1. Opening remarks/introductions
Chairman Webb opened the meeting and welcomed everyone. See the sign-in sheet for attendance.

2. Roll call/membership report
   2.1. Determination of quorum
       15 of 28 voting members were present. Quorum achieved.
   2.2. Membership report
       Sam Griffith (ENI) approved as a new (voting) member. CPMA currently has 28 voters, 23 non-voters, and 8 liaison members, 2 ex-officio and 1 staff giving a total membership of 62.

3. Adoption of the agenda
   It was moved, seconded and passed (MSP’d) to approve the agenda with the deletion of the item on Ch. 6.

4. Approval of the minutes of prior meeting
   It was MSP’d to approve the minutes of the meeting held on March 8, 2011 in Dallas.

5. Work Group Presentations
   5.1. Ch. 20.1 Overview
       Ch. 20.1-1993 was reaffirmed via letter ballot and has a September 2011 reaffirmation date.
       At the WG meeting, sampling in the production arena was discussed. The WG was unsure whether it will fit in the Ch. 20.1 work area or whether to recommend it is covered in another Ch. 20 standard.
       The WG has developed a marked up/color-coded version of Ch. 20.1-1993 with assignments of where material is thought to be migrating to within the new Ch. 20 series of documents. It will be reviewed by all Ch. 20 Chairs to determine if the assignments are correct, and also if the existing material is not covered by the new Ch. 20 documents.
       At the WG meeting in Savannah, the table of contents (TOC) and scope of the new Ch. 20.1 under development was reviewed. 2011 funds of $35K were relinquished by the WG as they were not ready to commit those funds during the year, and therefore they were reprogrammed to other Ch. 20 documents with the concurrence of the CPMA Chair. However, $35K has been requested for Ch. 20.1 for 2012.
       It was noted that the ballot draft of Ch. 20.3 contained over 50 definitions. A Ch. 20.1-Ch. 20.3 ad-hoc group (AHG) has been established to determine which definitions should remain in Ch. 20.3 and whether any modifications to the definitions are required. It has also been agreed for terms and definitions to remain in Ch. 20.3 until it can be determined whether they should be transferred to Ch. 20.1, or even duplicated in Ch. 20.1 so that eventually it includes all the terms and definitions for the Ch. 20 series.

   5.2. Ch. 20.2 Production Allocation Measurement Using Single Phase Devices
       The Ch. 20.2 scope was revised earlier in the year and the modified version approved by CPMA and subsequently COPM. Sampling is no longer covered in the scope. The new content specialist, James Gallagher, was introduced at the WG meeting in Savannah, and an updated TOC developed. As the same content specialist has been retained for Ch. 20.5, Ch. 20.2 will be given priority. It is hoped that a finalized draft of Ch. 20.2 will be ready to ballot within CPMA early next year.
5.3. Ch. 20.3 Multiphase Flow Measurement

A completed draft was reviewed by the WG earlier in the year and approximately 150 comments resolved. The subsequent final draft completed ballot within CPMA and 0 negative votes were submitted. 55 comments from the CPMA ballot were considered by the WG in Savannah. Inclusion/alignment of definitions will be resolved by an AHG established with the Ch. 20.1 WG. It is hoped the document will be progressed to publication before the end of the year.

The Foreword of the document will state that it supersedes RP 86, which is withdrawn, although RP 86 will subsequently still be available as a historical document. The Foreword of Ch. 20.3 will also include the specific sections of Ch. 20.1-1993 that Ch. 20.3 supersedes (see Ch. 20.1 WG report). An Addendum to Ch. 20.1-1993 will be issued on the publication of Ch. 20.3 stating which sections of Ch. 20.1-1993 have been superseded by Ch. 20.3.

5.4. Ch. 20.4 Phase Behavior Application

Selected sections of the draft have been rewritten. A completed re-write is expected to be available for WG review in the near future. It is hoped that a CPMA ballot will be initiated Q1 2012. The intention is for the document to be issued initially as an API draft standard (and therefore it initially will NOT have the designation Ch. 20.4 – this designation is simply a placeholder within the Ch. 20 series). A maximum of 3 years after issue of the draft standard it must be reviewed with options of withdrawal of the document, transformation into a full standard (via ballot) or continuation as a draft standard for a further 3 years. An API draft standard has a finite life (usually 6 years) before the only options are withdrawal of the draft standard or transformation into a full standard (via ballot).

5.5. Ch. 20.5 Well Rate Determination

James Gallagher has been confirmed as the content specialist for Ch. 20.5. As the same SME has been appointed for completion of Ch. 20.2, Ch. 20.2 will have priority.

Section leads have been appointed for different parts of the document, and these individuals will be the primary point of contact for the content specialist.

An updated outline for Ch. 20.5 was reviewed by the WG in Savannah. A web meeting will be held to finalize the TOC.

Virtual metering and nodal analysis was discussed at the WG meeting. Likely it will be mentioned in 20.5 but may not go into any depth on the subject.

It is hoped that a completed draft of Ch. 20.5 will be available for WG review by the Fall 2012.

5.6. Ch. 20.6 Allocation

The drafting group (DG) is preparing the final sections to complete the draft so that it can be made available to the entire WG for review. It is hoped to have the document ready for CPMA ballot before the next SC meeting.

6. New Work Proposals

A motion was proposed by Sam Griffith and seconded by Mark Davis to form an ad-hoc group to look into the viability of CPMA addressing virtual metering and nodal analysis in production allocation, and determine whether to recommend this subject should be actively pursued by CPMA with a view to developing a white paper (committee document not publically available), or publishing an API Technical Report (TR) or API standard.

After discussion the vote was 7 for, 1 against and 8 abstentions, and therefore the motion failed as there was not a majority of voting members in attendance at the meeting who supported the motion. Sam Griffith was invited to discuss the subject further with the CPMA Coordinating Committee to determine whether any further action should be taken.

Mark Davis proposed a motion, and Jane Williams seconded, to form an ad-hoc group to review sampling in the upstream environment, in order to make a recommendation to CPMA on whether the development of guidance on this subject should be pursued by API. After discussion, it was put to a vote and the motion passed (15 votes of approval). Del Major agreed to Chair the AHG and recruit members. It is hoped that the AHG will have a report available for CPMA at the March 2012 meeting.

7. BSEE Report

Troy Guidry reported. See Annex A attached.
8. ISO/TC 193/SC 3 Liaison Report
Paula Watkins reported. See Annex B attached.

9. EI HMC-1 Liaison Report
The EI document HM 96 *Guidelines for the allocation of fluid streams in oil and gas production operations*, has not yet been published.

10. Date of next meeting
The next CPMA meeting will take place on March 20, 2012, at the InterContinental Dallas, Addison, Texas.

11. Adjournment
The meeting adjourned at 5pm.

Reviewed by API Office of General Counsel
Effective October 1, 2011, the Bureau of Ocean Energy Management, Regulation, and Enforcement (BOEMRE) was split into two bureaus; the Bureau of Ocean Energy Management (BOEM) and the Bureau of Safety and Environmental Enforcement (BSEE). BOEM will be responsible for managing environmentally and economically responsible development of the nation’s offshore resources. Its functions will include offshore leasing, resource evaluation, review and administration of oil and gas exploration and development plans, renewable energy development, National Environmental Policy Act (NEPA) analysis and environmental studies. BSEE will be responsible for safety and environmental oversight of offshore oil and gas operations, including permitting and inspections of offshore oil and gas operations. Its functions include the development and enforcement of safety and environmental regulations, permitting offshore exploration, development and production, inspections, offshore regulatory programs, oil spill response and newly formed training and environmental compliance programs.

-A proposed rule addressing Natural Gas Sampling for Royalty and Allocation Measurement along with incorporating by reference API MPMS Chapter 14, Section 1 and GPA Standard 2261-00, into the regulations is under development. Due to the reorganization of the agency and other reasons this proposed rule has been delayed; however, an assessment is currently being conducted to prioritize the ongoing rulemakings. The rule assessment will be done shortly and we can update you with a better anticipated publication date at that time. This proposed rule would (1) increase the sampling frequencies at gas royalty measurement points based on a given volume threshold, (2) require automatic sampling at gas royalty measurement points whose volume exceeds a given volume threshold, (3) increase sampling frequencies at topside gas allocation metering points, (4) require the submission of gas analysis information for each royalty or allocation metering point upon request by the BSEE Regional Supervisor, and (5) specify the acceptable spot sampling methods.

-A final rule to incorporate by reference certain API MPMS and AGA standards as it relates production measurement standards including the use of gas ultrasonic meters and liquid hydrocarbon Coriolis meters will be forthcoming. Within 4 to 6 months, the final rule should be published in the Federal Register. We did not anticipate that all rules, both proposed and final, would be held up until publication of the reorganization rule which splits BOEM and BSEE into two bureaus. This reorganizational rule became effective on October 1, 2011, and will be published on October 18, 2011. Once this happens all rules that have been held up should begin the process of moving forward. We are probably looking at the first quarter of 2012, for publication.

-Continue to review and rewrite 30 CFR 250 Subpart L – Oil and Gas Production Measurement, Surface Commingling, and Security. The areas of review and possible changes include: (1) expansion of the definitions list, (2) revisions to the liquid hydrocarbon and gas measurement regulations to address ultrasonic, Coriolis and multiphase measurement (3) liquid hydrocarbon and gas allocation requirements, and (4) incorporation by reference of the sections in API MPMS Chapter 20 currently under development by CPMA.
Annex B

ISO/TC 193 Report to API CMPA
October 2011
Savannah, Georgia


- With regard to ISO/TC 193/SC 3/WG 1 *Allocation and measurement*, a meeting was convened by Philip Lawrence in China. Russia is still considering submitting an ISO new work item proposal for “LNG quality measurement and blending”, and is preparing a detailed outline of the proposed standard to accompany the proposal.

- Richard Steven, Convenor of ISO/TC 193/SC 3/WG 2, reported that the WG hopes to have DTR 12748 *Measurement of wet natural gas flow in circular cross-section conduits*, ready for ballot by early 2012. It was noted that ISO/TR 11583 *Measurement of wet gas flow by means of pressure differential devices inserted in circular cross-section conduits*, developed by ISO/TC 30/SC 2, is currently under publication. Independent data does not support the conclusions presented in ISO/TR 11583.

- ISO/TC 193/SC 3/WG 4 *Online gas chromatography (OGC) applications*, also met in China to continue to develop the draft of ISO/TS 14749 *Online gas chromatograph for the upstream area*. It is hoped the draft Technical Specification (TS) will be ready for ballot in the 1st Q 2012.

- A new ISO WG, ISO/TC 193/SC 3/WG 5, has been established with David Fish as Convenor, and an ISO preliminary work item (PWI) on wet gas sampling has been approved. Additional members for this WG are being sought.

- Under ISO/TC 193/WG 4 *Terminology*, Phil Lawrence convened a meeting in Nanjing to review the comments submitted on the 2nd Committee Draft (CD) for ISO 14532 *Natural gas – Terminology*. The revised document will be progressed for DIS ballot.

- The new work item proposal submitted by ISO/TC 193/SC 1/WG13 (convened by Eric Lemmon) for ISO 20765-2 *Natural Gas – Calculation of thermodynamic properties – Part 2: Single-phase properties (gas, liquid, and dense fluid) for extended ranges of application* (GERG 2004), was approved and the document will be progressed for DIS ballot.

- ISO/TC 193/SC 1/WG 20 has initiated a revision of ISO 10715 *Natural gas sampling guidelines*. This International standard provides guidance on all aspects of the sampling of processed natural gas for the online measurement of compliance to network entry conditions, energy content, flow metering correction data, odorant concentration measurements, interchangeability parameters and trace components.

- The location and date of the next ISO/TC 193 plenary meeting (along with further subcommittee and working group meetings) is still to be determined.