

MINUTES FIRE APPARATUS MANUFACTURERS' ASSOCIATION TECHNICAL COMMITTEE MEETING APRIL 28, 2022 HYATT REGENCY INDIANAPOLIS COSMOPOLITAN BALLROOM, INDIANAPOLIS, IN

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

Call to Order – Ms. Melissa Dobbs, Technical Committee Co-Chair called the meeting to order at 7:31 a.m.

Proof of Notice – Notice of this meeting was provided to all Technical Committee representatives and FAMA members via email on March 23, 2022.

Roll Call – A quorum was declared with 54 member companies present at the start of the meeting. [See attendance and sign-in sheets attached to these minutes.]

A special welcome was provided to the First-Time Attendees of the meeting.

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.

Meeting Sponsors – The meeting sponsors were recognized for their support of the Committee and FAMA. The meeting sponsors were Cummins, SoundOff Signal, Sutphen, and Ziamatic Corporation. The Corporate Sponsor, Clarion Fire & Rescue, was also recognized for their support.

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

VOTED: That the minutes of the April 11, 2019, Technical Committee

Meeting (Indianapolis, IN) are approved to be entered into the

records of the association.

Welcome /Association Update – Mr. Oran McNabb, 2022 FAMA Board President, welcomed the FAMA member representatives to the meeting and provided a very brief update on the health of the Association and the focus of the 2022 Board of Directors.

Technical Committee Report – Mr. Lackore and Ms. Dobbs presented.

- A review of the Subcommittee Chairs was provided.
- A status report on the progress of the Buyer's Guide program was reviewed. The current drafts and pending documents by the responsible Subcommittees were covered.
- The 2023 FDSOA Apparatus Conference dates were announced, and the proposed FAMA presentation topics were presented.
- A list of proposed FAMA Forum Topics were presented for the Board of Directors Review.
- Seven new safety signs and a new graphical symbol for Engine Idle were presented.
- A review of the planned updates for the FAMA Apparatus Safety Guide was provided. Beyond coverage of several new safety topics, the updates include adding illustrations and a fresh cover design.
- The current FAMA representatives on seven NFPA Standards were reviewed.
- The NFPA Consolidation Process was reviewed. The names of the new Standards that are pertinent to FAMA are NFPA: 1900, 1910, 1550, and 1400.
- The DEF Sensor Guideline is now complete and posted on the FAMA website.
- FAMA has provided comments to NFPA 1900 on Electric Apparatus.
- The Service Guide covering Frame Corrosion Repair Guidelines is currently under Board review.

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- The Chassis Subcommittee is currently developing a Tire Life Guideline.
- CARB Engine Emissions 2024 FAMA's initiative to engage with nine states to determine if they will adopt the CARB emergency vehicle emissions exemption is pending.
- The AIMS Act (American Innovation and Manufacturing Act) was reviewed. The Act directs EPA to phase down the use of hydroflourocarbons (HFC).
- R134 and R-1234YF Air Conditioning Refrigerants were discussed. R-1234YF is the only practical
 option for fire apparatus but, an EPA application and approval is required for the use of YF. For
 the pending EPA application, confidential and anonymous AC leak warranty data needs to be
 gathered.
- The following are new initiatives being considered:
 - o EV Charging Infrastructure for Fire Stations Guide
 - o Clean Cab Guide
 - o NHTSA Fire Apparatus Recall Guide
 - o Engine Emissions & GHG Guide
 - o Buyer's Guide Videos
 - o Size and weight by state update

NPFA 1900 – Mr. Lackore and Mr. Massa presented a preliminary review of the pending 2024 revisions plans for NFPA 1900.

The attendees broke to meet as subcommittees at 8:35 AM. [Additional Subcommittee breakout session notes follow.]

New Business - none

Old Business - none

Next Meeting Notice – The next meeting of the Technical Committee Planning Meeting will be held at 6:00 PM MT on Tuesday, September 20, 2022, in conjunction with FEMSA/FAMA Annual/Fall Conference at the Hilton Salt Lake City Center in Salt Lake City, Utah.

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

<u>voted</u> :	10 aujourn at 8:35 a.m.	
		A true copy, attest:
		Sonva Kelly

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Subcommittee Breakout Session Reports:

- Aerial/Quint -
 - Suggested Apparatus Symposium Topics
 - Aerial Maintenance and Inspection
 - Basic Operations
 - Suggested FAMA Forum Article Topics
 - Educating End Users
 - Safety Checks for Aerial Operations
 - Apparatus Safety Guide Updates
 - Aerial Operation and Safety Checks
 - Is the subcommittee willing to support an Apparatus Symposium in the Fall of 2022?
 - No

Ambulance –

- Suggested Apparatus Symposium Topics
 - Electrical Vehicle Preventative Maintenance
 - Using Technology to Simplify Maintenance Operations
 - Benefits of Preventative Maintenance in Reducing Repair Costs
 - EVOC (Driver) Training
- Suggested FAMA Forum Article Topics
 - None
- Apparatus Safety Guide Updates
 - None
- Is the subcommittee willing to support an Apparatus Symposium in the Fall of 2022?
 - Yes

• ARFF –

- Suggested Apparatus Symposium Topics
 - FAA A/C 5220-10 F Update
 - IFSTA 7th Edition is being developed
 - NFPA ARFF Committee has completed the Public Comment Phase. The Committee's proposed amendments will be released soon in a Notice of Intent to Make a Motion (NITMAM).
- Suggested FAMA Forum Article Topics
 - Advisory Circular Update
- Apparatus Safety Guide Updates
 - None
- Is the subcommittee willing to support an Apparatus Symposium in the Fall of 2022?

Yes

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Bodv –

- Suggested Apparatus Symposium Topics
 - Corrosion prevention, after market (maintenance / service)
 - Electrification implications on the body of truck access points, disconnects, penetration into high voltage situations, other indicators.
 - How to make business case for maintenance to secure funds:
 - Hypothetical scenarios
 - Calculating "age" based on usage, actual age, geography, and implication on cost
 - Cost at end of life
 - EV Battery considerations, disposal, and replacement
- Suggested FAMA Forum Article Topics
 - How to make business case for maintenance to secure funds:
 - Hypothetical scenarios
 - Calculating "age" based on usage, actual age, geography, and implication on cost
 - Cost at end of life
 - EV Battery considerations, disposal, and replacement
- Apparatus Safety Guide Updates
 - None
- Is the subcommittee willing to support an Apparatus Symposium in the Fall of 2022?
 - Yes, but for Fall 2023
- Chassis No report available
- **Electrical** None
 - EV Charging Infrastructure for Fire Stations Guide
 - The group needs to understand the requirements in 1900/2024 for EV firetrucks.
 - Suggested Apparatus Symposium Topics
 - Battery Chemistry Low Voltage
 - Load Management
 - 1900 NFPA 2024 Overview
 - Suggested FAMA Forum Article Topics
 - Battery Chemistry Low Voltage
 - Load Management
 - 1900 NFPA 2024 Overview
 - Apparatus Safety Guide Updates
 - None
 - Is the subcommittee willing to support an Apparatus Symposium in the Fall of 2022?
 - No
- Foam -
 - Suggested Apparatus Symposium Topics
 - General overview on the types of Foam Systems
 - What to be aware of with F3 Foams

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- Suggested FAMA Forum Article Topics
 - How do you go about calibrating a foam system?
- Apparatus Safety Guide Updates
 - Individual sign for Class A Foam and Class B Foam for apparatus.
- Is the subcommittee willing to support an Apparatus Symposium in the Fall of 2022?
 - No answer

• Pumps & Plumbing -

- Suggested Apparatus Symposium Topics
 - Pump Ops Relays
 - Foam Systems
- Suggested FAMA Forum Article Topics
 - EV's and Pumps
- Apparatus Safety Guide Updates
 - None
- Is the subcommittee willing to support an Apparatus Symposium in the Fall of 2022?
 - No

Attachments:

Member Company Attendance Sign-In Sheets

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TECHNICAL COMMITTEE MEETING APRIL 28, 2022 HYATT REGENCY INDIANAPOLIS, COSMOPOLITAN BALLROOM INDIANAPOLIS, IN

Member Company Attendance

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

Akron Brass Company

AMDOR Inc.

Apparatus Equipment & Service, Inc.

Blue Sea Systems Inc.

Cummins Inc.

Custom Fire Apparatus, Inc.

 $Custom\ Truck\ \&\ Body\ Works,\ Inc.$

Danko Emergency Equipment, Co.

Darley

Elkhart Brass Mfg. Co., Inc.

E-ONE, Inc. EZ Trac AWD

Federal Signal Corporation

Fire Lion Global LLC

Fire Research Corporation

Fouts Bros., Inc. Golight, Inc.

H.O. Bostrom Company, Inc.

Hale Products, Inc. Harrison Hydra-Gen

Hendrickson

HiViz Lighting, Inc. HME Ahrens-Fox

IMMI

Kussmaul Electronics Co.

Link Suspensions of Canada LP

Marion Body Works, Inc.

Maxi-Metal, Inc.

Michelin North America

OFAB Inc.

Pierce Manufacturing, Inc. Pro Poly of America, Inc.

PyroUHP

RealWheels Corporation

Rescue 1

Rosenbauer America, LLC

Safetek Emergency Vehicles Ltd. Seagrave Fire Apparatus LLC

Seats. Inc.

Skeeter Brush Trucks, LLC

Smart Power Systems

SoundOff Signal

Spartan Emergency Response

Sutphen Corporation Task Force Tips, Inc.

Trident Emergency Products, LLC United Plastic Fabricating, Inc.

United Safety & Survivability Corporation

US Fire Pump Company Ward Diesel Filter Systems

Waterous Company

Whelen Engineering Co., Inc.

Williams Fire & Hazard Control, Inc.

Ziamatic Corp.

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