API COPM
Fall Meeting

Garden Grove, California
October 17-21, 2016
Monday

MISSING AGENDAS

- 3-5pm COLM Ch. 6.3A

October 17, 2016
Meeting to Discuss the Standard Practice for Mixing and Handling Liquid Samples of Petroleum and Petroleum Products
API 8.3 / ASTM D5854

API Fall Meeting Garden Grove California

Time: 8.30am – 10am
Date: Monday October 17th, 2016

1. Welcoming remarks and introductions
2. Ask for volunteer to the take minutes
3. Review meeting minutes / actions (Cameron BriarPark / Teleconference Sept 23rd)
4. Look into wording regarding the specific limits of 8.3 and the location within the document
5. Discuss the Acceptance Criteria and discuss issuing a call for available blinded testing data to review the current criteria
6. Old business
7. New business
8. Next meeting
9. Adjourn
AGENDA

API TR 5.9
Performance of Full Bore Vortex Meters for Measurement of Liquid Flows

Hyatt Regency Orange County

October 17, 2016
8:30-10:00 Am

Chair of Meeting: Zaki Husain, Javier Lopera

1. Opening and introductions
2. Appointment of minutes writer
3. Review and approval of the agenda
4. Resolve comments from TR to be able to Publish document
5. Assignments
6. Other Business
7. Date of next meeting
8. Adjournment
# Agenda

**American Petroleum Institute**  
Committee of Petroleum Measurement (COPM)  
MPMS Chapter 17.9 Vessel Experience Factor

**Monday, October 17th**  
09:00 to 10:30  
Garden Grove, CA

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<td>Appointment of Scribe</td>
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<td>3</td>
<td>Review and Approval of Agenda</td>
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<td>4</td>
<td>Review and approval of Minutes from the Spring meeting at Dallas, Texas</td>
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| 5    | Status of work items  
   - Task Group  
   - Ad Hoc Group | M. Kanenberg  
P. Burris |
| 6    | Old business | Working Group |
| 7    | New business | Working Group |
| 8    | Next API meeting – Spring 2017 Dallas, TX | Chairman |
| 9    | Adjournment | Chairman |
1. Introductions
2. Review and approval of Agenda
3. Review and approval of Fall 2015 meeting minutes
4. Presentation of AmSpec testing protocol
5. Statistics Analysis Summary Report, API MIG-replacement Phase II Project by Alex Lau TCL-Consulting
6. Planning for Phase III work group to begin
7. Next meeting
8. Adjourn
AGENDA
API - CPMA
Ch. 20.5 WORKING GROUP
Well Rate Determination using Well Tests
October 17, 2016
8:30am – 12:00pm
Dan Cutting – Chairman

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 UNRESOLVED COMMENTS
   5.2 REVIEW RESOLVED COMMENTS
6. NEW BUSINESS
7. NEXT MEETING
8. ADJOURNMENT
AGENDA

American Petroleum Institute (API)

COPM 2016

Fall MEETING

COLM – Chapter 2.2D

Tank Calibration Working Group

Hyatt Regency

Garden Grove, California

Monday, October 17, 2016

10:00 PM – 12:00 PM

1. Welcome and Call to Order Chairman
2. Roll Call and Introduction of Visitors Chairman
3. Appointment of volunteer scribe for this meeting Chairman
4. Review and approval of agenda Working Group
5. Review and approval of minutes of last meeting Working Group
6. Scope of work: Review content for 1.1 through 1.4 Working Group
7. Normative references: Review content of section 2 Working Group
8. Definitions: Review content of section 3 Working Group
9. Precautions: Review content of section 4 Working Group
10. Review remaining sections as time allows Working Group
11. Old business Working Group
12. New business Working Group
13. Determination of next meeting date and location Working Group
14. Meeting adjournment Chairman
FALL MEETING AGENDA

API Committee of Liquid Measurement
API COPM MPMS Chapter 6.2A Truck and Rail Loading/Unloading Measurement
System Design

Location
Hyatt Regency – Garden Grove, CA
October 17, 2016
10:00 to 12:00

M. Dudley / T. Coffman

1. Opening and introductions M. Dudley
2. Appointment of minutes writer (if no permanent Secretary) T. Coffman
3. Review and approval of the agenda Co-Chairs
4. Review and approval of minutes from last meeting Co-Chairs
5. Report of Document Status Co-Chairs
   • Ballot Resolution
   • Discuss Path Towards Document Completion
   • Discuss Trouble Topics/Concerns
   • Discuss Proposed Scope Revision
6. Old business Co-Chairs
7. New business Co-Chairs
8. Date of next meeting Co-Chairs
   • Next Meeting of Working Group – 22MAR17, InterContinental, Addison, TX
9. Adjournment Co-Chairs
Meeting Agenda  
Committee of Petroleum Measurement (COPM)  
API COMQ Chapter 10.10  
October 17, 2016  
Garden Grove, CA

1. Opening and introductions  
   Chair
2. Appointment of minutes writer (if no permanent Secretary)  
   Chair
3. Review and approval of the agenda  
   Chair
4. Review and approval of minutes from last meeting  
   Chair
5. Officer changes  
   Chair
6. Status of projects  
   Chair
7. Old business  
   Chair
8. New business  
   Chair
9. Date of next meeting  
   Chair
10. Adjournment  
    Chair
AGENDA

Committee on Gas Fluids Measurement
Testing Protocol for Flow Computers Chapter 22.5

The House of the Mouse

October 17th 2016
10:00 AM

Casey Hodges, Chair

1. Opening and introductions                        Chair
2. Appointment of minutes writer (if no permanent Secretary) Chair
3. Review and approval of the agenda                Chair
4. Review and approval of minutes from last meeting Chair
5. Officer changes                                  Chair
6. Review of Ballot Results                         Chair
7. New business                                     Chair
8. Date of next meeting                             Chair
9. Adjournment                                      Chair
Agenda

API MPMS Chap. 11.3.4
Ethanol-Gasoline VCF TAG Meeting
Chairman, Dale Embry

Monday, October 17, 2016 10:45-12:00
Location: Hyatt Regency Orange County, Garden Grove, CA

1. Introductions
2. Sign-in sheet / Safety procedures
3. Review and approval of the agenda
4. Meeting assignments
5. Review/approval of previous minutes
6. Project status
7. Schedule
8. Discussion
9. New business
10. Assignments
11. Next meeting
12. Draft minutes
13. Adjourn
Meeting Agenda
API Chapter 8.4/ASTM D5842 Handling Fuels for Volatility Measurement

SECTION CHAIRMAN: Bobby Moore

Date: October 17, 2016 Time: 1:00 – 2:30pm

Place: Garden Grove, CA

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 Dallas Spring Meeting Minutes WG
5. Roster Review WG
7. Old business All
8. New business All
9. Next Meeting - API COPM Spring 2017 Dallas B. Moore
10. Meeting Adjournment B. Moore
AGENDA

API COGFM AD HOC WORKING GROUP ON TYPE TESTING PROTOCOLS

Hyatt Regency Orange County, Garden Grove, California
Monday, October 17, 2016, 1:00 – 2:30

1. Welcome and introductions
   Darin George

2. Appointment of scribe
   Working Group

3. Review and approval of agenda
   Working Group

4. Review and approval of March 2016 minutes
   Working Group

5. Review of comments on draft documents
   Darin George
   - SR3 for new Chapter 22.1 addendum
   - Outline of new addendum

6. Approval of SR3 for submission to COGFM
   Working Group

7. Submission of outline to Chapter 22.1 Working Group
   Working Group

8. Other business
   Working Group

9. Dissolution of Ad Hoc Working Group / Adjournment
Reconciliation of Liquid Tank Car Quantities
API 23.2

2016 Fall COPM Standards Meeting
Hyatt Regency Orange County, Garden Grove, California

Chairman: Paul Genre

Time: 1pm – 3pm
Date: Monday October 17th, 2016

1. Welcome (PG)
2. Introductions (ALL)
3. Antitrust Guidelines (PG)
4. Appoint Scribe (PG)
5. Review of Standards Resource & Research Request (SR3) (PG)
6. Developing Standard Discussion (ALL)
7. Adhoc volunteers to draft outline/section descriptions (ALL)
8. Other business (ALL)
9. Adjourn
AGENDA

API MPMS 21.2
Working Group
Hyatt Regency Orange Country

2016-Oct-17
13:00 – 15:00 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 meeting Fallwell
5. Working Group Roster Review Fallwell
6. Old business Fallwell
   • 2016-Aug-15 21.2 Ballot Reaffirmation comments
7. New business Fallwell
   • SR3 Review for new 21.2 Scope
   • Approach for writing group.
8. Date of next meeting – 2017-Mar13 to 17 in Dallas Fallwell
9. Adjournment Fallwell
AGENDA - American Petroleum Institute (API)

Ad-Hoc COMA Ad-Hoc Groups on New Standards

Location Hyatt Regency Orange County - Garden Grove, California

Monday, October 17th, 2016

1:00 PM – 3:00 PM (Local Time)

1. Welcome Chairman

2. Roll Call and Introductions Chairman

3. Appointment of scribe for this meeting Chairman

4. Review and approval of agenda Group

5. Discussion of relevant items Group

6. Action items and assignments AH Group

7. Old business AH Group

8. New business AH Group

9. Any other business

10. Next meeting date and location Chairman

11. Meeting adjournment Chairman
AGENDA
American Petroleum Institute (API)
COPM 2016 Fall MEETING
COMET - Chapter 1
Terms and Definitions Working Group
Hyatt Regency
Garden Grove, California
Monday, October 17, 2016
1:00 pm – 3:00 pm

1. Welcome and Call to Order Chairman
2. Appointment of volunteer scribe for this meeting Chairman
3. Roll call and Introduction of visitors Chairman
4. Review and approval of agenda Working Group
5. Review and approval of minutes of last meeting Working Group
6. Update on current progress of the Terms & Definitions process Sally Goodson
7. Update on any future expectations from API Sally Goodson
8. Update on the Terms and Definitions database itself Jennifer Jones
9. Update on experience with Terms and Definitions process Working Group
10. Question and Answer Session Working Group
11. Assignment of any task group(s) on an ad-hoc/as-needed basis Chairman
12. Discussion about creating good definitions Chairman
13. Old business Working Group
14. New business Working Group
15. Determination of next meeting date and location Working Group
16. Meeting adjournment Chairman
1. Opening and introductions
2. Appointment of minutes writer (if no permanent Secretary)
3. Review and approval of the agenda
4. Review and approval of minutes from last meeting
5. Officer changes
6. Status of projects
7. Old business
8. New business
9. Date of next meeting
10. Adjournment
Meeting Agenda
Committee of Petroleum Measurement (COPM)

API COMQ Chapter 7.1

October 17, 2016
1:00 pm – 3:00 pm

Garden Grove, CA

1. Opening and introductions  
2. Appointment of minutes writer (if no permanent Secretary)  
3. Review and approval of the agenda  
4. Review and approval of minutes from last meeting  
5. Officer changes  
6. Status of projects  
7. Old business  
8. New business  
9. Date of next meeting  
10. Adjournment
## AGENDA

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

**Hyatt Regency – Garden Grove, CA**  
**Monday, October 17th, 1:00 PM - 4:00 PM**  
**Arun Kurian — WG Chairman**

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<td>A. Kurian</td>
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<td>Review of Spring 2016 Minutes</td>
<td>A. Kurian</td>
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<td>Appointment of Scribe</td>
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<td>4</td>
<td>Antitrust Guidelines</td>
<td>P. Watkins/ A. Kurian</td>
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<td>5</td>
<td>Review and Approval of the Agenda</td>
<td>A. Kurian</td>
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<td>General Update on Progress of Standard</td>
<td>A. Kurian</td>
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<td>7</td>
<td>Review of Reaffirmation Ballot Comments</td>
<td>A. Kurian</td>
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<td>8</td>
<td>Drafting Group 2 Update</td>
<td>R. Gebbia</td>
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<td>Drafting Group 3 Update</td>
<td>B. Wallace</td>
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<td>10</td>
<td>Review of WG Ballot Comments</td>
<td>Group</td>
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<td>11</td>
<td>Break (2:30-3:00 pm)</td>
<td>A. Kurian</td>
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<td>12</td>
<td>Review of WG Ballot Comments</td>
<td>Group</td>
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<td>Next Steps</td>
<td>A. Kurian</td>
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<td>14</td>
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<td>15</td>
<td>Next Meetings – March 13 to 17, 2017 in Dallas, TX</td>
<td>A. Kurian</td>
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<td>Adjournment</td>
<td>A. Kurian</td>
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AGENDA - API

Ch. 7.2 Temperature Determination, Portable Electronic Thermometers

October 17, 2016
3:00 pm – 5:00 pm

Anne Brackett

1. OPENING 
2. APPOINTMENT OF MINUTES WRITER (if no permanent Secretary) 
3. REVIEW AND APPROVAL OF THE AGENDA 
4. BACKGROUND/STATUS OF CH 7.2 
5. WALK THROUGH COMMENT LOG OF CH 7.2 DRAFT 
6. OLD BUSINESS 
7. NEW BUSINESS 
8. ADJOURNMENT
Meeting Agenda
Committee on Measurement Quality (COMQ)
API MPMS Chapter 18.2
Custody Transfer of Crude Oil from Lease Tanks Using Alternative Measurement Methods
Monday, October 17, 2016
3:00-5:00pm

Location: Garden Grove, Ca

1. Introductions
   Group
2. Who will write the minutes
   Mark Vandiver
3. Review of Meeting Agenda
   Mark Vandiver
4. Review of Meeting Minutes - Spring 2016 meeting
   Mark Vandiver
   Mark Vandiver/Sally Goodson
6. Open Floor – Discussion on outstanding items
   Mark Vandiver/Bill Schmidt
7. Next Steps
   Mark Vandiver/Sally Goodson
8. Adjourn
COMQ Chapter 11 Task Group
Physical Properties
Spring 2016 Agenda
API/ASTM D02 Joint Meeting
Hyatt Regency Orange County
Garden Grove, California
3:00pm-5:00pm Monday, October 17, 2016

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
   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
      Chapter 11.2.2 - 1984(03) (Compress. Factors for Hydrocarbons: 0.350-0.637 Rel Den. & -50ºF to 140ºF)
      Chapter 11.2.2M - 1986(02) (Compress. Factors for Hydrocarbons: 350-637 kg/m³ (15ºC) & -46ºC to 60ºC)
      Chapter 11.2.2A - 1984 (Addendum to Correlation of Vapor Pressure Correction for NGL)
      Chapter 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 work item (Keith Fry)
      Chapter 11.2.5 – 2006 / GPA TP-15 (A Simplified Vapor Pressure Correlation for Commercial NGL’s)
   C. Chapt 11.3 – Misc. Hydrocarbon Products
      Chapter 11.3.2.1 – 1974(02) (Ethylene Density)
      Status of implementation procedure draft
      Chapter 11.3.3.2 – 1974 (Propylene Compressibility)
      Status of work item development
      Chapter 11.3.3 – Ethanol VCF Tables (in progress)
      Proposal for expansion to include compressibility
      Chapter 11.3.4 – Gasohol VCF Tables (in progress)
      Status of development
      ASTM D1550 (Butadiene)
      Status of ballot
      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)
      Status of ballot.
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)

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 (possible locations)
    2017 Spring Committee on Petroleum Measurement Standards Meeting
    March 13-17 – Intercontinental Dallas, Addison, Texas

11. Adjournment
Meeting Agenda  
Committee of Petroleum Measurement (COPM)  
Committee on Measurement Education and Training (COMET)  
Spanish Translation Working Group  
17th October 2016  

**Location:**  
Hyatt Regency Orange County, Garden Grove, California  

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<td>2. Decide who will write the minutes (if the group does not have a permanent secretary)</td>
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<td>3. Review of agenda</td>
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<td>6. New Business</td>
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<td>7. Presentation of updated work list</td>
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<td>8. Translations completed in period from Spring Meeting</td>
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<td>10. Next standards to translate</td>
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Meeting Agenda

American Petroleum Institute
COMMITTEE ON MEASUREMENT ACCOUNTABILITY (COMA)
Chapter 17.2, Measurement of Cargoes On Board Tank Vessels
Hyatt Regency Orange County
Garden Grove, CA

Time: 3:00 pm – 5:00 pm
Day: Monday October 17, 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. DISCUSS PATH FORWARD Group
6. NEW BUSINESS Rick Slaughter
7. ADJOURMENT Rick Slaughter
Tuesday

MISSING AGENDAS

- 1-3pm DRA Influence on Turbine Metering Ad Hoc Committee

October 18, 2016
AGENDA

API Committee on Production Measurement & Allocation (CPMA)
Chapter 20.2

Production Allocation Measurement Using Single Phase Devices
Working Group

Tuesday, October 18, 8:30 AM - 9:00 AM

Chad Simonton – WG Chairman

1. Opening remarks/introductions
2. Review of Working Group roster
3. Update on Document Status
4. Discuss areas that supersede the existing Chapter 20.1
5. Next meeting(s)
6. Adjournment
AGENDA
American Petroleum Institute (API)
2016 Fall COPM – October 18, 2016 08:30

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

1) Attendees (Roll Call)
2) Assign who will take minutes
3) Review of Minutes from March 2016 Meeting in Dallas
4) Updates on direction of standard
5) SRRR discussion
6) New Assignments
7) Next working meeting–API COPM meeting in Garden Grove, Wednesday October 19 @ 10:30am.
8) Next general Meeting–API COPM meeting in Dallas March 2017.
Agenda

API COPM

Committee on Measurement Quality

Chapter 7.4 (Dynamic Temperature Measurement)

Hyatt Regency Hotel

Garden Grove, California

Time: 8:30am-10:30am

Day/Date: Tuesday October 18, 2016

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  Hyatt Regency Hotel
Tuesday, October 18th, 2016  Garden Grove, CA

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 BALLOT COMMENTS, NEGATIVE BALLOTS 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/New Standards
Tuesday, 18 October 2016
9:00 am – 11:30 am
Hyatt Regency Orange County, Garden Grove, California

1. Opening remarks  Courtney
2. Adoption of the agenda  Courtney
3. Membership requests  Courtney
4. Approval of the minutes of prior meeting (n/a)  All
5. CPMA Ad-Hoc group goals/expectations  Courtney/Watkins
6. Emerging Issues  All
7. New Standards  All
8. Date of next meeting  Courtney
9. Adjournment
Agenda
American Petroleum Institute
Committee on Liquid Measurement
Chapter 3 Task Group Meeting - Tank Gauging
Hyatt
Garden Grove, California
October 18, 2016
10:00 am – 12:00 pm
Jeff Carty / Miles Chaney Co-Chairs

1. Opening remarks / introductions J. Carty / M. Chaney
3. Appointment of volunteer scribe for this meeting J. Carty / M. Chaney
4. Review and Approval of Agenda J. Carty / M. Chaney
5. Reports on Status of Documents
   3.1B Level Measurement of Liquid Hydrocarbons In stationary tanks by Automatic Tank Gauging (2016)- Ad HOC Group Christian Skaug / Hilary Gleitz
   3.2 Gauging Petroleum and Petroleum Products in Tank Cars (2018) Open
   3.3 Level Measurement of Liquid Hydrocarbons in Stationary Pressurized Storage Tanks by Automatic Tank Gauging (2016) B. Bucco
6. 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?
7. New Business
8. Next Meeting – Mar. 13 -17, 2017 Dallas, Texas
9. Adjournment
Agenda

COMA Chapter 17.10 Working Group
Measurement of Refrigerated and Pressurized Cargoes
on Marine Tank Vessels

October 18, 2016
Hyatt Regency Orange County
Garden Grove, California
1000 – 1200

Bruce W. Abugel – Chairman
Don L. Sextro – Vice-Chair

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 New Related Groups
7. Discussions of Possible Additions to 17.10.1 re Measurement of Bunkers
8. Status of WG Relation with ISO
9. Any Other Business
10. Date / Place of Next Meeting
11. Adjournment
AGENDA

American Petroleum Institute (API)

Fall Meeting 2016

COLM – Chapter 4.9.1 Drafting Group

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

Hyatt Regency
Garden Grove, California

Tuesday, October 18, 2016
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 for this meeting Chairman
4. Review and approval of agenda Drafting Group
5. Review and approval of minutes of last meeting Drafting Group
6. Review of pending assignments Drafting Group
7. Review and update of the current draft Drafting Group
8. Recap of new action items and assignments Drafting Group
9. Old business Drafting Group
10. New business Drafting Group
11. Determination of next meeting date and location Drafting Group
12. Meeting adjournment Chairman
Meeting Agenda
API Chapter 8 Sampling TAG

SECTION CHAIRMAN: Bobby Moore

Date: October 18, 2016  Time: 10:30 – 12:00pm

Place: Garden Grove, CA

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 Dallas Spring Meeting Minutes  WG
5. Roster Review  Staff
6. Status Update ASTM D5854 / API MPMS 8.3 Reaffirmed March 2015 (Mixing and Handling)  G. Clark
7. Status Update ASTM D5842 / API MPMS 8.4 (Handling Fuels for Volatility Measurement)  B. Moore
8. Old business  All
9. Meeting Adjournment  B. Moore
AGENDA for COMMITTEE ON Technical Report 2571
Fuel Gas Measurement – Simplified Flow Measurement and System Uncertainty
Fall Meeting, Tuesday, October 18, 2016: Garden Grove, CA
10:30 AM – 12:30 PM

Stormy Phillips, Chair

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<td>5.</td>
<td>New Developments – Progress SharePoint Site</td>
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<td>6.</td>
<td>Seek Section Leaders for Document Review and Update</td>
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<td>Discussion</td>
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<td>Next API Meetings</td>
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<td>Adjourned</td>
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NOTE: On-site photocopying is expensive. Those members who choose to bring documents to the meeting for review should arrange for copying at their own expense, unless an exception is granted by staff.
Meeting Agenda (Fall 2016)

API MPMS 6.1A

Tuesday October 18, 2016
1:00 pm – 2:30 pm

Liquid Flow Measurement Systems for Single Phase Liquids – General Considerations

(1) Roll Call
(2) Minutes
(3) Update
   a. Document sent to working group and negative voters for comment
(4) Discuss Path forward
   a. 6.1A will be sent for re-ballot when 6.2A and 6.3A are ready for COLM ballot.
   b. 6.1A will sit in a queue until 6.2A and 6.3A are resolved.
   c. Need to make sure that negative voters are cleared before the re-ballot.
(5) Discuss ballot comment 343 on density
(6) Show the list of potentially contentious “Shall’s” in document (list included in 24 Aug. 16 meeting minutes)
(7) Adjourn
AMERICAN PETROLEUM INSTITUTE

CHAPTER 13

Statistical Aspects of Measurement and Sampling

2016 Fall Meeting Agenda
Tuesday, October 18, 1:00 – 2:30 pm,
Garden Grove, CA
Chair: Mark Desinger, Alyeska Pipeline Service Company

============================================

I. Welcoming remarks (Chair)
II. Review and approval of the agenda (Chair)
III. Review and approval of the minutes (Chair)
IV. Review the current plan for Chapter 13:
   a. Revise 13.3 to include terms and concepts in current 13.1 that appear nowhere else in COLM standards
   c. Revise current 13.2
V. Statuses:
   a. 13.3: Review WG comments on WG ballot
   b. 13.2: Review draft revision
VI. Adjournment (Chair)
AGENDA – API
COMQ CHAPTER 7 WORKING GROUP
Temperature determination
TEMPERATURE DETERMINATION
October 18, 2016
Hyatt Regency, Garden Grove, California

ANNE BRACKETT, Chairman

1. OPENING & INTRODUCTIONS 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 Phase II 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. 7.4 Dynamic Temperature Measurement Todd Phillips
6. DECISION ON NEXT WORKING GROUP MEETINGS Anne Brackett
7. ADJOURNMENT
Agenda

American Petroleum Institute

Chapter 5 Ad Hoc Flow Conditioning Meeting

1300-1500 COPM Fall 2016 Meeting
Tuesday, 18 OCT16 Hyatt Regency – Garden Grove, CA

Morg Bruck, Chair

1. Welcome and Introductions (closed meeting)

2. Request for volunteer to record minutes

3. Review and Approve Agenda

4. Review and Approve Minutes of Spring 2016 Meeting

5. Review the following the Technical Report

6. Schedule for Future Meetings
   a. Continue work on the Technical Report, location and date TBD
   b. Next COLM meeting – 21MAR17, InterContinental, Addison, TX

7. Adjournment
Meeting Agenda
Committee of Petroleum Measurement (COPM)
COMA Chapter 17.3
October 18, 2016 3-5pm
Garden Grove, CA

1. Opening and introductions Chair
2. Appointment of minutes writer (if no permanent Secretary) Chair
3. Review and approval of the agenda Chair
4. Review and approval of minutes from last meeting Chair
5. Officer changes Chair
6. Status of projects Chair
7. Old business Chair
8. New business Chair
9. Date of next meeting Chair
10. Adjournment Chair
Meeting Agenda  
Committee of Petroleum Measurement (COPM)  
COMQ AD-HOC Group on New Standards  
October 18, 2016 3-5pm  
Garden Grove, CA

1. Opening and introductions Chair  
2. Appointment of minutes writer (if no permanent Secretary) Chair  
3. Review and approval of the agenda Chair  
4. Review and approval of minutes from last meeting Chair  
5. Officer changes Chair  
6. Status of projects Chair  
7. Old business Chair  
8. New business Chair  
9. Date of next meeting Chair  
10. Adjournment Chair
Agenda

American Petroleum Institute
Chapter 14.3 Working Group

1:00 PM – 4:00PM
Tuesday
October 18, 2016

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 – Results from Document Recirculation and Update on Revision    M Abens

9. Other Business    Group

10. Next Meeting    Group

11. Adjournment    D Sextro
Agenda

American Petroleum Institute
COMMITTEE ON MEASUREMENT EDUCATION & TRAINING

1:30 pm – 4:00 pm  Hyatt Regency Orange
County
Tuesday, October 18, 2016  Garden Grove, California

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

1. Opening
2. Review and approval of agenda
3. Review and approval of Spring 2016 meeting minutes
4. Feedback on the breakfast and training sessions
   a. General Session – “API Standards Procedures Update” Paula Watkins & Bill Schmidt
   b. General Session – “California Greenhouse Gas Emission Standards For Crude Oil and Natural Gas Facilities”, Joseph Fischer, Air Resource Engineer, California Air Resources Board
5. COPM Orientation Work Group Meeting, Ari Camin, Rebecca Owston, & Michael Zook
   a. New Member Orientation,
6. Chapter 1 Revision Updates, Dan Comstock, Sally Goodson, and Marcelo Remotti
7. Spanish Translation Work Group, Roger Burnison
8. COMET seminar topics for Spring 2017 COPM meeting
9. Invitation to new members
10. Adjournment
Agenda

American Petroleum Institute

Chapter 5 – Metering Meeting

1500-1700 COPM Fall 2016 Meeting
Tuesday, 18OCT16 Hyatt Regency – Garden Grove, CA

Morg Bruck, Chair
Open, Vice Chair

1. Welcome and Introductions (open to all attendees)

2. Request for volunteer to record minutes

3. Review and Approve Agenda

4. Review and Approve Minutes of Spring 2016 Meeting

5. Chapter 5 Working Group Reports
   a. Sections 5.1 through 5.5 Bruck/Jones
   b. Section 5.6 Steve Whitman
   c. Section 5.8 Bruck/Jones

6. Status of reaffirmations and ballots – if any Jennifer Jones

7. New business (Zaki gave status of TR 5.9) Bruck/Jones

8. Review of Items to be discussed at the COLM meeting Jennifer Jones

9. Review of any action items Morg Bruck

10. Next Meeting – 21OCT16, InterContinental – Addison, TX

11. Adjourn All
Agenda
API CPMA:
Committee on Production Measurement & Allocation
Tuesday, 18 October 2016
3:00 pm – 5:00 pm
Hyatt Regency Orange County, Garden Grove, California

1. Opening remarks/introductions  Courtney
2. Antitrust reminder  Watkins
3. Roll call/membership report  Watkins
   3.1. Determination of quorum  Watkins
4. Adoption of the agenda  Courtney
5. Approval of the minutes of prior meeting (March, 2016)  Courtney
6. Work Group Presentations
   6.1. Ch. 20.1 Production Measurement & Allocation  Kurian
   6.2. Ch. 20.2 Production Allocation Measurement Using Single Phase Devices  Simonton
   6.3. Ch. 20.3 Multiphase Metering  Chaçon
   6.4. [Ch. 20.4] Draft Standard Phase Behavior Application  Zimmerman
   6.5. Ch. 20.5 Well Rate Determination  Cutting
7. Report on Ad Hoc Group meeting  Courtney
8. BSEE Report  Johnson
9. BLM Report  McLaren
10. New Work Proposals/Funding requests: SR3  Courtney
11. Other Business  Courtney
12. Date of next meeting  Courtney
13. Adjournment  Courtney
Meeting Agenda
American Petroleum Institute

SUB-COMMITTEE ON MEASUREMENT ACCOUNTABILITY (COMA)

07:30am – 9:30am
Hyatt Regency Orange County
Wednesday, October 19, 2016
Garden Grove, CA

Juri Koern, Chairman
John Ianni, Vice Chairman

1. Opening, Welcome and appointment of a scribe
2. Roll Call
3. Review and Approval of Agenda
4. Review and Approval of Spring 2016 meeting minutes
5. Review and Update of COMA Activities

A. Standards Published since the March 2016 meeting.
   i. Chapter 17.4 (2nd edition) – Method for Quantification of Small Volumes on Marine Vessels (OBQ/ROB) – Published October 2016
   ii. Chapter 17.8 (2nd edition) – Guidelines for Pre-Loading Inspection of Marine Vessel Cargo Tanks – Published August 2016
   iii. Chapter 17.10.2 (2nd edition) – Measurement of Refrigerated and/or Pressurized Cargoes on Board Marine Gas Carriers, Part 2: Liquefied petroleum and chemical gases – Published March 2016
   iv. Chapter 17.11, EI HM 52 (2nd edition) – Measurement and Sampling of Cargoes on Board Tank Vessels Using Closed/Restricted Equipment – Published August 2016
   v. Chapter 23.1 (1st edition) – Reconciliation of Liquid Pipeline Quantities – Published June 2016

A. Status of Standards Due
   ii. Chapter 17.5, EI HM 64 (3rd edition) – Guidelines for Voyage Analysis and Reconciliation of Cargo Quantities – Due April 2017
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)


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


v. Chapter 23.2 (1st edition) – Reconciliation of liquid tank car(s) quantities – New Standard

6. COMA Ad – Hoc Meeting

7. Liaison Reports
   
   A. COMET – Chapter 1 Terms and Definitions
   
   B. LEAP Update
   
   C. API/EI Liaison Report
   
   D. IFIA Reports

8. Other Business

9. Next Meeting (Week of March 13-17, 2017) – InterContinental Dallas, Addison, TX

10. Adjournment
AGENDA - API

Ch. 3.1B Ad Hoc Group

Oct 19th 2016
08.00-10.00 am

1. OPENING
2. APPOINTMENT OF MINUTES WRITER (if no permanent Secretary)
3. REVIEW AND APPROVAL OF THE AGENDA
4. DISCUSSION 3.1B IN RELATION TO CH 18.2
5. OLD BUSINESS
6. NEW BUSINESS
7. ADJOURNMENT
Committee on Liquid Measurement

Chapter 6

METERING SYSTEMS WORKING GROUP

Hyatt Regency – Garden Grove, CA

October 19, 2016

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 14MAR16
   P. Kosewicz

5. Report on Status of Documents
   a. Drafting Group for Chapter 6.1A – General Considerations
      i. Report on meeting of Drafting Group Chairs
      ii. Review any negative ballot comment resolution
      P. Ross/P. Chacon
   b. Drafting Group for Chapter 6.2A – Truck/Rail
      i. Review and approval to revision of Scope
      M. Dudley/T. Coffman
   c. Drafting Group for Chapter 6.3A – Pipeline/Marine
      i. Review and approval of revision of Scope
      L. James/T. Phillips

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 – 22MAR17, InterContinental, Addison, TX

10. Adjournment
AGENDA

API Committee on Petroleum Measurement
COLM Chapter 4.2 Displacement Provers WG
Garden Grove, CA

October 19, 2016
8:30am – 10:00 am

Nick Thurlby, Chair

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Agenda

American Petroleum Institute

Chapter 14.10 WG

Hyatt Regency Orange County – Garden Grove, CA

Wednesday October 19, 2016, 10:00 am – 12:00 pm

Chair, Eric Estrada
Vice-Chair, Zaki Husain

1. Opening and Welcome
2. Introductions and sign-in sheet
3. Review and approval of agenda
4. Review and Approve Spring 2016 Minutes
5. API MPMS Chapter 14.10
   a. Review document in completely revised state – This will be the final review before Sub Committee Ballot
   b. Develop SRRR to continue work due to 3 year limit
6. New Business
7. Old Business
8. Adjourn
AGENDA

API COMQ / ASTM D02.02 STATIC MEASUREMENT

Wednesday, October 19, 2016
Garden Grove, CA
10:00am to 12:00am

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

1. OPENING K. Nelson

2. MEMBERSHIP AND ROLL CALL S. Goodson
   a. Proxies
   b. Roll Call
   c. Membership

3. REVIEW AND APPROVAL OF THE AGENDA K. Nelson

4. REVIEW AND APPROVAL OF SPRING 2016 MEETING MINUTES K. Nelson

5. INFORMATION ITEMS S. Goodson
   a. Status of Standards
   b. Status of Ballots
   c. Officer Changes

6. WORKING GROUP REPORTS
   a. MIGTF T. Patrick
   b. Chapter 7 – Temperature Determination A. Walker-Brackett
   c. Chapter 8 – Sampling B. Moore
   d. Chapter 9 – Density Determination P. Kosewicz
   e. Chapter 10 – Sediment and Water M. Osicki
f. Chapter 11 – Physical Properties Data D. Embry

g. Chapter 15 – Guidelines for the Use of SI Units B. Schmidt

h. Chapter 18 – Crude Oil Gathering from Lease Tanks D. Weidig, M. Vandiver

i. Ad-Hoc Group on New Standards K. Nelson

7. Chapter 1 Terms and Definitions D. Comstock

8. Old Business K. Nelson


10. Next meeting K. Nelson

The next COMQ/ASTM D02.02 meeting is scheduled to take place the December 8, 2016 at ASTM D2 meeting in Orlando Fla.

11. Adjournment K. Nelson
AGENDA
American Petroleum Institute (API)
2016 Fall COPM – October 19, 2016 10:30 – 4:30 am

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

1. Attendees (Roll Call)
2. Assign who will take minutes
3. Review of Minutes from previous meeting
4. Updates on direction of standard
5. Review of Document
6. New Assignments
Meeting Agenda
CELE Meeting, Fall 2016
Garden Grove, CA
Wednesday, October 19, 2016 – 1:00 PM–5:00 PM
Thursday, October 20, 2016 – 8:00 AM–12:00 PM

1. Introductions and Opening remarks from the members – All present
2. Membership/Roll Call to determine quorum – S. Goodson
3. Review of Agenda, Amendments to the Agenda from the floor – Chair
4. Approval of previous meeting minutes (March 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 PP1 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. New TR 2576 on short term emissions - Published July 2016
   5.3. Ch. 19.1, 5th edition and Ch. 19.4, Annex I – Status of Publication – S. Goodson
   5.4. Ch. 19.3 Part H, Tank Seals and Fittings Certification – revision (incorporating Parts F and G as appropriate), Review of Status of the document – N. Strid
   5.5. Ch. 19.4, Evaporative Loss Reference Information and Speciation Methodology, Phase I status update – Y. Yang
   5.6. TR 2574, Field Testing Protocol for Characterization of Total Gaseous Nonmethane Organics (TGNMO), Methane, and Ethane in Air-Vapor Mixture During Filling of a Cargo Vessel with Crude Oil, 1st edition – Published August 2016.
   5.7. PTAC UG and Horizontal Tank Emissions: Convective Evaporation Losses Study – S. Goodson
6. EPA Report – M. Ciolek
7. CARB Report – J. Fischer
8. TCEQ Report – T. Hurley
10. Ch. 19.4, Annex G – Background and Development – R. Ferry
11. Potential new projects
   11.1. SR3s/funding requests
12. Review of Priority Item List - Group
13. Discussion of New Business Items: Brief update, member input and resolution/go forward plan for pending issues
14. Action item review and schedule for next two conference calls before the Spring 2017 meeting (March 13-17, 2017, Addison, TX) – S. Goodson
15. Wrap-Up and Adjournment – Chair
Meeting Agenda
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Garden Grove, CA
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<td>Jennifer Merkins</td>
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<td>Roll call/Quorum determination</td>
<td>Jennifer Jones</td>
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<td>3</td>
<td>Review and Approval of the Agenda (Changes)</td>
<td>Jennifer Merkins</td>
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<td>Review and Approval of minutes of 2016 Spring Meeting</td>
<td>Jennifer Merkins</td>
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<td>5</td>
<td>Chapter 14.1: Collection and Handling of Natural Gas Samples for Custody Transfer</td>
<td>Ron Carnahan</td>
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<td>Chapter 14.2: Compressibility Factor of Natural Gas &amp; other Related HC Gases (AGA No. 8)</td>
<td>See AGA Report</td>
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<td>Chapter 14.3: Concentric, Square-Edged Orifice Meters</td>
<td>Don Sextro, Jane Williams, Don Sextro, Mary Abens</td>
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<td>8</td>
<td>Chapter 14.4: Converting Mass of NGL and Vapor to Equivalent Liquid Volumes. (GPA 8173)</td>
<td>Don Sextro</td>
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<td>Chapter 14.5: Calculation of Gross Heating Value, Specific Gravity, and Compressibility of Natural Gas Mixtures from Compositional Analysis (GPA 2172)</td>
<td>Don Sextro</td>
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<td>10</td>
<td>Chapter 14.6: Continuous Density Measurement (9.4)</td>
<td>Peter Kosewicz</td>
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<td>Chapter 14.7: Mass Measurement of Natural Gas Liquids (GPA 8182)</td>
<td>Eric Estrada</td>
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<td>Chapter 14.8: Liquefied Petroleum Gas Measurement</td>
<td>Ken Wilson</td>
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<td>Chapter 14.10: Measurement of Flow to Flare</td>
<td>Eric Estrada</td>
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<td>Chapter 22.1: Testing Protocol – Introduction</td>
<td>Darin George, Richard Estabrook, Eric Estrada, Casey Hodges</td>
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<td>Chapter 22.2: Testing Protocol – Differential Pressure Devices</td>
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<td>Chapter 22.3: Flare Gas Meter Testing Protocol</td>
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<td>Chapter 22.4: Testing Protocol – Pressure, DP, &amp; Temperature Measuring Devices</td>
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<td>Chapter 22.6: Gas Chromatograph Testing Protocol</td>
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<td>TR2571: Fuel Gas Measurement</td>
<td>Stormy Phillips</td>
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<td>22</td>
<td>Updates from Other Organizations</td>
<td>Ali Quraishi, Byron Johnson, Rich Estabrook, Martin Erne</td>
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<td>Next Meeting /Adjournment</td>
<td>Dallas, TX, March 16, 2017</td>
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Agenda
Committee on Liquid Measurement Meeting
Thursday, October 20, 2016 1:00 PM
Garden Grove, California
Chair: Buster Philley

1. Opening, Welcome and Introductions      Buster Philley
2. Roll Call /Quorum Determination/Appointment of Scribe    Jennifer Jones
3. Review & Approval of Agenda                Committee
4. Review & Approval of the Spring 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/Miles Chaney
   C. Chapter 4; Proving Systems      Galen Cotton
   D. Chapter 5; Metering
      D.1 Chapter 5.6              Steve Whitman
      D.2 Chapter 5.9 (TR25XX)    Javier Lopera
   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. Chapter 22; Testing Protocols    Jennifer Jones
      J.1 Chapter 22.1            Darin George
   K. DRA Ad Hoc                   Joe Rasmussen
7. New & Other Business                    Committee
   New SRRR Etc. as required
8. Next Meeting – March 13 - 17, 2017, Dallas, TX
9. Chairman’s Closing Remarks/Adjournment   Buster Philley
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 2016 and proposed 2017 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 & MARCH 18 AND MAY 13, 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 B. Philley

6.5 COMA J. Koern

6.6 CELE S. Ananthakrishna
6.7 CPMA  
D. Courtney

7. NEW WORK ITEMS/SR$^3$ Forms  
B. Schmidt

8. RECOMMENDATIONS FROM COMMITTEE REPORTS  
B. Schmidt

9. OTHER BUSINESS  
B. Schmidt

9.1 Regulatory Issues  
P. Watkins

9.2 Midstream Interest Category  
J. Lopez & W. Schmidt

10. ACTION ITEM REVIEW  
D. Miller

11. NEXT MEETING  
D. Miller

12. ADJOURNMENT  
B. Schmidt

Reviewed by API OGC