Watts

**ANSI/ANS-N23SC**

Saleem R. Salaymeh

**ANSI/ANS-WG41.5**

Saleem R. Salaymeh

**ANSI/ASSE A10**

\* Patrick F. Finn

**ANSI-HSSP**

Robert J. White

**ANSI-IC-AC**

\* Gustave E. (Bud) Danielson

**ANSI-N13**

Brent C. Blunt  
Frederick M. Cummings  
Norris D. Johnson  
Michelle L. Johnson  
Timothy P. Lynch

**ANSI-N13.1**

Brent C. Blunt  
\* Frederick M. Cummings  
John A. Glissmeyer

**ANSI-N13.30**

\* Tansy L. Taylor

**ANSI-N13.35**

Timothy P. Lynch

**ANSI-N13.48**

\* Norris D. Johnson

**ANSI-N13.49**

Timothy J. Vitkus

**ANSI-N13.59**

Eric W. Abelquist  
Nancy L. Hassig

**APPENDIX B**  
**NGS Activity and Participating Personnel**

**ANSI-N13.61**

Brent C. Blunt

**ANSI-N13-SCI**

Michelle L. Johnson

**ANSI-N14**

\* Ashok K. Kapoor  
Arpad L. Lengyel  
Richard R. Rawl

**ANSI-N14.1**

Richard R. Rawl

**ANSI-N14.2**

Kenneth W. Gwinn

**ANSI-N14.23**

Kenneth W. Gwinn

**ANSI-N14.30**

Kenneth W. Gwinn

**ANSI-N14.32**

Larry E. Fischer  
\* Ashok K. Kapoor

**ANSI-N14.33**

Arpad L. Lengyel

**ANSI-N14.35**

John C. Wagner

**ANSI-N14.6**

Erich K. Opperman

**ANSI-N14.6SCSLD**

Erich K. Opperman

**ANSI-N14.7**

Richard R. Rawl

**ANSI-N15**

Carrie E. Mathews

**ANSI-N323C**

Brent C. Blunt  
Michael S. Ford  
\* Michelle L. Johnson

**ANSI-N42**

Michael S. Ford  
Robert J. Gehrke  
Michelle L. Johnson  
Judson L. Kenoyer  
Kathryn H. Pryor

**ANSI-N42.1**

Judson L. Kenoyer

**ANSI-N42.14**

Robert J. Gehrke

**ANSI-N42.17A1**

\* Michelle L. Johnson

**ANSI-N42.18**

Michael S. Ford

**ANSI-N42.28**

Robert J. Gehrke

**ANSI-N42.317**

Kathryn H. Pryor

**ANSI-N42.32**

Michelle L. Johnson

**ANSI-N42.32-2003**

Jeffrey A. Chapman

**ANSI-N42.33-2003**

Jeffrey A. Chapman

**ANSI-N42.34-2003**

Jeffrey A. Chapman

**ANSI-N42.35-2004**

Jeffrey A. Chapman

**ANSI-N42.37 (Draft)**

Jeffrey A. Chapman

**APPENDIX B**  
**NGS Activity and Participating Personnel**

**ANSI-N43.4**

Laurence E. Auman  
Gary A. LaBruyere

**ANSI-NTAG**

George F. Flanagan  
Donald J. Spellman  
R. Mike Westfall

**ANSI-SRW Standards Committee**

Alan T. Stadler

**ANSI-Z1**

Larry G. Blackwood

**ANSI-Z1-SCSTAT**

Larry G. Blackwood

**ANSI-Z88.2**

Mark W. Haskew

**ANS-N16**

Debdas Biswas  
Jack S. Bullington  
Gerard F. Couture  
Calvin M. Hopper  
Raymond L. Reed  
Thomas A. Reilly  
\* Burton Rothleder  
John A. Schlessler  
R. Mike Westfall

**ANS-N16.8.24**

Andrew W. Prichard

**ANS-N17**

\* Steven S. Payne  
Andrew O. Smetana  
Edmond G. Tourigny

**ANS-NFSC**

Donald J. Spellman

**ANS-RISC**

Allen L. Camp  
Donnie W. Whitehead

**ANS-SC8**

Adolf S. Garcia

**ANS-SSC**

Allen L. Camp

**ASCE**

Gerald Sehlke

**ASCE-MAN74**

Terry G. Burley

**ASCE-SS**

P. Jeffrey Wang

**ASCE-SS-CA&RB-SRB**

\* V. Gopinath  
\* Roy Joy Hunt

**ASCE-SS-DSTPS**

\* Bobby G. Hagler  
\* Leon Kempner

**ASCE-SS-DSTT**

\* Charles Garcia  
\* Leon Kempner

**ASCE-ST-DE-DANS**

Greg E. Mertz  
Michael E. Nitzel  
Mark J. Russell

**ASCE-ST-SDI-ETS-SCDSS**

\* Terry G. Burley

**ASHRAE**

Ronald E. Jarnagin  
James D. Lutz

**ASHRAE-SC**

Mark P. Modera

**ASHRAE-SPC090.1**

\* Eric E. Richman

**APPENDIX B**  
**NGS Activity and Participating Personnel**

**ASHRAE-SPC100P**

\* J. Michael MacDonald

**ASHRAE-SPC140P**

Ronald D. Judkoff

**ASHRAE-SPC146P**

\* Cyrus H. Nasseri

**ASHRAE-SPC189P**

Van D. Baxter

**ASHRAE-SSPC62.1**

Max H. Sherman

**ASHRAE-SSPC62.2**

Max H. Sherman

**ASHRAE-SSPC90.1**

Van D. Baxter

\* David W. Winiarski

**ASHRAE-TC1.2**

B. Ronald Moncrief

**ASHRAE-TC4.3**

Max H. Sherman

**ASHRAE-TC4.7**

Ronald D. Judkoff

**ASHRAE-TC6.3**

\* Cyrus H. Nasseri

**ASHRAE-TC6.3-JTC103**

\* Cyrus H. Nasseri

**ASHRAE-TC6.7**

David F. Menicucci

Earl E. Rush, Jr.

**ASHRAE-TC9.2**

\* Douglass S. Abramson

B. Ronald Moncrief

Kevin R. Scaggs

Ashok B. Shah

**ASHRAE-TC9.2SUBNV**

\* Douglass S. Abramson

**ASME**

Jerry H. Phillips

**ASME III Nuclear Committee SG-GR**

William K. Sowder

**ASME-B89**

Alan M. Smelcer

**ASME-B89.4**

Alan M. Smelcer

**ASME-B89.4.11**

Alan M. Smelcer

**ASME-B89.4.15**

Alan M. Smelcer

**ASME-B89.4.20**

Alan M. Smelcer

**ASME-B89.7**

Alan M. Smelcer

**ASME-B89.7.3**

Alan M. Smelcer

**ASME-BNCS**

William K. Sowder

**ASME-C36000000**

Ronald Hanshaw

**ASME-C36062300**

W. T. McKeethan

**ASME-C36080800**

Kenneth L. Blaedel

**ASME-C36101000**

Jon M. Baldwin

William Horton Rasnick



**APPENDIX B**  
**NGS Activity and Participating Personnel**

**ASME-C36101300**

Ronald Hanshaw

**ASME-C36101700**

Kenneth L. Blaedel

**ASME-C36102000**

Ronald Hanshaw

**ASME-C36120000**

Kenneth L. Blaedel

**ASME-C36120300**

Kenneth L. Blaedel

**ASME-C36120400**

Kenneth L. Blaedel

**ASME-C64000000**

Bruce L. Nielsen

Karl E. Wiegandt

**ASME-C64000200**

Karl E. Wiegandt

**ASME-C64020000**

Bruce L. Nielsen

**ASME-C64020500**

\* John E. Winconek

**ASME-C64041000**

Ted C. Miller

\* John E. Winconek

**ASME-C64046000**

Bruce L. Nielsen

**ASME-Committee on Operations and**

Norman B. Stockton

**ASME-HEC**

Ki C. Kwon

**ASME-HEC-CEC**

Ki C. Kwon

**ASME-L01201100**

Ray Pope

**ASME-N10010000**

George A. Antaki

**ASME-N10010300**

George A. Antaki

**ASME-N10020400**

Anthony P. Rangus

**ASME-N10020428**

Anthony P. Rangus

**ASME-N10021500**

George A. Antaki

**ASME-N10100000**

Christian A. Kot

**ASME-N10106000**

Dennis P. Roach

**ASME-N20000000**

Stephen R. Gosselin

Gregory K. Miller

George B. Rawls

Charles V. Robino

**ASME-N20001000**

Tze Yao Chu

**ASME-N20060000**

Randy K. Nanstad

**ASME-N20060600**

Charles V. Robino

**ASME-N20070000**

Robert M. Jessee

Robert I. Jetter

Gregory K. Miller

**ASME-N20070200**

Robert M. Jessee

**APPENDIX B**  
**NGS Activity and Participating Personnel**

**ASME-N20070320**

Gregory K. Miller

**ASME-N20070348**

Timothy D. Burchell

**ASME-N20070600**

Robert I. Jetter

**ASME-N20070700**

Dana Keith Morton  
\* Ken B. Sorenson  
Arthur D. Watkins

**ASME-N20070720**

Paul E. McConnell

**ASME-N20070730**

Robert E. Glass

**ASME-N20070740**

Robert M. Jessee

**ASME-N20080000**

Michael F. Hessheimer  
M. Bradley Parks

**ASME-N20080200**

M. Bradley Parks

**ASME-N20100600**

Robert M. Jessee

**ASME-N20110000**

George B. Rawls

**ASME-N20110300**

George B. Rawls

**ASME-N20120000**

Charles V. Robino

**ASME-N20120100**

Robert M. Jessee

**ASME-N20120200**

Robert M. Jessee

**ASME-N20120500**

Charles V. Robino

**ASME-N20140000**

Stephen R. Gosselin

**ASME-N20140200**

Chris E. Jensen

**ASME-N20140240**

Chris E. Jensen

**ASME-N20140250**

Fredric A. Simonen

**ASME-N20140260**

Dan Naus

**ASME-N20140605**

Stephen R. Gosselin  
Fredric A. Simonen

**ASME-N20140625**

Fredric A. Simonen

**ASME-N20140701**

Steven Doctor

**ASME-N20190000**

Robert I. Jetter

**ASME-N20190400**

\* James M. Corum  
Robert I. Jetter  
Saurindranth Majumdar

**ASME-N20190500**

Omesh K. Chopra  
Saurindranth Majumdar

**ASME-NQA-1**

\* Gustave E. (Bud) Danielson  
Terrance E. Dunn  
William K. Sowder

**ASME-NQA-1-SCSIA**

William K. Sowder

**APPENDIX B**  
**NGS Activity and Participating Personnel**

**ASME-O1000000**

Terrance E. Dunn  
Michael F. Hessheimer

**ASME-O1020000**

Clark Richard Hammond  
Joseph D. Paul  
Jerome B. Roberts

**ASME-O1022000**

Mark R. Hahn

**ASME-O1025000**

Joseph D. Paul  
Jerome B. Roberts

**ASME-O10252500**

Jerome B. Roberts

**ASME-O10270000**

Clark Richard Hammond

**ASME-O10272000**

Clark Richard Hammond

**ASME-O10300000**

Kevin G. Dewall  
Robert Scott Hartley

**ASME-O10310000**

Robert Scott Hartley

**ASME-O10312000**

Robert Scott Hartley

**ASME-O10500000**

John J. Connelly  
Keith A. Morrell  
Carl M. Schaumann  
Ron C. Schrotke  
Joseph R. Yanek

**ASME-O10520000**

David O. Lee

**ASME-O10546000**

Ron C. Schrotke

**ASME-O10551000**

Carl M. Schaumann  
Joseph R. Yanek

**ASME-O10553000**

Keith A. Morrell

**ASME-O10555000**

John J. Connelly  
David O. Lee

**ASME-O10560000**

Glenmore R. Hayes  
Ron C. Schrotke

**ASME-O10561000**

Mark L. Hermanson

**ASME-O10562000**

Mark L. Hermanson  
Ron C. Schrotke

**ASME-O10580000**

Robert K. Dann

**ASME-O10586000**

Robert K. Dann  
Richard L. Schlosser

**ASME-O10590000**

Frank J. Schelling

**ASME-O10592000**

Frank J. Schelling

**ASME-O10600000**

Ray Pope

**ASME-O10670000**

Ray Pope

**ASME-O10680000**

Ray Pope

**ASME-O10800000**

George A. Antaki

**APPENDIX B**  
**NGS Activity and Participating Personnel**

**ASME-OAC**

Allen C. Smith

**ASME-P01000000**

William L. Oberkamp

**ASME-P01610000**

\* Patrick H. Le

**ASME-RSC**

Allen C. Smith

**ASME-SC-OAC-1**

Allen C. Smith

**ASME-SC-TPD**

Allen C. Smith

**ASME-Section XI**

John Graham Merkle

Jerry H. Phillips

**ASNT**

Jack K. Harper

**ASNT-CMC**

Marvin W. Trimm

**ASNT-NCB**

Marvin W. Trimm

**ASQ-E&E**

Thomas M. Koepp

Charles H. Moseley, Jr.

**ASQ-E&E-EWM-ER**

Thomas M. Koepp

**ASQ-E&E-S&A**

Thomas M. Koepp

**ASQ-QA**

Quitman White

**ASQ-TC176**

William K. Sowder

Quitman White

**ASTM-B02.07**

Paul E. McConnell

**ASTM-C09.20**

\* Mario R. Diaz

**ASTM-C09.41**

\* Mario R. Diaz

**ASTM-C09.60**

\* Mario R. Diaz

**ASTM-C09.92**

\* Mario R. Diaz

**ASTM-C14**

Carol M. Jantzen

James F. Sproull

**ASTM-C14.01**

Carol M. Jantzen

James F. Sproull

**ASTM-C14.02**

Carol M. Jantzen

**ASTM-C16**

Andre' O. Desjarlais

David W. Yarbrough

**ASTM-C16.21**

Andre' O. Desjarlais

Ronald S. Graves

Kenneth E. Wilkes

David W. Yarbrough

**ASTM-C16.22**

Ronald S. Graves

**ASTM-C16.23**

Ronald S. Graves

David W. Yarbrough

**ASTM-C16.24**

David W. Yarbrough

**APPENDIX B**  
**NGS Activity and Participating Personnel**

**ASTM-C16.30**

Andre' O. Desjarlais  
Ronald S. Graves  
Kenneth E. Wilkes  
David W. Yarbrough

**ASTM-C16.32**

Ronald S. Graves

**ASTM-C16.33**

Kenneth E. Wilkes

**ASTM-C16.90**

Ronald S. Graves  
David W. Yarbrough

**ASTM-C16.92**

Ronald S. Graves  
David W. Yarbrough

**ASTM-C16.94**

David W. Yarbrough

**ASTM-C16.95**

Ronald S. Graves

**ASTM-C26**

John Abrefah  
Stephen M. Berry  
Ann Gibbs  
Brady D. Hanson  
Frank M. Heckendorn  
\* Carol M. Jantzen  
Ron D. Jeffcoat  
Kathryn P. Klapper  
Edward A. Kyser III  
R. Stephen Lee  
Troy H. Lorier  
James W. McClard  
Wanda G. Mitchell  
John B. Pickett  
Lee A. ReFalo  
Tracy S. Rudisill  
\* Eric L. Shaber  
Gary L. Smith  
Michael D. Soriano  
\* M. Irene Spaletto  
Rick T. Steele  
Roger E. Stoller  
Richard S. Thomason  
Joel M. Tingey  
Dale R. Wahlquist  
Clyde R. Ward  
Michael R. Williams

**ASTM-C26.01**

Donivan R. Porterfield

**ASTM-C26.02**

\* Russell W. Schmidt

**ASTM-C26.03**

Eric L. Shaber

**APPENDIX B**  
**NGS Activity and Participating Personnel**

**ASTM-C26.05**

Delbert L. Bowers  
Norbert W. Golchert  
Mark H. Hollenbach  
Edward A. Kyser III  
\* Wanda G. Mitchell  
Donivan R. Porterfield  
David A. Rakel  
Patricia M. Santoliquido  
Eric L. Shaber  
Michael D. Soriano  
M. Irene Spaletto  
Michael R. Williams

**ASTM-C26.05.01**

\* Isabel M. Fisenne

**ASTM-C26.05.02**

Edward A. Kyser III  
Wanda G. Mitchell  
\* M. Irene Spaletto  
Michael R. Williams

**ASTM-C26.05.03**

Mark H. Hollenbach

**ASTM-C26.05.04**

Wanda G. Mitchell  
Michael R. Williams

**ASTM-C26.07**

William L. Ebert  
Carol M. Jantzen  
Edgar Lara-Curzio  
Wanda G. Mitchell  
John B. Pickett  
John D. Vienna

**ASTM-C26.08**

Pamela L. Howell-Vasquez  
Donivan R. Porterfield  
\* Michael D. Soriano

**ASTM-C26.09**

Kathryn P. Klapper  
Edward A. Kyser III  
James W. McClard  
Tracy S. Rudisill  
Joel M. Tingey

**ASTM-C26.10**

Jeffrey A. Chapman  
Ann Gibbs  
Ron D. Jeffcoat  
R. Stephen Lee  
David A. Rakel  
Lee A. ReFalo  
Saleem R. Salaymeh  
Lawrence J. Satkowiak  
James K. Sprinkle, Jr.  
Richard S. Thomason

**ASTM-C26.11**

Pamela L. Howell-Vasquez  
Patricia M. Santoliquido

**ASTM-C26.12**

Ann Gibbs

**ASTM-C26.13**

John Abrefah  
William L. Ebert  
Mathias A. Ebner  
Brady D. Hanson  
\* Carol M. Jantzen  
Troy H. Lorier  
John B. Pickett  
\* Eric L. Shaber  
Gary L. Smith  
John D. Vienna  
Michael R. Williams

**APPENDIX B**  
**NGS Activity and Participating Personnel**

**ASTM-C26.14**

Stephen M. Berry

Frank M. Heckendorn  
Kathryn P. Klapper  
Rick T. Steele  
Joel M. Tingey  
Gary L. Troyer  
Dale R. Wahlquist  
Clyde R. Ward

**ASTM-D02**

Timothy D. Burchell

**ASTM-D02.02**

\* Harry N. Giles

**ASTM-D02.04**

\* Harry N. Giles

**ASTM-D02.08**

\* Harry N. Giles

**ASTM-D02.F**

Timothy D. Burchell  
Joseph P. Strizak

**ASTM-D18**

Joel M. Hubbell  
Ron Schalla

**ASTM-D18.01**

Ron Schalla

**ASTM-D18.02**

Ron Schalla

**ASTM-D18.21**

Joel M. Hubbell  
Ron Schalla

**ASTM-D18.21.03**

Ron Schalla

**ASTM-D18.21.06**

Ron Schalla

**ASTM-D18.21.07**

Ron Schalla

**ASTM-D18.21.08**

Ron Schalla

**ASTM-D18.92**

Mark F. Marcus

**ASTM-D19**

Mark F. Marcus  
Donivan R. Porterfield  
Mary C. Verwolf

**ASTM-D19.04**

Anita R. Bhatt  
Norbert W. Golchert  
Donivan R. Porterfield  
\* Colin G. Sanderson

**ASTM-D19.04.01**

Donivan R. Porterfield

**ASTM-D22**

Alfred T. Hodgson  
Larry L. Lockrem

**ASTM-D22.05.05**

Donivan R. Porterfield

**ASTM-D22.11**

Paul Fransioli

**ASTM-D33**

A. Clark Von Nyvenheim

**ASTM-D33.02**

Pamela L. Howell-Vasquez

**ASTM-D33.03**

\* Mario R. Diaz  
A. Clark Von Nyvenheim

**ASTM-D33.10**

\* Mario R. Diaz

**APPENDIX B**  
**NGS Activity and Participating Personnel**

**ASTM-D33.11**

\* Mario R. Diaz  
Pamela L. Howell-Vasquez

**ASTM-D34**

Laurence E. Auman  
Jonathan D. Kuhns  
Mark F. Marcus  
Ron Schalla

**ASTM-D34.07**

Richard D. Dayvault  
Pamela L. Howell-Vasquez

**ASTM-E05**

Paul A. Bales

**ASTM-E05.13**

Paul A. Bales  
Louis A. Gritzko  
James T. Nakos

**ASTM-E05.13.09**

Paul A. Bales

**ASTM-E05.15**

Louis A. Gritzko

**ASTM-E05.33**

Louis A. Gritzko

**ASTM-E06**

David W. Yarbrough

**ASTM-E06.21**

David W. Yarbrough

**ASTM-E07**

Wayne L. Sievers

**ASTM-E07.01.03**

Cary L. Pratt

**ASTM-E07.05**

Cary L. Pratt  
Wayne L. Sievers

**ASTM-E08**

\* Maarten P. de Boer  
John Graham Merkle  
Randy K. Nanstad

**ASTM-E08.05**

Maarten P. de Boer

**ASTM-E08.05.03**

Maarten P. de Boer

**ASTM-E08.08**

Richard J. Salzbrenner

**ASTM-E10**

\* Patrick J. Griffin  
Edgar Lara-Curzio  
Arpad L. Lengyel  
Randy K. Nanstad  
Roger E. Stoller  
David W. Vehar  
Larry J.. Whitmill

**ASTM-E10.01**

David W. Vehar

**ASTM-E10.02**

Roger E. Stoller

**ASTM-E10.03**

Laurence E. Auman  
Arpad L. Lengyel  
Richard H. Meservey  
Larry J.. Whitmill

**ASTM-E10.03.08**

Richard H. Meservey

**ASTM-E10.03.09**

Richard H. Meservey

**ASTM-E10.03.10**

Richard H. Meservey

**ASTM-E10.03.11**

Richard H. Meservey



**APPENDIX B**  
**NGS Activity and Participating Personnel**

**ASTM-E10.04**

George J. Vargo

**ASTM-E10.05**

Patrick J. Griffin  
David W. Vehar

**ASTM-E10.07**

\* Patrick J. Griffin  
David W. Vehar

**ASTM-E10.08**

Roger E. Stoller

**ASTM-E10.90**

George J. Vargo

**ASTM-E11**

Michael D. Soriano

**ASTM-E13**

Gary L. Troyer

**ASTM-E13.08**

Gary L. Troyer

**ASTM-E13.09**

Gary L. Troyer

**ASTM-E21**

Carl R. Osterwald

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James T. Nakos

**ASTM-E34**

Larry L. Lockrem

**ASTM-E36**

Mario R. Diaz

**ASTM-E37**

William F. Hammetter

**ASTM-E37.01**

William F. Hammetter

**ASTM-E37.01.18**

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**ASTM-E37.02**

William F. Hammetter

**ASTM-E37.03**

William F. Hammetter

**ASTM-E37.04**

William F. Hammetter

**ASTM-E37.06**

William F. Hammetter

**ASTM-E37.07**

William F. Hammetter

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Donald R. Baer  
Mark H Englehard

**ASTM-E42.08**

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**ASTM-E47**

Jack W. Anderson

**ASTM-E47.13**

David M. Peterson

**ASTM-E47.14**

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**ASTM-E50**

Ron Schalla

**ASTM-E53**

Mitch P. Miller  
\* Glenn Waugh

**APPENDIX B**  
**NGS Activity and Participating Personnel**

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**ASTM-E54.92**  
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**ASTM-F01.03**  
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**ASTM-F01.11**  
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**ASTM-F23**  
Allen W. Lilly

**ASTM-G02.30**  
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**ASTM-G02.40**  
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**ASTM-G02.50**  
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**AWS-B2.0**  
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**AWS-B2.0B**  
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**AWS-C03**  
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**AWS-C03B**  
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**AWS-C03E**  
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**AWS-C06**  
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**HPS-N13.39**

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\* Peter V. O'Connell  
\* Joel L. Rabovsky

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**NGS Activity and Participating Personnel**

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**IEA-PVPS-Task 1**

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**IEC-TC45-SC45A**

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**IEC-TC45-SC45A-WG-9A**

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Peter J. Chiaro  
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**IEEE-IM/WM&A-SCPT**

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Joseph A. Amari  
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**IEEE-PE/STD141-WGRD**

T. David Mills

**IEEE-PE/STD142-WGGRN**

T. David Mills

**IEEE-PE/SUB**

\* Leon Kempner

**IEEE-PE/SUB-C1**

\* Dennis L. Carr

**IEEE-PE/T&D**

Wayne H. Litzenberger

**IEEE-PE/T&D-DCT**

Wayne H. Litzenberger

**IEEE-PE/T&D-ESMOL**

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**IEEE-PE/T&D-TPC**

\* Ross M. Clark

\* Jerry L. Reding

**IEEE-PE/T&D-TPC-WGOCT**

\* Jerry L. Reding

**IEEE-PE/T&D-TPC-WGWS**

\* Karen K. Rowe

**IEEE-PE/TBCC**

T. David Mills

**IEEE-PE/TR**

\* Fred E. Elliott

**IEEE-PE/TR-BU**

\* Fred E. Elliott

**IEEE-PE/TR-BU-WGBAG**

\* Fred E. Elliott

**IEEE-PE/TR-BU-WGDCA**

\* Fred E. Elliott

**IEEE-PE/TR-DT-WGRDT**

\* Fred E. Elliott

**IEEE-PE/TR-HVDC**

\* Fred E. Elliott

**IEEE-PE/TR-IL**

\* Fred E. Elliott

**IEEE-PE/TR-PC**

\* Fred E. Elliott

**IEEE-PE/WGF**

T. David Mills

**IEEE-PE-PSRC**

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**IEEE-S2ESC**

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**APPENDIX B**  
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\* Richard DeBlasio  
Thomas D. Hund  
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Jay L. Chamberlin  
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**IEEE-UFFC-FE**

J. Thomas Cutchen

**IEEE-WG 5.1**

Terence J. Voss

**IEEE-WG 5.2**

Bruce P. Hallbert

**IEEE-WG 5.3**

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**IEEE-WG 5.4**

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**IEEE-WG-P1074**

Keith R. Middleton

**INMM-N14**

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**INMM-N14.30**

\* Randy M. Walker

**INMM-N14.5**

Larry E. Fischer

**INMM-N15.1**

\* James C. Crabtree

**INMM-N15.5.1**

\* James C. Crabtree

**IPC**

Mike McHenry

**IPC-A-600**

\* Floyd L. Gentry

**IPC-D35X**

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Carl L. Sossman

**ISA-SP18.1**

Charles R. Mastromonico

**ISA-SP37**

Sana Ullah

**ISA-SP37.16**

Sana Ullah

**ISA-SP67**

Carl L. Sossman

**ISA-SP67.01**

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**ISA-SP67.04**

William D. Croft  
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\* Robert W. Stevens

**ISA-SP67.04.01**

Carl L. Sossman

**ISA-SP67.04.02**

Carl L. Sossman

**ISA-SP67.06**

Carl L. Sossman

**ISA-SP67.16**

Carl L. Sossman

**ISA-SP67.16-WG2**

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**APPENDIX B**  
**NGS Activity and Participating Personnel**

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**ISA-SP84.01**

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**ISA-SP84.02**

Carl L. Sossman

**ISA-SP9**

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**ISA-SP91**

William H. Hearn

Carl L. Sossman

**ISA-SP91.01**

Carl L. Sossman

**ISA-SP91.02**

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**ISA-SP95**

Charles R. Mastromonico

**ISA-SP99**

Robert P. Evans

Charles R. Mastromonico

**ISA-SP99/WG2**

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**ISA-SP99/WG3**

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**ISA-TR67.04.03**

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**ISA-TR67-04.09**

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**ISA-TR84.00.02**

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**ISA-TR84.00.03**

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**ISO**

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**ISO/IEC-JTC.1-SC29-WG1**

Lance E. Greenwade

**ISO/IEC-JTC.1-SC29-WG11**

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**ISO/IEC-JTC.1-SC34**

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**ISO-12183**

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**ISO-NTAG-SC5-WG4/9**

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**ISO-TC108-SC3-WG6**

Vesta I. Bateman

**ISO-TC176**

\* Gustave E. (Bud) Danielson

**ISO-TC184-SC4-WG3**

\* Jeffrey A. Bradley

Steve L. Brooks

\* Noel C. Christensen

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**ISO-TC184-SC4-WG5**

\* John J. Zimmerman

**ISO-TC201**

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**ISO-TC201-SC5**

Donald R. Baer



**APPENDIX B**  
**NGS Activity and Participating Personnel**

**ISO-TC206-WG20/21**

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**ISO-TC69**

Larry G. Blackwood

**ISO-TC69-SC6**

Larry G. Blackwood

**ISO-TC85**

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Lisa M. Snapp

**ISO-TC85-N13.22**

Lisa M. Snapp

**ISO-TC85-SC2**

Lisa M. Snapp

**ISO-TC85-SC2-WG13**

George Campbell  
Darrell R. Fisher

**ISO-TC85-SC2-WG14**

John A. Glissmeyer

**ISO-TC85-SC2-WG2**

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Joseph C. McDonald

**ISO-TC85-SC5**

John Abrefah  
Calvin M. Hopper

**ISO-TC85-SC5-WG1**

\* Wanda G. Mitchell

**ISO-TC85-SC5-WG10**

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**ISO-TC85-SC5-WG12**

\* Wanda G. Mitchell

**ISO-TC85-SC5-WG3**

Ivan R. Thomas

**ISO-TC85-SC5-WG8**

Calvin M. Hopper  
Jerry N. McKamy

**ISO-TC85-SC6**

George F. Flanagan  
Donald J. Spellman

**ISO-TC85-SC6-WG3**

George Campbell  
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**ISO-TC85-SC6-WG4**

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**NGS Activity and Participating Personnel**

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**NCRP-SC43**

Ned A. Wogman

**NCRP-SC46-8**

Jack D. Cossairt

**NCRP-SC57-13**

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**NCRP-SC57-16**

Keith F. Eckerman

**NCRP-SC6.3**

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**NCRP-SC64-22**

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**NCRP-SC84-1**

Harold T. Peterson

**NCRP-SC87-3**

Terrence Sullivan

**NCRP-SC87-4**

Daniel J. Strom

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**NCRP-SC89-1**

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**NGS Activity and Participating Personnel**

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**NFPA 111**  
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**NFPA 1221**  
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**NFPA 1582**  
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**NFPA 20**  
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**APPENDIX B**  
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**NFPA 75**

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\* R. S. Scott

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James N. Brooke

**PMI-PM**

James N. Brooke  
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\* William D. Drotning

**RIA-R15.06**

\* William D. Drotning

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Bruce M. Wilding

**SAVE**

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**WRC-WP**

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**STG-05**

Charles F. Jenkins

**STG-35**

Charles F. Jenkins

**STG-37**

Charles F. Jenkins

**STG-41**

Charles F. Jenkins

**STG-60**

Charles F. Jenkins

**TEG 126X**

Charles F. Jenkins

**TEG 183X**

Charles F. Jenkins

**TEG-090X**

Charles F. Jenkins

**TEG-091X**

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**TEG-179X**

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**TEG-187X**

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**TG-011**

Charles F. Jenkins

**UL-BP**

\* Charles E. Meyers

## DOE-TSL-4-2006

### APPENDIX C NGS Activity

<b>AACE</b>	AACE International Technical Board
<b>ABHP</b>	American Board of Health Physics
<b>ACI-350-01</b>	Code Requirements for Environmental Engineering
<b>ACI-350-A</b>	Subcommittee Environmental Structures - General and
<b>ACI-630-T</b>	Concrete Construction Inspector/Transportation
<b>ACI-C630</b>	Concrete Construction Inspector
<b>AGS-S&amp;G-FP</b>	Fire protection SOP
<b>AGS-S&amp;G-LD</b>	Leak Detection SOP
<b>AICHE-Nuclear Engineering</b>	Program Comm. Chair Idaho/Montana Section
<b>ANS 2.26</b>	Site Evaluation
<b>ANS-10.4WG</b>	
<b>ANS-10.5WG</b>	Accommodating User Needs in Computer Program Development
<b>ANS-19.10</b>	Standard Practice for Calculating Pressure Vessel and Reactor Internal Neutron Fluence
<b>ANS-2.15WG</b>	Criteria for Modeling and Calculating Atmospheric Transport of Routine Releases from Nuclear Facilities
<b>ANS-2.16WG</b>	Criteria for Modeling Design-Basis Accidental Releases from Nuclear Facilities
<b>ANS-2.21WG</b>	Criteria for Assessing Atmospheric Effects on the Ultimate Heat Sink
<b>ANS-21</b>	Facility Design Criteria and Operations
<b>ANS-22</b>	System Level Design Criteria
<b>ANS-23</b>	Decommissioning and Site Remediation
<b>ANS-24</b>	Analysis
<b>ANS-25</b>	Nuclear Facilities Standards
<b>ANS-25SC</b>	Siting
<b>ANS-26</b>	Emergency Planning
<b>ANS-26SC</b>	Emergency Planning
<b>ANS-27</b>	Fuel Cycle and Waste Management Subcommittee
<b>ANS-28</b>	Gas-Cooled Reactors
<b>ANS-3.18.10WG</b>	Criteria for Modeling Real-time Accidental Releases at Nuclear Facilities
<b>ANS-6.6.1</b>	Calculation and Measurement of Direct and Scattered Gamma Radiation

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<b>ANS-8.17</b>	Criticality Safety Criteria for the Handling, Storage and Transportation of LWR Fuel Outside Reactors
<b>ANS-8.26</b>	Criticality Safety Engineer Qualification Standard
<b>ANS-8.27</b>	Burnup Credit
<b>ANS-8.6</b>	Working Group Name-Safety in Conducting Subcritical Neutron-Multiplication Measurements in Situ
<b>ANSI N14.6</b>	Radioactive & Hazardous Transport
<b>ANSI/ANS-N23SC</b>	Nuclear Industry Standards
<b>ANSI/ANS-WG41.5</b>	Data Validation and Verification
<b>ANSI/ASSE A10</b>	Safety Requirements for Construction and Demolition Operations
<b>ANSI-HSSP</b>	Homeland Security Standards Panel
<b>ANSI-IC-AC</b>	International Certification - Accreditation
<b>ANSI-IEEE-446</b>	Institute of Electrical and Electronic Engineers
<b>ANSI-N13.59</b>	Land Areas and Structures in Support of Decommissioning
<b>ANSI-N13-SCI</b>	Instrumentation Subcommittee
<b>ANSI-N14.1</b>	Packaging of Uranium Hexafluoride for Transport
<b>ANSI-N14.35</b>	Verification of Burnup Levels for Spent Nuclear Fuel Casks
<b>ANSI-N14.6</b>	Special Lifting Devices for Radioactive Materials
<b>ANSI-N14.6SCSLD</b>	Special Lifting Devices for Shipping Containers Weighing 10,000 Pounds
<b>ANSI-N14.7</b>	Guide to the Design and Use of Shipping Packages for Type A quantities of Radioactive Materials
<b>ANSI-N42.317</b>	Plutonium Monitoring Standard Revision
<b>ANSI-N42.32</b>	Instrumentation - Working Group
<b>ANSI-N42.32-2003</b>	Performance Criteria for Alarming Personal Radiation Detectors for Homeland Security
<b>ANSI-N42.33-2003</b>	Radiation Detection Instrumentation for Homeland Security
<b>ANSI-N42.34-2003</b>	Performance Criteria for Hand-Held Instruments for the Detection and Identification of Radionuclides
<b>ANSI-N42.35-2004</b>	Evaluation and Performance of Radiation Detection Portal Monitors for Use in Homeland Security
<b>ANSI-N42.37 (Draft)</b>	Training Requirements for Homeland Security Purposes Using Radiation Detection Instrumentation for Interdiction and Prevention
<b>ANSI-SRW Standards</b>	ANSI Segmental Retaining Wall Standards Committee



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<b>ANSI-Z1-SCSTAT</b>	Statistics
<b>ANS-N16.8.24</b>	Validation of Calculational Methods for Nuclear Criticality
<b>ANS-SC8</b>	Subcommittee 8 - Initial Approval of ANS-8 Draft Standards
<b>ASCE</b>	Border International Water Quality Standards Committee
<b>ASCE</b>	Water Regulatory Standards Committee
<b>ASCE-MAN74</b>	Determining design loads on transmission lines
<b>ASHRAE-SPC090.1</b>	Lighting Compliance
<b>ASHRAE-SPC189P</b>	Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings
<b>ASHRAE-SSPC62.1</b>	Nonresidential Ventilation for Acceptable Indoor Air Quality
<b>ASHRAE-SSPC62.2</b>	Residential Ventilation for Acceptable Indoor Air Quality
<b>ASHRAE-TC9.2SUB NV</b>	Nuclear Ventilation
<b>ASME</b>	Research Committee on Risk Technology
<b>ASME III</b>	Post Construction
<b>ASME III Nuclear Committee</b>	ASME Section III Nuclear Committee, Sub Group General Requirements
<b>ASME-B89</b>	B89 Dimensional Metrology
<b>ASME-B89.4</b>	Coordinate Measuring Technology
<b>ASME-B89.4.11</b>	Probes and Probe Changers
<b>ASME-B89.4.15</b>	Dynamic Performance of CMMs
<b>ASME-B89.4.20</b>	CMMs Measurement Traceability
<b>ASME-B89.7</b>	Measurement Uncertainty
<b>ASME-B89.7.3</b>	Decision Rules (Uncertainty in Performance Testing)
<b>ASME-BNCS</b>	Board of Nuclear Codes and Standards
<b>ASME-Committee on</b>	Subcommittee on OM Codes
<b>ASME-HEC-CEC</b>	Cooling Exchanger and Condenser Subcommittee of Heat Exchanger Technical Committee
<b>ASMEIII</b>	Post Construction
<b>ASME-N10010300</b>	ASME PCC Subcommittee Repair and Testing
<b>ASME-N20070348</b>	Project Team on Graphite Core Components
<b>ASME-NQA-1</b>	Executive Committee
<b>ASME-NQA-1-SCSIA</b>	Standards Interface and Administration Subcommittee
<b>ASME-O10312000</b>	Subgroup ISTB

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<b>ASME-O10553000</b>	Program Management Processes
<b>ASME-OAC</b>	ASME Operations, Applications and Components Committee, PVP Division
<b>ASME-RSC</b>	ASME Radwaste Systems Committee
<b>ASME-SC-OAC-1</b>	ASME Subcommittee of OAC, Toxic Substances
<b>ASME-SC-TPD</b>	ASME Subcommittee of Radwaste Systems, Transportation, Packaging and Disposal
<b>ASME-Section XI</b>	Subgroup on Evaluation Standards (Fracture)
<b>ASTM-D02.F</b>	Manufactured Carbon and Graphite Products
<b>ASTM-D19.04.01</b>	Water/Methods of Radiochemical Analysis/Radioactivity Measurements
<b>ASTM-E05.13.09</b>	Thermal Qualification of RAM Packages Working Group
<b>ASTM-E54.01</b>	Homeland Security Applications/CBRNE Sensors &
<b>ASTM-E54.92</b>	Homeland Security Applications/Terminology
<b>AWS-B2.0B</b>	Procedures Performance Subcommittee
<b>AWS-D1B</b>	Subcommittee on Qualification
<b>AWS-D1K</b>	Stainless Steel Welding
<b>BSSC</b>	Building Seismic Safety Council
<b>CCUF</b>	Common Criteria Users' Forum
<b>CIGRE- B2 (International IEEE)</b>	Tower Subcommittee (U. S. Representative)
<b>HFIPI</b>	Hydrogen Fluoride Industry Practices Institute
<b>HPS-N13.14</b>	Internal Dosimetry Programs for Tritium Exposure-Minimum Requirements
<b>IAEA-DNE-NPPCI</b>	Nuclear Power Plant Control and Instrumentation
<b>IAEA-DNE-NPPCI/WG-NPPCI</b>	Nuclear Power Plant Control and Instrumentation Working Group
<b>ICNIRP</b>	International Commission of Non-ionizing Radiation Protection and Measurements
<b>ICRP-2</b>	Secondary Limits
<b>ICRP-TG/HAT</b>	Task Group on Human Alimentary Tract
<b>ICRP-TG/INDOS</b>	Task Group on Internal Dosimetry
<b>IEC 61511 Parts 1,2, and 3</b>	International Version of ISA 84.01
<b>IEC-TC45-SC45A-WG-9A</b>	
<b>IEC-TC82.5</b>	Concentrator Modules

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IEEE	Power Systems Grounding
IEEE-1050	
IEEE-693	Seismic Design of Substation Structures
IEEE-IA/ESPSSC	Emergency and Standby Power Systems for I&C Applications Subcommittee of Power Systems Engineering
IEEE-IA/MOSSC	Maintenance, Operations and Safety Subcommittee of Power Systems Engineering Committee
IEEE-IA/PSE-LVP	Low Voltage Protection Main Committee
IEEE-IA/PSE-SCLVCB	Low Voltage Circuit Breakers Subcommittee
IEEE-IA/SCC 18	Standards Coordinating Committee 18
IEEE-IA/STD446-WGOR	IEEE Standard No. 446 "Orange Book" Working Group
IEEE-IA/STD902-WGYEL	IEEE Standard No. 902 "Yellow Book" Working Group
IEEE-NESC-SC5	National Electric Safety Code Subcommittee 5 - Overhead Lines Strength and Loading
IEEE-PE/NPE-SC2.4	Working Group on Qualification of Fiberoptic Cables
IEEE-PE/NPE-SC5.4	Human Reliability
IEEE-PE/STD141-WGGR	Gray Book Working Group
IEEE-PE/STD141-WGRD	Red Book Working Group for STD 141
IEEE-PE/STD142-WGGRN	Green Book Working Group
IEEE-PE/TBCC	Technical Books Coordinating Committee
IEEE-PE/WGF	Forensics Working Group
IEEE-PE-PSRC	Application, design and operation of protective relaying and monitoring systems
IEEE-S2ESC	Software Systems Engineering
IEEE-SB	Standards Board (member)
IEEE-SCC18/NEC CP3	Connected with IEEE representation on NEC Code Panel 3
IEEE-WG 5.1	WG for Human Factors, Member
IEEE-WG 5.2	Human Factors Conference
IEEE-WG 5.3	WG for Reliability and Risk Management, Chair
IEEE-WG 5.4	Human Reliability Analysis
IEEE-WG-P1074	Revision of IEEE Std for Developing Software Project Life Cycle Process
ISA 67.06.01	Standard Upgrade and Issue
ISA-SP18.1	Instrument Signal and Alarm Management Standard

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<b>ISA-SP9</b>	Security of Manufacturing and Control Systems
<b>ISA-SP99</b>	Security of Manufacturing Control Systems Standard
<b>ISA-SP99/WG2</b>	Applications and Practices
<b>ISA-SP99/WG3</b>	Technologies
<b>ISA-TR84.00.02</b>	Standard Rev and Tech Tpt SIL & Test Preparation
<b>ISA-TR84.00.03</b>	Standard Rev & Tech Tpt SIL & Test Preparation
<b>ISA-TR84.00.04</b>	Safety Instrumented System Guidance
<b>ISO-12183</b>	Plutonium Measurements
<b>ISO-NTAG-SC5-WG4/9</b>	NTAG Deputy Advisor
<b>ISO-TC206-WG20/21</b>	Advanced Ceramics
<b>ISO-TC69-SC6</b>	Measurement Methods and Results
<b>ISO-TC85-N13.22</b>	Uranium Bioassay Programs
<b>ISO-TC85-SC2</b>	Radiation Protection
<b>ISO-TC85-SC2-WG13</b>	Internal Dosimetry and Wholebody Counting
<b>ISO-TC85-SC6</b>	Reactor Technology
<b>ISO-TC85-SC6-WG3</b>	Nuclear Facility Siting - Emergency Preparedness
<b>ISO-TC85-SC6-WG4</b>	Reactor Design
<b>NCRP-BD-C</b>	NCRP Council (member) and Board of Directors (member)
<b>NCRP-SC1-15</b>	Radiation Protection and Science Goals for Short-Term Lunar Missions
<b>NCRP-SC1-7</b>	Information Needed to Make Radiation Protection Recommendations for Travel Beyond Low-Earth Orbit
<b>NCRP-SC4.1</b>	Management of Persons Contaminated with Radionuclides
<b>NCRP-SC6.3</b>	Uncertainties in Internal Radiation Dosimetrics
<b>NCSL-170</b>	Documentary Standards Applications
<b>NCSL-BOD</b>	Board of Directors
<b>NERC-STDAC</b>	North American Electric Reliability Council Standards Authorization Committee
<b>NERC-STDAC/WGAP</b>	NERC Standards Authorization Committee Working Group Applications and Practices
<b>NERC-WECC-PCC</b>	Western Electric Coordinating Council Planning Coordination Committee
<b>NFPA (3)</b>	National Fire Alarm Code
<b>NFPA 101</b>	Life Safety Code

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NGS Activity**

<b>NFPA 105</b>	Installation of Smoke Door Assemblies
<b>NFPA 110</b>	Emergency and Standby Power Systems
<b>NFPA 111</b>	Stored Electrical Energy Emergency and Standby Power Systems
<b>NFPA 1141</b>	Fire Protection in Planned Building Groups
<b>NFPA 1142</b>	Water Supplies for Suburban and Rural Fire Fighting
<b>NFPA 1143</b>	Wildland Fire Management
<b>NFPA 1144</b>	Protection of Life and Property from Wildlife
<b>NFPA 1145</b>	Guide for the Use of Class A Foams in Manual Structural Fire Fighting
<b>NFPA 115</b>	Laser Fire Protection
<b>NFPA 1150</b>	Fire-Fighting Foam Chemicals for Class A Fuels in Rural, Suburban, and Vegetated Areas
<b>NFPA 1221</b>	Installation, Maintenance, and Use of Emergency Services Communications Systems
<b>NFPA 13</b>	Installation of Sprinkler Systems Chapter 6
<b>NFPA 1500</b>	Fire Department Occupational Safety and Health Program
<b>NFPA 1521</b>	Fire Department Safety Officer
<b>NFPA 1561</b>	Emergency Services Incident Management System
<b>NFPA 1582</b>	Comprehensive Occupational Medical Program for Fire Departments
<b>NFPA 1600</b>	Disaster/Emergency Management and Business Continuity Programs
<b>NFPA 170</b>	Fire Safety Symbols
<b>NFPA 1710</b>	Committee on Fire and Emergency Service Organization and Deployment - Career
<b>NFPA 20</b>	Installation of Stationary Pumps for Fire Protection
<b>NFPA 203</b>	Guide on Roof Coverings and Roof Deck Constructions
<b>NFPA 22</b>	Water Tanks for Private Fire Protection
<b>NFPA 220</b>	Types of Building Construction
<b>NFPA 221</b>	Fire Walls and Fire Barrier Walls
<b>NFPA 232</b>	Protection of Records
<b>NFPA 24</b>	Installation of Private Fire Service Mains and Their Appurtenances
<b>NFPA 241</b>	Safeguarding Construction, Alteration, and Demolition Operations

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<b>NFPA 25</b>	Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems
<b>NFPA 326</b>	Safeguarding of Tanks and Containers for Entry, Cleaning, or Repair
<b>NFPA 329</b>	Recommended Practice for Handling Releases of Flammable and Combustible Liquids and Gases
<b>NFPA 37</b>	Installation and Use of Stationary Combustion Engines and Gas Turbines
<b>NFPA 45</b>	Fire Protection for Laboratories Using Chemicals
<b>NFPA 50</b>	Bulk Oxygen Systems at Consumer Sites
<b>NFPA 5000</b>	Building Construction and Safety Code
<b>NFPA 50A</b>	Gaseous Hydrogen Systems at Consumer Sites
<b>NFPA 50B</b>	Liquefied Hydrogen Systems at Consumer Sites
<b>NFPA 51</b>	Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting, and Allied
<b>NFPA 51A</b>	Acetylene Cylinder Charging Plants
<b>NFPA 55</b>	Storage, Use, and Handling of Compressed Gases and Cryogenic Fluids in Portable and Stationary Containers, Cylinders, and Tanks
<b>NFPA 55 Committee</b>	Medical and Industrial Gases Combined Standard
<b>NFPA 560</b>	Storage, Handling, and Use of Ethylene Oxide for Sterilization and Fumigation
<b>NFPA 70</b>	National Electrical Code Code Panel 1
<b>NFPA 703</b>	Fire Retardant Impregnated Wood and Fire Retardant Coatings for Building Materials
<b>NFPA 72 (1)</b>	National Fire Alarm Code Chapter 10
<b>NFPA 72 (2)</b>	National Fire Alarm Code Fundamentals Protected
<b>NFPA 72 (3)</b>	National Fire Alarm Code
<b>NFPA 72 (4)</b>	National Fire Alarm Code Chapter 7
<b>NFPA 75</b>	Protection of Information Technology Equipment
<b>NFPA 750</b>	Water Mist Fire Protection Systems
<b>NFPA 80</b>	Fire Doors and Fire Windows
<b>NFPA 801</b>	Fire Protection for Facilities Handling Radioactive Materials
<b>NFPA 804</b>	Fire Protection for Advanced Light Water Reactor Electric Generating Plants

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<b>NFPA 805</b>	Performance-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants
<b>NFPA 82</b>	Incinerators and Waste and Linen Handling Systems and Equipment
<b>NFPA 850</b>	Recommended Practice for Fire Protection for Electric Generating Plants and High Voltage Direct Current Converter Stations
<b>NFPA 851</b>	Recommended Practice for Fire Protection for Hydroelectric Generating Plants
<b>NFPA 853</b>	Installation of Stationary Fuel Cell Power Systems
<b>NFPA-101</b>	Life Safety Code
<b>NFPA-110</b>	Standby Electrical Supplies
<b>NFPA-5000</b>	Building
<b>NFPA70</b>	Code Making Panel 3 (CMP 3)
<b>NFSC</b>	Nuclear Facilities Standards Committee
<b>Post Construction</b>	
<b>SAVE</b>	Society of American Value Engineers
<b>SFPE-EGFDOPBD</b>	Society of Fire Protection Engineers Engineering Guide for Fire Department Operations in Performance-Based Design
<b>SFPE-SCCFES</b>	Society of Fire Protection Engineers Standards Committee for Calculating Fire Exposure to Structures
<b>STG 37</b>	High Temperature Materials Performance
<b>STG-05</b>	Underground Corrosion
<b>STG-35</b>	Cathodic Protection
<b>STG-37</b>	High Temperature Materials Performance
<b>STG-41</b>	Corrosion in Process Industries
<b>STG-60</b>	Corrosion in Process Waters
<b>TEG 125X</b>	Materials in Non-Aqueous Halide Containing Environments
<b>TEG 126X</b>	Issues in High Temperature Exposure
<b>TEG 183X</b>	NACE Committee Fossil Fuel Combustion and Conversion
<b>TEG-090X</b>	Interim Storage of Radioactive Liquid Wastes
<b>TEG-091X</b>	Materials in Incinerators and Air Pollution Control
<b>TEG-179X</b>	Cathodic Protection
<b>TEG-187X</b>	Microbiologically Influenced Corrosion
<b>TG-011</b>	Corrosion Control of UG Storage Tank Systems by CP

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<b>ACI</b>	American Concrete Institute
<b>ACI-118</b>	Use of Computers
<b>ACI-121</b>	Quality Assurance Systems for Concrete
<b>ACI-227</b>	Radioactive and Hazardous Waste Management
<b>ACI-301</b>	Specifications for Concrete
<b>ACI-307</b>	Concrete Chimneys
<b>ACI-311</b>	Inspection of Concrete
<b>ACI-349</b>	Concrete Nuclear Structures
<b>ACI-349-2</b>	Design
<b>ACI-349-3</b>	Anchorage
<b>ACI-355</b>	Anchorage to Concrete
<b>ACI-359</b>	Concrete Components for Nuclear Reactors - Joint
<b>ACI-365</b>	Service Life Prediction
<b>ACI-369</b>	Seismic Repair and Rehabilitation
<b>ACI-446</b>	Fracture Mechanics
<b>ACI-550</b>	Precast Concrete Structures - Joint ACI/ASCE
<b>AGS</b>	American Glovebox Society
<b>AGS-S&amp;G</b>	Standards and Guidelines
<b>AGS-S&amp;G-FAB</b>	Fabrication
<b>AGS-SDC-DSG</b>	Design
<b>AIAA</b>	American Institute of Aeronautics and Astronautics
<b>AIAA-ASG</b>	Aerospace Sciences Group
<b>AIAA-ASG-CFD</b>	Computational Fluid Dynamics Subcommittee
<b>AIHA</b>	American Industrial Hygiene Association
<b>AIHA-C&amp;TMC</b>	Communications and Training Methods Committee
<b>AIHA-EC</b>	Engineering Committee
<b>AIIM</b>	Association for Information and Image Management
<b>AIIM-C9</b>	Image Encoding Techniques
<b>AIIM-C23</b>	Micrographics Technologies
<b>AISC</b>	American Institute of Steel Construction
<b>ANS</b>	American Nuclear Society
<b>ANS</b>	Standards Board



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<b>ANS TJC</b>	Technical Journals Committee
<b>ANS-1</b>	Performance of Critical Experiments
<b>ANS-3.11</b>	Determining Meteorological Information at Nuclear Facility Installations
<b>ANS-5.1</b>	Decay Heat Power in Light Water Reactors
<b>ANS-6</b>	Radiation Protection and Shielding
<b>ANS-8</b>	Fissionable Material Outside Reactors
<b>ANS-8.1</b>	Nuclear Criticality Safety in Operations with Fissionable Materials Outside Reactors
<b>ANS-8.3</b>	Criticality Accident Alarm System
<b>ANS-8.7</b>	Guide for Nuclear Criticality Safety in the Storage of Fissile Materials
<b>ANS-8.12</b>	Nuclear Criticality Control and Safety of Plutonium-Uranium Fuel Mixtures Outside Reactors
<b>ANS-8.14</b>	Use of Solutions of Neutron Absorbers for Criticality
<b>ANS-8.15</b>	Nuclear Criticality Control of Special Actinide Elements
<b>ANS-8.20</b>	Nuclear Criticality Safety Training
<b>ANS-8.21</b>	Use of Fixed Neutron Absorbers in the Design of Nuclear Facilities Outside Reactors
<b>ANS-8.22</b>	Nuclear Criticality Safety Based on Limited and Controlled Moderation
<b>ANS-8.23</b>	Criticality Accident Emergency Planning & Response
<b>ANS-8.24</b>	Criticality Code Validation
<b>ANS-8.25</b>	Posting Standard
<b>ANS-10</b>	Mathematics and Computation
<b>ANS-10.4</b>	Guidelines for the Verification and Validation of Scientific and Engineering Computer Programs for the Nuclear Industry
<b>ANS-15</b>	Operation of Research Reactors
<b>ANS-15.4</b>	Selection/Training of Personnel
<b>ANS-15.11</b>	Radiological Control at Research Reactor Facilities
<b>ANS-15.16</b>	Emergency Planning for Research Reactors
<b>ANS-16.1</b>	Measurement of the Leachability of Solidified Low-Level Radioactive Wastes by a Short-Term Test Procedure
<b>ANS-19</b>	Physics of Reactor Design
<b>ANS-19.8</b>	Fission Product Chain Yields

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<b>ANS-19.9</b>	Delayed Neutron Data
<b>ANSI</b>	American National Standards Institute [note: unlike other NGS activities in this appendix, a broad spectrum of ANSI-approved standards development activities (including those with no recorded DOE participation) is listed below.]
<b>ANSI-A10</b>	Safety Requirements for Construction and Demolition Operations (NSC)
<b>ANSI-A14</b>	Safety in the Design, Construction, Testing, Selection, Care & Use of Ladders (ASSE)
<b>ANSI-A40</b>	Safety Requirements for Plumbing (MCAA/NAPHCC)
<b>ANSI-A92</b>	Mobile Scaffolds, Towers and Platforms (SIA)
<b>ANSI-A108</b>	Installation of Ceramic Tile (TCA)
<b>ANSI-A115</b>	Installation Standards for Builders' Hardware for Architectural Doors and Frames (D&HI)
<b>ANSI-A117</b>	Architectural Features and Site Design of Public Buildings and Residential Structures for Persons with Handicaps
<b>ANSI-A119</b>	Standards for Mobile Homes and Travel Trailers (RVIA)
<b>ANSI-A120</b>	Safety Requirements for Powered Platforms for Buildings Maintenance (BOMA)
<b>ANSI-A250</b>	Standard Steel Doors and Frames (SDI)
<b>ANSI-A300</b>	Standard Practices for Shade Tree Maintenance (NAA)
<b>ANSI-A1264</b>	Safety Standards for Floor and Wall Openings, Railings, and Toeboards and Fixed General Industrial Stairs (ASSE)
<b>ANSI-AC</b>	Accreditation Committee
<b>ANSI-AC-IC</b>	International Certification
<b>ANSI-B3</b>	Ball and Roller Bearings (AFBMA)
<b>ANSI-B6</b>	Standardization of Tooth Gearing, Industrial Gear Transmission and Flexible Couplings (AGMA)
<b>ANSI-B7</b>	Safety Requirements for the Use and Protection of Grinding Wheels (GWI)
<b>ANSI-B11</b>	Safety Requirements for Machine Tools (AMT)
<b>ANSI-B24</b>	Safety Standards for Forging and Hot Metal Forming (FIA)
<b>ANSI-B65</b>	Safety Specifications for Controls and Signaling Devices for Printing Presses (ASPP)
<b>ANSI-B74</b>	Abrasives (GWI)
<b>ANSI-B77</b>	Aerial Passenger Tramways (USIA)
<b>ANSI-B87</b>	Decimalized Measure (SME)

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<b>ANSI-B93</b>	Fluid Power Systems and Products (NFPA)
<b>ANSI-B109</b>	Gas Displacement Meters (AGA)
<b>ANSI-B175</b>	Safety of Portable Gasoline-Powered Chainsaws and Leaf Blowers (PPEMA)
<b>ANSI-B211</b>	Surface Integrity (SME)
<b>ANSI-B212</b>	Cemented Carbides (CCPA)
<b>ANSI-B215</b>	Pumps (HI)
<b>ANSI-BD</b>	Board of Directors
<b>ANSI-C2</b>	National Electrical Safety Code (IEEE)
<b>ANSI-C8</b>	Insulated Wires and Cables (NEMA)
<b>ANSI-C9</b>	Magnet Wire (NEMA)
<b>ANSI-C12</b>	Electricity Metering (IEEE)
<b>ANSI-C18</b>	Specifications for Dry Cells and Batteries (NEMA)
<b>ANSI-C19</b>	Industrial Control Apparatus (NEMA)
<b>ANSI-C29</b>	Insulations for Electric Power Lines Apparatus (NEMA)
<b>ANSI-C34</b>	Static Power Converting Equipment (NEMA)
<b>ANSI-C37</b>	Power Switchgear (NEMA)
<b>ANSI-C50</b>	Rotating Electrical Machinery (NEMA)
<b>ANSI-C55</b>	Standards for Capacitors (NEMA)
<b>ANSI-C57</b>	Transformers, Regulators and Reactors (NEMA)
<b>ANSI-C62</b>	Surge Arresters (NEMA)
<b>ANSI-C63</b>	Electromagnetic Compatibility (IEEE)
<b>ANSI-C64</b>	Brushes for Electrical Machines (NEMA)
<b>ANSI-C73</b>	Attachment Plugs and Receptacles (NEMA)
<b>ANSI-C78</b>	Electric Lamps (NEMA)
<b>ANSI-C79</b>	Nomenclature for Glass Bulbs and Molded Glass Flares for Electric Lamps (NEMA)
<b>ANSI-C80</b>	Raceways for Electrical Wiring Systems (NEMA)
<b>ANSI-C81</b>	Electric Lamp Bases and Holders (NEMA)
<b>ANSI-C82</b>	Lamp Ballasts (NEMA)
<b>ANSI-C84</b>	Preferred Voltage Rating for AC Systems (NEMA)
<b>ANSI-C87</b>	Arc Welding Machines (NEMA)
<b>ANSI-C89</b>	Specialty Transformers (NEMA)

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<b>ANSI-C92</b>	Insulation Coordination (IEEE)
<b>ANSI-C93</b>	Pole Line Carrier Equipment and Coupling Capacitor Voltage Transformers (NEMA)
<b>ANSI-C97</b>	Low Voltage Fuses, 600 Volts or Less (NEMA)
<b>ANSI-C101</b>	Leakage Current for Electrical Appliances (UL)
<b>ANSI-C119</b>	Connectors for Electric Utility Applications (NEMA)
<b>ANSI-C136</b>	Roadway Lighting Equipment (NEMA)
<b>ANSI-CA</b>	Committee for Conformity Assessment
<b>ANSI-CGATS</b>	Committee for Graphic Arts Technologies Standards
<b>ANSI-D15</b>	Method of Recording and Measuring Motor Vehicle Fleet and Passenger Accident Experience (NSC)
<b>ANSI-D18</b>	Training of Automotive Mechanics (NSC)
<b>ANSI-E&amp;T</b>	Committee on Education and Training
<b>ANSI-ESC</b>	Executive Standards Council
<b>ANSI-GMC</b>	Government Member Council
<b>ANSI-H35</b>	Aluminum and Aluminum Alloys (AA)
<b>ANSI-IT8</b>	Specifications for the Exchange of Digital Data Between Electronic Pre-press Systems and their Respective Components (ASPPT)
<b>ANSI-K61</b>	Storage and Handling of Anhydrous Ammonia (CGA)
<b>ANSI-K62</b>	Common Names for Pest Control Chemicals (ARC)
<b>ANSI-L1</b>	Textile Safety Standards (NSC)
<b>ANSI-M11</b>	Wire Rope for Mines (WRTB)
<b>ANSI-MD156</b>	Dental Materials, Instruments and Equipment (ADA)
<b>ANSI-MH2</b>	Metal Drums and Pails (SSCI)
<b>ANSI-N13</b>	External Dosimetry
<b>ANSI-N13.1</b>	Health Physics Society Standards Committee
<b>ANSI-N13.30</b>	Performance Criteria for Bioassay
<b>ANSI-N13.35</b>	Bottle-Manikin Absorption Phantom
<b>ANSI-N13.48</b>	Radiation Protection Terminology
<b>ANSI-N13.49</b>	Performance and Documentation of Ionizing Radiation
<b>ANSI-N13.61</b>	Ambient Air Monitoring
<b>ANSI-N14</b>	Packaging and Transport of Radioactive and Non-Nuclear Hazardous Materials (INMM)

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<b>ANSI-N14.2</b>	Truck Tiedowns
<b>ANSI-N14.23</b>	Shock and Vibration Design Basis for Tie-Downs of Nuclear Waste in Transport
<b>ANSI-N14.25</b>	Operation of Nuclear Waste for Road Shock and Vibration
<b>ANSI-N14.30</b>	Design, Fabrication, and Maintenance of Semi-trailers Employed in Weight Concentrated Nuclear Loads
<b>ANSI-N14.32</b>	Gas Generation in Packaging Used for the Storage and Transport of Radioactive Materials
<b>ANSI-N14.33</b>	Damaged Fuel Standards
<b>ANSI-N15</b>	Methods of Nuclear Material Control (INMM)
<b>ANSI-N42</b>	Nuclear Instruments (IEEE)
<b>ANSI-N42.1</b>	Radiation Protection Instrumentation
<b>ANSI-N42.14</b>	Calibration and Use of Germanium Spectrometers for the Measurements of X-Ray Emission Rates
<b>ANSI-N42.17A1</b>	Portable Instrumentation for Use in Normal Environmental Conditions
<b>ANSI-N42.18</b>	Specification and Performance of Onsite Instrumentation for Continuously Monitoring Radioactivity in Effluents
<b>ANSI-N42.28</b>	Performance Standard for the Calibration of Germanium Detectors for In Situ X-Ray Measurements
<b>ANSI-N42.xx</b>	Preparation of Performance Testing Materials
<b>ANSI-N43</b>	Equipment for Non-Medical Radiation Applications (HPS)
<b>ANSI-N43.1</b>	Acceleration Radiation Safety
<b>ANSI-N43.3</b>	Radiation Safety
<b>ANSI-N43.4</b>	Accelerator Writing Group
<b>ANSI-N44</b>	Equipment and Material for Medical Radiation Application
<b>ANSI-N45</b>	Steering Committee for ANSI Standards
<b>ANSI-N323C</b>	Radiation Protection Instrumentation Test and Calibration – Air Monitoring Instruments
<b>ANSI-NSB</b>	Nuclear Standards Board
<b>ANSI-NSB-OC</b>	Operations Committee
<b>ANSI-NSB-PLANCO</b>	Planning Committee
<b>ANSI-NTAG</b>	Nuclear Technical Advisory Board
<b>ANSI-O1</b>	Safety Requirements for Woodworking Machinery (WMMA)
<b>ANSI-O5</b>	Wood Poles and Other Wood Products (ECSA)

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<b>ANSI-P100</b>	Warning Labels and Performance Standards for Paddlesports Equipment (NAPA)
<b>ANSI-S 1</b>	Acoustics (ASA)
<b>ANSI-S 2</b>	Mechanical Vibration and Shock (ASA)
<b>ANSI-S 3</b>	Bioacoustics (ASA)
<b>ANSI-S 4</b>	Audio Engineering (AES)
<b>ANSI-S12</b>	Noise (ASA)
<b>ANSI-SDSC</b>	Standards and Data Services Committee
<b>ANSI-SDSC-DC</b>	Development Committee
<b>ANSI-T1</b>	Telecommunications (ECSA)
<b>ANSI-USNC-IEC</b>	US National Committee of IEC
<b>ANSI-USNC-IEC-TC25</b>	U.S. TAG for International Electro-Technical Vocabulary
<b>ANSI-USNC-IEC-TC85</b>	Electrical & Electronic Measuring Instruments
<b>ANSI-USNC-ISO-TAG4-WG3</b>	Uncertainty
<b>ANSI-X 3</b>	Information Systems (ITI)
<b>ANSI-X 9</b>	Financial Services (ABA)
<b>ANSI-X12</b>	Electronic Business Interchange (DISA)
<b>ANSI-Z1</b>	Quality Assurance (ASQ)
<b>ANSI-Z9</b>	Safety Standard for Exhaust Systems (AIHA)
<b>ANSI-Z16</b>	Standardization of Methods of Recording and Compiling Accident Statistics (NSC)
<b>ANSI-Z21</b>	Performance and Installation of Gas-Burning Appliances and Related Accessories (AGA)
<b>ANSI-Z34</b>	Principles Underlying Valid Certification and Labeling of Products and Services (ACIL)
<b>ANSI-Z41</b>	Performance Requirements for Protective Occupational Footwear (NSC)
<b>ANSI-Z49</b>	Safety Welding and Cutting (AWS)
<b>ANSI-Z50</b>	Safety Requirements for Bakery Equipment
<b>ANSI-Z61</b>	Home Kitchen Utensils (AHEA)
<b>ANSI-Z80</b>	Ophthalmic Standards (OLA)
<b>ANSI-Z83</b>	Industrial Gas Equipment Installation and Utilization (AGA)
<b>ANSI-Z86</b>	Underwater Safety (DEMA)
<b>ANSI-Z87</b>	Safety Standards for Eye Protection (ASSE)

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<b>ANSI-Z88</b>	Safety Standards for Respiratory Protection (LLNL)
<b>ANSI-Z88.2</b>	Respiratory Protection
<b>ANSI-Z89</b>	Safety Standard for Industrial Head Protection (DU)
<b>ANSI-Z90</b>	Vehicular Head Protection (SMF)
<b>ANSI-Z94</b>	Industrial Engineering Technology (IIE)
<b>ANSI-Z97</b>	Safety Requirements for Architectural Glazing Material
<b>ANSI-Z117</b>	Confined Space (ASSE)
<b>ANSI-Z124</b>	Synthetic Organic Materials in Plumbing Fixtures (IAPMO)
<b>ANSI-Z133</b>	Safety in Tree Trimming Operations (ISAr)
<b>ANSI-Z136</b>	Safe Use of Lasers (LIA)
<b>ANSI-Z223</b>	National Fuel Gas Code (AGA)
<b>ANSI-Z244</b>	Lockout Protection (NSC)
<b>ANSI-Z245</b>	Refuse Collection, Processing and Disposal (NSWMA)
<b>ANSI-Z359</b>	Fall Protection (ASSE)
<b>ANSI-Z365</b>	Committee for the Control of Cumulative Trauma Disorders (NSC)
<b>ANSI-Z375</b>	Diving Instructional Standards and Safety (RSTC)
<b>ANSI-Z380</b>	Gas Piping Technology (AGA)
<b>ANSI-Z390</b>	Hydrogen Sulfide Safety Training (ASSE)
<b>ANSI-Z535</b>	Safety Signs and Colors (NEMA)
<b>ANS-N16</b>	Nuclear Criticality Safety
<b>ANS-N17</b>	Research Reactors, Reactor Physics, Radiation Shielding and Computational Methods
<b>ANS-NFSC</b>	Nuclear Facilities Standards Committee
<b>ANS-RISC</b>	Risk Informed Standards Consensus Committee
<b>ANS-SSC</b>	Standards Steering Committee
<b>ASA</b>	Acoustical Society of America
<b>ASCE</b>	American Society of Civil Engineers
<b>ASCE-SS</b>	Structural Standards Division
<b>ASCE-SS-CA&amp;RB-SRB</b>	Seismic Rehabilitation of Buildings Subcommittee
<b>ASCE-SS-DSTPS</b>	Design of Steel Transmission Pole Structures Standards Committee
<b>ASCE-SS-DSTT</b>	Design of Steel Transmission Towers Standards Committee

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<b>ASCE-ST-DE-DANS</b>	Dynamic Analysis of Nuclear Structures Committee
<b>ASCE-ST-SDI-ETS-SCDSS</b>	Subcommittee on Design of Substation Structures
<b>ASHRAE</b>	American Society of Heating, Refrigerating and Air-Conditioning Engineers
<b>ASHRAE-SC</b>	Standards Committee
<b>ASHRAE-SPC090.2P</b>	Energy Efficient Design of New Low-Rise Residential
<b>ASHRAE-SPC100P</b>	Energy Conservation in Existing Buildings
<b>ASHRAE-SPC140P</b>	Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs
<b>ASHRAE-SPC146P</b>	Methods of Testing for Rating Pool and Spa Heaters
<b>ASHRAE-SSPC90.1</b>	Energy Efficient Design of New Buildings Except Low-Rise Residential Buildings
<b>ASHRAE-TC1.2</b>	Instruments and Measurements
<b>ASHRAE-TC4.3</b>	Ventilation Requirements and Infiltration
<b>ASHRAE-TC4.7</b>	Energy Calculations
<b>ASHRAE-TC6.3</b>	Central Forced Air Heating and Cooling Systems
<b>ASHRAE-TC6.3-JTC103</b>	Methods of Testing for Annual Fuel Utilization Efficiency of Residential Central Furnaces and Boilers
<b>ASHRAE-TC6.7</b>	Solar Energy Utilization
<b>ASHRAE-TC9.2</b>	Industrial Air Conditioning
<b>ASME-C36000000</b>	B89 Dimensional Metrology
<b>ASME-C36062300</b>	Working Group 2.2 - Small Angle Measurement
<b>ASME-C36080800</b>	Working Group 3.4 - Axes of Rotation (SC3/B89)
<b>ASME-C36101000</b>	Working Group 4.10 - Software Evaluation (SC4/B89)
<b>ASME-C36101300</b>	Working Group 4.13 - Interim Testing of CMMS (SC4/B89)
<b>ASME-C36101700</b>	Working Group 4.17 - Vibration Analysis of CMM Sites (SC4/B89)
<b>ASME-C36102000</b>	Working Group 4.20 - Artifacts Traceability (SC4/B89)
<b>ASME-C36120000</b>	Subcommittee 6 - Environment (B89)
<b>ASME-C36120300</b>	Working Group 6.1 - Vibration
<b>ASME-C36120400</b>	Working Group 6.2 - Temperature and Humidity (SC6/B89)
<b>ASME-C64000000</b>	Y14 Engineering Drawing and Related Documentation
<b>ASME-C64000200</b>	Y14 Executive Advisory Planning Team (Y14)
<b>ASME-C64020000</b>	Drawing Practices - TAG/ISO/TC10 (Y14)



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<b>ASME-C64020500</b>	TAG/ISO/TC10/SC5 - Dimensioning and Tolerancing (Y14)
<b>ASME-C64041000</b>	Subcommittee 5 - Dimensioning and Tolerancing (Y14.5)
<b>ASME-C64046000</b>	Subcommittee 100 - Government/Industry Drawing Practices (Y14)
<b>ASME-HEC</b>	Heat Exchanger Committee
<b>ASME-L01201100</b>	Subcommittee B30.11 - Monorails and Underhung Cranes
<b>ASME-N10010000</b>	Pressure Technology Post Construction
<b>ASME-N10020400</b>	B31.3 Chemical Plant and Petroleum Refinery Piping Section Committee
<b>ASME-N10020428</b>	B31.3 Subgroup on Activities
<b>ASME-N10021500</b>	B31 Mechanical Design Technical Committee
<b>ASME-N10100000</b>	High Pressure Systems Main Committee (HPS)
<b>ASME-N10106000</b>	Subcommittee on Hazardous Release Protection - Section 6000 (HPS)
<b>ASME-N20000000</b>	The Boiler and Pressure Vessel Main Committee
<b>ASME-N20001000</b>	Honors and Awards Committee
<b>ASME-N20060000</b>	Subcommittee on Materials (SC II)
<b>ASME-N20060600</b>	Subgroup on Strength of Weldments (SC II) (SC IX)
<b>ASME-N20070000</b>	Subcommittee on Nuclear Power (SC III)
<b>ASME-N20070200</b>	Subgroup on Materials, Fabrication and Examination (SC III)
<b>ASME-N20070320</b>	Working Group on Vessels (SG-D) (SC III)
<b>ASME-N20070600</b>	Subgroup on Elevated Temperature Construction (SC III)
<b>ASME-N20070700</b>	Subgroup on Containment Systems for Spent Fuel and High Level Waste Transport Packagings (SC III)
<b>ASME-N20070720</b>	Working Group on Material (SG-NUPACK) (SC III)
<b>ASME-N20070730</b>	Working Group on Design (SG-NUPACK) (SC III)
<b>ASME-N20070740</b>	Working Group on Fabrication and Examination (SG NUPACK) (SC III)
<b>ASME-N20080000</b>	Joint ACI-ASME Committee on Concrete Components for Nuclear Service (SC-3C)
<b>ASME-N20080200</b>	Subgroup on Design (SC-3C)
<b>ASME-N20100600</b>	Subgroup on General Requirements & Surface Examination (SC V)
<b>ASME-N20110000</b>	Subcommittee on Pressure Vessels (SCVIII)
<b>ASME-N20110300</b>	Subgroup on Design (SC VIII)

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<b>ASME-N20120000</b>	Subcommittee on Welding (SC IX)
<b>ASME-N20120100</b>	Subgroup on Materials (SC IX)
<b>ASME-N20120200</b>	Subgroup on General Requirements (SC IX)
<b>ASME-N20120500</b>	Subgroup on Brazing (SC IX)
<b>ASME-N20140000</b>	Subcommittee on Nuclear Inservice Inspection (SC XI)
<b>ASME-N20140200</b>	Subgroup on Water-Cooled Systems (SC XI)
<b>ASME-N20140240</b>	Working Group on Pressure Testing (SG-WCS) (SC XI)
<b>ASME-N20140250</b>	Working Group on Implementation of Risk Based Examination (SG-WCS) (SC XI)
<b>ASME-N20140260</b>	Working Group on Concrete Containment
<b>ASME-N20140605</b>	Working Group on Operating Plant Criteria (SG-ES) (SC XI)
<b>ASME-N20140625</b>	Working Group on Flaw Evaluation (SG-ES) (SC XI)
<b>ASME-N20140701</b>	Working Group on Procedure Qualification and Volumetric Examination (SG-NDE) (SC XI)
<b>ASME-N20190000</b>	Subcommittee on Design (SC-D)
<b>ASME-N20190400</b>	Subgroup on Elevated Temperature Design (SC-D)
<b>ASME-N20190500</b>	Subgroup on Fatigue Strength (SC-D)
<b>ASME-O10000000</b>	Board on Nuclear Codes and Standards
<b>ASME-O10200000</b>	Main Committee of Committee on Nuclear Air and Gas Treatment Equipment
<b>ASME-O10220000</b>	Executive Committee on Nuclear Air and Gas Treatment
<b>ASME-O10250000</b>	Subcommittee on Common Equipment
<b>ASME-O10252500</b>	Subgroup on Housing
<b>ASME-O10270000</b>	Subcommittee on General Support Services
<b>ASME-O10272000</b>	Subgroup on Structural Design
<b>ASME-O10300000</b>	Main Committee of Committee on Operation and Maintenance of Nuclear Power Plants
<b>ASME-O10310000</b>	Subcommittee on OM Codes
<b>ASME-O10500000</b>	Main Committee of Committee on Nuclear Quality
<b>ASME-O10520000</b>	Executive Committee on Nuclear Quality Assurance
<b>ASME-O10546000</b>	Working Group on Quality Assurance Requirements for Research and Development
<b>ASME-O10551000</b>	Subcommittee on Engineering and Procurement Processes
<b>ASME-O10555000</b>	Subcommittee on Applications

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<b>ASME-O10560000</b>	Subcommittee on Work Practices
<b>ASME-O10561000</b>	Working Group on Work Practices
<b>ASME-O10562000</b>	Working Group on Computer Software
<b>ASME-O10580000</b>	Subcommittee on Operations
<b>ASME-O10586000</b>	Working Group on Decommissioning
<b>ASME-O10590000</b>	Subcommittee on Nuclear Waste Management
<b>ASME-O10592000</b>	Working Group on High Level Waste
<b>ASME-O10600000</b>	Main Committee of Committee on Cranes for Nuclear
<b>ASME-O10670000</b>	Subcommittee on Nuclear Underhung and Monorail Cranes
<b>ASME-O10680000</b>	Subcommittee on Nuclear Overhead and Gantry Cranes
<b>ASME-O10800000</b>	ASME III Committee on Qualification of Mechanical Equipment Used in Nuclear Power Plants
<b>ASME-P01000000</b>	Board on Performance Test Codes
<b>ASME-P01610000</b>	PTC 47
<b>ANSI-N42.RM</b>	Subcommittee on Radiation Measurements
<b>ASNT</b>	The American Society for Nondestructive Testing
<b>ASNT-CMC</b>	Certification Management Council
<b>ASNT-NCB</b>	National Certification Board
<b>ASQ</b>	American Society for Quality
<b>ASQ-E&amp;E</b>	Energy and Environmental Division
<b>ASQ-E&amp;E-EWM-ER</b>	Environmental Restoration
<b>ASQ-E&amp;E-S&amp;A</b>	Sampling and Analysis Committee
<b>ASQ-QA</b>	Quality Audit Division
<b>ASQ-TC176</b>	Technical Advisory Group on Quality Management and Quality Assurance
<b>ASSE</b>	American Society of Safety Engineers
<b>ASTM</b>	American Society for Testing and Materials
<b>ASTM-B02.07</b>	Refined Nickel and Cobalt, and Alloys Containing Nickel or Cobalt or Both as Principal Constituents
<b>ASTM-C09.20</b>	Normal Weight Aggregates
<b>ASTM-C09.41</b>	Concrete for Radiation Shielding
<b>ASTM-C09.60</b>	Fresh Concrete Testing
<b>ASTM-C09.92</b>	International Activities

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<b>ASTM-C14</b>	Committee on Glass and Glass Products
<b>ASTM-C14.01</b>	Nomenclature and Definitions
<b>ASTM-C14.02</b>	Chemical Properties and Analysis
<b>ASTM-C16</b>	Committee on Thermal Insulation and Measurements
<b>ASTM-C16.21</b>	Reflective Insulation
<b>ASTM-C16.22</b>	Organic and Nonhomogeneous Inorganic Thermal
<b>ASTM-C16.23</b>	Blanket and Loose Fill Insulation
<b>ASTM-C16.24</b>	Health and Safety Hazard Potentials
<b>ASTM-C16.30</b>	Thermal Measurement
<b>ASTM-C16.32</b>	Mechanical Properties
<b>ASTM-C16.33</b>	Thermal Insulation Finishes and Vapor Transmission
<b>ASTM-C16.90</b>	Executive Board
<b>ASTM-C16.92</b>	Planning
<b>ASTM-C16.94</b>	Terminology
<b>ASTM-C16.95</b>	Editorial
<b>ASTM-C26</b>	Committee on Nuclear Fuel Cycle
<b>ASTM-C26.01</b>	Editorial and Terminology
<b>ASTM-C26.02</b>	Fuel and Fertile Material Specifications
<b>ASTM-C26.03</b>	Neutron Absorber Materials Specifications
<b>ASTM-C26.05</b>	Tests and Measurements
<b>ASTM-C26.05.01</b>	Environmental Methods
<b>ASTM-C26.05.02</b>	Plutonium Working Group
<b>ASTM-C26.05.03</b>	Plasma Spectroscopy
<b>ASTM-C26.05.04</b>	Uranium Working Group
<b>ASTM-C26.07</b>	Waste Materials (Testing)
<b>ASTM-C26.08</b>	Nuclear Fuel Cycle/Quality Assurance, Statistical Applications, and Reference Materials
<b>ASTM-C26.09</b>	Nuclear Processing
<b>ASTM-C26.10</b>	Non-Destructive Assay
<b>ASTM-C26.11</b>	Reference Materials and Calibration Methodologies
<b>ASTM-C26.12</b>	Safeguard Applications
<b>ASTM-C26.13</b>	Repository Waste Package Materials Testing

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<b>ASTM-C26.14</b>	Remote Systems
<b>ASTM-D02</b>	Committee on Products and Lubricants
<b>ASTM-D02.02</b>	Joint ASTM-API Committee on Static Petroleum
<b>ASTM-D02.04</b>	Hydrocarbon Analysis
<b>ASTM-D02.08</b>	Volatility
<b>ASTM-D18</b>	Committee on Soil and Rock
<b>ASTM-D18.01</b>	Surface and Subsurface Characterization for Environmental Purposes
<b>ASTM-D18.02</b>	Sampling and Related Field Testing for Soil Investigations
<b>ASTM-D18.21</b>	Ground Water and Vadose Zone Investigations
<b>ASTM-D18.21.03</b>	Monitoring Well Drilling & Soil Sampling Procedures
<b>ASTM-D18.21.06</b>	Monitoring Well Maintenance, Rehabilitation and
<b>ASTM-D18.21.07</b>	Ground Water Sample Collection and Handling
<b>ASTM-D18.21.08</b>	Network Design and Data Interpretation
<b>ASTM-D18.92</b>	Papers
<b>ASTM-D19</b>	Committee on Water
<b>ASTM-D19.04</b>	Methods of Radiochemical Analysis (in Water)
<b>ASTM-D22</b>	Committee on Sampling and Analysis of Atmospheres
<b>ASTM-D22.05.05</b>	Air Quality/Indoor Air/Radionuclides
<b>ASTM-D22.11</b>	Meteorology
<b>ASTM-D33</b>	Committee on Protective Coating and Lining Work for Power Generation Facilities
<b>ASTM-D33.02</b>	Service and Material Parameters
<b>ASTM-D33.03</b>	Quality Systems
<b>ASTM-D33.10</b>	Protective Coatings Maintenance Work for Power Generation Facilities
<b>ASTM-D33.11</b>	Decontamination of Coated Surfaces
<b>ASTM-D34</b>	Committee on Waste Management
<b>ASTM-D34.07</b>	Mixed Radioactive Hazardous Waste
<b>ASTM-E05</b>	Committee on Fire Standards
<b>ASTM-E05.13</b>	Large Scale Fire Tests
<b>ASTM-E05.15</b>	Furnishings and Contents
<b>ASTM-E05.33</b>	Fire Safety Engineering

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<b>ASTM-E06</b>	Committee on Performance of Building Constructions
<b>ASTM-E06.21</b>	Serviceability
<b>ASTM-E07</b>	Committee on Non-Destructive Testing
<b>ASTM-E07.01.03</b>	Computed Tomography
<b>ASTM-E07.05</b>	Radiology (Neutron) Method
<b>ASTM-E08</b>	Committee on Fatigue and Fracture
<b>ASTM-E08.05</b>	Cyclic Deformation and Fatigue Crack Formation
<b>ASTM-E08.05.03</b>	Structural Films and Electronic Materials
<b>ASTM-E08.08</b>	Elastic-Plastic Fracture Mechanics Technology
<b>ASTM-E10</b>	Committee on Nuclear Technology and Applications
<b>ASTM-E10.01</b>	Dosimetry for Radiation Processing
<b>ASTM-E10.02</b>	Behavior and Use of Nuclear Structural Materials
<b>ASTM-E10.03</b>	Radiological Protection for Decontamination & Decommissioning of Nuclear Facilities & Components
<b>ASTM-E10.03.08</b>	Characterization
<b>ASTM-E10.03.09</b>	Unrestricted Release
<b>ASTM-E10.03.10</b>	Security, Surveillance and Maintenance
<b>ASTM-E10.03.11</b>	Radiation Surveys
<b>ASTM-E10.04</b>	Radiation Protection Methodology
<b>ASTM-E10.05</b>	Nuclear Radiation Metrology
<b>ASTM-E10.07</b>	Radiation Dosimetry for Radiation Effects on Materials and Devices
<b>ASTM-E10.08</b>	Procedures for Neutron Radiation Damage Simulation
<b>ASTM-E10.90</b>	Executive Subcommittee
<b>ASTM-E11</b>	Committee on Quality and Statistics
<b>ASTM-E13</b>	Committee on Molecular Spectroscopy
<b>ASTM-E13.08</b>	Raman Spectroscopy
<b>ASTM-E13.09</b>	Fiber Optics in Molecular Spectroscopy
<b>ASTM-E21</b>	Committee on Space Simulation and Applications of Space Technology
<b>ASTM-E21.08</b>	Thermal Protection
<b>ASTM-E34</b>	Committee on Occupational Health and Safety

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<b>ASTM-E36</b>	Committee on Laboratory and Inspection Agency Evaluation and Accreditation
<b>ASTM-E37</b>	Committee on Thermal Measurements
<b>ASTM-E37.01</b>	Test Methods and Recommended Practices
<b>ASTM-E37.01.18</b>	Task Group on Dielectric Measurements
<b>ASTM-E37.02</b>	Standard Reference Materials
<b>ASTM-E37.03</b>	Nomenclature and Definitions
<b>ASTM-E37.04</b>	Technical Programs
<b>ASTM-E37.06</b>	Editorial
<b>ASTM-E37.07</b>	Liaison
<b>ASTM-E42</b>	Committee on Surface Analysis
<b>ASTM-E42.08</b>	Ion Beam Sputtering
<b>ASTM-E44</b>	Committee on Solar, Geothermal and Other Alternative Energy Sources
<b>ASTM-E44.09</b>	Photovoltaic Electric Power Systems
<b>ASTM-E47</b>	Committee on Biological Effects and Environmental Fate
<b>ASTM-E47.13</b>	Assessment of Risk to Human Health and the Environment from Hazardous Waste Sites
<b>ASTM-E47.14</b>	Balancing and Communicating Environmental Risk Management Decisions
<b>ASTM-E50</b>	Committee on Environmental Assessment
<b>ASTM-E53</b>	Property Management Systems
<b>ASTM-F01</b>	Committee on Electronics
<b>ASTM-F01.03</b>	Metallic Materials (Inactive)
<b>ASTM-F01.11</b>	Quality and Hardness Assurance
<b>ASTM-F17</b>	Committee on Plastic Piping Systems
<b>ASTM-F23</b>	Committee on Protective Clothing
<b>ASTM-G02.30</b>	Abrasive Wear
<b>ASTM-G02.40</b>	Non-Abrasive Wear
<b>ASTM-G02.50</b>	Friction
<b>ASTM-G02.91</b>	Terminology
<b>AWEA</b>	American Wind Energy Association
<b>AWS</b>	American Welding Society

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<b>AWS-B2.0</b>	Committee on Welding Procedures and Qualification
<b>AWS-C03</b>	Committee on Brazing and Soldering
<b>AWS-C03B</b>	Soldering Subcommittee
<b>AWS-C03E</b>	Materials Subcommittee
<b>AWS-C05</b>	Committee on Arc Welding and Cutting
<b>AWS-C06</b>	Committee on Friction Welding
<b>AWS-C07</b>	Committee on High Energy Beam Welding and Cutting
<b>AWS-C07B</b>	Subcommittee on Electron Beam Welding and Cutting
<b>AWS-C07C</b>	Subcommittee on Laser Beam Welding and Cutting
<b>AWS-D01</b>	Committee on Structural Welding
<b>AWS-D01L</b>	Subcommittee 12 on Stainless Steel
<b>AWS-D09</b>	Welding, Brazing, and Soldering of Sheet Metal
<b>AWS-SH</b>	Safety and Health Committee
<b>AWS-SH1</b>	Subcommittee on Fumes and Gases
<b>AWWA</b>	American Water Works Association
<b>CAM-I</b>	Consortium for Advanced Manufacturing - International
<b>CAM-I-DMSC</b>	Dimensional Measurement Interface Standard - National Standards Committee
<b>CAM-I-QAP</b>	Quality Assurance Program
<b>CIRMS</b>	Council on Ionizing Radiation Measurements and Standards
<b>CSI</b>	Construction Specifications Institute
<b>CTI</b>	Cooling Tower Institute
<b>EIA</b>	Electronic Industries Association
<b>EIA-GEIA-G12</b>	Solid State Devices
<b>HFS</b>	Human Factors Society
<b>HPS</b>	Health Physics Society
<b>HPS-N13</b>	Radiation Protection (HPS)
<b>HPS-N13.1</b>	Guide to Sampling Airborne Radioactive Materials in Nuclear Facilities
<b>HPS-N13.22</b>	Internal Dosimetry Program for Uranium (N341)
<b>HPS-N13.25</b>	Plutonium Internal Dosimetry
<b>HPS-N13.27</b>	Dosimeters and Alarm Ratemeters, Performance Requirements for Pocket Sized Alarms



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<b>HPS-N13.32</b>	Performance Testing of Extremity Dosimetry
<b>HPS-N13.37</b>	Performance Testing and Procedural Specifications for Thermoluminescence Dosimetry: Environmental
<b>HPS-N13.39</b>	Working Group on Internal Dosimetry
<b>HPS-N13.40</b>	Standard for Thorax Phantoms used for Radiological Monitoring of Internally Deposited Radionuclides
<b>HPS-N13.xx</b>	Fetal Radiation Dose Calculations
<b>HPS-N43</b>	Equipment for Non-Medical Radiation Applications
<b>HPS-SC</b>	Standards Committee
<b>HPS-SSC-ED</b>	External Dosimetry
<b>HPS-SSC-NORM</b>	Naturally Occurring Radioactive Material (NORM) Working Group
<b>IAEA</b>	International Atomic Energy Agency
<b>IAEA-DNE</b>	Division of Nuclear Energy
<b>IAEA-DNE-IRMP</b>	International Radon Metrology Programme Reference Library
<b>IAEA-TRANSSAC</b>	Transportation Safety Series Advisory Committee
<b>ICBO</b>	International Conference of Building Officials
<b>ICDD</b>	International Center for Diffraction Data
<b>ICDD-TC</b>	Technical Committee
<b>ICRP</b>	International Commission on Radiological Protection
<b>IEA</b>	International Energy Agency
<b>IEA-PVPS</b>	Photovoltaic Power Systems
<b>IEA-PVPS-Task 1</b>	Exchange and Dissemination of Information on Photovoltaic Systems
<b>IEA-PVPS-Task 5</b>	Grid Interconnection of Building Integrated and Other Dispersed PV Power Systems
<b>IEC</b>	International Electrotechnical Commission
<b>IEC-JWG</b>	Batteries
<b>IEC-TC15</b>	Insulating Materials
<b>IEC-TC15-SC15B-WG2</b>	Radiation
<b>IEC-TC45</b>	Nuclear Instrumentation
<b>IEC-TC45-SC45A</b>	Reactor Instrumentation
<b>IEC-TC45-SC45B</b>	Radiation Protection Instrumentation
<b>IEC-TC57</b>	Power System Control and Associate Communications

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<b>IEC-TC57-WG15</b>	Data and Communication Security
<b>IEC-TC82</b>	Technical Committee on PV Energy Systems
<b>IEC-TC82.2</b>	U.S. Technical Advisory Group
<b>IEC-TC104</b>	Environmental Conditions, Classification and Methods of
<b>IEEE</b>	Institute of Electrical and Electronics Engineers
<b>IEEE-C</b>	Computer Society
<b>IEEE-C/SE</b>	Software Engineering
<b>IEEE-C/SE-1175</b>	Reference Model for Computing System Tool
<b>IEEE-C2</b>	National Electrical Safety Code
<b>IEEE-IA/C&amp;S</b>	Codes and Standards
<b>IEEE-IA/IC</b>	Industrial Control
<b>IEEE-IA/PSE</b>	Power Systems Engineering
<b>IEEE-IA/PSE-GS</b>	Grounding Subcommittee
<b>IEEE-IA/PSE-PSDS</b>	Power Systems Design Subcommittee
<b>IEEE-IA/PSE-PSGS</b>	Power System Grounding Subcommittee
<b>IEEE-IA/PSP-P1015</b>	P1015 (Blue Book) Working Group
<b>IEEE-IM/WM&amp;A</b>	TC10 - Waveform Measurement and Analysis
<b>IEEE-IM/WM&amp;A-A/DC</b>	Subcommittee on A/D Converters
<b>IEEE-IM/WM&amp;A-SCPT</b>	Subcommittee on Pulse Techniques
<b>IEEE-PE</b>	Power Engineering Society
<b>IEEE-PE/ED&amp;PG</b>	Energy Development and Power Generation
<b>IEEE-PE/NPE</b>	Nuclear Power Engineering Committee
<b>IEEE-PE/NPE-SC2.1</b>	Working Group on Qualification of Modules
<b>IEEE-PE/NPE-SC5</b>	Human Factors, Control Systems, and Reliability
<b>IEEE-PE/NPE-SC5.2</b>	Working Group on Principles of Reliability Analysis
<b>IEEE-PE/NPE-SC7.4</b>	Working Group on Human Reliability Analysis
<b>IEEE-PE/SUB</b>	Substations Committee
<b>IEEE-PE/SUB-C1</b>	Working Group C1 on Application of Computer-Aided Systems to Substations
<b>IEEE-PE/T&amp;D</b>	Transmission & Distribution Committee
<b>IEEE-PE/T&amp;D-DCT</b>	Direct Current and Flexible AC Transmission Subcommittee
<b>IEEE-PE/T&amp;D-ESMOL</b>	Engineering in the Safety Maintenance Operation of Lines Subcommittee

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<b>IEEE-PE/T&amp;D-TPC</b>	Towers, Poles, and Conductors Subcommittee 15.11
<b>IEEE-PE/T&amp;D-TPC-WGOCT</b>	Working Group on Calculation of Bare Overhead Conductor Temperatures
<b>IEEE-PE/T&amp;D-TPC-WGWS</b>	Working Group on Wood Structures
<b>IEEE-PE/TR</b>	Transformers Committee
<b>IEEE-PE/TR-BU</b>	Bushing Subcommittee
<b>IEEE-PE/TR-BU-WGBAG</b>	Working Group on Bushing Application Guide
<b>IEEE-PE/TR-BU-WGDCA</b>	Working Group on Bushings for DC Applications
<b>IEEE-PE/TR-DT-WGRDT</b>	Working Group on Revision of Dielectric Tests
<b>IEEE-PE/TR-HVDC</b>	HVDC Converter Transformers and Smoothing Reactor Subcommittee
<b>IEEE-PE/TR-IL</b>	Insulation Life Subcommittee
<b>IEEE-PE/TR-PC</b>	Performance Characteristics Subcommittee
<b>IEEE-SCC21</b>	Fuel Cells, Photovoltaics, Dispensed Generation and Energy Storage
<b>IEEE-SCC29</b>	Stationary Batteries
<b>IEEE-UFFC-FE</b>	Ferroelectrics Committee
<b>IIE</b>	Institute of Industrial Engineers
<b>INMM</b>	Institute of Nuclear Materials Management
<b>INMM-N14</b>	Packaging and Transportation of Radioactive Materials
<b>INMM-N14.5</b>	Leakage Tests on Packages for Shipment of Radioactive Materials
<b>INMM-N14.30</b>	Truck Transport of Weight-Concentrated Radioactive Loads
<b>INMM-N15.1</b>	Analytical Chemistry Laboratory Measurement Control
<b>INMM-N15.5.1</b>	Analytical Laboratories Measurement Control
<b>IPC</b>	The Institute for Interconnecting and Packaging Electronic Circuits
<b>IPC-A-600</b>	Acceptability of Printed Boards
<b>IPC-D35X</b>	Records Description
<b>ISA</b>	The Instrumentation, Systems, and Automation Society
<b>ISA-SP37</b>	ISA Standards and Practices
<b>ISA-SP37.16</b>	Pressure Transducers
<b>ISA-SP67</b>	Nuclear Power Plant Standards

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<b>ISA-SP67.01</b>	Transducer and Transmitter Installation for Nuclear Safety Applications
<b>ISA-SP67.04</b>	Setpoints for Safety-Related Instrumentation Used in Nuclear Power Plants
<b>ISA-SP67.04.01</b>	Setpoints for Nuclear Safety-Related Instrumentation
<b>ISA-SP67.04.02</b>	Methodologies for the Determination of Setpoints for Nuclear Safety-Related Instrumentation
<b>ISA-SP67.06</b>	Performance Monitoring for Nuclear Safety-Related Instrument Channels in Nuclear Power Plants
<b>ISA-SP67.16</b>	Safety Related Digital Based System Upgrades at Nuclear Power Plants
<b>ISA-SP67.16-WG2</b>	Commercial Grade Dedication
<b>ISA-SP67.16-WG4</b>	Digital System Design Guide
<b>ISA-SP84</b>	Programmable Electronic Systems (PES) for Use in Safety Applications
<b>ISA-SP84.01</b>	Application of Safety Instrument System for the Process Industries
<b>ISA-SP84.02</b>	System Reliability Analysis Guide
<b>ISA-SP91</b>	Criticality Ranking for Instrumentation
<b>ISA-SP91.01</b>	Identification of Emergency Shutdown Systems
<b>ISA-SP91.02</b>	Controls that are Critical to Maintaining Safety in Process Industries
<b>ISA-SP95</b>	Enterprise/Control Integration Committee
<b>ISA-TR67.04.03</b>	Indication Uncertainties and Their Relationship with Indicated Values
<b>ISA-TR67-04.09</b>	Graded Approaches to Setpoint Determination
<b>ISO</b>	International Organization for Standardization
<b>ISO/IEC</b>	International Organization for Standardization/International Electrotechnical Commission
<b>ISO/IEC-JTC.1-SC34</b>	Document Description and Processing Languages
<b>ISO/IEC-JTC.1-SC29-WG1</b>	Coding of Still Pictures
<b>ISO/IEC-JTC.1-SC29-WG11</b>	Coding of Moving Pictures and Audio
<b>ISO-TC69</b>	Applications of Statistical Methods
<b>ISO-TC85</b>	Nuclear Energy
<b>ISO-TC85-SC2-WG2</b>	Reference Radiations

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<b>ISO-TC85-SC2-WG13</b>	Performance Requirements for Internal Dose Evaluation of Bioassay Results
<b>ISO-TC85-SC2-WG14</b>	Air Monitoring and Control
<b>ISO-TC85-SC5</b>	Nuclear Fuel Technology
<b>ISO-TC85-SC5-WG1</b>	Measurement Techniques for Chemical and Isotopic Analysis of UO <sub>2</sub> and UF <sub>6</sub>
<b>ISO-TC85-SC5-WG3</b>	Analytical Laboratory Standards
<b>ISO-TC85-SC5-WG8</b>	Standardization of Calculations, Procedures and Practices Related to Criticality Safety
<b>ISO-TC85-SC5-WG10</b>	Leak Tightness Definitions for and Leakage Tests on Packages for the Transport of Radioactive Materials
<b>ISO-TC85-SC5-WG12</b>	Measurement Methods for MOX
<b>ISO-TC85-WG1</b>	Terminology, Definitions, Units, and Symbols
<b>ISO-TC108-SC3-WG6</b>	Shock and Vibration Sensor Calibration
<b>ISO-TC176</b>	Quality Methods and Quality Assurance
<b>ISO-TC184-SC4-WG3</b>	Product Modeling
<b>ISO-TC184-SC4-WG5</b>	STEP Development Methods
<b>ISO-TC201</b>	Surface Chemical Analysis
<b>ISO-TC201-SC5</b>	Auger Electron Spectrometry
<b>ITI</b>	Information Technology Industry Council
<b>ITI-X3T9</b>	I/O Interface
<b>ITI-X3V1.8</b>	Text Description and Programming Languages
<b>NACE</b>	National Association of Corrosion Engineers
<b>NACE T-2</b>	Energy Technology
<b>NACE T-2F-1/T-5-1</b>	Materials Problems in Waste Incinerator Fireside and Air Pollution Control Equipment
<b>NACLA</b>	National Council of Laboratory Accreditation
<b>NACLA-QC</b>	Quality Committee
<b>NBBPVI</b>	The National Board of Boiler & Pressure Vessel Inspectors
<b>NCRP</b>	National Council on Radiation Protection and Measurements
<b>NCRP-SC1</b>	Radiobiology, Epidemiology, Risk, and Basic Radiation Protection Criteria
<b>NCRP-SC43</b>	Natural Background Radiation
<b>NCRP-SC46-8</b>	Radiation Protection Design Guidelines for Particle Acceleration Facilities

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<b>NCRP-SC57-13</b>	Neptunium
<b>NCRP-SC57-16</b>	Uncertainties in the Application of Metabolic Modes
<b>NCRP-SC64-22</b>	Design of Effective Effluent and Environmental Monitoring Programs
<b>NCRP-SC84-1</b>	Contaminated Soil
<b>NCRP-SC87-3</b>	Performance Assessment
<b>NCRP-SC87-4</b>	Radioactive Scrap Metal
<b>NCRP-SC89</b>	Nonionizing Electromagnetic Fields
<b>NCRP-SC89-1</b>	Biological Effects of Magnetic Fields
<b>NCRP-SC89-3</b>	Extremely Low Frequency Electric and Magnetic Fields
<b>NCSL</b>	National Conference of Standards Laboratories
<b>NCSL-140</b>	Measurement Science and Technology
<b>NCSL-174</b>	Writing Committing
<b>NCSL-ID</b>	Intrinsic/Derived Standards Committee
<b>NCSL-PC-O</b>	Technical Publication Oversight
<b>NCSL-Z540</b>	TQM Committee on Calibration Systems Requirements
<b>NCSL-Z540-1</b>	Handbook Committee
<b>NEMA</b>	National Electrical Manufacturers Association
<b>NFPA</b>	National Fire Protection Association
<b>NFPA-AIC-AAA</b>	Air Conditioning
<b>NFPA-AUT-HBS</b>	Hanging and Bracing of Water-Based Fire Protection
<b>NFPA-CHE-AAA</b>	Chemistry Laboratories
<b>NFPA-EAC</b>	Environmental Advisory Council
<b>NFPA-EEW-AAA</b>	Electrical Safety Requirements for Employee Workplaces
<b>NFPA-FAC-AAA</b>	Fire and Engineering Service Organization and Deployment
<b>NFPA-FDW-AAA</b>	Fire Doors and Windows
<b>NFPA-FIP-AAA</b>	Fire Protection for Nuclear Facilities
<b>NFPA-FIQ-AAA</b>	Fire Pumps
<b>NFPA-FIS-AAA</b>	Fire Safety Symbols
<b>NFPA-FIU-AAA</b>	Fire Service Occupational Medical and Health
<b>NFPA-FIW-AAA</b>	Fire Service Protective Clothing and Equipment
<b>NFPA-FRU-AAA</b>	Forest and Rural Fire Protection

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<b>NFPA-HAO-AAA</b>	Halon Alternative Protection Options
<b>NFPA-LIG-AAA</b>	Lightning Protection
<b>NFPA-LPI-AAA</b>	Liquid Fuel Burning Equipment
<b>NFPA-NEC-P01</b>	National Electrical Code - Panel 1
<b>NFPA-NEC-P03</b>	National Electrical Code - Panel 3
<b>NFPA-NEC-P18</b>	National Electrical Code - Panel 18
<b>NFPA-NFA-FUN</b>	Fundamentals of Fire Alarm Systems
<b>NFPA-NFA-PRO</b>	Protected Premises Fire Alarm Systems
<b>NFPA-NFA-TMS</b>	Testing and Maintenance of Fire Alarm Systems
<b>NFPA-PIP-AAA</b>	Pre-Incident Planning
<b>NFPA-PUF-AAA</b>	Public Fire Service Communications
<b>NFPA-SAF-ALS</b>	Alternative Approaches to Life Safety
<b>NFPA-WAM-AAA</b>	Water Mist Fire Suppression Systems
<b>NFPA-WAT-AAA</b>	Water Tanks
<b>NHA</b>	National Hydrogen Association
<b>NIRMA</b>	Nuclear Information and Records Management Association, Board of Directors
<b>NIRMA-BD</b>	
<b>NIRMA-DC</b>	Decommissioning Committee
<b>NIRMA-FPC</b>	Federal Programs Committee
<b>NSC</b>	National Safety Council
<b>NSC-A10.9</b>	Safety Requirements for Concrete and Masonry Operations
<b>NSF</b>	NSF International
<b>PMI</b>	Project Management Institute-Committee Number 15- Editors for Standards
<b>PMI-PM</b>	Project Management
<b>RIA</b>	Robotics Industry Association
<b>RIA-R15</b>	Executive Committee for Standards Development
<b>RIA-R15.06</b>	Safety Subcommittee
<b>SAE</b>	Society of Automotive Engineers
<b>SES</b>	Standards Engineering Society
<b>SFPE</b>	Society of Fire Protection Engineers
<b>SIA</b>	Security Industry Association

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<b>SIA-C/CS</b>	Controls/Communicators Standards Subcommittee
<b>SIA-GS</b>	Glassbreak Standards Subcommittee
<b>SPRI</b>	Single Ply Roofing Institute
<b>SPRI-TC-INSUL</b>	Insulation
<b>UL</b>	Underwriters Laboratories
<b>UL-BP</b>	Burglary Protection Council
<b>WRC</b>	Welding Research Council
<b>WRC-WP</b>	Welding Procedures



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**CONCLUDING MATERIAL**

**Preparing Activity:**

DOE-EH-22

**Project Number:**

SDMP-0034

Forms DOE F1300.2 and DOE F1300.3 may be downloaded from the Technical Standards Program Home Page at the following URL:

<http://www.eh.doe.gov/techstds/news/announce.html>