



MINUTES
FIRE APPARATUS MANUFACTURERS' ASSOCIATION
TECHNICAL COMMITTEE MEETING
OCTOBER 18, 2017
MUSIC CITY CENTER, NASHVILLE, TN

[A copy of the full meeting power point presentation may be found in the secure documents of www.fama.org]

Call to Order – by Roger Lackore at 3:00 p.m. CDT

Proof of Notice – Notice of this meeting was provided to all Technical Committee representatives and FAMA members on August 23, 2017 via email.

Roll Call – A quorum was declared with 32-member companies present at the start of the meeting. [See attendance and sign-in sheets attached to these minutes.]

Antitrust Guidelines and Non-Discrimination Policy – Legal Counsel Jim Juneau stressed that it is FAMA's policy to abide by the antitrust laws of the United States and the strict non-discrimination policy at all meetings of the Association.

Recognition and appreciation was provided to meeting sponsors: Performance Advantage Company, Pro Poly of America, Inc., Valor First Responder Seating, and W.S. Darley & Co.

Review/Enter Minutes – After discussion and upon motion duly made and seconded, it was:

VOTED: That the minutes of the April 27, 2017 Technical Committee Meeting (Indianapolis, IN) are approved and be entered into the records of the association.

Welcome /Association Update – Roger Lackore introduced Steve Toren, the 2018 FAMA Board President.

Mr. Toren provided special thanks to the meeting sponsors: Performance Advantage Company, Pro Poly of America, Inc., Valor First Responder Seating, W.S. Darley & Company. He thanked the member company representatives for their attendance and for their time and service to the association and Technical Committee.

Mr. Toren provided an update on the association and discussed the 2018 FAMA Spring and Fall Meetings. For 2018, Mr. Toren's three areas of focus for the association are: Hill Day and Home Day events, the Sage Policy Group project to gain better understanding as to where the industry is going, and the Technical Committee's completion of the Buyers Guides.

Mr. Lackore provided a review of the Subcommittee Leaders, FAMA's plans for the FDSOA 2018 Symposium in Scottsdale, AZ, and the FAMA Forum Schedule. He also provided a status report on the Hose Bed Capacity Test Standard and two white papers: Power Line Contact Position and the Apparatus Size and Weight update. For the Buyers Guide project, Mr. Lackore provided an overview of the project status with the number of drafts in the review process, the number of guides completed/published, and the remaining guides to be developed.

NIOSH Seating for 1901 – The NFPA 1901 will need to readdress the NIOSH report. To maintain a traditional cab size, Mr. Lackore recommended that FAMA be proactive and address the issue by presenting a suggested new standard.

For full understanding of the current situation, Mr. Lackore provided a historical review of seating issues that started in 2006 and the various steps that brought us to the current NFPA 1901 language.

To develop a new FAMA suggested standard for seating, Mr. Lackore reviewed the average shoulder and hip widths both with and without PPE (turnout gear). He proposed using the following dimensions: 20.8" hip/28.0" hip with PPE and 27.6" shoulder/32.8" shoulder with PPE. According to NIOSH, the 20.8" hip and 27.6" shoulder dimensions meet the requirements of 99 percent of the population. For the suggested standard, Primary seats must meet the NIOSH dimensions of 20.8" hip and 27.6" shoulder.

For the FAMA suggested standard, the Primary and Secondary Seats would be designated. The proposed definitions for both Primary and Secondary Seats were reviewed. Seat designations would be the responsibility of the purchaser. Mr. Lackore noted that overlap between Primary and Secondary Seats is allowed.

The required dimensions of front seating, rear custom crew cab seating, 4-across secondary seating, 4-across with 2 primary seats, and 3-across commercial crew cab seats were presented.

To conclude, Mr. Lackore provided a formal justification for the suggested standard and the next steps needed. The Chassis Subcommittee will review and provide their recommendation. The recommended final draft will be presented to the Board for review and approval, if approved it will be submitted for Public Comment.

New Business – none

Old Business – none

Attendees were released to subcommittee breakouts after the meeting adjourned.

Next Meeting Notice – The next meeting of the Technical Committee will be held Thursday, April 26, 2018 at 7:30 a.m. at the Indiana Convention Center in Indianapolis, IN in the 500 Ballroom. Breakfast will be served at 7:00 a.m.

Adjournment – With no further business to come before this meeting, upon motion duly made and seconded and no further discussion, it was

VOTED: To adjourn at 4:56 p.m.

A true copy, attest:

Sonya Kelly

Attachments:

Member Company Attendance
Sign-In Sheets

Subcommittee Meeting Notes Follow

A. **Aerial/Quint** – Breakout session discussion items follow:

- Increased axle limitations allowed in the Federal standards for fire apparatus and impact on aerials
- NFPA 1901 is open for Public Input for next version of the standard

B. **ARFF** – Breakout session discussion items follow:

- NFPA ARFF Technical Committee met in Seattle late August 2017 to review 414 Public Inputs. The committee voted on the public inputs, and the document will be opened for public comment in 2018. The NFPA ARFF TC re-convenes in August in Nashville to finalize the public comments portion of the document.
- We discussed the Buyer's Guide for ARFF utilizing the spec from the FAA Advisory Circular 150/5220 -10E.
- We are willing to putting together an article, and we requested additional information on word count and other specific details necessary for submission. We are awaiting feedback on this.
- There were only two attendees for the ARFF FAMA Committee
- We discussed ARFF Working Group Conferences for 2018. The ARFFWG Leadership Conference just completed in Orlando February 26th-March 1st. Where there was an update on the NTSB recommendations for the Crash of Asiana 214 in San Francisco in 2013. One of these recommendations addresses changes to the HRET Training programs.
- Remaining conferences FAA Tech Center May 1st-3rd. Ontario Fire Chiefs/ARFFWG Joint Conference May 4-6 in Toronto. The Annual ARFFWG Conference is set for September 16-19 in Memphis.

C. **Ambulance** – none

D. **Body** – none

E. **Chassis** – notes requested

F. **Electrical** – Breakout session discussion items follow:

- The following Buyers Guides were reviewed:

TC035	Buyers Guide - Batteries, Alternators, and Chargers.	Pete Sremac - Niehoff
TC037	Buyers Guide - Lighting Technology	Sam Massa - Hi-Viz
TC038	Buyers Guide - Line Voltage Generators	John Doperalski - Harrison
TC040	Buyers Guide - Headlights	Sam Massa - Hi-Viz
TC044	Buyers Guide - Warning Lights	Matt Pitzer - Code 3
TC045	Buyers Guide - Electrical Systems	Dave Durstine - Weldon
TC050	Buyers Guide - Audible Warning Devices	Morgan Look - Federal Signal
TC060	Buyers Guide - Light Towers	Drew Newman - Will-Burt Co.
TC061	Buyers Guide - Camera Systems	Grady North - E-One

- **Warning**

Lights Too Bright - The topic of how bright is too bright came up, this has come up several times in the past and I believe it is time to try and put some numbers to this. The topic will be addressed at FDIC.

- Safety Related Items, Backup Cameras and Blind Spot Sensors - This was also briefly mentioned by one member, but the subcommittee focused on the Buyers Guides. This will be discussed at FDIC.

G. **Foam** – Breakout session discussion items follow:

- Starting a CAFS Buyers Guide with a target first draft of 1/15/18, send out to the subcommittee members for comments due by 3/1/18, and distribute the finished draft by 4/1/18 with a completion by FDIC.
- Subcommittee to review 1901 and 1906 Foam/CAFS chapters.
 - Send note to subcommittee members to submit changes, additions, deletions wording for next revision. Submission is due 1/15/18.
 - Target FDIC to finalize.

H. **Pumps & Plumbing** –

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Member Company Attendance

[based on meeting registration/sign-in at meeting]

AMDOR, Inc.
C.E. Niehoff & Company
Cummins Inc. - Engines
Cummins Inc. – Generators
E-ONE, Inc.
Elkhart Brass Mfg. Co., Inc.
Fire Research Corporation
Fort Garry Fire Trucks
H.O. Bostrom Company, Inc.
HAAS Alert
Hansen International, Inc.
Hendrickson
HiViz LED Lighting
IMMI
Midwest Fire Equipment & Repair Company
Navistar/International Truck & Engine
Performance Advantage Company
Pierce Manufacturing, Inc.
Pro Poly of America, Inc.
RealWheels Corporation Inc.
ROM Corporation
Rosenbauer America, LLC
Smart Power Systems
Smeal Fire Apparatus Co.
Sutphen Corporation
The Will-Burt Company
Trident Emergency Products, LLC
Valor First Responder Seating
W.S. Darley & Company
Ward Diesel Filter Systems
Waterous Company
Whelen Engineering Co., Inc.