M&C EXECUTIVE COMMITTEE MEETING MINUTES

Washington, DC, Nov 13, 2005

- 1. The meeting was called to order at 14:06, in the Council Room, Omni Shoreham Hotel, Washington, DC, with attached agenda. Attendee list follows this agenda.
- 2. The Minutes of the previous meeting (June 5, 2005) were approved (R. Singleterry, P. Ravetto)
- 3. Standard Bylaws & Rules (B&R):
 - Goal is to minimize bylaws and standardize across all divisions
 - Reduce bylaws to minimum and return control of rules to division membership
 - A. Haghighat attended 11/12/05 PD workshop discussion on continuing evolution of standard bylaws
 - Subcommittee was formed to review current MCD B&R and prepare new MCD-specific Rules based on existing MCD B&R to accompany standard bylaws: W. Martin, B. Kirk, G. Sljoden
 - Current draft of standard B&R are included as Attachment A.
- 4. Procedures for new Technical Group (TG)
 - 1. A. Haghighat would like to have more comments from committee members before he brings this to a vote. (Attachment B)
- 5. Procedures for new Working Group (WG)
 - A. Haghighat would like to have more comments from committee members before he brings this to a vote. (Attachment C)
 - B. Kirk raised a question about the financial responsibility for the WG.

- 6. 2006 ANS Student Conference
 - Students from Rensselear Polytechnic Institute provided information and requested financial support
 - Details:

Dates: March 30-April 1 Location: Troy, NY

Web: http://ans.union.rpi.edu/Conference

- Professional members are being solicited as judges
- Expecting 250-300 attendees (mostly students)
- Northeast New York Local Section is organizing a symposium in conjunction with this conference

Topic: "Economics in the nuclear industry"

Date: March 30, 2006 (Thurs) Web: http://local.ans.org/neny

Confirmed speakers:

- Entergy Nuclear VP Nuclear
- E. Grachek (Dominion)

Soliciting professional attendees in addition to students

- 7. Survey of division members
 - A. Haghighat recommends using ANS survey capabilities to solicit input from all MCD members
 - MCD Exec members should suggest questions and kinds of information that should be solicited
- 8. Young Member Group (YMG)
 - The Young Member Group (YMG) organized a professional development workshop on Sat, Nov 12, aimed at young membes.
 - All professional division chairs were all invited to mixer on Saturday night
 - A. Haghighat and B. Kirk attended mixer and report that:
 - o Attendees were excited and enthusiastic
 - YMG may share important issues with MCD and we can work with them to improve ANS quality
 - P. Wilson volunteered to act as YMG liaison
- 9. Harold MacFarlane (Board Liaison & VP/President-Elect)
 - Acknowledged appreciation for our consideration already underway of issues being raised in strategic planning process
 - Acknowledged strong technical contribution of M&CD
 - Possible role in revitalizing grassroots: local sections & plant branches
- 10. President's meeting with Div Chairs (A. Haghighat)
 - 1. Strategic planning had identified 3 meas 12 20 11
 - 2. Asked what divisions were currently doing in support of above strategies
 - 3. Identified some ongoing efforts ??

11. November 2005 Roundtable (W. Martin)

- Some confusion about topic
 - o G. Sljoden was tapped for parallel computing
 - Miscommunication led to it not happening
 - W. Martin proposing alternative
 - December workshop at LLNL on ASCI-like program for nuclear reactors and across the fuel cycle
 - Based on work by Vic Reis who was tasked by DOE to rejuvenate NE industry
 - Report from workshop hopes to stimulate congressional funding

12. Treasurers Report (D. Peplow)

- Attachment D
- Highlights:
 - o Finances from M&C2005 funding of scholarship
 - o Expecting money from Monte Carlo 2005
 - o Income opportunities in 2006 looks meager
 - o Proposed 2006 budget
- Discussion:
 - Q (R. Singleterry) How far away is MCD from fully endowing its scholarship? We are currently well short (according to current calculations) and a \$1000 will not make a big difference.
 - O Q (A. Haghighat) What is the correct level of student conference support? Previous conference was \$2k. \$1k is considered sufficient given current division finances.
 - O Q (J. Favorite) What is the desired/target annual carry-over? There have been years when it is \$25k. Probably want to have enough cash on hand to pre-fund a topical about \$6-7k.
- Treasurers report was approved unanimously (R. Singleterry, R. Sanchez)

13. Landis Challenge

MCD received several email from officers and executives praising our contribution to Landis Challenge which was the contribution necessary to complete the match.

14. Program committee (T. Palmer)

- 2005 Winter meeting: 5 sessions: roundtable, special session (radiation detection simulation), 2 x Wed (Trans Methods, Comp Methods 1), Comp Methods 2 on Thurs AM
- Decline in special sessions looking for input
 - o Especially for ABQ meeting in 1 year (ASAP, by (or soon after) 11/16/2005)
- Reno: 1 special session (computational Med Phys benchmarks), [F. Brown: PD Workshop on MCNP]
- accepted, 18 w/ revision, 12 reject unless revised, 1 rejected
- M&C 2007 + SNA 2007 (Brian Wirth, UC-Berkeley)
 - o calendar change to April 15-19,2005
 - o Issue: review abstracts only vs review full papers
 - Program committee recommends only reviewing abstracts
 - Motion: Change "policy" of reviewing full papers at M&C topical meetings to one of reviewing only extended abstracts. (First: Singleterry, Second: Ravetto)
 - Friendly amendment accepted" Change "policy" of reviewing full papers at M&C topical meetings, to one that allows the meeting's technical program chair to choose between full papers and extended abstracts as the basis for review. (Sanchez)
 - Unanimous approval
- Meeting in Morocco: Class IV topical
 - o D. Peplow pointed out that it was 1 month before M&C topical
 - o R. Sanchez encouraged some participation to help raise the quality of the conference
 - o Motion supporting Class IV sponsorship (R. Singleterry, B. Kirk) passed unanimously

15. Student Committee (J. Favorite)

- President's Reception tickets for M&C students
 - o email to all M&C members to find all students presenting M&C
 - o 8 students this time
 - discussions with Mary Keenan standard response on age and liability
 - this time, all 8 students were determined by ANS to be of legal age
 - issue may recur
 - o Invited all members to join M&C (in case they were not already)

16. Honors & Awards (P. Turinsky)

- Pomeranning award given @ M&C topical to B. Ganapol
- Young members award: not granted because only one nominee and they are on MCD exec
- Intend to modify criteria on restrictions based on membership of H&A and Exec committee (to be reviewed first by national H&A committee)
- Propose formalization of H&A committee to avoid "lifetime" term

17. Membership Committee (M. Feltus)

- Attachment E
- Upward trend
- Q (R. Singleterry) Request for demographics to determine effectiveness of various recruitment efforts.

18. Standards (A. Smetana)

- ANS 10.4 meeting: "Verification & Validation of Software for the Nuclear Industry"
- Recommendation from T. Sutton: publish titles of standards in program so that attendees know which standards are being discusses; just the standard number does not provide info to meeting attendees

19. Joint Benchmark Committee (B. Ganapol)

- New benchmarks being developed on BWR
- Review of benchmark activity on molten salt/ADS system
- Analytical benchmark being developed
- Benchmarker of the year award
- CSWIG meeting on data for shielding benchmarks
- Mossteller proposing benchmark on Doppler defect(?)
- Med Physics benchmarks
- Mossteller disappointed with product (or lack thereof) of JBC to-date
 - Proposing to DOE that benchmark activity should be funded

20. Publicity/Newsletter (A. Sood)

• A newsletter has been published and distributed on paper and available on the web.

21. Web (T. Palmer)

- Nothing of note
- Updated officers
- Please suggest other things that the web can be doing?

22. Computational Medical Physics Working Group (B. Kirk)

- Website has been setup (http://cmpwg.ans.org)
- Workshop was held (10/26/2005)
- Benchmark work underway
- 23. A. Haghighat offered the formal thanks of the MCD to Richard Sanchez for his efforts and successes in the organization of the 2005 M&C Topical.
- 24. Meeting adjourned at: 15:57.

- 25. Summary of business conducted electronically between 6/5/2005 and 11/13/2005.
 - a. Honors and Awards approval
 The list of honorees/awardees was submitted by the Honors & Awards subcommittee
 for approval by the MCD Exec. Approval was obtained by email vote.
 - b. Landis Challenge
 Following a request by the ANS, MCD approved the donation of \$2500 toward matching John Landis' contribution. Approval was obtained by email vote.
 - c. Nomination Committee (B. Kirk)
 The Nomination Committee offered a slate of candidates (See attachment F), which was approved by email vote.

Attendee List

Attendee		Affiliation	Email address
Wilson	Paul	UW-Madison	wilsonp@engr.wisc.edu
Martin	Bill	U. Michigan	wrm@umich.edu
Gheorghiu	Nicholas	Studsvik	nicholas@studsvickscandpower.com
Sutton	Tom	KAPL	sutton@kapl.gov
Smetana	Andy	SRNL	Andy.Smetana@srnl.doe.gov
Turinsky	Paul	NCSU	turinsky@ncsu.edu
Favorite	Jeff	LANL	fave@lanl.gov
Ragusa	Jean	Texas A&M	ragusa@ne.tamu.edu
Kirk	Bernadette	ORNL	kirkbl@ornl.gov
Peplow	Douglas	ORNL	peplowde@ornl.gov
Sood	Avneet	LANL	sooda@lanl.gov
de Oliviera	Cassiano	GA Tech	c.oliveira@gatech.edu
Brown	Forrest	LANL	fbrown@lanl.gov
Ueki	Taro	U. New Mexico	tueki@unm.edu
Palmer	Todd	Oregon State	parmerts@ne.orst.edu
Haghighat	Alirez	U. Florida	haghighat@ufl.edu
Kucucboyaci	Vefa	Westinghouse	kucukbvn@westinghouse.com
Singleterry	Robert	NASA	robert.c.singleterry@nasa.gov
Anistratov	Dimitriy	NCSU	anistratov@ncsu.edu
Ganapol	Barry	U. Arizona	ganapol@cowboy.ame.arizona.edu
Jordan	Tom	MPC	tj@mpc.com
Sjoden	Glenn	U. Florida	sjoden@ufl.edu
Ravetto	Piero	Politecnico di Torino	piero.ravetto@polito.it
Sanchez	Richard	CAE	richard.sanchez@cae.fr
Azmy	Yousry	PSU	yya3@psu.edu
Feltus	Medeline	USDOE	madeline.feltus@nuclear.energy.gov
Rahnema	Farzad	GA Tech	farzad.rahnema@me.gatech.edu



Mathematics and Computations

11/13/2005

Paul Wilson

AGENDA

Mathematics and Computation Division

Executive Committee Meeting

Council Room

Omni Shoreham Hotel 2:00 - 4:00 p.m. Washington D.C. Sunday, Nov. 13, 2005

Call to order and consideration of agenda

Secretary

Approval of minutes

Chair Alireza Haghighat

Report on Professional Divisions Committee Meeting

Roundtable

Vice-Chair William Martin

Bylaws (status)

Chair Ex-Officio Bernadette Kirk

Election Ballot

Treasurer Douglas Peplow

Program Committee Todd Palmer

Program Committee Todd Palmer
M&C 2005
M&C 2007 and SNA 2007
Richard Sanchez
Jasmina Vujic

Standing Committee Reports

Students Jeff Favorite

Honors and Awards
Membership
Madeline Feltus
Standards
Andy Smetana
Benchmark
Barry Ganapol
Publicity & Newsletter
Avneet Sood

Publicity & Newsletter Avneet Sood
ANS Board Liaison Harold McFarlane

Web Todd Palmer

Old Business

Computational Medical Physics Bernadette Kirk

New Business

Date and time of next meeting
June 4, 2006 Reno, NV

Adjournment

AMERICAN NUCLEAR SOCIETY

Draft Model Bylaws for

DIVISIONS OR TECHNICAL GROUPS

June 10, 1982

Revised May-9November 10, 2005

MODEL BYLAWS FOR DIVISIONS OR TECHNICAL GROUPS AMERICAN NUCLEAR SOCIETY

Incorporated

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MODEL BYLAWS FOR DIVISIONS OR TECHNICAL GROUPS AMERICAN NUCLEAR SOCIETY Incorporated

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MODEL BYLAWS FOR DIVISIONS OR TECHNICAL GROUPS

BYLAWS OF *** (Name of Division or Technical Group)

AMERICAN NUCLEAR SOCIETY Incorporated

SOCIETY

Bylaws/Rules ARTICLE B1 - NAME

R18.7, R18.1

 The official designation shall be: *** (Name of area of nuclear science or technology) Division (Technical Group) of the AMERICAN NUCLEAR SOCIETY, Incorporated, hereinafter referred to as the Division (Technical Group) and Society, respectively.

ARTICLE B2 - OBJECTIVES

B2.1, B9.2(b)

1. The objectives of the Division (Technical Group) shall be consistent with the objectives of the Society, as set forth in its Certificate of Incorporation and in Article B2 of its Bylaws and Rules, principally, "the advancement of science and engineering relating to the atomic nucleus and of allied sciences and arts". The Division (Technical Group) shall provide, through a group of members of any grades particularly interested in (area of nuclear science or technology), a means to promote the sciences and arts of that area, within the scope of the Society.

B9.2(b)

- 2. To further its objectives, the Division (Technical Group) shall:
 - Hold meetings, or conduct other activities, in accordance with the stated policy of the Society for the presentation and discussion of professional ideas relating to (area of nuclear science or technology).
 - Disseminate knowledge and information in the (area of nuclear science or technology) by discussions, communications, the presentation of papers and other means of information exchange.
 - c. Encourage the formation of closer professional, and, as appropriate, personal relations among the members.
 - d. Cooperate with other scientific and professional groups having related objectives.

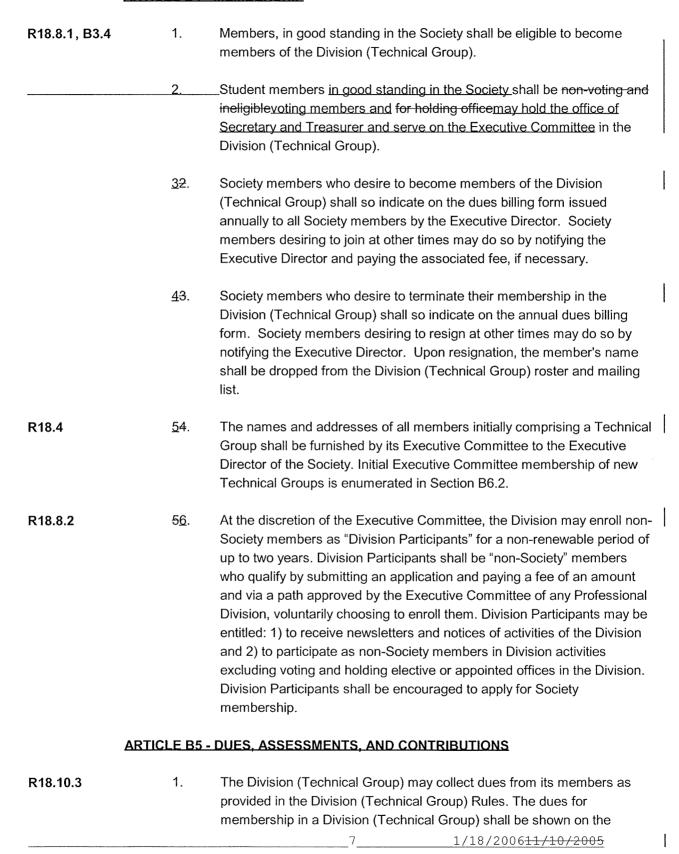
ARTICLE B3 - OBLIGATIONS TO THE SOCIETY

B9.1(a), B14.1 1. The activities of the Division (Technical Group) and its members shall be governed by the provisions of these Bylaws which shall be in accord with the provisions of the Certificate of Incorporation and the Bylaws and Rules of the Society. Operation of the Division (Technical Group) shall be governed by the laws of incorporation of the Society and their respective Bylaws, Rules, Procedures and Policies. R18.9.3 2. In the event of a conflict, the Society's Bylaws, Rules, Procedures and Policies shall take precedence over the Bylaws and Rules of the Division (Technical Group). **B9.4** 3. The Division (Technical Group) shall not have authority to act for or in the name of the Society. No action, obligation, or expression of the Division (Technical Group), shall be considered an action, obligation or expression of the Society as a whole. A statement to the effect that the Division (Technical Group) assumes sole responsibility for the contents shall be imprinted on any publication regarding an action, obligation, or expression with respect to the Society, issued by the Division (Technical Group). The Division (Technical Group) may use its website for this purpose. R18.10.3 4. The Financial affairs of the Division (Technical Group) shall be conducted in such a manner that the Division (Technical Group) shall be financially independent and shall not rely on support from Society funds, except to the limit budgeted by the Board of Directors for each Division (Technical Group). The Division (Technical Group) may meet its financial obligations in accordance with the provisions in Article B5. B11.1 5. The Division (Technical Group) shall not represent any opinion or position in any matter technical or non-technical as being the official position of the Society or any of its subdivisions without prior approval of the Board of Directors. R18.11, B7.4 6. The Secretary of the Division (Technical Group) shall file with the

Executive Director of the Society a copy of the minutes of the Division (Technical Group) Executive Committee meetings within thirty (30) days

following the meeting date(s) in accordance with B7.4.

ARTICLE B4 - MEMBERSHIP



annual statement sent to each member of the Society by the Executive Director.

R18.10.3

2.

The Division (Technical Group) may levy special and reasonable assessments to implement the sponsorship of special or topical meetings when authorized by affirmative vote of not fewer than two-thirds (2/3) of the members present at a regular or special meeting called as provided in these Bylaws.

R18.10.3

- 3. The Division (Technical Group) may also accept non-compulsory financial contributions, but solicitation and acceptance of such contributions shall be subject to the written approval by the Board of Directors and the Executive Director.
- 4. The funds derived from these and from any other authorized sources shall be disbursed for the Division (Technical Group) by the Executive Director of the Society in response to requests from the Treasurer (Secretary-Treasurer) and Chair and in accordance with the annual operating budget prepared by the Finance Committee of the Division (Technical Group) and subject to the limitation stipulated in Article B3.4 of these Bylaws.

ARTICLE B6 - EXECUTIVE COMMITTEE

R18.10.1

The Division (Technical Group) shall be managed by an Executive Committee. This committee shall constitute the governing body of the Division (Technical Group) and shall have power to act for the Division (Technical Group) in all matters, subject to these Bylaws and to the Certificate of Incorporation and the Bylaws and Rules of the Society.

R18.10.1, R18.6.3, R18.2 2.

The Executive Committee of the Division shall consist of not fewer than six (6) members. The members, elected at large, other than the officers shall have terms not exceeding three (3four (4) years, and the term designated for each shall commence at the close of the Annual Meeting of the Society and shall be such as to maintain effective continuity of experience in conducting the affairs of the Division and in performing the duties of the Executive Committee. The Chair of the Division most recently retired shall be an ex officio member, with- voting privileges. The Chair of the Professional Divisions Committee of the Society shall be an ex officio member without vote. The Chair of the Division shall be the Chair of the Executive Committee, and the other officers, as defined in Articles B7.2, B7.3, B7.4, and B7.5, shall also serve on the Executive Committee. A quorum shall be a majority of the voting members of the Executive Committee.

For a Technical Group, the initial Executive Committee shall be composed of not fewer than six (6) members elected by the petitioners. This committee shall be subject to approval by the Professional Divisions Committee and by the Board of Directors at the time of approval for organization. The initial Executive Committee of the Division shall be the Executive Committee of the predecessor Technical Group.

R18.10.1

- 3. Any vacancy among the officers or on the Executive Committee occurring during their terms shall be filled by appropriate action of the Executive Committee until the next regular election, except that a vacancy in the office of Chair shall be filled by the Vice-Chair (the designated Chair-Elect if there is more than one Vice-Chair), who shall continue also to perform the duties of Vice-Chair until installed as Chair for the following year.
- The Executive Committee may remove members missing more than two
 consecutive meetings, unless appropriate reasons are provided for missing such meetings.

R18.5.2, R18.9.2

- 5. In order to provide for handling the affairs of the Division (Technical Group), the Executive Committee may prepare and adopt, in connection with these Bylaws, suitable Rules. Division (Technical Group) Rules shall be adopted by affirmative vote of not fewer than two-thirds (2/3) of the members of the Executive Committee, provided that the text of the proposed amendments has been furnished to each member of the Committee at least (10) days before the meeting at which the vote is taken or provided at least thirty (30) days are allotted between ballot distribution and the specified closing date for return if the vote is by letter ballot. A copy of the Division (Technical Group) Rules shall be provided to the Bylaws and Rules Committee for review and approval. After approval by the Bylaws and Rules Committee a copy of the Division (Technical Group) Rules shall be filed with the Executive Director of the Society.
- 6. The Executive Committee shall meet at least twice each year, once during the Annual Meeting and once during the Winter Meeting of the Society, or as appropriate. Other meetings (e.g., at Division- (Technical Group)-sponsored Topical Meetings) or teleconferences, e-mail communications, and by other appropriate medium of the Executive Committee may be called at any time by the Chair, or at the request of any three or more members of the Committee.
- 7. Voting shall be by an appropriate voting system, under the general procedure stipulated for voting and for handling the ballots in the Bylaws and Rules of the Society. The Executive Director shall declare elected to

each position the candidate receiving the most votes for that position. If a tie occurs, the Division (Technical Group) shall resolve the tie by a vote of the members of the Executive Committee. The elected candidates shall be installed and their terms of office shall commence at the close of the Annual Meeting of the Society.

ARTICLE B7 - OFFICERS

R18.10.1

- 1. The officers of the Division (Technical Group) shall be a Chair, at least one Vice-Chair, a Secretary and a Treasurer. The duties of the Secretary and Treasurer may be combined into a single office (i.e., Secretary-Treasurer). All officers shall hold their offices for a one-year or two-year term or until their qualified successors are elected or appointed.
- 2. The Vice-Chair (or one of them if there is more than one) at the time of election shall be designated Chair-Elect, and at the expiration of that term will automatically succeed to the office of Chair.

B9.3, R18.11

- 3. The Secretary or Secretary-Treasurer shall record and file with the Executive Director within thirty (30) days after the meeting date(s) the minutes of the Division (Technical Group) Executive Committee meetings. Separate teleconference meetings minutes may be recorded by the Division (Technical Group) and do not have to be filed with the Executive Director.
- 4. For Divisions (Technical Groups) that do not have a Treasurer, the Secretary-Treasurer shall also serve as a member of the Division's Finance Committee, and shall be the responsible custodian of any special funds of the Division (Technical Group), The Secretary-Treasurer shall have the same duties as the Treasurer.
- 5. The Treasurer shall send the Division (Technical Group) budget to the Executive Director after approval of the Executive Committee.

ARTICLE B8 - ELECTION AND ELIGIBILITY

R18.10.1

1. The members of the Division (Technical Group) Executive Committee and the Officers (except the Chair) shall be elected as specified in Article B6.2 and B7.1 of these Bylaws, respectively.

R18.2

2. Executive Committee members shall be Fellows, Members, Emeritus or

Honorary Life Members of the Society.

- 3. The Nominating Committee shall place in the hands of the Secretary or Secretary-Treasurer and Executive Director no later than the completion of the Winter Meeting (or seven [7] months before the Annual Meeting for Divisions [Technical Groups] that were unable to meet during the Winter Meeting) the names of candidates for the Executive Committee and for Division (Technical Group) officers. The Executive Director shall prepare and forward to each member of the Division (Technical Group) a ballot containing the nominations submitted by the Nominating Committee, and others made by petition of not fewer than ten (10) members of the Division (Technical Group), received in writing either by the Nominating Committee or by the Secretary or Secretary-Treasurer at least twenty-two (22) weeks before the Annual Meeting.
- 4. At least one candidate shall be named by the Nominating Committee for each Executive Committee membership expiring or vacated and for each elective office other than the office of Chair, which will be filled by the Vice-Chair. The ballot shall also contain spaces for writing in additional candidates.

B3.4

- 5. Ballots, in order to be counted, shall be postmarked as instructed and shall be validated by the Executive Director as having been received from a Division (Technical Group) member in good standing. The Division (Technical Group) shall be responsive to future electronic voting initiatives introduced by the Society, as appropriate.
- 6. Voting shall be by secret ballot under the general procedure stipulated for voting and for handling the ballots in the Bylaws and Rules of the Society. The Executive Director shall declare elected to each position the candidate receiving the most votes for that position. If a tie occurs, the Division (Technical Group) shall resolve the tie by a vote of the members of the Executive Committee. The elected candidates shall be installed and their terms of office shall commence at the close of the Annual Meeting of the Society.
- 7. Members, elected at large, shall not be eligible for election to more than two consecutive terms on the Executive Committee, or more than two consecutive terms of office as Secretary, Treasurer or Secretary-Treasurer. After one full term in office, the Chair shall automatically be succeeded by the Vice-Chair. Except as provided in these Bylaws, no member shall hold more than one office simultaneously.

R18.10.1

8. No member shall be eligible for the office of Vice-Chair/Chair-Elect until having served on the Executive Committee in any capacity for at least

- one year except during the initial year of the Division (Technical Group) or in the event the office of the Chair is declared vacant.
- 9. The retiring Chair shall not be eligible for election as Vice-Chair/Chair-Elect for the term immediately succeeding the term as Chair.

ARTICLE B9 - STANDING AND SPECIAL COMMITTEES

- 1. The A Division (Technical Group) may establish Standing and Special Committees of the Division (Technical Group) shall be appointed by the Chair of the Division (Technical Group) to serve to the end of the Chair's term, except as otherwise specified. Appointments to committees shall be reported to the Executive Committee for ratification, and that Committee may change the appointed personnel of committees at any time at its discretion. Except with the approval of the Executive Committee, members shall not be eligible for reappointment to the same committee for more than three (3) consecutive terms.
- 2. A simple majority of the members of the committee shall constitute a quorum at all committees' meetings.

ARTICLE B10 - MEETINGS

R18.10.2

- 1. Meetings of the Division (Technical Group) shall be held as determined by the Executive Committee, at times and places it shall designate. If a business meeting is held, it shall be scheduled to coincide with the Annual Meeting of the Society and shall precede the annual reorganization of the Division (Technical Group) Executive Committee. The Secretary or Secretary-Treasurer shall mail an advance notice of all intended meetings of the Division (Technical Group) to the Executive Director of the Society not less than six (6) weeks_before the date of that meeting. In addition, notices of all meetings will be sent to the members of the Division (Technical Group) not less than six (6) weeks before the meeting. These meetings are open to all members in good standing in the Division (Technical Group).
- 2. A quorum for the transaction of business at all Division (Technical Group) meetings shall consist of fifteen (15) qualified voters or twenty (20) percent of the qualified voters of the Division (Technical Group),

12____1/18/200611/10/2005

whichever is greater.

ARTICLE B11 - AMENDMENTS

B13.1

1. Amendments to these Bylaws may be proposed at any regular meeting of the Division (Technical Group) attended by a quorum of qualified voters of a Division (Technical Group), or at any meeting of the Executive Committee.

B13.1, R18.5.1, R18.9.1

2. Any proposed amendment shall be forwarded to the Society Bylaws and Rules Committee for Society review and approval following approval of two-thirds (2/3) of the members of the Division (Technical Group) Executive Committee. After Bylaws and Rules Committee approval, the amendment shall be approved by the Board of Directors.

R18.5.1, R18.9.1

3. Following review and approval by the Bylaws and Rules Committee and the Board of Directors, a proposed amendment shall be presented to the members of the Division (Technical Group) for a vote. Voting may take place at any meeting attended by a quorum of qualified voters of the Division (Technical Group) provided that a written notice of the meeting. together with the text of the proposed amendment and of any existing articles thereby affected, has been mailed to the members by the Secretary or Secretary-Treasurer at least ten (10) days before the meeting at which the vote will be taken. Voting may also take place by letter ballot provided at least (30) days are allotted between ballot distribution and the specified closing date for return. Division (Technical Group) approval of a proposed amendment shall require the affirmative votes of no fewer than two-thirds (2/3) of the members voting and the total vote shall not be less than twenty-five percent (25%) of the total voting membership of the Division (Technical Group). The Division (Technical Group) shall be responsive to future electronic voting initiatives introduced by the Society, as appropriate.

R18.5.1, R18.9.1

4. The proposed amendment shall become effective following Society and Division (Technical Group) approval and the Division (Technical Group) Secretary or Secretary-Treasurer's filing of a certified copy of the approved amendment with the Executive Director of the Society within thirty (30) days.

B13.4

5. The Division (Technical Group) Secretary or Secretary-Treasurer shall be responsible for notifying members through a publication sent to all members of amendments to the Bylaws as soon as practicable after adoption. Notification through an e-mail message or letter that the bylaws have been posted on the Division (Technical Group) website is another appropriate medium. The Secretary or Secretary-Treasurer shall

be responsible for supplying single copies of Bylaws and amended Bylaws as may be requested by the Division (Technical Group) members in good standing.

ARTICLE B12 - RULES OF CONDUCT

B14.1

 In all procedural matters not covered by the Bylaws and Rules of the Division (Technical Group), Robert's Rules of Order, latest edition, shall be used as the authority for parliamentary procedures.

ARTICLE B13 - DISSOLUTION

B9.5

- Any Division (Technical Group) may be dissolved at the discretion of the Board of Directors of the Society, after proper consultation with the Executive Committee of the Division (Technical Group) and the Professional Divisions Committee.
- 2. The Division (Technical Group) membership must approve dissolution by a 2/3 vote before a petition is submitted
- 3. A Division (Technical Group) considering dissolution should prepare and submit a petition to the Professional Divisions Committee that clearly states the reasons the Division (Technical Group) cannot fulfill its obligations and mission. The PDC with the Division/Technical Group will forward the petition to the Board of Directors.
- 4. Assets of a dissolved Division (Technical Group) shall become the property of the American Nuclear Society.
- 5. Any Division (Technical Group) that merges with another Division (Technical Group) may do so at the discretion of the Board of Directors after receiving a request from the Professional Divisions Committee and the involved Divisions (Technical Groups).
 - a. Assets of merged Divisions (Technical Groups) will be combined under the newly established Division (Technical Group).

OBJECTIVES

The objectives for establishing a new American Nuclear Society Technical Group are as follows.

- 1. Increase the visibility of the Society by providing a clear indication to an outside observer that the technical area falls within ANS.
- 2. Attract new members to the Society by providing a self-sustaining home for practitioners of that technical area.
- 3. Demonstrate that the Society is capable of growing and provides a structure that encourages the opportunity for growth and is not a threat to the existing Professional Divisions/Technical Groups by assuring that each affected PD/TG will remain viable. In this context, it is not a de-facto threat to an affected PD/TG solely if it means the PD/TG will not be able to grow using that technical area, or even if they will lose some number of their members, as long as what remains are still viable organizations.

Each application will be judged against these objectives.

- **Step 1**: Leader of a proposed new Technical Group (TG) submits a letter of intent to the chair of the Professional Divisions Committee (PDC) announcing the possible formation of a new TG. The letter must be submitted before the next ANS national meeting and will be discussed at the Saturday night PD Workshop. (At least three months before the next ANS national meeting.)
- **Step 2**: Leader of a proposed new TG submits a draft Charter to the PDC in accordance with the methodology in this document. (At least three months before the next ANS national meeting.)
- **Step 3**: PDC forwards draft Charter and supporting information of the proposed TG to all PD's/TGs for review by their Executive Committees, identifying a reasonable suspense date to receive comments. (At least two months before the next ANS national meeting.)
- **Step 4**: PDs and TGs independently evaluate the merits of the proposed new TG, evaluate areas, if any, where the new TG may adversely impact its scope and operations, identify potential areas of synergy, and submits comments to PDC. PDC forwards the comments and identifies any synergies and issues that need resolution. If necessary, the PDC Chair will appoint an Ad Hoc Committee to work with the proposed new TG leadership to review and evaluate comments. (At least one month before the next ANS natjonal meeting.)
- **Step 5**: Leader of the proposed new TG addresses the identified issues directly with the leadership of the affected PD or TG. After all issues are discussed, the leader of the proposed new TG proposes mitigation strategies and submits a revised draft Charter to the PDC. The PDC appointed Ad Hoc Committee will assist the Leader of the proposed new TG and any affected PDs/TGs. At this time, the self-identified, affected PDs/TGs may submit a revised response. (At least one month before the next ANS national meeting.)
- **Step 6**: Leader of the proposed TG presents relevant information via e-mail before the next ANS national meeting and summarizes the proposal at the next PD Workshop. (At least two weeks before the next ANS national meeting.)
- **Step 7**: PDC prepares an information package and sends it out to each PD and TG. An agenda item for discussing the proposed new TG is established at the upcoming PD Workshop on Saturday evening at the next ANS national meeting and a full discussion will be held at the next PDC meeting at the next ANS national meeting. (At least two weeks before the next ANS national meeting.)
- **Step 8**: Each PD and TG includes this item on its Executive Committee meeting agenda to discuss the petition's merits and commission a representative to vote at the PDC meeting on Tuesday of the next ANS national meeting.
- **Step 9**: At the PDC meeting of the next ANS national meeting, the leader of the proposed TG presents the merits of the new TG and the affected PDs/TGs present their case. An up-down vote of all PDs/TGs representatives is taken. A minimum yes vote from 90% or greater of all the PDs/TGs <u>and</u> zero no votes from one or more significantly affected PDs/TGs is required for the recommendation to be taken to the Board of Directors. A significantly affected PD/TG is one where the formation of the proposed TG would significantly affect the PDs/TGs in one or more of the following areas.

1) Membership 2) Meetings/Programs and/or 3) Revenue.

The significantly affected PDs/TGs must establish an adequate case that they would be significantly affected in one or more of these areas. If an adequate case is made, the Chair of the PDC shall refer this issue to an Ad Hoc Committee to evaluate further. This action is in accordance with Section 5.1 Procedures for Forming A Technical Group of the PDC Manual.

The criteria for an adequate case to be made that these areas are sufficiently significant as to warrant the PDC Chair to require further evaluation are:

- 1. Would potentially cause a 3% or greater decrease in membership of the affected PD/TG's, and/or
- Would potentially cause a decrease in attendance/support at meetings/programs of the affected PDs/TGs by duplicating topics such that the meetings metric would not be met, and/or
- 3. Would potentially cause a decrease in revenue of \$3,000 or more per year to the affected PDs/TGs.

Step 10: If the new TG is approved by 90% of the PDs and TGs, the draft TG Charter will be finalized and the PDC will recommend the formation of the new TG at the next Board of Directors meeting. If the new TG is not approved, the leader of the proposed TG has the option of working with a PDC Ad Hoc Committee to resolve issues and/or modify the draft Charter, or rescind the request to establish a TG, or repeat this process in the future.

Step 11: A new proposed TG that is not approved by the PDC may work under an existing PD until it becomes sufficiently sustaining to again petition PDC for TG status. The leaders also may choose to remain a subgroup/working group of an existing PD. This subgroup/working group would be acknowledged as part of that existing PD. The PDC web site will contain appropriate forms and guidelines to outline subgroup/working group activities. This concept needs to be defined further.

Step 12: PDC will document all correspondence and send to ANS headquarters files.

June 2005

Step 1: Leader of a proposed new Technical Group (TG) submits a letter of intent to the chair of the Professional Divisions Committee (PDC) announcing the possible formation of a new Technical Group (TG). The letter must be submitted before the next ANS national meeting and will be discussed at the Saturday night PD Workshop. (At least three months before the next ANS national meeting.)

Memorandum

TO:

PDC Chair

FROM:

Leader of proposed new TG

SUBJECT:

Proposed new TG

We announce our intent to form a new Technical Group

Step 2: Leader of a proposed new Technical Group (TG) submits a draft Charter to the PDC in accordance with the methodology in this document. (At least three months before the next ANS national meeting.).

Memorandum

TO:	PDC Chair
FROM:	Leader of proposed new TG
SUBJECT:	Proposed new TG
Attached is a	a draft Charter and supporting information for the proposedTG. Please ensure that all existing PDs and TGs have an opportunity
10, 10,10,10,11	Proposal for a new Technical Group (TG)
Name of the	e new TG
Charter	
• • • • • • • • • • • • • • • • • • • •	

	hy the Society would benefit from this new TG; e.g., Increased p, increased meetings/programs (topical and national), and potential ed revenue.
Approximation of the state of t	
membership	npact on existing PDs and TGs; e.g., none negative or areas such as , meetings/programs, and

Step 3: PDC forwards draft Charter and supporting information of the proposed TG to all PDs and TGs for review by their Executive Committees, identifying a reasonable suspense date to receive comments. (At least two months before the next ANS national meeting.)

Memorandu	ım
TO:	Chairs of PDs and TGs
FROM:	PDC Chair
SUBJECT:	Proposed new TG
	a draft Charter and supporting information that has been provided to the e proposed TG.
adversely im	w this with your Executive Committee and identify where the new TG may pact your scope and operations. Please also identify potential areas of your PD or TG may achieve if this new TG is approved.
revenue, and	mpacting scope and operations; e.g., membership, meetings/programs,
Potential sy	nergies
Please retur	n this to the PDC Chair within 30 days of the date of this memorandum.

Thank you for your time and consideration.

Step 5: Leader of the proposed new TG addresses the identified issues directly with the leadership of the affected PD or TG. After all issues are discussed, the leader of the proposed new TG proposes mitigation strategies and submits a revised draft Charter to the PDC. The PDC appointed Ad Hoc Committee will assist the Leader of the proposed new TG and any affected PDs/TGs. At this time, the self-identified affected PDs/TGs may submit a revised response. (At least one month before the next ANS national meeting.)

Memorandu	ım					
TO:	PDC Chair					
FROM:	Leader of proposed new TG					
SUBJECT:	Resolution of issues associated with proposed new TG	Resolution of issues associated with proposed new TG				
Attached is a	a revised Charter and supporting information for the proposed TG.					
Also attache PD(s)/TG(s).	d is the resolution of issues that were raised by the	· · · · · · · · · · · · · · · · · · ·				
	Proposal for a new Technical Group (TG)					
Name of the	e new TG					
Revised Ch						
		W48				
lssue with _	PD/TG					
Proposed R	esolution					

Issue with	PD/TG		
THE CONTRACTOR OF THE CONTRACT			

Proposed Resolution	1		
•			
Issue with	PD/TG		
Proposed Resolution	l	 	

Issue with	PD/TG		
		 ## ***********************************	
Proposed Resolution	ı		
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•		 	

Step 7: PDC prepares an information package and sends it out to each PD and TG. An agenda item for discussing the proposed new TG is established at the next PD Workshop on Saturday evening at the next ANS national meeting and a full discussion will be held at the next PDC meeting on Tuesday evening at the next AANS national meeting. (At least two weeks before the next ANS national meeting.)

Memorandum

TO:	Chairs of PDs and TGs
FROM:	PDC Chair
SUBJECT:	Proposed new TG
PDC from the every effort to	revised Charter and supporting information that has been provided to the proposedTG. The leader of the new TG has made address the potential issues that may arise with potentially impacted shown in the attachments.
Please review	this with your Executive Committee. The leader of the proposed TG will be discussing this at the next PD Workshop on Saturday evening
	PDC Meeting on Tuesday evening. Please be prepared to vote on the tion of the TG at the next PDC Meeting.
Thank you for	your time and consideration.

Step 10: If the new TG is approved by 90% of the PDs and TGs, the draft TG Charter will be finalized and the PDC will recommend the formation of the new TG at the next Board of Directors meeting. If the new TG is not approved, the leader of the proposed TG has the option of working with a PDC Ad Hoc Committee to resolve issues and/or modify the draft Charter, or rescind the request to establish a TG, or repeat this process in the future.

Vot	te for approval of the	IG
	PD/TG	Y/N
Accelerator Applica Biology & Medicine Decommissioning, Education & Trainir	Decontamination & Reutilization	
Environmental Scie Fuel Cycle & Waste Fusion Energy Human Factors		
Isotopes and Radia Materials Science & Mathematics & Cor Nuclear Criticality S	& Technology mputation	
Nuclear Installation Operations & Powe Radiation Protectio Reactor Physics	er	
Robotics & Remote Thermal Hydraulics Aerospace Nuclear	-	roup
Yes No	Percent Approval %	
TheDirectors.	TG is (approved, not approved) f	or submittal to the Board of

DRAFT

10/19/05

PROFESSIONAL DIVISIONS COMMITTEE (PDC) PROCEDURE FOR ESTABLISHING A WORKING GROUP (WG)

SCOPE: A Working Group is a group of ANS members interested in a specific topic and/or issue that is considered under the scope of one or more existing Professional Divisions. The issue and/or topic may have relevance and importance to the ANS membership and establishing a WG would provide more focus to enhance the development of the issue and/or topic.

Step 1: A Working Group (WG) may be formed under the sponsorship of one or more existing Professional Divisions (PDs):

- 1. When the topic and/or issue has relevance, or
- 2. When the topic and/or issue is included in the scope of one or more existing of PD(s), or
- 3. When petitioners of a proposed Technical Group (TG) that is not approved by the PDC want to formally function under a PD(s).
- Step 2: A WG may work under the sponsorship of one or more existing PDs for an unlimited period of time or until it becomes sufficiently sustaining and robust/relevant enough to petition the PDC for TG status.
- Step 3: The WG will have to be approved by a 90% or greater vote of the PDC.
- Step 4: The PDC Chair will advise the Board of Directors of the approval of the formation of the WG at the next ANS Board of Directors Meeting after PDC approval.
- Step 5: The WG will be required to have structure: There will be officers and an executive committee determined as follows and which report to the sponsoring PD(s).
 - 1. The sponsoring PD(s) Executive Committee(s) will appoint one member (from each sponsoring PD) to serve on the Executive Committee of the WG leadership.
 - a. The WG leadership will include:
 - i. Chair,
 - ii. Vice Chair,

- iii. Secretary,
- iv. Treasurer
- v. Executive Committee, 5 members.
- Members serving in these positions are appointed by the Executive Committee(s) of the sponsoring PD(s) and not elected. The WG petitioners select the first leadership. Thereafter, the WG leadership makes recommendations to the sponsoring PD(s) Chair(s).
- c. The Chairs of the sponsoring /PD(s) and the Chair of the PDC will be ex officio on the executive committee of the WG.
- d. The WG will not have financial resources except those provided through the sponsoring PD(s).
- Step 6: The WG will be governed by the Bylaws/Rules of the sponsoring PD(s).
- Step 7: The sponsoring PDs need to acknowledge the WG in all of its activities and presentations to the PDC and ANS Board of Directors.
- Step 8: The WG shall be recognized with the sponsoring PDs in all sponsored sessions in all literature.
- Step 9: The PDC will identify a Metric under Division Services to Membership Professional Development for PD(s) that have a WG.
- Step 10: The WG chair and vice chair will be formally listed on the PDC listserv. They will have no vote on PDC issues except through the sponsoring PD(s) chair and vice chair.
- Step 11: ANS will create a listserv for the WG leadership and provide space on the ANS web site.
- Step 12: Should a WG wish to petition to become a Technical Group, they will follow the PDC Technical Group Formation Process.

Calendar Year 2005 - Items for 2005 are divided into three categories:

F Final Jan 1 to Sept 30 considered final by ANS Headquarters
P Pending Oct 1 to Nov 10 still pending with ANS Headquarters
E Estimate Nov 11 to Dec 31 estimates for the rest of the year

	Approved Nov 2004	2005 (estimate)	Details		
Income Carry Forward, Prior Year	15,337	17,991			Calendar 2004 Carry Forward Physor 2004-Apr 2004 Chicago
Member Allocation	900	942	942	F	Member Allocation
Other Budget Funds	0	11,500			April Chattanooga, MC 2005 Sept Avignon Meeting
Total Budget Funds	16,237	30,433			
Expenses Newsletters	0	0	0		Newsletters
Awards, Plaques	1,000	1,521		F	Pomraning Memorial Distinguished Service Frames
National Meeting Costs	1,300	1,040	i		June San Diego, tickets Nov Washington, tickets
Division Officer Expense	0	0	0		Division Officer Expense
Student Support	5,000	5,000		F E	April Ohio State Stud. Conf. June San Diego, travel Sept Avignon Meeting Nov Washington, travel
Scholarship/Need Funding	1,000	10,500	2,500	P	Robert A. Dannels Scholarship Landis Challenge Robert A. Dannels Scholarship
Other Expenses	0	0	0		Other Expenses
Total Expenses	8,300	18,061			
Carry Over, Year End	7,937	12,372			

About Avignon (the short version): MCD voted to give \$2000 for student support out of the expected money due MCD for helping plan the meeting. ANS was going to tax it heavily, so it was decided to reroute the balance directly into the Dannels scholarship fund. The items in red above will not appear in the official budget, since the money from Avignon never actually made it into the MCD account.

Monte Carlo 2005 (April, Chattanooga) has not closed their books yet. MCD is eventually supposed to get 10% of the profit, which should be about \$2500. (ANS-50%, Local-20%, RPSD-20%, MCD-10%).

Budget Plan for Calendar Year 2006

The budget has to be decided by the executive committee and sent to ANS Headquarters by Dec 31, 2005.

Income for 2006 will consist of the standard member allocation (one dollar per MCD member in 2005) and any money received from the PHYSOR meeting (2006 September 10-14, Vancouver, BC, Canada).

Expenses for 2006 will likely be items that MCD traditionally supports: Student tickets for national meeting receptions and student support at national and topical meetings. MCD has given quite a bit for the Dannels Scholarship fund in 2005 and 2004. The Landis Challenge should be complete with the MCD donation in 2005. MCD Awards will not be given until the 2007 Monterrey Topical Meeting.

Income	
Carry Forward, Prior Year	12,372
Member Allocation	900
Other Budget Funds Sept PHYSOR, Vancouver, BC	0
Total Budget Funds	13,272
Expenses	
Newsletters	0
Awards, Plaques	0
National Meeting Costs	
June Reno, tickets	650
Nov Albuquerque, tickets	650
Division Officer Expense	0
Student Support	1
April RPI Stud. Conf.	1,000
June Reno, travel	500
Sept PHYSOR, Vancouver, BC	500
Nov Albuquerque, travel	500
Scholarship/Need Funding	
Dannels Scholarship	0
Landis Challenge	0
Other Expenses	0
Total Expenses	3,800
Carry Over, Year End	9,472

Upcoming Conferences:

2006	Mar 27-Apr 1	Student Conference	Troy, NY (RPI)
2006	June 4-8	Annual Meeting	Reno, NV
2006	Sept 10-14	PHYSOR 2006	Vancouver, BC, Canada
2006	Nov 12-16	Winter Meeting	Albuquerque, NM
2007	April 1-5	M&C + SNA 2007	Monterey, CA

MCD Historical Data

	Calendar Year						
	1999	2000	2001	2002	2003	2004	2005 est
Income							
Carry Forward, Prior Year	11,914	10,187	15,857	12,040	18,956	28,069	17,991
Member Allocation	801	817	924	819	885	918	942
Other Budget Funds		4,853	660	13,925	10,562	2,654	11,500
Total Budget Funds	12,715	15,857	17,441	26,784	30,403	31,641	30,433
Expenses							
Newsletters	0	0	66	0	8	0	0
Awards, Plaques	881	0	835	0	101	0	1,521
National Meeting Costs	0	0	0	225	0	650	1,040
Division Officer Expense	247	0	0	0	0	0	0
Student Support	550	0	1,500	3,800	1,225	3,000	5,000
Scholarship/Need Funding	100	0	0	1,000	1,000	10,000	10,500
Other Expenses	750	0	3,000	2,803	0	0	0
Total Expenses	2,528	0	5,401	7,828	2,334	13,650	18,061
Carry Over, Year End	10,187	15,857	12,040	18,956	28,069	17,991	12,372

Chair

Dr. William R. Martin University of Michigan Dept of Nuclear Engineering

2355 Bonisteel Blvd.

Please provide your division's approved 2006 election slate below. Each candidate has agreed to run for the office indicated and current contact information is provided.

Ann Arbor, MI 48109 Email: wrm@umich.edu	
Vice Chair Vote for one (1) - one-year term Ron Pevey	Tom Sutton
Vote for one (1) - one-year term Imre Pazsit	Arzu Alpan
Treasurer Vote for one (1) - one-year term	
Michael S. McKinley	Douglas Peplow

Please Note: The boxes are provided to define the text area. The boxes do not represent the number of candidates required. Boxes may remain blank.

Executive Committee	
Vote for three (3) - three-year terms	
Jean Ragusa	Allen Toreja
Robert Jeraj	Hatice Akkurt
Thomas Brunner	Dudley A. Raine III
Sara Pozzi	Vefa Kucucboyaci

Please return this completed form to ANS Governance no later than **November 17, 2005**, via fax, email, or regular mail:

ANS Governance American Nuclear Society 555 North Kensington Avenue La Grange Park, Illinois 60526

708/ 579-8283 - Fax <ccherry@ans.org> - Email

Please Note: The boxes are provided to define the text area. The boxes do not represent the number of candidates required. Boxes may remain blank.