Monday

Missing Agendas

10:00 am - 12:00 pm Testing Protocol for Flow Computers (COGFM Ch. 22.5)

1:00 pm - 2:00 pm Temperature Correction of NGL and LPG (COMQ Ch. 11.2.4)

1:00 pm-3:00 pm Procedures for Crude Oil Gathered from Lease Tanks by Truck (COMQ/COLM Ch. 18.1)

3:00 pm - 5:00 pm COGFM Ad Hoc Group on Emerging Issues & New Standards

3:00 pm - 5:00 pm Pipeline and Marine Loading and Unloading Measurement (COLM Ch. 6.3A)

3:00 pm - 5:00 pm Custody Transfer of Crude Oil from Lease Tanks to Trucks Using Alternate Measurement Methods (COMQ/COLM Ch. 18.2)

3:00 pm - 5:00 pm Spanish Translation Working Group (COMET)

March 13, 2017
Meeting Agenda
API Chapter 8.4/ASTM D5842 Handling Fuels for Volatility Measurement

SECTION CHAIRMAN: Bobby Moore
Date: March 13, 2016 Time: 8:30 – 10:00am
Place: Addison, TX

Agenda Topic

1. Call to Order, Review API Antitrust Guidelines and Introductions  B. Moore
2. Appointment of Scribe  B. Moore
3. Review and Approval of Agenda  WG
4. Review and Approval of Fall Meeting Minutes  WG
5. Roster Review  WG
7. Old business  All
8. New business  All
10. Meeting Adjournment  B. Moore
Agenda
American Petroleum Institute
Committee of Petroleum Measurement (COPM)
MPMS Chapter 17.9 Vessel Experience Factor

Monday, March 13th.
08:30 to 10:00

1-Opening, welcome, Introductions
   Chairman

2-Antitrust Guidelines
   Chairman

3-Review and Approval of Agenda
   Chairman

4-Review and approval of Minutes from the Fall meeting at Garden Grove, CA.
   Chairman

5-Status of work items
   M. Kanenberg

6-Any other business
   Group

7-Next meeting – AdHoc Group
   Chairman

8-Next API meeting – Fall Washington, DC
   Chairman

9-Adjournment
   Chairman
AGENDA
API - CPMA
CH. 20.5 WORKING GROUP
Well Rate Determination using Well Tests
Spring 2017
Matt Zimmerman
3/13/2017, 8:30am-10:30am

1. OPENING/INTRODUCTIONS
2. APPOINTMENT OF MINUTES WRITER
3. REVIEW AND APPROVAL OF THE AGENDA
4. REVIEW AND APPROVAL OF THE MINUTES OF THE PREVIOUS MEETING
5. REVIEW PROGRESS
   5.1 DISCUSS COMMENTS FROM BALLOT 4049, January
   5.2 DETERMINE FUTURE WORK
6. NEW BUSINESS
7. NEXT MEETING
8. ADJOURNMENT
COMQ

API MPMS Chapter 11 – Physical Properties Data

Section 1 – Temperature and Pressure Volume Correction Factors for Generalized Crude Oils, Refined Products, and Lubricating Oils

Monday, March 13, 2017 9:00am-10:00am

1. Welcome
2. Introductions
3. Volunteer to take minutes
4. Approve Agenda
5. Review Working Group Progress
6. New Business
7. Next Meeting
8. Adjourn
Mercury in Glass Thermometers Ad Hoc Group
9:00 AM March 13, 2017
InterContinental Dallas, TX

Thomas Patrick - Chairman

1. Introductions
2. Review and approval of Agenda
3. Review and approval of Fall 2016 meeting minutes
4. Planning for Phase III work group
5. Old business
6. New business
7. Next meeting
8. Adjourn
API MPMS Chap. 11.3.4
Ethanol-Gasoline VCF Task Group Meeting

Monday, March 13, 10:00-11:30 am
Intercontinental Dallas, Addison, Texas

Chairman, Dale Embry

Agenda

- Introductions
- Sign-in sheet / Safety procedures
- Review and approval of the agenda
- Meeting assignments
- Review/approval of previous minutes
- Ballot Standard Development Status (Todd Coffman)
- Proposed Schedule
- Discussion
- New business
- Assignments
- Next meeting
- Draft minutes
- Adjourn
AGENDA

API Committee on Liquid Measurement (COLM)
Chapter 2 Working Group
Tank Calibration

InterContinental Hotel
Dallas (Addisson), Texas

Monday, March 13, 2017
10:00 AM – 12:00 PM

Chairman: Dan Comstock

1. Opening, introductions and sign-in sheets
   Chairman

2. Appointment of minutes writer (if no permanent Secretary)
   Chairman

3. Review and approval of the agenda
   Working Group

4. Review and approval of minutes from last meeting
   Working Group

5. Officer changes
   Chairman

6. Status of projects
   a. Status of Chapter 2554
   Jennifer Jones
   b. Status of Tank Calibration Frequency Project
   Dan Comstock
   c. Status of Chapter 2.2D
   D’Arcy Trask
   d. Status of Chapter 2.2A
   Dan Comstock

7. Old business
   Working Group

8. New business
   Working Group

9. Date of next meeting
   Chairman

10. Adjournment
    Chairman
Meeting Agenda
Committee of Petroleum Measurement (COPM)

API COMQ Chapter 10.10

March 13, 2017

Dallas, TX

10:00 am – 12:00 pm

1. Opening and introductions Chair
2. Appointment of Scribe Chair
3. Anti-Trust Chair
4. Review and approval of the agenda Chair
5. Review and approval of minutes from last meeting Chair
6. Current status of the document Chair
7. Old business Chair
8. New business Chair
9. Date of next meeting Chair
10. Adjournment Chair
Reconciliation of Liquid Tank Car Quantities
API MPMS 23.2

2017 COPM Standards Meeting
InterContinental Dallas, Addison, Texas

Chairman: Paul Genre

Time: 10am –12pm
Date: Monday March 13th, 2017

1. Welcome (CHAIR)
2. Introductions (ALL)
3. Appoint Scribe (CHAIR)
4. Antitrust Guidelines (CHAIR)
5. Review and approval of Minutes from the Fall meeting at GG, CA (ALL)
7. Standard development - update (CHAIR)
8. Subcommittee assignments; to further complete build-out of sections (ALL)
9. Other business (ALL)
10. Adjourn
AGENDA

API MPMS Chapter 20.3
Measurement of Multiphase Flow Working Group
Addison, TX

March 13th 2017
10:30 am - 12:00 pm

Pam Chacon

1. Opening and introductions Chacon
2. Appointment of minutes writer Chacon
3. Review and approval of the agenda Chacon
4. Review SRRR Chacon
7. Old business Chacon
8. New business Chacon
9. Date of next meeting Chacon
10. Adjournment Chacon
1. Welcome
2. Introductions
3. Volunteer to take minutes
4. Approve Agenda
5. Review Working Group Progress
6. New Business
7. Next Meeting
8. Adjourn
Meeting to Discuss the Standard Practice for Mixing and Handling Liquid Samples of Petroleum and Petroleum Products
API 8.3 / ASTM D5854

API Spring Meeting Dallas Texas

Time: 1:00pm – 2:30pm
Date: Monday March 13\textsuperscript{th}, 2017

1. Welcoming remarks and introductions
2. Ask for volunteer to take minutes
3. Review meeting minutes / actions (PETEX / Teleconference Jan 9\textsuperscript{th})
4. Review draft document
5. Old business
6. New business
7. Next meeting
8. Adjourn
AGENDA

API COGFM Ch. 22.1
Working Group on General Guidelines for Testing Protocols
Intercontinental Dallas, Addison, Texas

March 13, 2017
1:00 pm – 2:30 pm

Chair: Darin George

1. Opening and introductions           Darin George
2. Appointment of minutes writer (if no permanent Secretary) Working Group
3. Review and approval of the agenda Working Group
4. Review and approval of minutes from previous meetings Working Group
5. Status of projects                  Darin George
6. Old business                        Working Group
   • Review comments on draft of type testing annex
   • Preparations for Working Group ballot of annex
7. New business                        Working Group
8. Date of next meeting                Darin George
9. Adjournment
AGENDA
American Petroleum Institute
Spring 2017 COPM Meeting

Chapter 5.6 “Measurement of Liquid Hydrocarbons by Coriolis Meters"

Monday
March 13, 2017

1. Welcome and Introductions  
   Steve Whitman
2. Agenda Review  
   Group
3. Minutes Review  
   Group
4. Document Highlights  
5. Document Schedule
6. New Business  
   W. Group & Visitors
7. Future Meeting or Meetings  
   Group
8. Adjournment  
   Group
AGENDA

API - Ad-Hoc COMA Ad-Hoc Groups on New Standards

Location – InterContinental Hotel, Addison, TX

Monday, March 13, 2017

1:00 PM – 3:00 PM (Local Time)

Brian Bourgeois, Chairman

1. Welcome

2. Roll Call and Introductions

3. Appointment of scribe for this meeting

4. Review and approval of agenda

5. Discussion of relevant items

6. Action items and assignments

7. Old business

8. New business

9. Any other business

10. Next meeting date and location

11. Meeting adjournment
AGENDA

API Committee on Measurement Education and Training (COMET)
Chapter 1 Working Group
Terms and Definitions

InterContinental Hotel
Dallas (Addisson), Texas

Monday, March 13, 2017
1:00 PM – 3:00 PM

Chairman: Dan Comstock

1. Opening, introductions and sign-in sheets
   Chairman

2. Appointment of minutes writer (if no permanent Secretary)
   Chairman

3. Review and approval of the agenda
   Working Group

4. Review and approval of minutes from last meeting
   Working Group

5. Officer changes
   Chairman

6. Status of projects
   a. Update on database issues
      Jennifer Jones / Sally Goodson
   b. Update on procedural issues
      Sally Goodson / Jennifer Jones
   c. Update on discovered user issues
      Working Group

7. Old business
   Working Group

8. New business
   Working Group

9. Date of next meeting
   Chairman

10. Adjournment
    Chairman
AGENDA

API Committee on Production Measurement & Allocation (CPMA)
Chapter 20.1 Allocation Measurement
Working Group

InterContinental – Dallas, TX
Monday, March 13th, 1:00 PM - 4:00 PM
Arun Kurian — WG Chairman

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<td>Review and Approval of the Agenda</td>
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<td>General Update on Progress of Standard</td>
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<td>Discussion of SR3 – Updated Scope</td>
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<td>9</td>
<td>Break (2:30-3:00 pm)</td>
<td>A. Kurian</td>
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<td>10</td>
<td>Review of Draft Document Update</td>
<td>Group</td>
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<td>11</td>
<td>Next Steps</td>
<td>A. Kurian</td>
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<td>Next Meetings – October 16 to 20, 2017 in Washington DC</td>
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<td>Adjournment</td>
<td>A. Kurian</td>
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AGENDA

API MPMS 21.2
Working Group
InterContinental Dallas
2017- Mar-13
15:00 – 17:00 hrs

Robert Fallwell - Chair of Meeting

1. Opening and introductions  Fallwell
2. Appointment of minutes writer  Fallwell
3. Review and approval of the agenda  Fallwell
4. Review and approval of minutes from last meetings  Fallwell
   • Fall 2016 in Orange County
   • 2017-Feb-16 conference Call
5. Progress so far:  Fallwell
   • Approach to the new 21.2
   • Subgroup formation and initial sections
6. Old business  Fallwell
   • SR3 Review for new 21.2 Scope
7. New business  Fallwell
8. Date of next meeting – 2017-Oct-16 to 20 in Washington D.C.  Fallwell
9. Adjournment  Fallwell
Agenda
CPMA API MPMS Chapter 7.2

Temperature Measurement - PETs

Working Group

Mar 13th, 2017
3:00 – 5:00 p.m.

Location Dallas

Agenda Topic

1. Opening & Introductions
2. Review of agenda
3. Review of minutes from last meeting
4. Appointment of Secretary
5. Ch 7.2 status
6. Old Business
7. New Business
8. Next Meeting
9. Adjournment
1. Welcome & Introductions by Chair
2. Membership List & Sign Up Sheet Circulation
3. Review and Approval of Agenda
4. Approval of Previous Minutes
5. Physical Properties Standards
   A. Chapt. 11.1 – Crude Oils, Refined Prod., and Lube Oils
      Chapt. 11.1−2004 (Temp. & Press. VCFs for General Crude Oils, Refined Prod., and Lube Oils)
      Status of editorial revisions
      Review of open items (Keith Fry)
   B. Chapt. 11.2 – Light Hydrocarbons
      Chapter 11.2.1 and 11.2.1 M (1984) -Compressibility Factors for Hydrocarbons: 0-90 °API Gravity and
      638-1074 Kilograms per Cubic Metre Ranges
      Chapter 11.2.3 and 11.2.3M (1984) -Water Calibration of Provers
      Chapt 11.2.2 − 1984(03) (Compress. Factors for Hydrocarbons: 0.350-0.637 Rel Den. &-50ºF to 140ºF)
      Chapt 11.2.2M − 1986(02) (Compress. Factors for Hydrocarbons: 350-637 kg/m 3 (15ºC) & -46ºC to 60ºC)
      Chapt 11.2.2A − 1984 (Addendum to Correlation of Vapor Pressure Correction for NGL)
      Chapt 11.2.4 − 2006 / GPA TP-27 (Temperature Correction for the Volume of NGL and LPG - Tables 23E,
      24E, 53E, 54E, 59E, 60E)
      Status of working group and ballot item
      Chapt 11.2.5 − 2006 / GPA TP-15 (A Simplified Vapor Pressure Correlation for Commercial NGL’s)
   C. Chapt. 11.3 – Misc. Hydrocarbon Products
      Chapt 11.3.2.1 − 1974(02) (Ethylene Density)
      Status of implementation procedure draft
      Chapt 11.3.2 − 1974 (Propylene Compressibility)
      Status of work item development
      Chapt 11.3.3 – Ethanol VCF Tables (in progress)
      Status of revisions and compressibility appendix
      Chapt 11.3.4 – Gasohol VCF Tables (in progress)
      Status of ballot development
      ASTM D1550 (Butadiene)
      Status of work item
      ASTM D2962-97 (Coal –Tar Pitches)
D. Chapt 11.4 – Reference Materials
   Chapt 11.4.1 – 2004 (Density of Water & Water VCFs for Volumetric Meter Proving)
   Discussion about change of equations by ASTM

E. Chapt. 11.5 – Density/Weight/Volume Intraconversion Tables
   Chapt 11.5.1 – 2006 (Entry With API Gravity at 60°F)
   Chapt 11.5.2 – 2006 (Entry With Relative Density at 60°F)
   Chapt 11.5.3 – 2006 (Entry With Absolute Density at 15°C)
   Status of ballot

F. ASTM D4311/D4311M - 09 (Asphalts) – not a joint standard, informational only

G. ASTM D1555/D1555M - 09 (Aromatics and Cyclohexane) – not a joint standard, informational only

8. Other Old Business

9. New Business

10. Next Meeting

   2017 Fall Committee On Petroleum Measurement Standards Meeting
   October 16, 2017 to October 20, 2017
   Hyatt Regency Washington on Capitol Hill, Washington, DC

11. Adjournment
Meeting Agenda

American Petroleum Institute
COMMITTEE ON MEASUREMENT ACCOUNTABILITY (COMA)
Chapter 17.2, Measurement of Cargoes On Board Tank Vessels
InterContinental Dallas
Addison, Texas

Time: 3:00 pm – 5:00 pm
Day: Monday March 13, 2016

Rick Slaughter - Chairman

1. OPENING AND WELCOME   Rick Slaughter
2. ROLL CALL     Rick Slaughter
3. REVIEW AND APPROVAL OF AGENDA   Rick Slaughter
4. CHAPTER REVIEW     Rick Slaughter
5. ASSIGN SECTION WORKS   Group
6. NEW BUSINESS     Rick Slaughter
7. ADJOURNMENT     Rick Slaughter
API CPMA Wet Gas Sampling Ad Hoc Group Meeting Agenda

Monday, March 13, 2017 3:30-5:00 PM
InterContinental Dallas
Addison, Texas

1. Opening and introductions        Chair
2. Appointment of minutes writer        Chair
3. Review and approval of the agenda        Chair
4. Discussion of White Paper        WG
5. Assignments        Chair
6. Other Business        Chair
7. Date of next meeting        Chair
8. Adjournment        Chair
Tuesday

Missing Agendas

8:30 am - 10:00 am Collecting and Handling of Natural Gas Samples for Custody Transfer (COGFM Ch. 14.1)

10:30 am - 12:30 pm Review and Revision of TR2571, Fuel Gas Measurement - Simplified Flow Measurement and System Uncertainty Determination

1:00 pm - 3:00 pm Ad Hoc Committee on Flow Conditioning

3:00 pm - 5:00 pm Metering (COLM Ch. 5)

3:00 pm - 5:00 pm COMQ Ad Hoc Group on New Standards

March 14, 2017
AGENDA
American Petroleum Institute (API)
2017 Spring COPM – March 14, 2017 08:30

COMA - Chapter 17.14 – Measurement of Bulk Cargoes by Draft Displacement Survey

1) Attendees (Roll Call)

2) Volunteer/Assign to take minutes

3) Review of Minutes from October 15th Meeting in Anaheim

4) Discuss state of the standard.

5) Review submitted comments.

6) Next Drafting meeting–API COPM 2017 fall meeting in Dallas, Wednesday March 15, 2017 @ 10:30.

7) Next general Meeting–API COPM 2017 fall meeting in Washington DC, Tuesday October 17, 2017.
AGENDA

API CPMA Ad Hoc Group on
Proving and Meter Verification for Allocation
InterContinental Dallas, Addison, TX

Tuesday, 14 March 2017
8:30 AM – 10:00 AM

Chair of Meeting – Chuck Woods

1. Opening and introductions Woods
2. Appointment of minutes writer Woods
3. Review and approval of the agenda Woods
4. Review and approval of minutes from last meeting Woods
5. Status of projects Woods
6. Old business - Briefings Woods
7. New business – Steps Forward All
8. Date of next meeting Woods
9. Adjournment Woods
Agenda

API COPM
Committee on Measurement Quality
Chapter 7.4 (Dynamic Temperature Measurement)
Intercontinental Hotel
Addison, Texas

Time: 8:30am-10:00am
Day/Date: Tuesday March 14, 2017

Chair: Todd Phillips

1. Opening
2. Review Minutes from Last Meeting
3. Review Ballot Comments
4. Other Business
5. Next Meeting
6. Adjournment
Agenda

American Petroleum Institute
Committee on Liquid Measurement (COLM)
Chapter 12 - Calculation of Petroleum Quantities

08:30 - 12:00 Inter Continental Hotel
Tuesday, March 14th, 2016 Addison, TX

A. Kay, Chairman

1. OPENING AND WELCOME Chairman
2. REVIEW AND APPROVAL OF AGENDA Chairman
3. APPROVAL OF MINUTES OF PREVIOUS MEETING Chairman
4. REVIEW OF CURRENT STATUS OF CHAPTER 12 DOCUMENTS
   - Chapter 12.1.1 – no current activity Chairman
   - Chapter 12.1.2 – review of status of Ballot comments Chairman
   - Chapter 12.3 – review of Canadian Oil Sands study Chairman
   - Chapter 12.4.1 – Status updates J. Gallagher
   - Chapter 12.4.2 – no activity until Chapter 12.2 published Chairman
   - Chapter 12.4.3 – no activity until Chapter 12.2 published Chairman
5. CHAPTER 12.2 – Review status of document re-write and future actions Scott Tanner
6. NEW BUSINESS Chairman
7. NEXT MEETING Chairman
8. ADJOURNMENT Chairman
Agenda
API CPMA Ad Hoc Group on Emerging Issues
Tuesday, 14 March 2017
10:00 am – 12:00 pm
InterContinental Dallas, Addison Texas

1. Opening remarks  Courtney
2. Adoption of the agenda  Courtney
3. Ad Hoc Group Briefings
   a. Wet Gas Sampling  Landes
   b. Proving and Meter Verification for Allocation  Woods
   c. Vented Sources of Gas  Woodard
4. New Issues  All
5. Date of next meeting  Courtney
6. Adjournment  Courtney
Agenda
American Petroleum Institute
Committee on Liquid Measurement
Chapter 3 Task Group Meeting - Tank Gauging
InterContinental Dallas
Addison, Texas
March 14, 2017
10:00 am – 12:00 pm
Jeff Carty – Chairman

1. Opening Antitrust remarks / introductions
2. Membership list & sign-in sheet circulation
3. Appointment of volunteer scribe for this meeting
4. Review Prior Minutes
5. Review and Approval of Agenda
6. Reports on Status of Documents
   3.1B Level Measurement of Liquid Hydrocarbons In stationary tanks by Automatic Tank Gauging (2021) SRRR approved
   3.2 Gauging Petroleum and Petroleum Products in Tank Cars (2018)
   3.3 Level Measurement of Liquid Hydrocarbons in Stationary Pressurized Storage Tanks by Automatic Tank Gauging (2016)
      Passed (49 Affirm, 5 Abstain, 15 Non-Vote)
   16.2 Ad-Hoc Committee – Committee agreed to bring into Ch.3 Develop a committee to open document make revisions, possibly separating it to Chapter 13.
7. Old Business – M. Chaney - Flow Chart - procedure in 3.1A describing how to do it similar to 18.1. Examples with conflicting info in MPMS were given. Gauge, temp, sample OR sample temp gauge OR what?
8. New Business
10. Adjournment
1. Welcome and Opening Remarks

2. Review of WG Membership – Welcome New Member(s)

3. New Business


5. Discussion of Use of LNG as Engine Fuel on Non-LNG Carriers

6. Discussion How to Coordinate with SGMF

7. Review / Discussion of ISO / FDIS – “.... Metering of gas as fuel on LNG carriers during cargo transfer operation.”

8. Discussions of Possible Additions to 17.10.1 re Measurement of LNG as Bunkers on Non-Gas Carriers

9. Status of WG Relation with ISO

10. Any Other Business

11. Date / Place of Next Meeting

12. Adjournment
AGENDA

American Petroleum Institute (API)

COPM 2017 SPRING MEETING

COLM – Chapter 4.9.1 Drafting Group

*Introduction to the Determination of the Volume Of Displacement and Tank Provers*

Intercontinental Dallas
Dallas, TX

Tuesday March 14, 2017
10:00 AM – 12:00 PM

1. Welcome and Call to Order Chairman
2. Roll Call and Introduction of Visitors Chairman
3. Appointment of Volunteer Scribe Chairman
4. Review and Approval of the Agenda Drafting Group
5. Review and Approval of Minutes of Last Meeting Drafting Group
6. Review of Draft to Date Drafting Group
7. Old Business Drafting Group
8. New Business Drafting Group
9. Determination of Next Meeting and Location Drafting Group
10. Adjournment Chairman
AGENDA

Metering Assemblies
API MPMS Ch 6.1A – General Considerations
Addison, Texas

Tuesday, March 14, 2017
1:00 pm – 2:30 pm

Pamela Chacon / Patrick Ross – Co-Chairs

1. Opening and introductions Speaker
2. Appointment of minutes writer (if no permanent Secretary) Speaker
3. Review and approval of the agenda Speaker
4. Review and approval of minutes from last meeting Speaker
5. Update on Ballot Speaker
   a. COPM approved for the document to be sent for ballot, minus the references to sub-chapters
   b. Document sent for ballot 13 Jan 17
   c. Ballot comments were due 24 Feb 17
   d. Ballot statistics
   e. Ballot comment overview
6. Old business Speaker
7. New business Speaker
8. Date of next meeting Speaker
9. Adjournment Speaker
AGENDA

AMERICAN PETROLEUM INSTITUTE
CHAPTER 13
Statistical Aspects of Measurement and Sampling
2017 Spring COPM Meeting, Addison, TX

Tuesday, March 14, 1:00 – 2:30 pm,
Chair: Mark Desinger, Alyeska Pipeline Service Company

I. Welcoming remarks and introductions (Chair)
II. Appointment of Minutes writer (Chair)
III. Review and approval of the agenda (Chair)
IV. Review and approval of the minutes (Chair)
V. Officer Change (None)
VI. Statuses (Chair)
VII. Old Business (All)
   a. 13.2: Review WG Ballot comments
   b. 13.3: Review COLM Ballot comments
VIII. New Business (All)
IX. Date of next meeting (Chair)
X. Adjournment (Chair)
AGENDA – API

CHAPTER 7 WORKING GROUP
TEMPERATURE DETERMINATION
March 14, 2017
Intercontinental Hotel, Addison Texas

ANNE BRACKETT, Chairman

1. OPENING & INTRODUCTIONS
   Antitrust information
   Anne Brackett

2. REVIEW AND APPROVAL OF THE AGENDA
   Anne Brackett

3. REVIEW & APPROVAL OF CHAPTER 7 MINUTES
   Anne Brackett

4. MERCURY-IN-GLASS THERMOMETERS ALTERNATIVES TESTING
   Report on preparation for Phase III testing.
   Tom Patrick

5. DISCUSSION ITEMS
   Anne Brackett
   a. Status of Sections
      1. 7.1 Liquid-in-Glass Thermometers
         Stewart Ash
      2. 7.2 Portable Electronic Thermometers
         Christian Skaug
      3. 7.3 Ballot for reaffirmation
         Sally Goodson
      4. 7.4 Dynamic Temperature Measurement
         Todd Phillips

6. DECISIONS ON NEXT WORKING GROUP MEETINGS
   Anne Brackett

7. ADJOURNMENT
Agenda

American Petroleum Institute
Chapter 14.3 Working Group

1:00 PM – 2:30PM
Tuesday
March 14, 2017
InterContinental Dallas
Addison, Texas

Don Sextro, Chairman

1. Welcome
   D Sextro
2. Introductions
   Group
3. Review and Approval of Agenda
   Group
4. Review and Approval of Last Meeting Minutes
   Group
5. Part 1 – Status Review
   D Sextro
6. Part 2 – Status Review
   J Williams
7. Part 3 – Status Review
   D Sextro
8. Part 4 – Update on Revision
   M Abens
9. Other Business
   Group
10. Next Meeting
    Group
11. Adjournment
    D Sextro
AGENDA

COLM Ad-Hoc Committee – DRA Influence on Pipeline Meters
InterContinental Hotel Dallas Texas
March 14, 2017

1. Opening/Attendees Present J. Rasmussen
2. Updates to DRA matrix/Spread Sheet Group
3. Discuss/Review Committee DRA Meter Data Group
4. Discussion: PRCI Plans for DRA Study L. Nava
5. Timeline for Technical/White Paper Group
6. Other Discussion, Concerns or Issues Group
7. Schedule Next Meeting/Conference Call Group
8. Adjourn
Agenda

American Petroleum Institute
COMMITTEE ON MEASUREMENT EDUCATION & TRAINING

1:30 pm – 4:00 pm Intercontinental Hotel
Tuesday, March 14, 2017 Addison, TX

Fateh (TJ) Tajani, Chairman
Marcelo Remotti, Vice Chairman

1. Opening TJ Tajani
2. Roll Call Sally Goodson
3. Review and approval of agenda TJ Tajani
4. Review and approval of Fall 2016 meeting minutes TJ Tajani
5. Feedback on the breakfast and training sessions Group
   a. General Session – Monday morning
   b. General Session – Tuesday morning
   c. Chairman Orientation Bill Schmidt
6. COPM Orientation and Work Group Initiatives Ari Camin
7. Chapter 1 Updates Dan Comstock
8. Spanish Translation Work Group Roger Burnison
9. COMET seminar topics for Fall 2018 COPM meeting TJ Tajani
10. Invitation to new members TJ Tajani
11. Adjournment TJ Tajani
1. Opening remarks/introductions
2. Antitrust reminder
3. Roll call/membership report
   3.1. Determination of quorum
   3.2. COPM definition of interest categories
4. Adoption of the agenda
5. Approval of the minutes of prior meeting (October, 2016)
6. Work Group Presentations
   6.1. Ch. 20.1 Production Measurement & Allocation
   6.2. Ch. 20.2 Production Allocation Measurement Using Single Phase Devices
   6.3. Ch. 20.3 Multiphase Metering
   6.4. Draft Standard Phase Behavior Application
   6.5. RP 20.5 Well Rate Determination
7. Report on Ad Hoc Group meeting
8. Action to take on RP 87
9. BLM Report
10. New Work Proposals/Funding requests: SR3
11. Other Business
   11.1. UPM Forum presentation update
12. Date of next meeting
13. Adjournment
Wednesday

Missing Agendas

8:30 am - 10:00 am Displacement Provers Working Group (COLM Ch. 4.2)
10:00 am - 11:30 am Proving Systems Working Group (COLM Ch. 4)

March 15, 2017
Meeting Agenda
American Petroleum Institute

SUB-COMMITTEE ON MEASUREMENT ACCOUNTABILITY (COMA)

07:30am – 9:30am Intercontinental Hotel
Wednesday, March 15, 2017 Addison, TX

John Ianni, Chairman
Brian Bourgeois, Vice Chairman

1. Opening, Welcome and appointment of a scribe

2. Roll Call

3. Review and Approval of Agenda

4. Review and Approval of Fall 2016 meeting minutes

5. Review and Update of COMA Activities

A. Status of Standards Due
   - Chapter 17.5, EI HM 64 (3rd edition) – Guidelines for Voyage Analysis and Reconciliation of Cargo Quantities – Due April 2017 – (This standard is a joint standard with the EI, HM64)
   - Chapter 17.9 (3rd edition) – Vessel Experience Factor (VEF) – Due May 2017 (note, this standard has an addendum 1, dated January 2014) - (This standard is a joint standard with the EI, HM49)

B. Standards under Revision/ Review – Update

   i. Chapter 17.2 (3rd edition) – Measurements of Cargoes on Board Tank Vessels – Due September 2016 (2 year extension granted until September 2018) – Arthur Kay

   ii. Chapter 17.9 (3rd edition) – Vessel Experience Factor (VEF) – Due May 2017 – Phil Burris

   iii. Chapter 17.10 W.G. – Measurement of Cargoes on Board Marine Gas Carriers – Bruce Abugel


   v. Chapter 23.2 (1st edition) – Reconciliation of liquid tank car(s) quantities – New Standard – Paul Genre
6. COMA Ad – Hoc Meeting

7. Liaison Reports

A. COMET – Chapter 1 Terms and Definitions

B. LEAP Update

C. EI Liaison Report

D. IFIA Reports

8. Old Business

9. New Business


11. Adjournment
AGENDA

Committee D02.02.09/ COMQ Chapter 9

DENSITY WORKING GROUP

March 15, 2017

Peter Kosewicz – Chair

1. Opening

2. Appointment of Minutes Writer

3. Review and Approval of Agenda

4. Status of Density Standards

5. Review of SRRR’s for Density Stds
   a. D 1298
   b. D 1657
   c. D 6822

6. Status of Continuous Density Standard
   a. API MPMS Ch 9.4
   b. Research Task Force

7. Old Business

8. New Business

9. Next Meeting of Working Group
   a. June 2017 in conjunction with ASTM D2

10. Adjournment
AGENDA - API

Ch 3.1B Ad Hoc Group

Mar 15th 2017
8.00-10.00 am CST

1. OPENING  
2. APPOINTMENT OF MINUTES WRITER (if no permanent Secretary)  
3. REVIEW AND APPROVAL OF THE AGENDA  
4. DISCUSSION 3.1B DRAFT  
5. OLD BUSINESS  
6. NEW BUSINESS  
7. ADJOURNMENT
Committee on Liquid Measurement
METERING SYSTEMS WORKING GROUP
InterContinental, Addison, TX
Wednesday, March 15, 2017
8:00 am – 10:00 am
Peter Kosewicz – Co-Chair
Morg Bruck – Co-Chair

1. Opening
   P. Kosewicz

2. Appointment of Minutes Writer
   M. Bruck

3. Review and Approval of Agenda
   P. Kosewicz

4. Review and Approval of Minutes from 19OCT16
   P. Kosewicz

5. Report on Status of Documents
   a. Drafting Group for Chapter 6.1A – General Considerations
      P. Ross /P. Chacon
      i. Report on meeting of Drafting Group Chairs
      ii. Review of ballot status
   b. Drafting Group for Chapter 6.2A – Truck/Rail
      M. Dudley/T. Coffman
      i. Review of draft document status
   c. Drafting Group for Chapter 6.3A – Pipeline/Marine
      L. James /T. Phillips
      i. Review of draft document status

6. Review Logistics Issues
   a. Adobe meeting, roster updates, working draft access
      DG’s & WG
   b. Wrap up/ongoing issues
      Bruck

7. Old Business
   Kosewicz

8. New Business
   Bruck

9. Next Meeting of Working Group – 18OCT17, Hyatt Regency, Washington, DC

10. Adjournment
Agenda

American Petroleum Institute

Chapter 14.10 WG

InterContinental Dallas – Addison, TX

Wednesday March 15, 2017, 10:00 am – 12:00 pm

Chair, Eric Estrada

Vice-Chair, Zaki Hussain

1. Opening and Welcome

2. Introductions and sign-in sheet

3. Review and approval of agenda

4. Review and Approve Fall 2017 Minutes

5. API MPMS Chapter 14.10
   a. Discuss and review final document before sub-committee balloting

6. New Business

7. Old Business

8. Adjourn
AGENDA

API COMQ / ASTM D02.02 STATIC MEASUREMENT

Wednesday, March 15, 2017
Addison, TX
10:00am to 12:00am

Kristen Nelson, COMQ Chair
David Fish, Vice Chair
Hap Thompson, Vice Chair – ASTM Liaison

1. OPENING
   
   2. MEMBERSHIP AND ROLL CALL
      a. Proxies
      b. Roll Call
      c. Membership

3. REVIEW AND APPROVAL OF THE AGENDA
   
4. REVIEW AND APPROVAL OF FALL 2016 MEETING MINUTES
   
5. INFORMATION ITEMS
   a. Status of Standards
   b. Status of Ballots
   c. Officer Changes

6. WORKING GROUP REPORTS
   a. MIGTF
   b. Chapter 7 – Temperature Determination
   c. Chapter 8 – Sampling
   d. Chapter 9 – Density Determination
   e. Chapter 10 – Sediment and Water
   f. Chapter 11 – Physical Properties Data
   g. Chapter 15 – Guidelines for the Use of SI Units
   h. Chapter 18 – Crude Oil Gathering from Lease Tanks
      Vandiver
1. Chapter 1 Terms and Definitions
2. Old Business
3. New Business
10. Next meeting

The next COMQ/ASTM D02.02 meeting is scheduled to take place the Week of October 16 - 20, 2017 Hyatt Regency – Capitol Hill, Washington D.C.

11. Adjournment
AGENDA
American Petroleum Institute (API)
2017 Spring COPM – March 15, 2017 10:30

COMA - Chapter 17.14 – Measurement of Bulk Cargoes by Draft Displacement Survey

1) Attendees (Roll Call)
2) Volunteer/Assign to take minutes
3) Review of Minutes from October 19th Meeting in Anaheim
4) Discuss state of the standard.
5) Review submitted comments.
6) Discuss next steps.
7) Next general Meeting–API COPM 2017 fall meeting in Washington DC, Tuesday October 17, 2017.
Meeting Agenda
CELE Meeting, Spring 2017
Addison, TX
Wednesday, March 15, 2017 – 1:00 PM–5:00 PM

1. Introductions and Opening remarks – All present
2. Membership/Roll Call to determine quorum – S. Goodson
3. Review and approval of Agenda – Chair
4. Approval of previous meeting minutes (October 2016 COPM meeting) – Chair
5. Discussion of old/continuing business/action items: Brief update, member input and resolution/go forward plan for pending issues:
   5.1. Ch. 19.6, Part 1 and 19.6, Part 2:
      5.1.1. Ch. 19.6, Part 1 (TR 2567) – Document is in API editorial and PP2 have been reviewed – S. Goodson
      5.1.2. Ch. 19.6, Part 2 (TR 2568) – Update of status of finalizing draft of new Appendix D giving guidance on estimating emissions when using distillate to reduce degassing emissions and re-formatting the document to become a Standard – S. Goodson
   5.2. Ch. 19.1, 5th edition and Ch. 19.4, Annex I – Status of Publication – S. Goodson
   5.3. Ch. 19.3 Part H, Tank Seals and Fittings Certification – revision (incorporating Parts F and G as appropriate), Review of Status of the document – R. Ferry
   5.4. Ch. 19.4, Evaporative Loss Reference Information and Speciation Methodology, Phase I status update – Y. Yang
   5.5. PTAC UG and Horizontal Tank Emissions: Convective Evaporation Losses Study – S. Goodson
7. Alternative approach for field testing of No. 6 fuel oil tanks – T. Johnson
8. Data on No. 6 fuel oil vapor pressure – J. McDonald
9. UT Austin heavy refinery liquid vapor pressure measurement project – K. Rosselot
10. EPA Report – M. Ciolek
11. CARB Report – J. Fischer
12. TCEQ Report – T. Hurley
13. Potential new projects
   13.1. SR3s/funding requests
14. Review of Priority Item List - Group
15. Discussion of New Business Items: Brief update, member input and resolution/go forward plan for pending issues
16. Action item review and schedule for next two conference calls before the Fall 2017 meeting (October 16-20, 2017, Washington D.C.) – S. Goodson
17. Wrap-Up and Adjournment – Chair
Thursday

March 16, 2017
Meeting Agenda  
CELE Meeting, Spring 2017  
Addison, TX  
Thursday, March 16, 2017 – 8:00 AM–12:00 PM  

1. Introductions and Opening remarks – All present  
2. Membership/Roll Call to determine quorum – S. Goodson  
3. Review and approval of Agenda – Chair  
4. Approval of previous meeting minutes (October 2016 COPM meeting) – Chair  
5. Discussion of old/continuing business/action items: Brief update, member input and resolution/go forward plan for pending issues:  
   5.1. Ch. 19.6, Part 1 and 19.6, Part 2:  
      5.1.1. Ch. 19.6, Part 1 (TR 2567) – Document is in API editorial and PP2 have been reviewed – S. Goodson  
      5.1.2 Ch. 19.6, Part 2 (TR 2568) – Update of status of finalizing draft of new Appendix D giving guidance on estimating emissions when using distillate to reduce degassing emissions and re-formatting the document to become a Standard – S. Goodson  
5.2. Ch. 19.1, 5th edition and Ch. 19.4, Annex I – Status of Publication – S. Goodson  
5.3. Ch. 19.3 Part H, Tank Seals and Fittings Certification – revision (incorporating Parts F and G as appropriate), Review of Status of the document – R. Ferry  
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12. TCEQ Report – T. Hurley  
13. Potential new projects  
   13.1. SR3s/funding requests  
14. Review of Priority Item List - Group  
15. Discussion of New Business Items: Brief update, member input and resolution/go forward plan for pending issues  
16. Action item review and schedule for next two conference calls before the Fall 2017 meeting (October 16-20, 2017, Washington D.C.) – S. Goodson  
17. Wrap-Up and Adjournment – Chair
**AGENDA for API COMMITTEE ON GAS FLUIDS MEASUREMENT (COGFM)**

Addison, TX  
March 16, 2017, 8:00 AM – 12:00 PM  
**Don Sextro**, Chair/Stormy Phillips, Vice Chair  
**Jennifer Jones**, API Staff

<table>
<thead>
<tr>
<th>Welcome and Introduction</th>
<th>Don Sextro</th>
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<tbody>
<tr>
<td>Roll call/Quorum determination</td>
<td>Jennifer Jones</td>
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<tr>
<td>Review and Approval of the Agenda (Changes)</td>
<td>Don Sextro</td>
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<tr>
<td>Review and Approval of minutes of 2016 Fall Meeting</td>
<td>Don Sextro</td>
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<tr>
<td><strong>Chapter 14.1</strong>: Collection and Handling of Natural Gas Samples for Custody Transfer</td>
<td>Ron Carnahan</td>
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<tr>
<td><strong>Chapter 14.2</strong>: Compressibility Factor of Natural Gas &amp; other Related HC Gases (AGA No. 8)</td>
<td>See AGA Report</td>
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| **Chapter 14.3**: Concentric, Square-Edged Orifice Meters  
  Part 1: Status Report | Don Sextro |
|  Part 2: Status Report | Jane Williams |
|  Part 3: Status Report | Don Sextro |
|  Part 4: Status Report | Mary Abens |
| **Chapter 14.4**: Converting Mass of NGL and Vapor to Equivalent Liquid Volumes.(GPA 8173) | Eric Estrada |
| **Chapter 14.5**: Calculation of Gross Heating Value, Specific Gravity, and Compressibility of Natural Gas Mixtures from Compositional Analysis (GPA 2172) | Eric Estrada |
| **Chapter 14.6**: Continuous Density Measurement (9.4) | Peter Kosewicz |
| **Chapter 14.7**: Mass Measurement of Natural Gas Liquids (GPA 8182) | Eric Estrada |
| **Chapter 14.8**: Liquefied Petroleum Gas Measurement | Ken Wilson |
| **Chapter 14.10**: Measurement of Flow to Flare | Eric Estrada |
| **Chapter 14.12**: Vortex Meter WG Report | Jennifer Jones |
| **Chapter 22.1**: Testing Protocol – Introduction | Darin George |
| **Chapter 22.2**: Testing Protocol – Differential Pressure Devices | Richard Estabrook |
| **Chapter 22.3**: Flare Gas Meter Testing Protocol | Eric Estrada |
| **Chapter 22.4**: Testing Protocol – Pressure, DP, & Temperature Measuring Devices | Casey Hodges |
| **Chapter 22.5**: Testing Protocol for Electronic Flow Computers for Gas Flow | Casey Hodges |
| **Chapter 22.6**: Gas Chromatograph Testing Protocol | Darin George |
| **TR2571**: Fuel Gas Measurement | Stormy Phillips |

**COGFM Emerging Issues**  
**Updates from Other Organizations**  
AGA  
BLM  
GPA  
**New Business**  
SR3 Reviews  
**Next Meeting /Adjournment**  
Washington, DC  
October 19, 2017
Agenda

Committee on Liquid Measurement Meeting
Thursday, March 16th, 2017 1:00 PM
Addison, TX
Chair: Hilary Gleitz; Vice Chairs: Todd Phillips & Jason Sharbonno

1. Opening, Welcome and Introductions Hilary Gleitz
2. Roll Call /Quorum Determination/Appointment of Scribe Jennifer Jones
3. Review & Approval of Agenda Committee
4. Review & Approval of the Fall 2016 Meeting Minutes Committee
5. Standards Reaffirmation / Ballot / Status Review Jennifer Jones
6. COLM Working Group Reports
   A. Chapter 2; Tank Calibration Dan Comstock
   A1. Std 2554 Jennifer Jones
   B. Chapter 3; Tank Gauging Jeff Carty
   C. Chapter 4; Proving Systems Galen Cotton
   D. Chapter 5; Metering Morg Bruck
   D.1 Chapter 5.6 Steve Whitman
   D.2 Chapter 5.9 (TR2577) Jennifer Jones
   E. Chapter 6; Meter Assemblies Peter Kosewicz / Morg Bruck
   F. Chapter 12; Calculation of Petroleum Quantities Arthur Kay
   F.1 Chapter 12.1.2 Jennifer Jones
   G. Chapter 13; Statistics (Task Group) Mark Desinger
   H. Chapter 18; Crude from Tanks by Truck Mark Vandiver
   I. Chapter 21.2; Electronic Measurement Robert Fallwell
   J. DRA Ad Hoc Joe Rasmussen
7. New & Other Business Committee
   New SRRR Etc. as required
9. Chairman’s Closing Remarks/Adjournment Hilary Gleitz
MEETING PURPOSE:

1) Discuss industry trends that impact the standards-writing work of the COPM
2) Review and act on recommendations from COPM Committees
3) Review the status of the approved 2017 and proposed 2018 projects
4) Review status and future actions on COPM strategic objectives

1. OPENING REMARKS & MEETING PURPOSE     B. Schmidt

2. SELF-INTRODUCTIONS AND QUORUM DETERMINATION  All/D. Miller

3. APPROVAL OF MEETING AGENDA & OCT 20 AND DEC 1, 2016 MEETING MINUTES           B. Schmidt

4. STANDARDS GOVERNANCE UPDATE

4.1 Antitrust Reminder        M. See
4.2 Report on Global Industries Services Committee    D. Miller
4.3 Report on Pipeline Subcommittee/Midstream Committee   D. Miller

5. BUDGET          D. Miller

6. COMMITTEE CHAIRMEN’S REPORTS

6.1 COMET           T.J. Tajani
6.2 COGFM           D. Sextro
6.3 COMQ           K. Nelson
6.4 COLM           H. Gleitz
6.5 COMA           J. Ianni
6.6 CELE                S. Ananthakrishna
6.7 CPMA          D. Courtney
7. NEW WORK ITEMS/SR\textsuperscript{3} Forms  
B. Schmidt

8. RECOMMENDATIONS FROM COMMITTEE REPORTS  
B. Schmidt

9. OTHER BUSINESS  
B. Schmidt

9.1 Regulatory Issues  
P. Watkins

9.2 New Measurement Professionals Group  
J. Jones

9.3 NIST Calibration Laboratory Proposal  
J. Wright

9.4 COPM Courtesy Ballots when balloting Subcommittees  
P. Watkins

10. ACTION ITEM REVIEW  
D. Miller

11. NEXT MEETING  
D. Miller

The next meeting will be held in conjunction with the 2017 Fall COPM Standards Meeting, October 16-20, 2017, in Washington, DC.

12. ADJOURNMENT  
B. Schmidt

Reviewed by API OGC