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Helping our world work better

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**COMMITTEE D02 on PETROLEUM PRODUCTS, LIQUID FUELS, AND LUBRICANTS 3**

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**STAFF MANAGER:** Alyson Fick, (610) 832-9710, e-mail: afick@astm.org

## Call to Order

ASTM D02.B0.08, the Test Monitoring System Executive Committee, met via webex on Thursday, July 23, 2020 at 1:00 p.m. since the normal June semi-annual meeting was cancelled because of the pandemic. Limited member attendance was present. No attendance list is available.

### Committee Voting Members

Bob Campbell, Present  
Jason Anderson, Not-Present  
Nathan Seibert, Represented  
Jim Matasic, Not-Present  
Doyle Boese, Present  
Mike Alessi, Not-Present  
Suzanne Neal, Not-Present  
Hind Abi-Akar, Present  
Mark Sutherland, Not-Present

The agenda is shown as Attachment A.

### Meeting Minutes

The December 12, 2019 meeting minutes were approved as posted.

### Membership

The membership was reviewed. Four current members were re-elected to 2-year terms via a ballot that closed in February. Board members whose terms are ending in 2020 were requested to notify Joe Franklin, Subcommittee B chair about their status for re-election.

The current members and their terms are shown on the next page.

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Hind Abi-Akar						U	U						
Jason Anderson		U	U	U	U	U	U						
Mike Alessi				P	P	P	P						
Suzanne Neal			U	U	U	U	U	U					
Nathan Seibert					U	U	U	U					
Bob Campbell		P	P	P	P	P	P						
Jim Matasic					P	P	P	P					
Doyle Boese	P	P	P	P	P	P	P	P					
Mark Sutherland						GI	GI						

 Eligibility; P=Producer, U=User, G=General Interest

### **Technical Guidance Committee (TGC) Report – Pat Lang**

Pat's report is shown as Attachment B. The report included the Rating Task Force (Bob Campbell) and Fuel Task Force (Mike Lochte) reports. Highlights of the TGC report are:

- ▶ Rating Task Force activity:
  - Updated Manual 20 expected to be printed late 2020.
  - Spring workshop cancelled due to COVID
    - LD rater calibration extended by TMC until next workshop
  - Considering have a fall rating workshop that will cover both HD and LD ratings.
    - Proposed for September 27th but may not happen.
    - If it doesn't happen a plan will have to be put together to address the 1-year rater calibration requirement.
- ▶ Fuels Task Force activity:
  - Fuels Task Force continues with their review of the various fuel specifications.
  - Group working through challenges with the Method D1319 "Test Method for hydrocarbon types..." due to unavailability of the original dye required by the method. Trying to determine if D5769 is a viable alternate.
  - Is acceptance range one method the same for the other? Some challenges with the correlation equation that what established between methods.
- ▶ Sequence VI Alternate Fuel Supplier Protocol Discussion
  - Acceptance of the recommendation was put on hold due to concerns with general practices of determining if a fuel is meeting the specification.
  - Seq. VI labs are taking samples and analyzing the CofA parameters in an attempt to get a feel for reproducibility.

- Looking at some historical data to see if there is a correlation between any fuel properties and test results
- Considering periodic fuel analysis at time of reference testing to build database.
- ▶ The Sequence IIIH Alternate Fuel Supplier Task force has been meeting. Group is getting close to a final recommendation that will likely involve running nine tests at two labs on three reference oils.
- ▶ The HD Sequence Surveillance Panels have also started the process of addressing Alternate Fuel Suppliers. Has been initiated in the Caterpillar, Cummins, Daimler and Mack SP's.
  - At this point, none of these SP have rejected the consideration of an alternate fuel supplier.
  - Currently working on the guidelines.

### **Test Monitoring Center (TMC) Report – Frank Farber**

Frank's report is shown as Attachment C.

- ▶ 22 information letters were distributed this period and passed D02/Sub B balloting
- ▶ The Sequence VIE information letter regarding the alternate fuel supplier topic was withdrawn because of a negative and is being worked on by the surveillance panel
- ▶ PCMO reference activity is slowing compared to last year
- ▶ Bench, HDEO and Gear reference activity is similar to last year.
- ▶ It is anticipated that the pandemic will adversely affect test activity in the 3<sup>rd</sup> and 4<sup>th</sup> quarters

Bob Campbell noted that reference oil component substitution needs to be known by test surveillance panels to assess target creation methodology and possible effects on test results. Hind Abi-Akar noted that reference oil age needs to be known by panels to judge effects on test trends. Frank Farber agreed to add reference oil 'TMC Receive Date' to the LTMS document for panel visibility. In addition, the TMC will provide reference oil component substitution information to panels for future re-blend introductions.

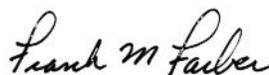
- ▶ The EC and industry stakeholders are addressing the TMC's transition from CMU with ASTM

Much discussion occurred regarding this item. It was the group's feeling that an open EC teleconference with ASTM senior management was needed to discuss the industry concerns over the use of TMC generated funds held by ASTM and the re-positioning of the TMC. Alsyon Fick – ASTM agreed to send out possible dates and times to schedule a conference call.

There were no old or new business items.

The meeting ended at approximately 2:30 pm.

Respectfully submitted,



Frank M. Farber, Secretary  
ASTM Test Monitoring System Executive Committee

Attachments  
FMF/fmf

**ASTM Test Monitoring System  
Executive Committee Teleconference  
Thursday – July 23, 2020  
1:00 - 3:00 PM  
Webex  
AGENDA**

- 1. Call to Order**
- 2. Approval of Minutes - December 9, 2019**
- 3. Membership**
- 4. Receive, Accept and Take Action on Reports**
  - Technical Guidance Committee – Pat Lang**
  - Test Monitoring Center – Frank Farber**
- 5. New Business**
- 6. Old Business**
- 7. Next Meeting – ~~Monday, December 7, 2020~~  
Austin, TX TBD**
- 8. Adjournment**

# Technical Guidance Committee Report

Presented by: Patrick Lang

July 23, 2020

WebEx

# Summary of Activity this Period

- Rating Task Force continued discussions during this period via conference calls:
  - Updated Manual 20 expected to be printed late 2020.
  - Spring workshop cancelled due to COVID
    - LD rater calibration extended by TMC until next workshop
  - Considering have a fall rating workshop that will cover both HD and LD ratings.
    - Proposed for September 27<sup>th</sup> but may not happen.
    - If it doesn't happen a plan will have to be put together to address the 1-year rater calibration requirement.
- Fuels Task Force continues with their review of the various fuel specifications.
  - Group working through challenges with the Method D1319 “Test Method for hydrocarbon types...” due to unavailability of the original dye required by the method. Trying to determine if D5769 is a viable alternate.
  - Is acceptance range one method the same for the other? Some challenges with the correlation equation that what established between methods.

# Activity this Period (cont'd)

- The Sequence VI Surveillance Panel has been very active on addressing Alternate Fuel Supplier Task Force's recommendation.
  - Acceptance of the recommendation was put on hold due to concerns with general practices of determining if a fuel is meeting the specification.
  - Seq. VI labs are taking samples and analyzing the CofA parameters in an attempt to get a feel for reproducibility.
  - Looking at some historical data to see if there is a correlation between any fuel properties and test results.
  - Considering periodic fuel analysis at time of reference testing to build database.
- The Sequence IIIH Alternate Fuel Supplier Task force has been meeting. Group is getting close to a final recommendation that will likely involve running nine tests at two labs on three reference oils.

# Activity this Period (cont'd)

- The HD Sequence Surveillance Panels have also started the process of addressing Alternate Fuel Suppliers.
  - Has been initiated in the Caterpillar, Cummins, Daimler and Mack SP's.
  - At this point, none of these SP have rejected the consideration of an alternate fuel supplier.
  - Currently working on the guidelines.

# TGC Scope and Objectives

The Technical Guidance Committee is a standing committee under the ASTM Test Monitoring System Executive Committee. The TGC shall consist of the chairmen of the surveillance panels of monitored tests, a representative of each of the test developers/sponsor who are responsible for the test procedures and the Director. The Technical Guidance Committee will advise the Director in technical matters concerning test procedures.

This will involve working with the surveillance panels, test developers, critical parts suppliers, fuel suppliers and testing laboratories across all testing types to improve the repeatability and reproducibility of the test procedures. The TGC will provide guidance for future test developments. Additionally, the TGC chairman will liaise with the ACC PAPTG Chair.

## **Objectives:**

- 1) Develop guidelines for issues that are potentially common to all HD/PC engine, gear and bench testing.
- 2) Work with the Rating Committee to provide guidance for issues related to visual deposit ratings.
- 3) Provide guidance on best practices for critical component identification within test procedures.
- 4) Continue to refine the “Guide for Test Development” document as new categories are developed.

# Test Monitoring Center Report

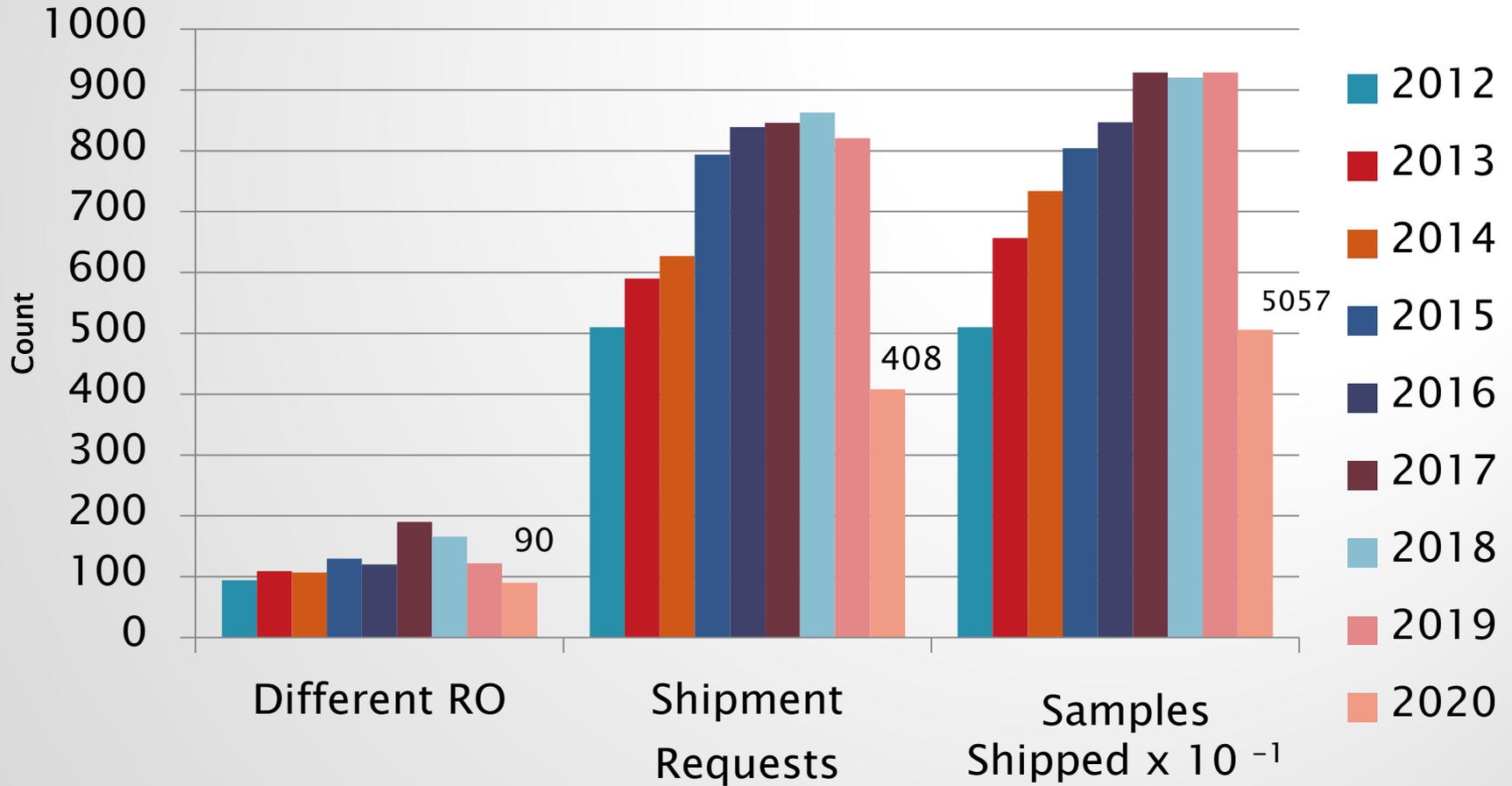
- ▶ July 23, 2020
  - ▶ Webex

# TMC Activity

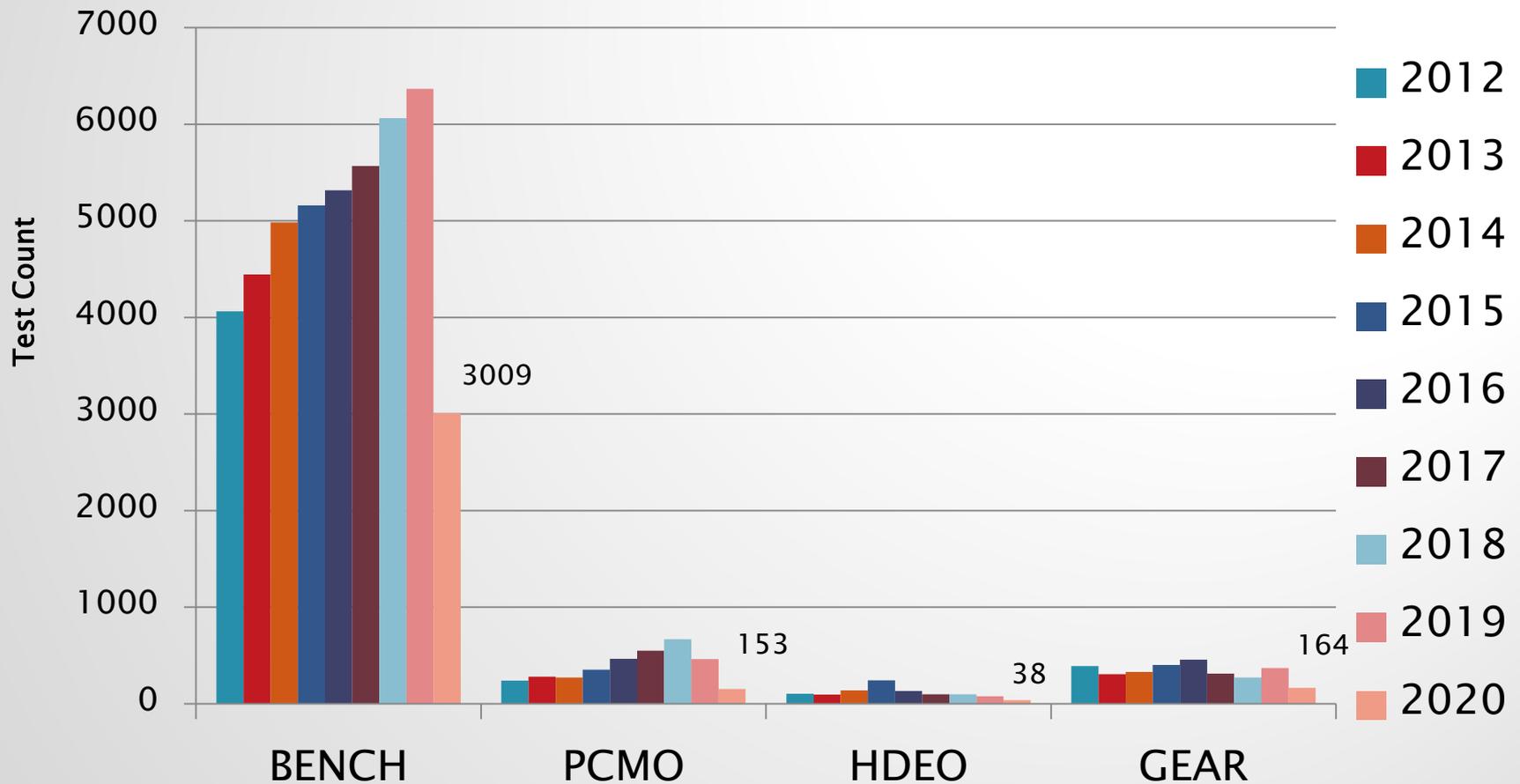
- ▶ 22 Information Letters Passed D02 /B Ballot
- ▶ Sequence VIE Alternate Fuel Approval IL was withdrawn
  
- ▶ Oil Procurement

Type	Oil Code	Quantity (drums)
VH	931	17
GMAER	GMAER02-6	2

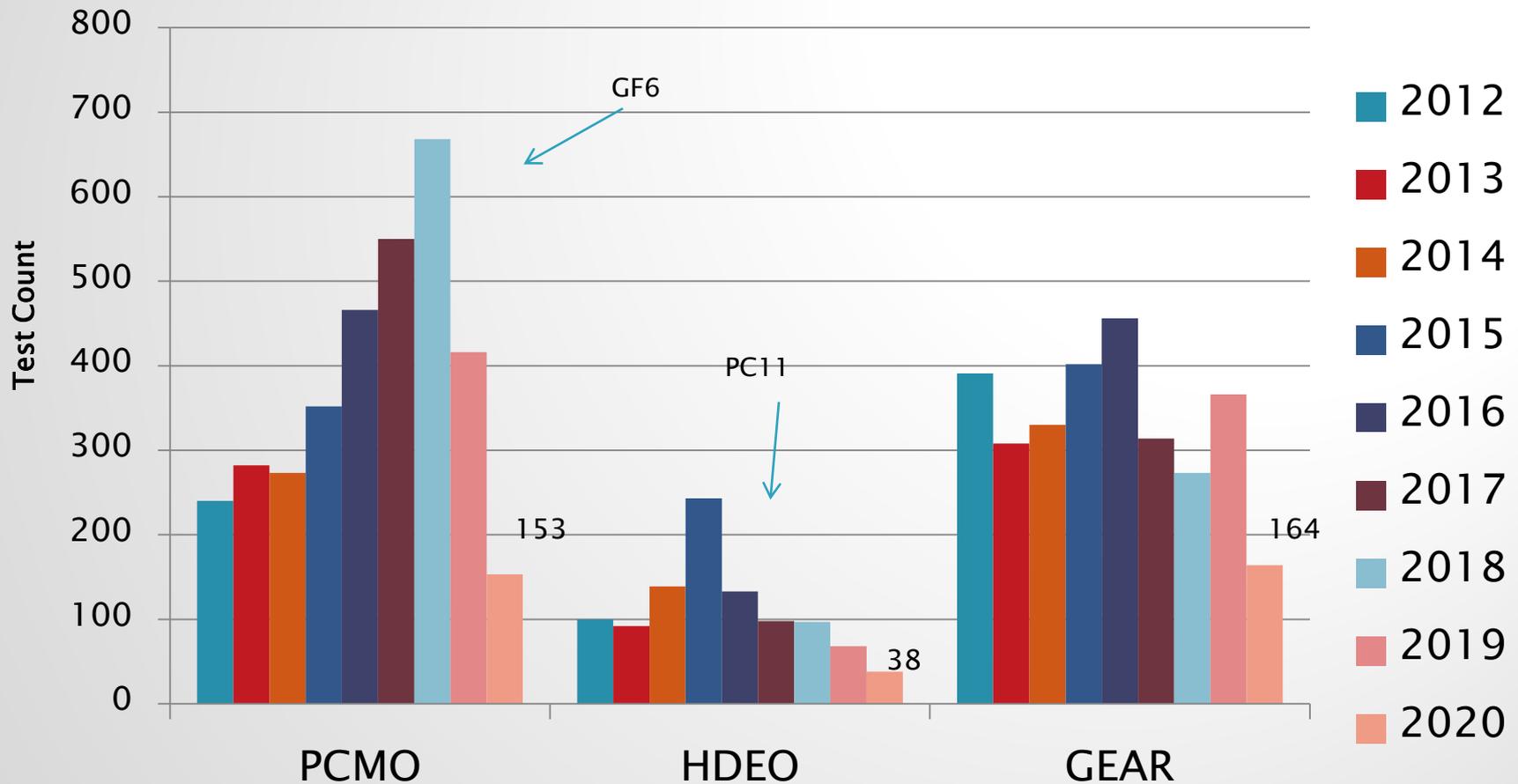
# Reference Oil Shipment Overview



# Reference Test Activity



# Reference Test Activity



# TMC Transition

- ▶ In January, Carnegie Mellon University (CMU) notified ASTM that the TMC contract would not be renewed after December 31, 2020.
  - This will end a 40+ year relationship with CMU
  - A building in Pittsburgh area will need to be procured for TMC operations
  - TMC Staff will need to find a new employer

# Executive Committee Activity

- ▶ The EC has had several teleconferences to discuss the transition
- ▶ The EC Chair and TMC Director have had numerous calls with the ASTM President, VP and General Counsel to find a solution
- ▶ In March a Subcommittee B Straw ballot returned unanimous support to form an independent non-profit TMC

# Executive Committee Opinion

- ▶ EC believes TMC generated funds held by ASTM and CMU are to be used to procure a building for the TMC and start TMC operations.
- ▶ ASTM has offered to loan the TMC money for building procurement and start-up.
- ▶ ASTM feels future revenue of TMC for non-ASTM activities should be retained as ASTM assets.

# Industry Perspective

- ▶ TMC is to be an independent non-profit entity
- ▶ TMC is to be overseen by board of directors comprised of industry representatives
- ▶ TMC generated funds for non-ASTM services are to be TMC assets
- ▶ TMC generated funds in excess of its operations are to be available for industry use

# Industry Stakeholders

- ▶ Industry stakeholders are discussing options on a path forward for the TMC