



FIRE APPARATUS MANUFACTURERS' ASSOCIATION

P.O. Box 397 · Lynnfield, MA 01940-0397 · Phone/Fax 781.334.2911

MINUTES
FIRE APPARATUS MANUFACTURERS' ASSOCIATION
TECHNICAL COMMITTEE MEETING
AUGUST 2, 2012
COLORADO CONVENTION CENTER - DENVER, COLORADO

Member Meeting Co-Sponsors:



[2:30 pm – Refreshments]

Call to Order – by Co-Chair David Durstine at 3:00 pm.

Proof of Notice – Notice of this meeting was provided to all Technical Committee representatives and FAMA members on June 5, 2012, via email.

Roll Call – A quorum was declared with 42 member companies answering the call. First-time attendees and new members were acknowledged and welcomed.

Review/Enter Minutes – After discussion and upon motion duly made and seconded, it was:
VOTED: That the minutes of the April 19, 2012 Technical Committee Meeting (Indianapolis, IN) be entered into the records of the association.

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.

Welcome & Update – Vice President Harold Boer welcomed all in attendance. He thanked Mr. Roger Lackore and his teams for their efforts on the Safety Sign initiative and other projects underway. He also acknowledged the Waterous Company and ROM Corporation for their generosity in sponsoring this meeting. Attendees were reminded to register for the Fall Membership Meeting in Glendale, AZ in September; an outline of the events and presentations scheduled was shared.

EPA Engine Change Update – Mr. Wes Chestnut summarized recent EPA meetings and communications. Awaiting publication of the Federal Register to see if the EPA took into consideration our request to better define an emergency vehicle.

Fire Apparatus Safety Sign Standardization Update – Mr. Lackore reported on the efforts of this ad hoc committee that is working to standardize signage on fire apparatus and identify hazards; they are also developing according to ANSI standards and select export signs for export trucks. The plan is to publish the document by the FDIC in April 2013.



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ULC Standards Changes – Mr. Jeff Aiken provided a presentation on ULC's S515-12 version that is being aligned with NFPA 1901-2009. He noted that ULC has permission to use NFPA 1901 to align it closely but cannot copy it. Further, he outlined differences, new chapters such as 18 (not comparable with 1901 on industrial pumps), among others. Biggest rewrite was in testing requirements on aerial devices. The hope is to have this released by the end of 2012. See www.ul.com/canada/eng/pages/ulcstandards/standardsactivities/publicreview/.

Phillip L. Turner Scholarship Award Presentation – Ms. Tammy Laridaen, co-chair of the Education Committee reported that students from four different colleges submitted a record number of 14 applications for the 2012 FAMA scholarship. The Education Committee's charge is to review all applications and determine who is most deserving of this one-time \$5,000 scholarship based on criteria governing the program. The committee recommended, and the Board ratified, the decision to name Kenneth Hamburger from the University of Maryland, College Park, as this year's recipient. Ms. Laridaen noted that Kenneth has strong interests in firefighting equipment, and that he seriously considering a career in that field. As a prelude to this, in his capacity as a lieutenant, he has been involved in the design and in-servicing of two major pieces of fire department apparatus.

Kenneth Hamburger is currently a senior at the University of Maryland enrolled in a 5-year combined bachelor-master's degree program in the field of fire protection engineering. He will complete his master's degree portion of the program this fall. Although he could not be here today to accept the award, he wanted to thank FAMA and Akron Brass for their generosity.

Akron Brass officials Tom Hudak, Dave Durstine, Tim Van Fleet were acknowledged for their support of the scholarship program and their generosity. Since the FAMA scholarship was initiated in 1988 it has awarded over \$85,000. Akron Brass has sponsored the award since 2009.

Technical Committee Web Portal – This project is progressing well. It is designed to provide an easy form of communication for subcommittees outside the two meetings each year. Subcommittee chairs have been asked to supply certain information; an invitation will be sent by the chairs to representatives signed onto the subcommittees to join a particular portal. "Basecamp" is the software being utilized for this project and will allow for the posting of documents; mark up/sharing documents for others to download; intent is that while working within a subcommittee, one can communicate with all those in the subcommittee; it will provide centrally located documentation and general information, and is password protected. Each subcommittee will have its own task center and then a general area. Only those invited may participate.

FAMA "Forum" – This is a monthly technical column for the publication of articles submitted by Technical subcommittees. The Tech-Ed subcommittee will work with subcommittee chairs to develop a schedule to help educate the fire service about FAMA and changes in the industry.

Further Old Business – none.

New Business

August Technical Committee Meeting – Discussion: is FRI the right venue to hold a meeting or should the Technical Committee be looking at an alternate meeting date and time? Suggestions: tour a manufacturing facility, or host a lunch with meeting to follow. Co-Chairs will explore.



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Subcommittee Breakouts

Chairs/moderators include:

Aerial/Quint – Jim Salmi
Ambulance – Steve Rowland
ARFF – David Durstine
Body – Mike Moore
Chassis – Roger Lackore
Electrical – Peter Sremac
Foam – Mike Dupay
Pumps & Plumbing – Doug Miller

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 4:19 p.m.

A true copy, attest:

Karen H. Burnham
Recording Secretary

Attachments:

Roll Call / Attendance Sheet
Sign-in Sheets
Subcommittee Notes



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FAMA Technical Committee Meeting

August 2, 2012

Attendance / Roll Call

Akron Brass Co.
Alexis Fire Equipment Co.
Allison Transmission
Aluminum Ladder
AMDOR, Inc.
Boise Mobile Equipment
Bostrom (HO) Company
C.E. Niehoff & Co.
C.E.T. Fire Pumps Mfg.
Cummins Inc.
Danko Emergency Equipment Co.
Detroit Diesel Corp.
E-ONE
Eagle Compressors, Inc.
E.J. Metals
Elkhart Brass Mfg. Co.
Fire Research Corp.
FoamPro
Fort Garry Fire Trucks
Hansen International Inc.
HMA LLC
Intec Video Systems Inc.
Kusssmaul Electronics
MaxxForce Engines
Meritor
Oshkosh Corporation
Pierce Manufacturing
Pro Poly of America
ROM Corporation
Rosenbauer America
Seats, Inc.
Smeal Fire Apparatus Co.
Spartan ERV
Spartan Motors
Sutphen Corporation
SVI Trucks
Task Force Tips
Telma Retarder
W.S. Darley & Co.
Waterous Company
Whelen Engineering

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Colorado Convention Center, Denver, CO
Room 601

FAMA Technical Committee Meeting
Attendance / Sign-In

August 2, 2012

Subcommittee	Name	Company	Telephone	Email
1	Jim Juneau	FAMA LEGAL	972/523-1011	JJUNEAU@JUNEAUROLL.COM
2	Joel Aiken	PIERCE	920/205-1114	JAIKEN@PIERCEMFG.COM
3	Rouger Lacroix	OSHKOSH	920 237 4237	RBLACKOPE@OSHKOSH.CORP.COM
4	Bruce Whittehouse	AMDOA	205 383 6745	bruce@amdoa.com
5	Mike Smyth	MERITOR	502-253-0095	Michael.Smyth@mcnicols.com
6	Dan Kreikemeier	DANKO	402-568-2200	DAN@DANKO.NET
7	Bruce Kreikemeier	DANKO	402-568-2200	BRUCE@DANKO.NET
8	John Engler	TELMA	847-709-5073	JOHN.ENGLER@TELMA.COM
9	Bill Carroll	HMA Fire	352 598-5221	billc@hmagfire.com
10	Brian Chabot	DETROIT DIESEL	313-592-7670	BRIAN.CHABOT@DAIMLER.COM
11	Bob Sorenson	SU TRUCKS	970-297-7001	BOB@SU-TRUCKS.COM
12	Mike Bodnar	Hanson Intl.	484-264-7153	BobnarM@hansonintl.com
13	Mike Dupay	FoamPro	651-766-6321	Mike.Dupay@Pentair.com
14	Bob Hosfield	FoamPro	651-766-6411	Bob.Hosfield@Pentair.com
15	Chris FFA	CE	845-863-5026	Chris@Fire-pump.com
16	Ryan Jewellen	Cummins NPower	651-350-1125	Ryan.C.Jewellen@cummins.com
17	Dave Drechob	Cummins Inc	812-377-1819	david.drechob@cummins.com
18	Jeremy Ball	ROM	816-318-8000	JeremyBall@RomCorp.com
19	Steve Torchton	ROM	816-318-8000	SteveTorchton@RomCorp.com
20	Larry Hannah	R.O.M	816-318-8000	LarryHannah@RomCorp.com
21	Tim Van Fleet	Axon Blers	309 303 6470	tim.van.fleet@akrntbress.com
22	Dan Reese	ALEXIS FIVE	309-482-6121	danc@alexisfive.com
23	Paul Boston	H.O. Boston	262-391-5465	paul.boston@hoboston.com
24	James Quinn	ES METALS, INC	920-779-9913	KEVINJ@ESMETALS.COM
25	Jim Gaven	SUTPHEN	614-846-1262	jim.gaven@sutphen.com
26	Matt Stocker	BOISE MOBILE EQUIPMENT	208.938.1444	MSTOCKER@BOMETIRE.COM
27	Math LaFie	Allison Transmission, Inc.	574-654-4036	matlafie@allisontransmission.com
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Colorado Convention Center, Denver, CO
Room 601

FAMA Technical Committee Meeting
Attendance / Sign-In

August 2, 2012

Subcommittee	Name	Company	Telephone	Email
1 Body	KAREL MITER MELETE	Humana Center	800 752-2526	KAREL.MELETE@firemaier.com
2 Electrical	DINO NAMA	INTEL VIDEO SYSTEMS	949-859-3800	dino@intecvideo.com
3 Electrical	JOH MENO	FIRE RESEARCH	631-724-8888	john@firesearch.com
4 Chassis	Richard Fix	FIRE RESEARCH	989-430-7851	rfix@firesearch.com
5 Chassis	RAY BELL	FIRE RESEARCH	954-214-4580	RBELL@FIRESEARCH.COM
6 ELECTRICAL	PAUL DEMING	WHELEN	317-797-6599	pdeming@whelen.com
7 Ambulance	Brianna-Adams	H.O. Boston	262-542-0222	briannaadams@hoboston.com
8 Chassis	Bev Lowery	H.O. Boston	262-542-0222	bevlwery@hoboston.com
9 ELECTRICAL	THOMAS NUGENT	KUSSMAUL ELECTRONICS	631-567-0314	NUGENT@KUSSMAUL.COM
10 Chassis	Tammy Lariden	911 Seats Incorporated	608 524 8261	tlariden@seatsinc.com
11 ELECTRICAL	GEORGE DUMLAO	CE NIETOFF: CO	224 722-7211	gdumla@cenietoff.com
12 ELECTRICAL	RETE SEEMAL	CE NIETOFF: CO	847 866 1536	rsremac@cenietoff.com
13 Body	Will Pilcher	Fuchs Bros.	770 906 0619	wpilcher@fuchsbro.com
14 Body	Dan McLean	Pierce	941 521 4901	dmclean@pierceinc.com
15	SCOTT WARBITION	ELKHART BRASS	574-584-4334	SWARB@ELKHARTBRASS.COM
16	Eric Combs	ELKHART BRASS	574-536-0887	ECOMBS@ELKHARTBRASS.COM
17	DAVID COLE	Horton	319 423-1229	DAVE.COLE@HortonsAmbulance.com
18 Chassis	Wesley D. Chestnut	Spartan Motors, Inc.	577-543-6400	Wes.Chestnut@spartanmotors.com
19 Chassis	MARK BARTLETT	SPARTAN CHASSIS INC	517-231-2679	MARK.BARTLETT@SPARTANCHASSIS.COM
20 Body	Mark Kretzke	Banks Emergency Equip.	402-568-2200	mark@banko.net
21 Foam	Joel Konecky	Smeal Fire Apparatus	402-568-2985	Joel.K@Smeal.com
22 Body	Kevin Kendrick	Smeal Fire Apparatus	402-568-2981	Kevin@Smeal.com
23	Michael Semerel	Banks Emergency Equip	(402) 750-4697	mike@banko.net
24	Jeff Hunte	Smeal	402 568-2224	jh@Smeal.com
25	KEN CRESE	SUTHERN CORP.	614 889-1005	KEN.CRESE@SUTHERNCORP.COM
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Subcommittee	Name	Company	Telephone	Email
1 electrical	DANNON LEWIS	Code 3	913 940-6877	dllewis@code3pse.com
2 electrical	PAT HESTER	CODE 3	262-707-5188	PHHester@code3pse.com
3 Chassis	HARRY BERENICE	SPARTAN IERV	208-608-5286	harryberenice@spartanerv.com
4 Aerial	Jim Salmi	SPARTAN ERV	605-582-4081	Jim.Salmi@spartanerv.com
5 Pump	Doug Kelley	KME	570-669-5928	dikelley@kovatch.com
6 Chassis	JASON DAVIS	KME	570-669-5147	jason.davis@kovatch.com
7 Chassis	Jim Ham	NAVISTAR	860-414-1860	Jim.ham@navistar.com
8 Pump	Paul Darden	NAVISTAR	708-273-6920	Paul.Darden@Carter.com
9 Pump	JASON DARTLEY	Dartley	715-456-9390	Jason.Dartley@Dartley.com
10 Body	Peter Darden	Dartley	708-315-8050	peter.darden@dartley.com
11 Aerial	Brandon Whitaker	Rosenbauer	612-741-0720	BrandonWhitaker@rosenbaueramerica.com
12 Chassis	Tim Johnson	Rosenbauer	470-231-6145	timj@rosenbauer-america.com
13 Ambulance	STEVE ROWLAND	Pierce Mfg.	941-812-1618	srowland@piercemfg.com
14 Pumps	Mike Swaitzer	Pierce MFG.	941-812-5197	mswaitzer@piercemfg.com
15 Chassis	Jeff Park	Pierce Mfg.	920-750-8517	JPARK@PERCEMFG.COM
16 Chassis	LISA BARKWICK	Pierce Mfg.	920-279-7739	lbarkwick@piercemfg.com
17 Aerial	Greg Hollinger	Pierce Mfg.	920-882-3174	g.hollinger@piercemfg.com
18 Pump	Chad Trinker	Pierce Mfg.	920-832-3407	ctrinker@piercemfg.com
19 Pump	Steve Toren	WATERDUS	651-450-5038	sttoren@waterdusco.com
20 Pump	Tom Mettler	Waterdus Co	651-450-5053	timmettler@waterdusco.com
21 Pump	Jason Nawrocki	Waterdus Co	651-450-5287	jmnawrocki@waterdusco.com
22 Body	Rick Suchl	F-GT	704-544-3470	vsuchl@fyft.ca
23 Body	Tim Dean	PBO Poly	352-629-1414	Time@pboynetics.com
24 Pump & Plumbing	Doug Milner	TASK FORCE TFS/NO	219-548-1053	DDM@TFT.COM
25 BODY	DALE KATZ	E-ONE	352-861-2238	DKATZ@E-ONE.COM
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**FAMA Technical Committee Meeting
Subcommittee Breakout Notes
Denver, Colorado
August 2, 2012**

AERIAL/QUINT

12 in attendance

Reviewed that NFPA 1901 cycle now in 2015 to align with wildland document

Public comments are opening soon

Reviewed ULC S515 standard differences to NFPA 1901 with regard to envelope control systems and testing

Formed a sub committee in response to Kilgore, TX accident (Jeff Aiken, Jim Salmi, Chip Goodson) to discuss:

1. Platform door latch
2. Platform hand rail loadings

James A. Salmi

AMBULANCE

ARFF

Five members were present. Some basis discussion was held in regards EPA's Direct Final Rule to Tier 4 Engines (Off Road) and the recent changes for Emergency Vehicles. No other topics were discussed in detail from the agenda.

Grady North

BODY

CHASSIS

(by: Roger Lackore)

2007 and 2010 Engine Emissions and the EPA

Lackore handed out a consolidation of the surveys that came back from the South East Association of Fire Chiefs. There were 127 responses in all.

The team discussed how there are no definite trends that can be gleaned. There is also a mix between custom apparatus and commercial, including small Fords and Chevrolets.

The consensus is that this is too much to tackle all together. We will begin by attempting to develop a trouble-shooting guideline for custom apparatus. There will be a full day meeting on September 27th in conjunction with the FAMA fall meeting in Glendale Arizona. At least one well-informed representative from each of the custom chassis OEMs and the engine OEMs should attend. Prior to the meeting, participants should follow up on each of the relevant survey results and be prepared to provide details on their portion of the trouble-shooting guide.

Tim Johnson has volunteered to coordinate the meeting and provide Karen with attendees so we can book an appropriate room.

NFPA 1981 – SCBA Bottle Holder Initiative

Update on progress to influence NFPA 1981 committee to accommodate SCBA holders in their standard - Mike Adams was unable to attend and there was no Report.

Heavy Vehicle Fuel Identification Initiative

Roger Lackore handed out draft symbols intended to alert first responders of the type of fuel used by hybrid or alternative fuel trucks. Comments are welcome prior to the first meeting scheduled at TMC Sept 10 in Pittsburgh

NHTSA ESC Proposed Rulemaking

Roger Lackore submitted comments to NHTSA from FAMA requesting an exemption for

ELECTRICAL

Attendees:	Pete Sremac	C.E. Niehoff & Co.	psremac@ceniehoff.com
	Dan Reese	Alexis	danr@alexisfire.com
	Paul Deming	Whelen	pdeming@whelen.com
	Pat Hester	Code 3	pjhester@code3pse.com
	Toh Meng	FRC	toh@fireresearch.com
	Tom Nugent	Kussmaul	nugent@kussmaul.com
	George Dumlao	C.E. Niehoff & Co.	g dumlao@ceniehoff.com

Overview:

The main topic of discussion was code lights and how bright was too bright. This was topic we discussed at our last meeting in Indianapolis; Pat Hester mentioned that there are FMVSS standards that pertain to the minimum brightness but not maximum. The concern is that motorists can be blinded approaching an active emergency scene and that can cause a hazard to responders, motorists and pedestrians in and around the work area.

More research needs to take place and input gathered before the committee can forward a recommendation.

Pete Sremac

FOAM

The following were in attendance:

Mike Dupay – FoamPro

Bob Hosfield – FoamPro

Steve Toren – Waterous

Jason Nawrocki – Waterous

Peter Darley – Darley

Joel Konecky – Smeal

Chris Efta – CET

Annex Material regarding foam tank refill systems

The group agreed to recommend wording listed in the second option listed in the FAMA Agenda topics.

“Slip and fall potential exist on and around fire apparatus that pose a safety hazard to fire personnel, This includes the process of manually refilling concentrate reservoir tanks with fill towers located on the top of apparatus. To increase firefighter safety, use of a concentrate reservoir refill system should be considered to replenish the cell from ground level.”

Regarding wording proposed for A.20.3.1, the group recommended a slight modification as follows:

Proportioning systems that introduce foam concentrate or other additives into the water pumping system have the potential to backflow solution into an external water source. Backflow prevention devices utilized in the water piping prior to the introduction of the water additive are designed to prevent such occurrences. Use of these devices may create additional friction loss in the system and should be used or installed following the proportioning system manufacture’s recommendations.

Mike Dupay

PUMPS & PLUMBING

FAMA Tech Meeting 8-2-2012, Denver, CO
Pump & Plumbing Subcommittee

Pump Configuration Education

Chad Trinkner to chair a group to create information for end users and apparatus sales reps to help understand the various pumps configurations in today's fire industry.

Media format to include: Magazine article, FDSOA symposium session topic (panel), and white paper.

FAMA Web site to retain finished materials for public access

Paul Darley will acquire quotes from end users on why a configuration was chosen

UHP Discussion

May be separate chapter in NFPA 1901/1906

Tom Mettler to take the lead on identifying the inputs and outputs required.

Draft document due date is October 1st

Final recommendations to be in place by FDIC Tech Meeting

Topics for FDSOA Symposium:

Can bus technology on fire apparatus and components (panel)

(Note: In meeting minutes add email addresses to everyone)

Attendees: 11 from 8 companies

Chad Trinkner (Co-Chair) ctrinkner@piercemfg.com

Doug Miller (Chair) drm@tft.com

Bill Carroll billc@hmafire.com

Doug Kelley dkelley@kovatch.com

Eric Combs ecombs@elkhartbrass.com

Jason Darley jasondarley@darley.com

Paul Darley pauldarley@darley.com

Tom Mettler tjmettler@waterousco.com

Mike Sweitzer msweitzer@piercemfg.com

Scott Warbritton swarbritton@elkhartbrass.com

Kevin Quinn kevinj@ejmetals.com

Doug Miller