

# FAMA Technical Committee Sponsors – Fall 2014







# OPENING

- Call to Order – **Damon Lewis**
- Proof of Notice of Meeting – **Damon Lewis**
- Roll Call/Quorum Declaration – **Damon Lewis**
- First-Time Attendees – **Damon Lewis**
- Approve Minutes from FDIC – **Damon Lewis**
- Antitrust Guidelines and Non-Discrimination Policy – **Jim Juneau**
- Association Update – **Bruce Whitehouse**
- Member Sponsor Recognition – **Damon Lewis**



# Call to Order

- **Damon Lewis**
- “I to hereby call this meeting of the FAMA technical committee to order.”





# Proof of Notice of Meeting

- **Damon Lewis**
- “Meeting notice was provided to members on June 27, 2014 via email and posting to the FAMA website events calendar.”



The screenshot shows the homepage of the Fire Apparatus Manufacturers' Association (FAMA). The header features the FAMA logo (a red Maltese cross with 'FAMA' in the center, surrounded by 'PROGRESS', 'RESEARCH', 'SAFETY', and 'SERVICE') and a login section with fields for 'Members: username...' and a password field, along with a 'Login' button and a 'Forgot Password?' link. Below the header is a navigation bar with links: HOME, CALENDAR, BUYER'S GUIDE, ABOUT FAMA, RESOURCES, NEWS, and CONTACT. The main content area is titled 'Upcoming Events' and contains a table listing upcoming events.

Event	Start Date	End Date	Location
IAFC Fire Rescue International	August 13, 2014	August 16, 2014	Dallas, TX
FAMA Technical Committee Meeting	August 14, 2014	August 14, 2014	Dallas, TX
Continuing Challenge HazMat Conference	September 2, 2014	September 5, 2014	Sacramento, CA



# Roll Call



- **Damon Lewis**
- “The roll has been tallied at the entrance to the meeting.”
- “Do we have a quorum?”
- “I Declare this meeting to have a quorum of at least 25% of member companies present and that business can therefore be conducted.”



# First Time Attendees

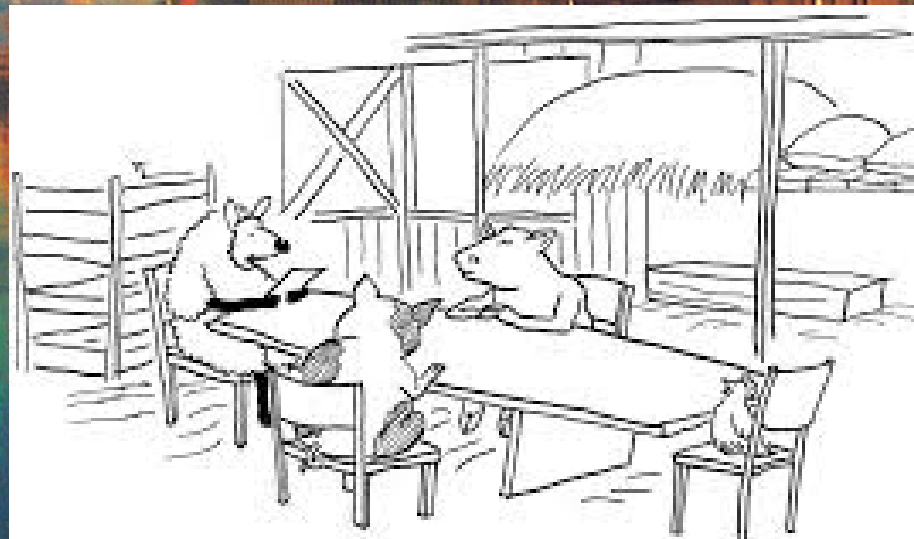
- Damon Lewis





# Meeting Minutes

- **Damon Lewis**
- “Minutes from the April 10, 2014 Technical Committee meeting were attached to the registration email for this meeting on July 28, 2014.”
- **Motion to Approve**

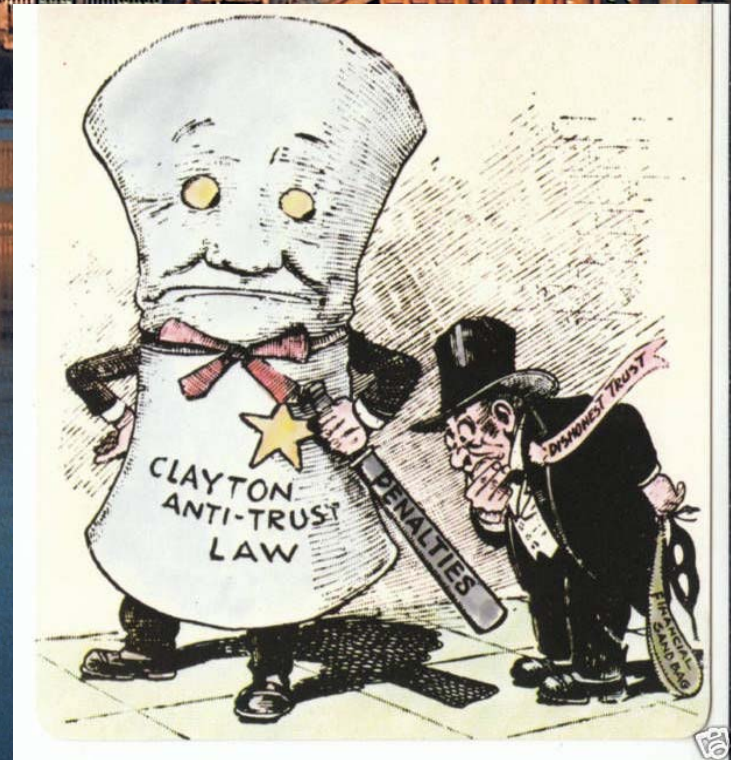


The cow mooed, the pig oinked,  
the chicken clucked, I bleated, end of meeting.”



# Anti-Trust Guidelines

- Jim Juneau





# Association Update

- **Bruce Whitehouse – FAMA President**





# Meeting Sponsors





# FAMA Tech Initiatives

Roger Lackore

- NFPA 1901/1906 Highlights
- Safety Sign Additions for NFPA 1906
- NIOSH Studies
- NFPA 1500 Public Comment Stage
- Guidance Document Process Plan



# NFPA 1901/1906

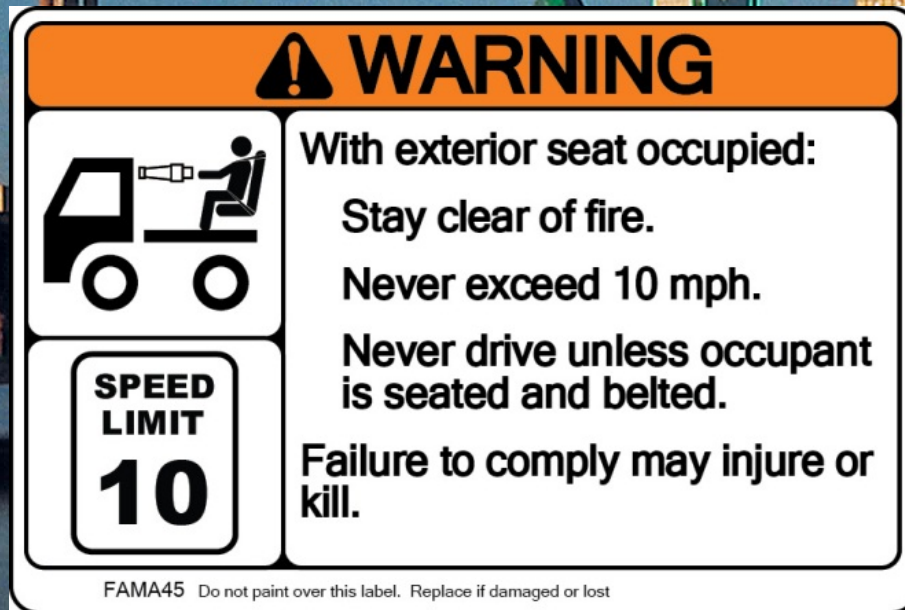
- Highlights





# FAMA Safety Sign Additions

## NFPA 1906



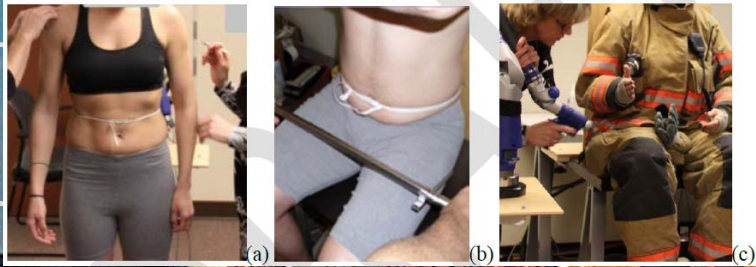
**Visible to Driver**



**Visible to Pump  
and Roll Position**



# NIOSH Fire Fighter Anthropometric Study



	NIOSH Suggested		NFPA Current
	mm	in	in
Seat Pan Width	498	19.6	18
Seat Pan Depth	404	15.9	15
Knee Clearance	909	35.8	NA
Seat Back Width (min)	429	16.9	18
Seat Back Width (max)	663	26.1	18
Seat Back Height	542	21.3	NA
Head Restraint Height	781	30.7	NA
Head Clearance (from seat pan)	987	38.9	38
Seat Space Hip	678	26.7	22
Seat Space Shoulder	796	31.3	22



# Respond to NIOSH Fire Fighter Anthropometric Study

- FAMA Apparatus Specification Guide: Seating space optimization options
  - 3-Across Forward Facing
  - Rear facing angled seats
  - Crew seats moved inboard
  - Cab forward design
  - Cab raised or engine lowered design
  - Wider cab design
  - Raised roofs





# NIOSH Future Study Plans

- **Apparatus Vehicle Simulation**

- Apparatus with different size water tanks and different vertical centers of gravity.
- Sensitivity of apparatus to roll-over hazards.



- **Climbing Safety**

- Ladder safety while ascending and descending.





# NFPA 1500

- **FAMA Representatives**
  - Member: Roger Lackore
  - Alternate: Wes Chestnut - Applied
- **Fire service–related occupational safety and health program.**
- **Current edition 2013**
- **2017 Revision Cycle**
- **Currently open for public comment**



# Fire Apparatus Safety Guide

- Accepting suggestions for revisions/additions.
- Approve changes at the FAMA fall meeting.





# FAMA Forum Articles



**Dan Veselsky**  
**Lisa Barwick**

## May 2014 FAMA Forum

Internal or External? That Is the Question  
05/13/2014



By Doug Miller  
OEM Product Manager  
Midwest Regional OEM Manager  
Task Force Tips, Inc.

During the past several years, shrinking budgets have forced many fire departments to reconsider how they do business. Every expenditure is viewed under a microscope to make every dollar count and spend limited funds wisely.

Too many departments have had to delay purchasing much-needed apparatus during this time. This can only be put off for so long as aging apparatus may pile up huge repair bills, not be as safe as they should be, or not be the proper tools for the changing mission of your department. If this sounds like your department, then apparatus replacement should be one of the top line items in your budget. But, will you replace an old, worn out pumper with something that has nearly the same layout? [Read More.](#)

*This article originally appeared in Fire Apparatus & Emergency Equipment, May, 2014.*

Due Date	Publication Month	Author	Company	Topic	Editorial Schedule	Sub Committee	Author Status
05-Nov-14	Jan	Roger Lackore	Oshkosh Corp	Safe Apparatus Access Methods	Protecting the Firefighter	Any	Complete
05-Dec-14	Feb	Bill Proft	Pierce	Rescue Design	Rescue - Technical	Body	Complete
05-Jan-14	Mar	Paul Bostrom	H.O. Bostrom	NIOSH Seating	Engine Company	Any	Complete
05-Feb-14	Apr	Roger Lackore	Oshkosh Corp	Aerial Safety - Engineer's Perspective	Truck Company	Aerial Quint	Complete
05-Mar-14	May	Doug Miller	TFT	Pump Selection Guide	Moving Water	Pumps Plumbing	Complete
05-Apr-14	June	Jim Chinni Marius Magdun	IMMI	Air Bags	Apparatus Components	Chassis	Complete
05-May-14	July	Neal Brooks	Darley	Foam Topic	Foam/Wildland	Foam	Complete
05-Jun-14	Aug	Roger Lackore	Oshkosh Corp	FAMA Safety Guide	Rescue - Extrication	Any	Complete
05-Jul-14	Sep	Grady North	E-One	ARFF Firefighting Agents	Hazmat/Industrial/ARFF	ARFF	Complete
05-Aug-14	Oct	Wes Chestnut	Spartan	Camera Systems	Technology Developments	Chassis	Complete
05-Sep-14	Nov	Chris Haag	IMMI	Side facing seats in ambulances	EMS/Ambulances	Ambulance	Committed
05-Oct-14	Dec	Paul Darley	Darley	Fire Service Forecast	2014 Fire Service Forecast	Statistics	Committed



# NHTSA Fire Apparatus Recall Policy



## Recalls & Defects



### Improving Safety On Our Highways

NHTSA encourages complaints from vehicle owners and drivers, conducts defect investigations and administers safety recalls to support its mission to improve safety on our nation's highways.

- Problem:
  - NHTSA does not provide clear guidance on what aspects of vocational trucks should be subject to recall.
  - Fire apparatus manufacturers are inconsistent in their approach.
- Solution
  - Draft Guidance document has been created.
  - Next step to circulate and develop further



A nighttime photograph of the Orlando skyline, featuring the Orlando Tower on the left and various skyscrapers in the center. The city lights are reflected in the water in the foreground, and a bridge is visible on the right.

# **FDSOA Apparatus Symposium**

**Save the Date**  
**Jan 18-20 2015**  
**Orlando**



# Fire Apparatus Specification Guide

- **Topics to Cover**
  - Purchasing process
  - Specification creation
  - NFPA 1901/1906
  - Safety Options beyond NFPA
  - Tools for apparatus specing (weight and cube, NFPA spreadsheet, Annex B, Pump Selection Guide, etc...
  - When to replace or refurbish (annex D)



# Phillip L. Turner Scholarship Award

- Tim Van Fleet
- David Durstine

*Gary Dominguez*



**AKRON**  
BRASS COMPANY





# Technical Committee Leadership

## Co-Chairs

Roger Lackore  
Damon Lewis

## Aerial/Quint

Reed Wissler  
John Brady

## Body

Mike Lemieux  
Mark Meaders

## Foam

Gregg Geske  
Mike Dupay

## ARFF

Marty Huffman  
Sarah Peck

## Chassis

Tim Johnson  
Wes Chestnut

## Pumps & Plumbing

Doug Miller  
Chad Trinkner

## Ambulance

Steve Rowland  
Mike Franckowiak

## Electrical

John Doperalski  
Peter Luhrs

## Tech Ed

Dan Veselsky  
Lisa Barwick



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