

Scientific Analysis on DNA Analysis Methods (SWGDM) January 2017 Report

January 10-12, 2017

Fredericksburg, Virginia

I. Agenda:

Please see Attachment 1.

II. Meeting Synopsis:

Tuesday, January 10, 2017

The SWGDAM Chair, Mr. Anthony Onorato, reviewed the planned agenda for the next three days and explained that this meeting was devoted to large and small group discussions on proposed revisions to the Quality Assurance Standards (QAS). The Chair also updated attendees on SWGDAM activities since the July 2016 meeting that included the following: ASCLD DNA Mixtures webinar Technical overview; establishment of a Laboratory Operations Committee within SWGDAM; YSTR Committee to submit its revisions to the Executive Board in early 2017; and inviting OSAC to submit comments as an “interested party.”

Jocelyn Carlson, Chair of the Quality Assurance (QA) Committee, reviewed proposed revisions to the QA Standards on the QA program, organization and management, reports, review, corrective action and outsourcing for general discussion.

Following the general discussion of the proposed revisions, Walther Parson described his work on the identification of remains believed to have been from Friedrich Schiller, a renowned scientist, lawyer, poet, and playwright from the late 18th century.

During the afternoon, the attendees met in smaller groups to discuss proposed revisions to the QA Standards on personnel, validation, analytical procedures and proficiency testing.

Wednesday, January 11, 2017

Before the Committees and Working Groups had their individual meetings, Jodi Irwin (FBI Laboratory) presented on FBI casework.

In the afternoon, the attendees met in small groups to discuss proposed revisions to QA Standards on facilities, evidence control, equipment, audits and professional development.

A round table discussion was held in the evening and the following topics were presented and/or discussed: probabilistic mixture analysis, changing interpretation guidelines, STR sequence diversity database, Y-Screening and direct amplification of sexual assault samples, using the 7500 as a fluorometer, and interesting artifact peaks with Identifiler Plus.

Thursday, July 16, 2015

The Chair introduced Dr. Joel Sutton, Chair of the Autosomal STR Committee, to review his final report for the SWGDAM Interpretation Guidelines for Autosomal STR Typing by Forensic DNA Typing Laboratories. Dr. Sutton described the Committee's review of the public comments and explained revisions made to address comments. Dr. Sutton acknowledged the dedicated work of the Committee members in completing the interpretation document. Following the revision and discussion of several definitions, the SWGDAM membership and Executive Board approved the final report for posting on the SWGDAM web site.

Dixie Peters, Chair of the Enhanced Detection Methods Interpretation Committee, reviewed the revisions to the Contamination Prevention and Detection Guidelines for Forensic DNA Laboratories to address comments received during the public comment period. After a review of the final report, the SWGDAM membership and Executive Board unanimously approved the document for posting on the SWGDAM web site.

In the afternoon, Ms. Carlson reviewed the progress from this meeting and outstanding issues. Ms. Carlson reviewed the proposed revisions to the definitions as well as additional suggestions for the professional development and outsourcing ownership Standards. Ms. Carlson discussed remaining outstanding issues relating to the personnel and proficiency testing Standards and sought input from the attendees on future revisions.

The Chair updated attendees on the next meeting which will be held on July 11-13, 2017 and will be similarly focused on the Quality Assurance Standards. The Chair also recognized Brian Hoey from the Missouri State Patrol and a member of the SWGDAM Executive Board, for his valuable contributions to SWGDAM and the Executive Board as he has been promoted to Assistant Director. Thank you and congratulations Brian!

III. Attendees:

Please see Attachment 2.

IV. Next Meeting:

The next meeting will be held July 11-13, 2017.



SCIENTIFIC WORKING GROUP

DNA ANALYSIS METHODS

SWGDM REGULAR MEETING

January 10 - 12, 2017

AGENDA

Monday, January 9, 2017

SPECIAL COMMITTEE SESSION

9:00 AM - 5:00 PM QA Committee

Tuesday, January 10, 2017

8:00 AM Welcome – SWGDAM Chair

QAS REVIEW SESSION: COMMITTEE OF THE WHOLE REVIEW

8:15 AM Standard 3: Quality Assurance Program
Standard 4: Organization and Management
Standard 11: Reports
Standard 12: Review
Standard 14: Corrective Action

10:00 AM BREAK

10:15 AM Standard 17: Outsourcing

11:15 AM Presentation: The Friedrich Schiller Code - lessons learned for scientists – Walther Parson

12:00 PM LUNCH

QAS REVIEW SESSION: ROTATING SMALL BREAKOUT GROUP REVIEW

SWGDM participants will be assigned to 3 groups and rotate through 3 breakout sessions for small group discussions of the following standards:

Standard 5: Personnel, Standards 8 & 9: Validation & Analytical Procedures, and Standard 13: Proficiency Testing

Chair Anthony Onorato | Phone 703-632-7489 | Anthony.Onorato@ic.fbi.gov



SCIENTIFIC WORKING GROUP

DNA ANALYSIS METHODS

- 1:30 PM Session #1
- 2:30 PM Session #2
- 3:30 PM BREAK
- 3:45 PM Session #3
- 5:00 PM ADJOURNMENT

Wednesday, January 11, 2017

- 8:30 AM Presentation: Ancient DNA Casework at the FBI – Jodi Irwin
- 9:15 AM COMMITTEE BREAKOUT SESSIONS
- 12:00 PM LUNCH

QAS REVIEW SESSION: ROTATING SMALL BREAKOUT GROUP REVIEW

SWGDM participants will again rotate among 3 breakout sessions for small group discussions of the following standards:

Standard 6 & 7: Facilities & Evidence Control, Standard 10: Equipment Calibration and Maintenance; Standard 15: Audits; and Standard 16: Professional Development (former Safety)

- 1:30 PM Session #1
- 2:15 PM Session #2
- 3:00 PM Session #3
- 3:45 PM Session #4
- 5:00 PM ADJOURNMENT

ROUND TABLE SESSION

Moderator: Russell Vossbrink, SWGDAM Vice Chair

- 6:00 PM TBD

SPECIAL COMMITTEE BREAKOUT SESSION

- 6:00 PM QA Committee Meeting



SCIENTIFIC WORKING GROUP

DNA ANALYSIS METHODS

Thursday, January 12, 2017

8:30 AM Presentation: CODIS Laboratories – Douglas Hares

SPECIAL COMMITTEE BREAKOUT SESSION

9:00 AM – 5:00 PM NGS Working Group

9:30 AM Discussion of Pending Final Reports – Joel Sutton and Dixie Peters

10:15 AM BREAK

12:00 PM LUNCH

QAS REVIEW SESSION: COMMITTEE OF THE WHOLE REVIEW

1:30 PM All Standard Review facilitated by Jocelyn Carlson and QA Committee

3:00 PM BREAK

3:15 PM All Standard Review

4:45 PM Closing Remarks – SWGDAM Chair

5:00 PM ADJOURNMENT

**SWGDM January 2017 Meeting
January 10-12, 2017
Attendees**

SWGDM Chair
Anthony Onorato

SWGDM Executive Board
Angelo Della Manna
Brian Hoey
Amy McGuckian
Russell Vossbrink
Dawn Herkenham (IG)

SWGDM Attendees
Jack Ballantyne (IG)
Todd Bille (IG)
John Butler (IG)
Thomas Callaghan
Jocelyn Carlson (IG)
Chris Carney
Amber Carr (IG)
Jerrilyn Conway (IG)
Jennifer Coursey (IG)
Brenda Danosky (IG)
Seth Faith (IG)
Neil Fernandopulle (IG)
Russell Gettig (IG)
Katherine Butler Gettings (IG)
Debra Glidewell (IG)
Ann Marie Gross
Lisa Grossweiler (IG)
Douglas Hares (IG)
Brian Harmon (IG)
Bruce Heidebrecht
Bill Hudlow (IG)
Deedra Hughes
Ted Hunt (IG)
Jodi Irwin (IG)
Clark Jaw (IG)
Elizabeth Johnson
Kristy Kadash (IG)
Susannah Kehl
Jason Kokoszka (IG)
George Li

Charla Marshall (IG)
Scott McWilliams
Jeff Modler (IG)
Gary J. Molina
Shawn Montpetit
Tamyra Moretti
Elizabeth Morris (IG)
Mary Lou Nicholson (IG)
Jeffrey Nye (IG)
Darrel Oubre (IG)
Walther Parson (IG)
Dixie Peters
Juliet Rolando
Lisa Schiermeier-Wood (IG)
Peg Schwartz (IG)
Christie Smith (IG)
Melissa Suddeth (IG)
Joel Sutton
John Tonkyn
Peter Vallone (IG)
Ray Wickenheiser (IG)
Richard Wilson (IG)
Tim Zolandz (IG)