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Helping our world work better

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COMMITTEE D02 on PETROLEUM PRODUCTS, LIQUID FUELS, AND LUBRICANTS

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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 on Monday, December, 2017 at 5:30 p.m. in the Marriott Marquis Houston. Six voting members and several other attendees were present. Attendance list is Attachment A (most attendees did not sign).

Committee Voting Members

Bob Campbell, Present
Jason Anderson, Present
Eric Johnson, Not Present
Ron Loomis, Not Present
Doyle Boese, Present
Mike Alessi, Not Present
Jason Bowden, Present
Suzanne Neal, Present
Greg Shank, Present

The agenda is shown as Attachment B.

Meeting Minutes

The June 26, 2017 meeting minutes were approved as posted.

Membership

The membership was reviewed. No changes were made.

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

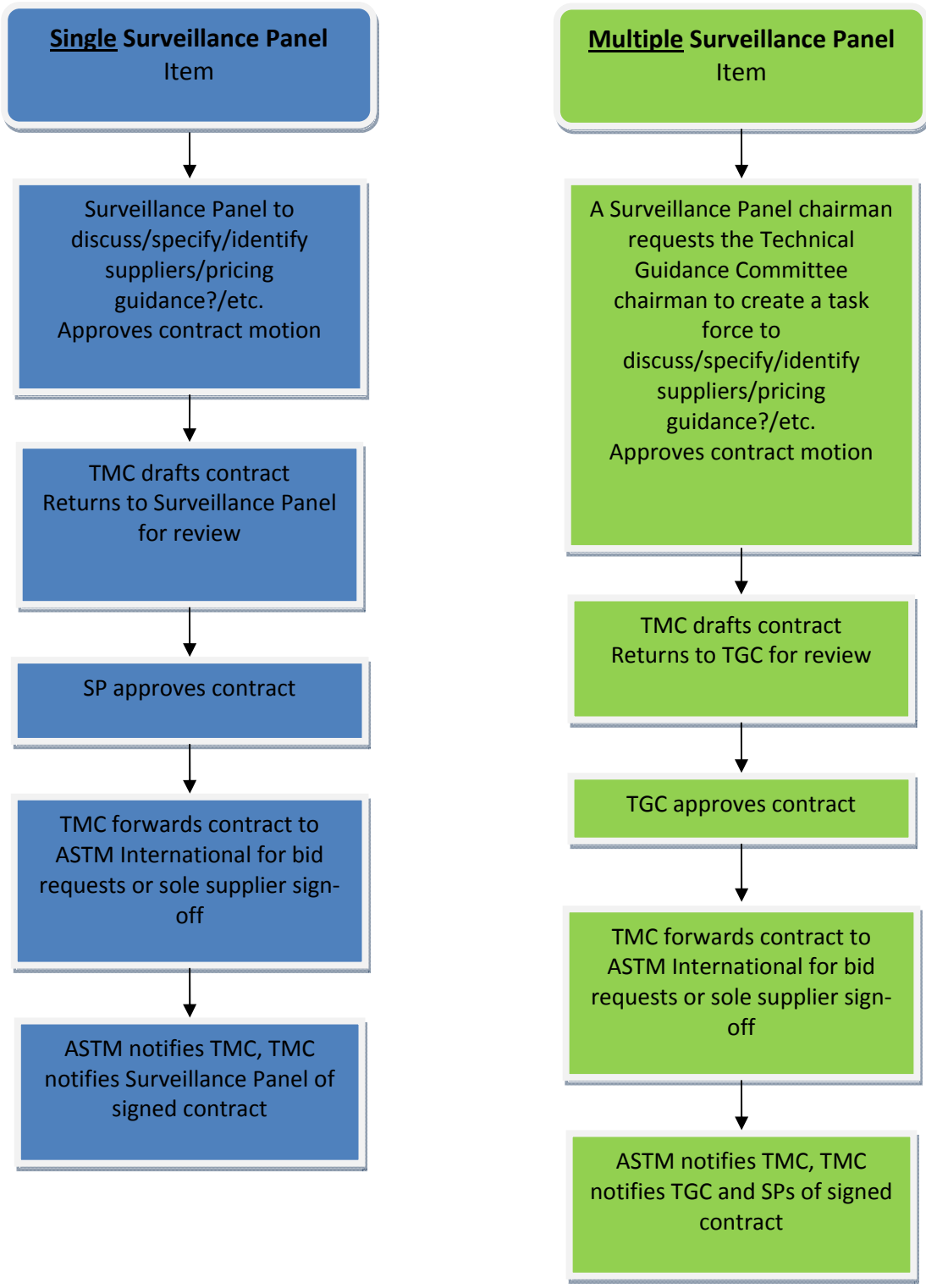
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Greg Shank						U	U						
Jason Anderson				U	U	U	U						
Mike Alessi						P	P						
Suzanne Neal					U	U							
Eric Johnson			U	U	U	U							
Bob Campbell				P	P	P	P						
Ron Loomis					P	P							
Doyle Boese			P	P	P	P							
Jason Bowden	G	G	G	G	G	G							

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

Technical Guidance Committee (TGC) Report – Pat Lang

Pat's report is shown as Attachment C. Pat's report also included a report from the Rating Task Force and Fuel Task Force. There was some overlap from the earlier TGC meeting at the start of the Executive Committee meeting on the topic of the ASTM TMC contract creation/procurement process. The below flowchart was reviewed and a further lengthy discussion took place on whether it was appropriate for TMC to be handling the creation of procurement contracts between ASTM and suppliers. The TMC noted that the Executive Committee had already voted to move forward with the contract creation process and PC-10 fuel would most likely be the first test case once the Fuel Task Force defines the specification. Dan Pridemore noted that ACC supports the need for developing procurement contracts as identified by each surveillance panel. Several attendees felt that the TMC/ASTM should not be involved in this process. The discussions ended with no notable changes to the procurement process that the executive committee previously approved.

Contract Flow Chart Draft



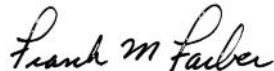
Test Monitoring Center (TMC) Report – Frank Farber

Frank's report is shown as Attachment D. The TMC informed the committee that all two-cycle reference oils would be discarded.

There were no old or new business items.

The meeting ended at approximately 6:00 pm.

Respectfully submitted,

A handwritten signature in cursive script that reads "Frank M Farber".

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

Attachments
FMF/fmf

ASTM Test Monitoring System Executive Committee Meeting
December 4, 2017
Houston, TX

Voting Members

NAME	COMPANY AND ADDRESS	PHONE NUMBER E-MAIL ADDRESS FAX NUMBER	PRESENT
Bob Campbell Chairman	Afton Chemical Corporation 500 Spring Street P.O. Box 2158 Richmond, VA 23218-2158	Phone: (804) 788-5236 e-mail: bob.campbell@aftonchemical.com FAX: (804) 788-5340	
Mike Alessi	ExxonMobil Paulsboro Technology Center 600 Billingsport Road Paulsboro, NJ 08066-0480	Phone: (856) 224-2309 e-mail: michael.l.alessi@exxonmobil.com FAX: (856) 224-	
Jason Anderson	PACCAR	Phone: e-mail: Jason.Andersen@PACCAR.com	
Doyle Boese	Infineum USA, L.P. 1900 East Linden Avenue Linden, NJ 07036-0536	Phone: (908) 474-3176 e-mail: doyle.boese@infineum.com FAX: (908) 474-3637	
Jason Bowden	OH Technologies 9300 Progress Parkway P. O. Box 5039 Mentor, OH 44061-5039	Phone: (440) 354-7007 e-mail: jhbowden@ohtech.com FAX: (440) 354-7080	
Eric Johnson	General Motors	Phone: 248-705-1086 e-mail: eric.r.johnson@gm.com FAX:	
Ron Loomis	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, OH 44092	Phone: (440) 347-4046 e-mail: Ron.Loomis@lubrizol.com FAX: (440) 347-1555	
Suzanne Neal	Daimler/Detroit Diesel Corporation 13400 Outer Drive, West Detroit, MI 48239	Phone: (313) 592-7130 e-mail: Suzanne.neal@daimler.com FAX: (313)592-7104	
Greg Shank	Volvo Powertrain 13302 Pennsylvania Avenue Hagerstown, MD 21742-2693	Phone: (301) 790-5817 e-mail: greg.shank@volvo.com FAX: (301)790-5815	

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Houston, TX

Non-Voting Members

NAME	COMPANY AND ADDRESS	PHONE NUMBER E-MAIL ADDRESS FAX NUMBER	PRESENT
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Tim Brooke ASTM International	ASTM 100 Barr Harbor Drive West Conshohocken, PA 19428	Phone: (610) 832-9729 e-mail: tbrooke@astm.org FAX: (610) 832-	
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Mark Devlin Gelation Index Chairman	Afton Chemical Corporation 500 Spring Street, P.O. Box 2158 Richmond, VA 23218-2158	Phone: (804) 788-6322 e-mail: mark.devlin@aftonchemical.com FAX: (804) 788-6388	
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Joe Franklin Subcommittee B Chairman	Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238-1933	Phone: (210) 523-4671 e-mail: joe.franklin@intertek.com FAX: (210) 681-8300	
Pat Lang Sequence VIII TGC Chairman	Southwest Research Institute 6220 Culebra Road San Antonio, TX 78228-0510	Phone: (210) 522-2820 e-mail: plang@swri.org FAX: (210) 684-7523	
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	P.O. Box 2158 Richmond, VA 23218-2158	FAX: (804) 788-6358	
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NAME	COMPANY AND ADDRESS	PHONE NUMBER E-MAIL ADDRESS FAX NUMBER	PRESENT
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Stefan Von Lukawiecki D5800, D6417 Chairman	Safety-Kleen Canada, Inc. 300 Woolwich Street South Breslau, Ontario N0B 1M0 CANADA	Phone: (519) 648-2291 e-mail: svonluka@safety-kleen.com FAX: (519) 648-2033	
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Andrew Ritchie Sequence V Chairman	Infineum USA, L.P. 1900 East Linden Avenue Linden, NJ 07036-0536	Phone: (908) 474-2097 e-mail: andrew.ritchie@infineum.com FAX: (908) 474-3637	
Angela Trader L-33-1 Chairperson	Intertek Automotive 5404 Bandera Road San Antonio, TX 78238-1993	Phone: (210) 264-5911 e-mail: angela.trader@intertek.com FAX: (210)	

ASTM Test Monitoring System Executive Committee Meeting
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Visitors

NAME	COMPANY AND ADDRESS	PHONE NUMBER E-MAIL ADDRESS FAX NUMBER	PRESENT
Michael Lochte	SWRI	210 522-5430 MLOCHTE@SWRI.ORG	—
Pat Lang	SWRI	210-522-2820 patrick.lang@swri	✓

**ASTM Test Monitoring System
Executive Committee Meeting
Monday – December 4, 2017
5:30 - 6:30 PM**

Marriott Marquis Houston; Houston, TX

AGENDA

- 1. Call to Order**
- 2. Approval of Minutes - June 26, 2017**
- 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, June 25, 2018**
Phoenix, AZ
- 8. Adjournment**

Technical Guidance Committee Report

Prepared by: Patrick Lang

December 4, 2017

Houston, TX

TGC Meetings Conducted This Reporting Period

- The TGC conducted a meeting on June 28, 2017 during ASTM meeting week in Boston.
- A conference call/WebEx was conducted on August 30, 2017.
- Conference call with ACC (LCTWG) group and TGC chair on 10/24/17.

Accomplishments this Reporting Period

- After much debate and review the recommended wording for Alternate Supplier Protocol is getting close to the final form:
 - Draft wording was presented to the PCMO surveillance panels the week of November 13th
 - Will be presented to the HD surveillance panels in near future
 - All comments to be considered and final wording sent back to SP's for acceptance vote
 - After a successful vote, it will be requested that the wording be added to the individual test procedures

Draft of the wording that was generated during the August 30, 2017 Technical Guidance Committee Meeting Conference Call:

Alternate Supplier Protocol

ASTM International policy is to encourage the development of test procedures based on generic equipment. It is recognized that there are occasions where critical/sole-source equipment has been approved by the technical committee (surveillance panel/task force) and is required by the test procedure. The technical committee that oversees the test procedure is encouraged to clearly identify if the part is considered critical in the test procedure. If a part is deemed to be critical, ASTM encourages alternate suppliers to be given the opportunity for consideration of supplying the critical part/component providing they meet the approval process set forth by the technical committee.

An alternate supplier can start the process by initiating contact with the technical committee (current chairs shown on ASTM TMC website). The supplier should advise on the details of the part that is intended to be supplied. The technical committee will review the request and determine feasibility of an alternate supplier for the requested replacement critical part. In the event that a replacement critical part has been identified and proven equivalent the sole-source supplier footnote shall be removed from the test procedure.

Procurement Process for Testing Materials

- Good discussion between TGC chair and LCTWG group on the procurement process within ASTM.
- LCTWG encourages TGC to work towards creating guidelines for the TMC to follow for the multiple bidding process.
- LCTWG encourages the TGC to be involved with “coaching” the alternate supplier requests through the process.
- LCTWG has offered to help where needed.







Rater Task Force Update to TGC

12/4/2017

Passion for Solutions®

What we've been doing.....

-  Conference call 7/11
-  HD Workshop week of 10/2
-  Post-Mortem Conference call 10/26
-  Call to be scheduled Jan, 2018





Workshop update

- ▲ New format for last two workshops – seems to work well
- ▲ Parts quantity at workshop may need adjustment
- ▲ Requirement for “experienced rater” will be further defined by TMC
- ▲ Some parts weren’t fully rated, so discussion on how to determine precision if this occurs again – TMC to propose
- ▲ Improve interactions between raters and coaches
 - ▲ TMC to provide shirts to make coaches more recognizable
- ▲ Rerate requirements/allowances during workshop need clarification

CEC Manuals 20/21

- ▶ **Currently nobody owns them, so they are very outdated**
- ▶ **Suggest ASTM take the manual's over, get them updated, and manage like our test methods**
 - ▶ Who should own it?

Ongoing Actions

-  Group has an open action item to upgrade the rating booth light requirement (currently outdated T12 fluorescents required)
-  Continue to review parts availability and workshop protocols to ensure the industry are properly served
-  Ensure more interaction between rating community and surveillance panels
-  Potentially Manual upgrade and ownership




TGC Fuels Task Force

Update to TGC 12/4/2017



8/3/ Meeting

- ▶ Reviewed fuel data report forms
- ▶ TMC reviewed TMC website data upload portal
- ▶ Start date TBD based on finalization of fuel specs



11/27/17 Meeting

- ▶ PC10 ULSD Fuels Spec Review
 - ▶ Spec to be kept on TMC website and test procedures to refer to spec and location
 - ▶ Eliminates potential variation and need to update multiple procedures when spec is updated
 - ▶ Discussion around using D6079 as replacement for D6078 for lubricity method and spec
 - ▶ ISB, T12, DD13, C13, and COAT to approve change
 - ▶ Task Force working to add spec on Bio-Diesel content
 - ▶ Task Force working to update Sulfur content method
- ▶ CPCChem to provide data analysis of all batches of PC10 and PC9 fuel for data analysis and refinement of specs
- ▶ PC9 Fuel Spec Review
 - ▶ Review started by Task force and needs completed
 - ▶ More complicated due to varying differences in test procedures



Recommended PC10 Fuel Spec

Measurement	Units	Method	Spec
Additives		Lubricity Additive Only	
Distillation			
90% Volume			292-332
API Gravity	%API	D4052	34-37
Cetane Index	unitless	ASTM D976	report
Cetane Number	unitless	ASTM D613	43-47
Specific Gravity		D4052	0.840-0.855
Ramsbottom Carbon Residue on 10% Distillation	%	ASTM D524	max 0.35
Net Heating Value	MJ/kg	ASTM D3338	report
Composition, aromatics	volume %	ASTM D5186	26-31.5
Composition, olefins	volume %	ASTM D1319	report
Composition, saturates	volume %	ASTM D1319	report
Ash	mass %	ASTM D482	max 0.005
Flash Point	°C	ASTM D93	min 54
Pour Point	°C	ASTM D97	max -18
Cloud Point	°C	ASTM D2500	report
Strong Acid Number	mg KOH/g	ASTM D664	max 0.00
Total Acid Number	mg KOH/g	ASTM D664	max 0.05
Accelerated Stability	mg/100 mL	ASTM D2274	max 1.5
Copper Corrosion	classification	ASTM D130	max 1
Kinematic Viscosity	cSt	ASTM D445	2.0-2.6
Water and Sediment	volume %	ASTM D2709	max 0.05
Total Sulfur	mg/kg	ASTM D5453	7-15
Lubricity (HFRR)	µm	D6079	max 460
Bio-Diesel	XXX	XXX	XXX



TGC Fuels Task Force Recommendations to TGC

- ▶ PC10 Fuel Spec to be agreed upon by each test method using PC10 fuel
 - ▶ All effected surveillance panels to vote and approve

- ▶ Fuel Specs to be kept on TMC website and referred to within procedures
 - ▶ All HD surveillance panels to modify procedures by removing current spec and adding comment on test fuel and location of spec for that fuel
 - ▶ PC9, PC10, and SDTF

December 4, 2017 Meeting

- TGC Meeting held prior to the Executive Committee meeting. A verbal update on details of meeting will be given.

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.