

# ***FY 2011 Scientific Working Group Semi-Annual Report***

**SWG Name: Scientific Working Group on DNA Analysis Methods (SWGDM)**

**Meeting Date: July 12-14, 2011**

**Meeting Location: Marriott Residence Inn and Conference Center, Fredericksburg, Virginia**

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## **I. Agenda:**

Please see Attachment A.

## **II. Meeting Synopsis:**

### **Tuesday, July 12, 2011**

Incoming SWGDAM Chairman, Anthony Onorato, opened the meeting with a remembrance of long-time SWGDAM guest, Dr. George Carmody. Dr. Ron Fournay of the Royal Canadian Mounted Police spoke about Dr. Carmody and a moment of silence was observed in Dr. Carmody's memory. Mr. Onorato noted that for those wishing to send a letter to Dr. Carmody's family; a book would be compiled on behalf of SWGDAM and forwarded to the family.

The Chair requested that participants introduce themselves. The Chair also noted that the SWGDAM Executive Board meets by teleconference on the first Thursday of every month. The Chair reviewed the agenda, pending issues that would be discussed on Thursday (Databasing QAS Audit Document, revisions to the SWGDAM Bylaws and the proposed SWGDAM Conflict of Interest Statement) and Committee assignments. The Vice-Chair explained the tasks for each Committee and was followed by the Committee Chairs who provided a brief update on their progress in fulfilling tasks.

Dr. Joel Sutton of the United States Army Criminal Investigation Laboratory provided a presentation on Armed Xpert™, a mixture deconvolution tool. Dr. Sutton was scheduled to make this presentation at the January 2011 meeting when other mixture tools were presented to SWGDAM but his travel plans were cancelled because of the weather. Dr. Sutton described the Armed Xpert™ tool as using a proportionately shared allele approach and provided a demonstration of the software and its features.

The afternoon session was devoted to the topic of contamination strategies. Dr. Moretti described the experiences of the FBI Laboratory several years ago with a manual bone

extraction procedure. Contamination was observed and reported to the manufacturer who indicated they would look into ethylene oxide decontamination and the feasibility of using gamma irradiation. The FBI evaluated the possibility of decontaminating in-house through stratalinking and determined that it was inadequate. The manufacturer provided the FBI with new consumables that had been gamma irradiated and no detectable DNA was found but the manufacturer was unwilling to decontaminate the product with seeded contaminant. The manufacturer then provided a product that was decontaminated using hydrogen peroxide but further testing of that product showed detectable DNA. As a result of these findings, the FBI implemented three new bone extraction procedures.

Dr. Moretti also presented information provided by Lisa Calandro of Applied Biosystems (who was unable to attend in-person as scheduled) and their strategy for responding to customer issues. The first phase involves identifying the root cause of the issue. Then they investigate potential sources (raw materials, operators and environment) and mitigations for those sources.

Les McCurdy of the FBI Laboratory's Mitochondrial Unit explained their strategy for addressing and detecting contamination within a mitochondrial laboratory which includes the following: dedicated lab space with physical separation; positive displacement pipettes & aerosol-resistant tips; certified DNA-free consumables; personal protective equipment (PPE); and bleach and UV cross-linking. Additionally, Mr. McCurdy explained that their contamination surveillance program included the typing of all pertinent laboratory staff and interpretation of reagent blank and negative controls. \

Mr. Eugene Lien of the New York City Office of the Chief Medical Examiner explained contamination considerations in a low copy number (LCN) laboratory. Mr. Lien noted that high sensitivity testing is PCR and STRs (using same process, equipment and reagents); that the experiences and lessons learned are the same as any other laboratory; and that since it is more sensitive, additional precautions are taken. Their laboratory contamination prevention measures include the following: dedicated, protected workspaces (under a dead air space hood); proper protective attire (face masks, hair covering, double gloves); regular cleaning (bleach, ethanol and then water, irradiate labware in Stratalinker 2400); quality control tests; and an elimination database (of OCME and NYPD crime scene personnel) for comparison.

Ms. Dawn Herkenham of SAIC explained the provisions of the Genetic Information Nondiscrimination Act (GINA) relevant to the quality control databases maintained by forensic DNA laboratories. Title II of GINA prohibits employers from requesting or requiring employees to provide genetic information. However, GINA contains an exception that permits employers that engage in DNA testing for law enforcement purposes as a forensic laboratory or for purposes of human remains identification to request or require genetic information from their employees to analyze DNA identification markers for quality control to detect sample contamination. These employers may not discriminate against their employees on the basis of this genetic information and must treat this genetic information as confidential medical records and maintain separate from personnel files (unless filed prior to November 21, 2009). The question remains whether this exception extends to the manufacturers of consumables used by the forensic laboratories. This issue is not addressed in the implementing regulations and the Equal Employment Opportunity Commission (EEOC) was contacted for guidance. The EEOC noted that this issue was not addressed in the federal law and/or regulation and thus there is no exception for the manufacturers of the consumables but that this appears to fall within the intent of the exception available to forensic laboratories for quality control purposes to detect sample contamination. SWGDAM voted to request an informal advisory opinion from the EEOC on this issue.

Mr. Kermit Channell of the Arkansas State Crime Laboratory explained the work being done to develop an ISO standard for forensic consumables. Mr. Channell described how an incorrect forensic to forensic match (as a result of contamination) can mislead investigators and provided an example in Europe where this recently occurred. Because there are no international standards to specifically address forensic practices and procedures, there is a group working to develop standards and issue them as Australian standards before approaching ISO. Mr. Channel noted the benefits of proceeding with development of a Publicly Available Specification: fast, flexible and effective; tailor-made for client-sponsored solution; could be developed in 6 to 9 months; could be developed through a consensus-based process; and process provides a potential for submission into formal international standards – ISO. Mr. Channel explained that there must be five countries involved in order to make an application to ISO and currently the following organizations are interested in this project: ENFSI – European Network of Forensic Science Institutes (Germany); NIFS – National Institute of Forensic Science; ANZPAA – Australian and New Zealand Policing Advisory Agency (Australia and New

Zealand); AFSN – Asian Forensic Science Network (Singapore); ASCLD – American Society of Crime Laboratory Directors (USA); and AICEF – Iberomeric Academy of Criminalistics and Forensic Studies (Spain).

**Wednesday, July 13, 2011**

The following Committee meetings were held during the day:

CODIS Committee

Enhanced Detection Methods Committee

Mass Spectrometry/MtDNA Committee

Missing Persons and Mass Disaster Committee

Mixture Committee

Quality Assurance Committee

Rapid DNA Committee

A round table discussion was held in the evening and a presentation was made by Mr. Shawn Montpetit from the San Diego Police Department Crime Laboratory. Mr. Montpetit described his laboratory's efforts to develop a procedure to interpret mixtures of 3 or more persons in line with the SWGDAM guidelines. Additionally, Dr. John Butler provided an update on issues relating to the 3500 instrument.

**Thursday, July 14, 2011**

The Chair reviewed the agenda for the day and introduced Ms. Jennifer Luttmann of the FBI's CODIS Unit who reviewed the revisions made to the Databasing QAS Audit Document. After a brief discussion, the Databasing Audit Document, with formatting and typographical revisions to be incorporated, was unanimously approved by the membership to be forwarded to the FBI.

The Chair then turned to the topic of the DRAFT Conflict of Interest Statement noting that it was an issue that had been discussed for many years within SWGDAM and that the draft statement was intended to reflect what has already been in place, albeit informally. There was discussion on the statement, including suggestions to clarify one of the provisions. There was further discussion concerning one of the examples which was

clarified through the discussions. The Chair also addressed the topic of the revisions to the SWGDAM Bylaws, noting that the conflict of interest provisions had been incorporated into a new Section IV as a SWGDAM Code of Ethics. In addition to the new section, changes were also proposed to Section II relating to the qualifications for members and invited guests. The revisions to the SWGDAM Bylaws were unanimously approved (see Attachment B).

The Chair noted that as a result of his attendance at the SWG Chair meeting, he has noted that SWGDAM does not currently have a web site. He stated that he has been reviewing this issue and following up on ways to establish a web site. There was some discussion of trying to maintain SWGDAM information on the CODIS CJIS WAN site as well as a SWGDAM web site. The Chair stated that he would continue working on this issue.

Each Committee provided an update of its progress toward the tasks and objectives.

After lunch, Ms. Dawn Herkenham of SAIC provided an update on legislative and litigation activity relating to DNA and DNA databases. Ms. Herkenham mentioned that Illinois passed arrestee legislation that was awaiting approval of the Governor as well as pending arrestee litigation. Ms. Herkenham also described two State cases that had addressed issues of access to candidate matches (*People v. Days*) and to the offender DNA database (*State v. Deluca*). Ms. Herkenham also provided an update on the recent Supreme Court decision in *Bullcoming v. New Mexico* concerning the confrontation clause as it relates to forensic reports and supporting testimony.

Mr. Ken Melson, Acting Director of the Bureau of Alcohol, Tobacco, Firearms and Explosives, spoke to SWGDAM on his role as Co-Chair of the Subcommittee on Forensic Science of the National Science and Technology Council Committee on Science. Mr. Melson described the following interagency working groups (IWGs), their tasks and accomplishments to date, and the importance of having state and local representation during this process: Research, Development, Testing & Evaluation; Standards, Practices, and Protocols; Accreditation and Certification; Education, Ethics, and Terminology; and Outreach and Communication.

The Chair adjourned the meeting at approximately 2:00 p.m.

**III. Attendees:**

Please see Attachment C.

**IV. Status Update on Progress toward Goals and Objectives:**

The Committees continue work on their tasks for the next meeting in January, 2012 with some Committees planning to hold teleconferences in the intervening months.

**V. Current and Planned Standards/Best Practices/Guidelines Development Activities:**

The CODIS Committee continues to work on their tasks that do not, at this time, include standards or guidelines.

The Enhanced Detection Methods Committee is working on revisions to the SWGDAM Validation guidelines document and will provide specific guidance on validation of enhanced detection methods. The Mass Spectrometry/MtDNA Committee is also working on mtDNA specific validation recommendations to incorporate into the overall Validation guidelines document.

The Mass Spectrometry/MtDNA Committee is working on revisions to the MtDNA interpretation guidelines.

The Missing Persons and Mass Disaster and Mixture Committees continue to work on training documents.

The Mixture Committee is also working on revisions to the SWGDAM Y-STR guidelines document.

The QA Committee is working on revisions to a 2001 SWGDAM Training guidelines document.

The Rapid DNA Committee is working on performance metrics and validation for the prototypes that do not, at this time, include standards or guidelines.

**VI. Next Meeting:**


The week of January 9<sup>th</sup>, 2012 will be requested for the next SWGDAM meeting.

**VII. Additional Information:**

None at this time.

Attachment A

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SCIENTIFIC WORKING GROUP      DNA ANALYSIS METHODS

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## SWGDM REGULAR JULY MEETING

### July 12 - 14, 2011

#### AGENDA

**Tuesday, July 12, 2011**

7:00 AM	Chair and Vice Chair Meeting
8:00 AM	Subcommittee Chair Meeting
	OPENING BUSINESS SESSION
9:00 AM	Welcome and Business Matters
	Review of Pending Business
	Subcommittee empanelment and member/IG assignments
10:00 AM	Subcommittee Updates and Planned Meeting Activities
	CODIS – Doug Hares
	Enhanced Detection Methods – Eugene Lien
	Mass Spectrometry/mtDNAU – Les McCurdy
	Missing Person/Mass Disaster – John Planz
	Mixture – John Butler
	Rapid DNA – Tom Callaghan
11:00 AM	Mixture Deconvolution Tool: Armed Xpert™
	Joel Sutton Technical Leader DNA Branch USACIL Fort Gilliam, GA
12:00 AM	Lunch

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Chair Anthony Onorato | Phone 703-632-7489 | [Anthony.Onorato@ic.fbi.gov](mailto:Anthony.Onorato@ic.fbi.gov)

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SCIENTIFIC WORKING GROUP



DNA ANALYSIS METHODS

TECHNICAL SESSION

- 1:00 PM      *PrepFiler Express™* and *PrepFiler Express BTA™* Kit Contamination  
Lisa Calandro  
Product Group  
Human Identification  
Applied Biosystems  
Foster City, CA
- 1:30 PM      Consumable Contamination: The FBI Experience – Tamyra Morretti
- 2:00 PM      Contamination Considerations in a Mitochondrial DNA Laboratory –  
Les McCurdy
- 2:30 PM      Contamination Considerations in a LCN Laboratory – Eugene Lien
- 3:00 PM      BREAK
- 3:30 PM      Genetic Information Nondiscrimination Act of 2008 (GINA) –  
Dawn Herkenham
- 4:00 PM      Development of an ISO Standard for Forensic Consumables  
Kermit Channell  
Director  
Arkansas State Crime Laboratory
- 5:00 PM      Adjournment
- 5:30 PM      Executive Board Meeting



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DNA ANALYSIS METHODS

**Wednesday, July 13, 2011**

9:00 AM Subcommittee Break-Out Sessions

12:00 PM Lunch

1:30 PM Subcommittee Break-Out Sessions

6:00 PM Round Table Session

SWGAM Interpretation Guideline Implementation

Shawn Montpetit  
DNA Technical Leader  
SDPD Crime Laboratory  
San Diego, CA

SWGAM July 2011 Semi-Annual Report

NIJ Interagency Agreement 2006-DN-R-094

SCIENTIFIC WORKING GROUP



DNA ANALYSIS METHODS

**Thursday, July 14, 2011**

**CLOSING BUSINESS SESSION**

8:30 AM Proposed Bylaw Amendment Discussion  
Ethical and Conflict of Interest Statement Discussion  
Review of the Databasing QAS Audit Document  
Website Development Discussion

10:00 AM Break

10:30 AM Subcommittee Session Updates

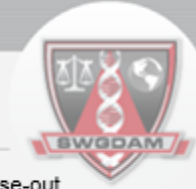
CODIS – Doug Hares  
Enhanced Detection Methods – Eugene Lien  
Mass Spectrometry/mtDNAU – Les McCurdy  
Missing Person/Mass Disaster – John Planz  
Mixture – John Butler  
Quality Assurance - TBD  
Rapid DNA – Tom Callaghan  
YSTR – TBD

11:30 AM Lunch

12:30 PM Legislative Update – Dawn Herkenham

**SPECIAL SESSION**

1:00 PM Subcommittee on Forensic Science: IWG Update  
Mr. Ken Melson  
Director  
Bureau of Alcohol, Tobacco, Firearms, and Explosives  
Co-Chair  
Subcommittee on Forensic Science



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DNA ANALYSIS METHODS

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2:00 PM Meeting Close-out

2:30 PM Adjournment

Attachment B

## **Bylaws of the Scientific Working Group on DNA Analysis Methods**

### **Scientific Working Group on DNA Analysis Methods (SWGDM)**

The Scientific Working Group on DNA Analysis Methods (SWGDM), formerly the Technical Working Group on DNA Analysis Methods, has adopted the following bylaws:

#### **I. Responsibilities of SWGDM**

A. SWGDM shall recommend revisions, as needed, to the FBI Director for the *Quality Assurance Standards for Forensic DNA Testing Laboratories* and the *Quality Assurance Standards for DNA Databasing Laboratories*.

B. SWGDM shall serve as a forum to discuss, share, and evaluate forensic biology methods, protocols, training, and research to enhance forensic biology services.

C. When necessary, SWGDM shall recommend and conduct research to develop and/or validate forensic biology methods.

#### **II. Membership, Terms, and Vacancies**

A. The membership of SWGDM shall consist of an Executive Board and regular members. The term "member" shall be used to describe the Executive Board and regular members.

B. The Executive Board shall consist of the Chairman, Vice-Chairman, Executive Secretary, and five members. Either the Chairman or the vice-Chairman shall be a representative of the FBI. All members of the Executive Board shall have voting privileges, except the Executive Secretary.

1. The Chairman shall be appointed by the FBI Director.
2. The Vice-Chairman shall be appointed by the Chairman.
3. The Executive Secretary shall be appointed by the Chairman.
4. Executive Board member selection
  - a. The Chairman will nominate seven regular members to be placed on an election ballot. The nominations will not include more than two FBI regular members.

b. By vote, the membership will select five of the nominated individuals. The Chairman will vote in the event of a tie.

c. The Executive Secretary and a two-member panel appointed by the Chairman will count the ballots and report the results to the Chairman. The Executive Secretary will record the results of the election in the meeting notes.

d. A vacancy in the Executive Board will be filled by selection of the individual receiving the next highest number of votes. In the event that a vacancy occurs in the Executive Board and all the individuals on the original ballot have been selected to serve on the Executive Board, the Executive Board shall recommend a member to the Chairman to serve on the Executive Board. The Chairman shall appoint the regular member to serve on the Executive Board for the remainder of that Executive Board member's term. Such an Executive Board member shall be eligible to serve on the Executive Board for two additional terms of three years.

e. Executive Board members shall be eligible to serve on the Board for two three year terms in accordance with the nomination and election process described in a. above.

C. Regular members shall be appointed by the Chairman based on the recommendation of a Membership Committee.

1. The Membership Committee shall consist of the Vice-Chairman and two Executive Board members. The Membership Committee shall receive nominations, in a form and manner determined by the Chairman, and make recommendations to the Chairman for the regular member positions. Individuals recommended for membership shall be DNA Technical Leaders, CODIS Administrators or scientists with expertise in a particular DNA-related subject area. Additionally, an individual recommended for membership shall have participated in SWGDAM meetings as an invited guest. The recommendations shall, to the extent possible, provide representation from federal, state, and local forensic DNA laboratories as well as the geographic regions of the United States (i.e., Northeast, Atlantic, South, Midwest, Northwest, Southwest, and West).

2. Regular members shall be selected from a federal, state, or local forensic DNA laboratory.

3. The FBI shall have four regular members representing the following DNA Units: CODIS Unit, Federal DNA Database Unit, MtDNA Unit and Nuclear DNA Unit.

4. Regular members shall have voting privileges.

D. The Chairman may invite guests to participate in meetings. Invited guests shall not be considered members of SWGDAM and shall have no voting privileges; however, invited guests shall have voting privileges with respect to committee business in accordance with Section V of these bylaws. Recommendations for invited guests shall be made to the Chairman or Membership Committee in a form and manner determined by the Membership Committee. As needed, the Membership Committee may make recommendations to the Chairman for guest(s) to participate in meetings.

E. The term of the Chairman will be determined by the FBI Director. The initial term for the Vice-Chairman, Executive Secretary, and Executive Board members shall be three years. Regular members shall be appointed for three-year terms. Subsequent terms of appointment for all members shall be three years.

F. A vacancy may occur as a result of the death of a member, resignation of a member, resignation of a member from the federal, state, or local DNA forensic laboratory that nominated him/her, or completion of a member's term. In the event of a member's absence from three consecutive meetings without good cause, the Chairman may remove that member from SWGDAM. A vacancy shall be filled in the manner prescribed for the initial appointment of that member for the remainder of that member's term.

### **III. Executive Board Members' Responsibilities**

A. The Chairman shall manage the activities of the Board and perform all duties incident to the office of Chair, including but not limited to, scheduling meetings, preparing the agenda, presiding at meetings, nominating Executive Board members, appointing regular members, appointing committees, inviting guests to meetings, assigning tasks to members or committees, acting as spokesperson for SWGDAM, and forwarding recommendations on to the FBI Director.

B. The Vice-Chairman shall serve as the Chairman and preside over meetings in the absence of the Chairman, with the agenda set by the Chairman.

C. The Executive Secretary shall perform duties assigned by the Chairman or the Executive Board and shall perform all administrative duties incident to the office of Executive Secretary, including but not limited to, preparing summary notes of the meetings, maintaining records of meetings, and keeping custody of the records and communications to SWGDAM. Staff provided by the FBI may assist the Executive Secretary. The Executive Secretary will have no voting privileges.

D. The Executive Board shall review and evaluate all recommendations made by SWGDAM committees and vote on the recommendations. A majority of the total number of members of the Executive Board (four) constitutes a quorum. The affirmative vote of the majority of the members of the Executive Board, at which a quorum is present, shall be required to approve recommendations to be presented to the FBI Director. A vote by the Executive Board shall be considered the final action on a committee's recommendation. The Executive Board shall, in its discretion, determine when an e-mail vote on SWGDAM business is necessary.

#### **IV. SWGDAM Code of Ethics**

- A. SWGDAM is comprised of practitioners experienced in some or all of the following: the methods, techniques, protocols, quality assurance, education, and research in forensic DNA analysis methods. Members and invited guests represent government agencies and academia; each bound by a professional Code of Ethics to promote and enhance the development of quality forensic DNA analysis methods and protect the integrity of SWGDAM as a deliberative body.
- B. SWGDAM Members and Invited Guests agree to:
1. Comply with the bylaws of SWGDAM.
  2. Afford all SWGDAM work products and ongoing discussions specific to those work products appropriate confidentiality until such products are released.
  3. Avoid even the appearance of all personal and professional conduct which places SWGDAM in the position of endorsing products or services for an individual's own financial or personal gain or for the financial or other gain of the individual's employer.
  4. Disclose to the SWGDAM Chair any potential conflicts of interest, or the appearance of same, that may arise with respect to SWGDAM business.
  5. Provide public statements representing SWGDAM policies or positions only upon approval of the Chair, and if approved, to represent SWGDAM policies or positions accurately.
  6. Report complete and accurate data in connection with SWGDAM-related research.
  7. Report to the SWGDAM Chair any sanctions received from his/her employer in the forensic field or from professional forensic organizations.
  8. Provide a complete and accurate representation of his/her education, training, experience, or area of expertise.



9. Provide written documentation of agreement to this code of ethics.
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- C. Enforcement of Code. The SWGDAM Chair shall be responsible for enforcement of this code. All issues related to this code shall be reported to the SWGDAM Chair who shall be responsible for resolution of the issue. At the Chair's discretion, members of the SWGDAM Executive Board may be consulted in the resolution process.

## **V. Committees Empanelled by the Chairman**

### A. Committee selection

1. The SWGDAM Chairman will select the members of committees. Executive Board members may serve on committees but cannot serve as chairman or cochairman.
2. The committee will select a chairman and cochairman as their first order of business by vote. The SWGDAM Chairman will vote in the event of a tie. Selection of an invited guest to serve as chairman of a committee shall be subject to the approval of the SWGDAM Executive Board.

B. All members and invited guests appointed by the SWGDAM Chairman to serve on a committee shall have voting privileges during committee meetings with respect to committee business. A majority of the total number of members of the committee constitutes a quorum. The affirmative vote of the majority of the members of a committee, at which a quorum is present, shall be an act of the committee.

### C. Committee business

1. The committee will report regularly to the membership on the status of their delegated task(s).
2. The committee, on completion of their task(s), will advise the SWGDAM Chairman.
3. The committee will distribute a draft copy of the committee report to the membership for technical review. The membership will have 30 working days to respond to the committee chairman. A technical review is a written evaluation of the committee's findings and/or report.

4. The committee will make a final report to the SWGDAM membership after evaluating the technical reviews.

5. The committee will submit the final report to the Executive Board. Based on the Executive Board's recommendations, following a successful executive review, the SWGDAM Chairman will either:

a. Distribute the completed report to the membership and place the topic on the agenda for the next regularly scheduled SWGDAM meeting for a majority vote.

or

b. Accept the report and distribute, publish, or archive, as necessary, without a membership vote.

6. Once it is determined that all issues assigned to the committee by the Chairman have been addressed, the committee shall be dissolved by the SWGDAM Chairman.

## **VI. Meetings**

- A. SWGDAM shall meet at least twice a year or as the Chairman directs.
- B. All members shall be notified of meetings as far in advance as feasible.
- C. The FBI, contingent on funding, shall make travel and lodging arrangements for the members.
- D. Executive Board and regular members shall receive no compensation or honoraria in lieu of salary or wages for time spent attending SWGDAM meetings or working on SWGDAM business.

## **VII. Conduct of Business**

- A. A majority of the total number of members constitutes a quorum.
- B. The affirmative vote of the majority of the members, at which a quorum is present, shall be an act of SWGDAM.
- C. At the discretion of the Chairman, members of the Executive Board may participate in Executive Board meetings by means of telephone conference calls or other remote conferencing facilities and any voting Executive Board member so participating shall be deemed to be present at a meeting for all purposes.

D. In its discretion, the Executive Board shall determine if e-mail voting on SWGDAM business is necessary. The Executive Secretary will conduct the e-mail vote and document compliance with paragraphs A. and B. of this section.

**VIII. Amendment of Bylaws**

A. Proposed amendments to the bylaws shall be provided to members at least 30 days prior to the meeting at which they are to be voted on.

B. A majority of the total number of members constitutes a quorum.

C. The affirmative vote of two-thirds of the members, at which a quorum is present, shall be required to approve amendments to the bylaws.

***Revisions approved July 14, 2011.***

Attachment C

**SWGDM July 2011 Meeting  
Members and Invited Guests**

SWGDM Chair  
**Anthony Onorato**

SWGDM Vice-Chair  
**Philip Kinsey**

SWGDM Executive Board  
**Angelo Della Manna**  
**Eric Pokorak**  
**Margaret (Peg) Schwartz**  
**Taylor Scott**  
**Gary Sims**

SWGDM Executive Secretary  
**Dawn Herkenham (IG)**

SWGDM Members & Invited Guests  
**Patty Aagaard (IG)**  
**Lara Adams (IG)**  
**Todd Bille (IG)**  
**John Butler (IG)**  
**Thomas Callaghan (IG)**  
**Chris Carney (IG)**  
**Kermit Channell (IG)**  
**Michael Coble (IG)**  
**Rhonda Craig (IG)**  
**Jodi Dahl (IG)**  
**Tina Delgado (IG)**  
**Valerie Evanoff (IG)**  
**Neil Fernandopulle (IG)**  
**Connie Fisher (IG)**  
**Russell Gettig (IG)**  
**Richard Guerrieri**

**Douglas Hares (IG)**  
**Brian Harmon (IG)**  
**Bruce Heidebrecht**  
**Brian Hoey**  
**Clark Jaw (IG)**  
**Ken Konzak**  
**Sylvain Lalonde (IG)**  
**George Li**  
**Eugene Lien**  
**Jennifer Luttmann**  
**Beth Ann Marne**  
**Cathy McCord**  
**Les McCurdy (IG)**  
**Amy McGuckian**  
**Jeff Modler (IG)**  
**Shawn Montpetit (IG)**  
**Tamyra Moretti (IG)**  
**Nicole Nicklow (IG)**  
**Jeffrey Nye (IG)**  
**Thomas Parsons (IG)**  
**John Planz**  
**Deborah Polanskey (IG)**  
**Joanne B. Sgueglia (IG)**  
**Gina Sola (IG)**  
**Joel Sutton (IG)**  
**John Tonkyn**  
**Peter Vallone (IG)**  
**Russell Vossbrink**  
**Tim Zolandz (IG)**