

AASHTO Subcommittee on Materials

Technical Section 5c

Quality Assurance, Data Evaluation, and Acceptance Plans

Minutes Monday August 5th 3:00 PM State Line, Nevada

1. Call to Order / Opening Remarks / General Business

Chairman Curt Turgeon (Minnesota) welcomed everyone and called the meeting to order at 3:05 pm PST, Monday, August 5, 2013.

AL – Kaye Davis
AR – Michael Benson
AZ – Bill Hurguy
CO - Bill Schiebel
CT – Robert Lauzon
DE – Greg Hainsworth
FL – Timothy Ruelke
GA – Charles Hasty
ME - Rick Bradbury
MD – Tim Smith
MN - Curt Turgeon (Chair)
NV – Steve Hale, Callie Streifel, Darin Tedford
OK - Scott Seiter
OR - Cole Mullis
PA - Bob Horwhat, Tim Ramirez
TX – Darren Hazlett
UT – Scott Andrus
VA – Bill Bailey
VT – Chad Allen
WS – Kurt Williams
WV - Paul Farley
WI – Steven Krebs
FHWA - Matthew Corrigan (Vice Chair)
FHWA - John Bukowski
FHWA – Tim Lewis
FHWA – Mike Rafalowski
AASHTO – Ron Holsinger
AASHTO – Katheryn Malusky
AASHTO - Bob Lutz
AASHTO – Tracy Barnhart
AASHTO – Evan Rothblatt
AASHTO – Greg Uherek
AP/M Permaform – Dennis Buckshaw
Fugro – Jerry Daleiden
D’Angelo Consulting – John D’Angelo

CMEC – David Savage
 Raba Kistner Infrastructure – Jeff Seiders
 Heritage Research Group – Gerry Huber
 Insteel – Calvin Chandler
 Henson Pipe & Precast – Pat Liston

2. Roster

AK	Michael San Angelo	NY	Bob Burnett
AZ	Bill Hurguy	NC	Jack Cowsert
AR	Michael Benson	OH	Lloyd Welker
CA	Phil Stolarski	OK	Scot Seiter
CO	Patrick Kropp	Ont.	Vacant
CT	James Connery	PA	Tim Ramirez
FL	Timothy Ruelke	RI	Mark Felag
GA	Georgene Geary	Sask.	Magdy Beshara
HI	JoAnne Nakamura	TN	Danny Lane
ID	Garth Newman	TX	Darren Hazlett
IN	Ron Walker	UT	George Lukes
KS	Rick Kreider	VA	Andy Babish
LA	Chris Abadie	WV	Aaron Gillispie
ME	Mark Alley	AMRL	Bob Lutz
MD	Woody Hood	AMRL	Brian Johnson
MA	John Greico	AMRL	Maria Knake
AZ	Bill Hurguy	FHWA	Matthew Corrigan
MN	Curt Turgeon (chair)	FHWA	Dennis Dvorak
MO	Victoria Woods		
MT	Matt Strizich		
NE	Amy Starr		
NJ	Eileen Sheehy		

3. Approval of Minutes from 2013 Webinar Meeting Minutes

Chairman Curt Turgeon (Minnesota) called for a motion to approve the February 2013 Webinar Meeting Minutes. Motion made by Cole Mullis (OR). Motion second by Bill Schieble (CO).

4. Old Business

4.1. NCHRP 20-7 problem statement, Materials Acceptance for Non-Traditional Contracts has been selected for funding.

Amir Hanna updated the TS on the projects. In the process of developing the advisory panel and looking for additional members to serve on the panel. Let Amir know ASAP of your interest to serve on the panel either verbally during the meeting or send him an email.

4.2. 2011 Technical Section Letter Ballot - see 2013 Webinar Meeting Minutes

skipped do to similarity to item 5.4

4.3 Task Force Reports - none

5. New Business

Rick Bradburry volunteered to represent the Tech Section 5c as its “Research Liaison” based on request by Georgene Geary, GA request.

5.1. AMRL / CCRL Issues - None

5.2. NCHRP Issues – Amir covered the NCHRP projects during the morning plenary session. He re-emphasized the projects and timeline for submitting topics highlighting the synthesis topics. Be sure to indicate the final outcome of the research as part of the needs statement writeup.

5.3. Correspondence, calls, meetings, presentation by industry - None

5.4. Proposed New Standards

5.4.1. Discussion of Field Quality Control Developments within Asphalt Paving Industry.

5.4.2 Proposed New Standard Practice, “Continuous Thermal Profile of Asphalt Mixture Construction” & “Intelligent Compaction Technology for Embankment and Asphalt Pavement Applications” (attached)

Chairman Turgeon (Minnesota) discussed the background on the standard and provided a brief review of the past ballot items and negatives. Issues seem to relate to QC role of this equipment by contractor and agency’s role. Also, IC standards are similar with regards to QC emphasis. What is the QA/Acceptance part of this? To ensure full width total pavement evaluation instead of spot test and attempt to evaluate entire pavement with limited number of cores. Thermal imaging and GPR are coming out of the SHRP2 renewal and will be an emphasis area for implementation. Thermal imaging spec was updated based on previous ballot comments and provided in email attachment with the TS5c agenda prior to the meeting.

5.4.3 Results of 2013 Survey of AASHTO Members on Upcoming and Potential SHRP2 Products Available for Implementation

http://shrp2.transportation.org/Documents/AASHTO_Survey_Summary_SHRP2_Products.pdf

This survey indicated that the thermal imaging standard was the most ready product for implementation.

5.4.4 Consideration of Modified Proposed Standards (attached)

Therefore, plan to ballot the revised imaging provisional standard in addition to a provisional on IC with regards to how to collect IC data and data integrity. The two standards will be submitted by MN for a tech section ballot for provisional standard status. Texas DOT has a standard for segregation behind the asphalt paver; the thermal imaging technology (IR Bar) is one way to meet their standard. One benefit is to have the data automatically updated to the cloud and allow it to be review and monitored remotely by DOT staff. Both drafts were emailed with the agenda for preliminary review. If there are any issues identified, directly let Curt know in advance of TS ballot so they can be resolved. TS ballot will be issued in approximately 4-8 weeks.

5.4.5 Future Standards for Application of Ground Penetrating Radar

No proposed standard at this point but working with manufacturers to resolve issues on data collection in order to put a provisional standard draft together for tech section review and ballot.

5.4.6 Development of Standard Software Veda

Potential pooled fund needed in order to move forward software standardization. Curt to lead any activities needed in this area.

5.5. Proposed New Task Forces – (or 20-7 project or geographic review)

None

5.6. Standards Requiring Reconfirmation - Volunteers for Stewards Needed

5.6.1. 2014 reconfirmation needed for R 9-10 steward Dennis Dvorak - FHWA

5.6.2. 2014 reconfirmation needed for R 25-10 no current steward, Scott Seiter, OK new steward

5.6.3. 2014 reconfirmation needed for R 38-10 no current steward, Bill Bailey, VA new steward

5.7. SOM Ballot Items (including any ASTM changes)

Next midyear webinar meeting of TS to be scheduled by Chairman Curt Turgeon (Minnesota)

Adjourn – Motion

Chairman Curt Turgeon (Minnesota) thanked everyone and called for a motion to adjourn the meeting at 3:45 pm PST, Monday, August 5, 2013

Motion to adjourn by Darrin Hazlett, (TX). Second by Cole Mullis (OR).

Subsequent to the completion of the Tech Section meeting, the Chair was informed that the proper procedure for advancing a Provisional Standard is a Concurrent ballot. Since this was the Chair's mistake, he has decided to rectify the misunderstanding by changing the anticipated Tech Section ballots for the proposed two new Provisional Standards to Concurrent ballots.

DRAFT

Technical Section 5c

Quality Assurance, Data Evaluation, and Acceptance Plans

Scope: It shall be the responsibility of Technical Section 5c to develop or promote the development of standards for control and acceptance of materials used in the construction of highway facilities, to serve as the focal point for metrication of SOM standards, and to assist the other technical sections of SOM in addressing statistical issues. (Steward)

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| R 9-05 (2010) | Acceptance Sampling Plans for Highway Construction (Dvorak, FHWA) |
| R 10-06 (2011) | Definition of Terms for Related to Quality and Statistics As Used in Highway Construction

(Old Title: Definition of Terms for Specifications and Procedures) |
| R 25-00 (2010) | Technician Training and Qualification Programs |
| R 38-04 (2010) | Quality Assurance of Standard Manufactured Materials |
| R 42-06 (2011) | Developing a Quality Assurance Plan for Hot-Mix Asphalt (HMA) (Gallivan, FHWA) |
| R 44-07 (2012) | Independent Assurance (IA) Programs (Krieder, KS) |
| R 61-12 | Establishing Requirements for Equipment Calibrations, Standardizations and Checks (Sheehy, NJ) |