

NASEMSO SPRING MEETING

APRIL 5 2016

THE PERILS OF AMBULANCE MANUFACTURING

**CRITICAL ISSUES EVERY STATE EMS
DIRECTOR NEEDS TO UNDERSTAND.**

DO VARIOUS STANDARDS COST MANUFACTURERS MORE TO:

- Order
 - Test
 - Build
 - Inspect
-

PRODUCTION FLOOR



MANUFACTURING



NUMBER OF AMBULANCES SOLD

- **AMD 2015**
- **FIRST SIX MO. DOMESTIC 3380**
 - **ESTIMATED YEAR 6100**

- **AMD 2014**
- **TOTAL DOMESTIC 5738**

- **AMD 2013**
- **TOTAL DOMESTIC 5884**

TESTING OF AN AMBULANCE

- The Issues and Cost Associated With Different Standards That Do Not Overlap
 - Manufacturer
 - Consumer
-

WHEN AMBULANCES CRASH

EMS Provider & Patient Safety

DATA COLLECTED BETWEEN 1999-2011



4,500

vehicle traffic crashes involving an ambulance per year

34%

resulted in an injury/injuries

33

people killed per year



Injury Severity and Use of Safety Restraints in EMS Providers*



84%

OF EMS PROVIDERS IN THE PATIENT COMPARTMENT



WERE NOT RESTRAINED

ONLY 33%

OF PATIENTS

WERE SECURED

WITH SHOULDER AND LAP RESTRAINTS

44% of patients were ejected from the cot in serious crashes*

61% restrained with lateral belts only*

38% shoulder harnesses were available but were not used*

*IN SERIOUS CRASHES INVESTIGATED BY NHTSA



SIT DOWN & BUCKLE UP!

Secure Your Patients. They Rely on You!

This safety message brought to you by NHTSA's Office of EMS.



THE CONCERN



FRUSTRATION WHEN WE HAVE MULTIPLE STANDARDS

- **MORE ENERGY BY ALL PARTIES**
 - **SELL**
 - **BUILD**
 - **INSPECT**
 - **CERTIFY**
 - **MUST COMPLY WITH ALL STDS**
 - **MUST TEST TO ALL STDS**
 - **HIGHER COST TO:**
 - **CONSUMER**
 - **PRODUCTION**
 - **TIME & MATERIALS**
 - **RISK FOR ERROR**
-

**WHAT IS OUR
PURPOSE?**

**CAN YOU TRUST
THE PROCESS WE
HAVE TODAY?**

SHOULD WE FOLLOW OTHER INDUSTRIES?

- **BUS**



- **TRUCK**



CAN YOU TRUST THE PROCESS WE HAVE TODAY?

- **NTEA - AMD**
 - **NIOSH - NIST - NHTSA**
 - **SAE**
 - **KKK - NFPA - CAAS**
 - **NASEMSO**
 - **REASONABLE AND ACCEPTABLE**
-

TODAY – EMS IS MUCH MORE AWARE HAS THE LANDSCAPE OF EMS CHANGED?

- **WE KNOW MORE**
- **WE ARE BETTER FUNDED**
- **WE HAVE SCIENCE BEHIND US**
- **WE HAVE MADE CHANGES**
- **WE WILL CONTINUE TO MAKE CHANGES**
- **WE WILL IMPROVE SAFETY**
- **MORE PEOPLE WILL GO HOME TO THEIR FAMILIES EVERYDAY**

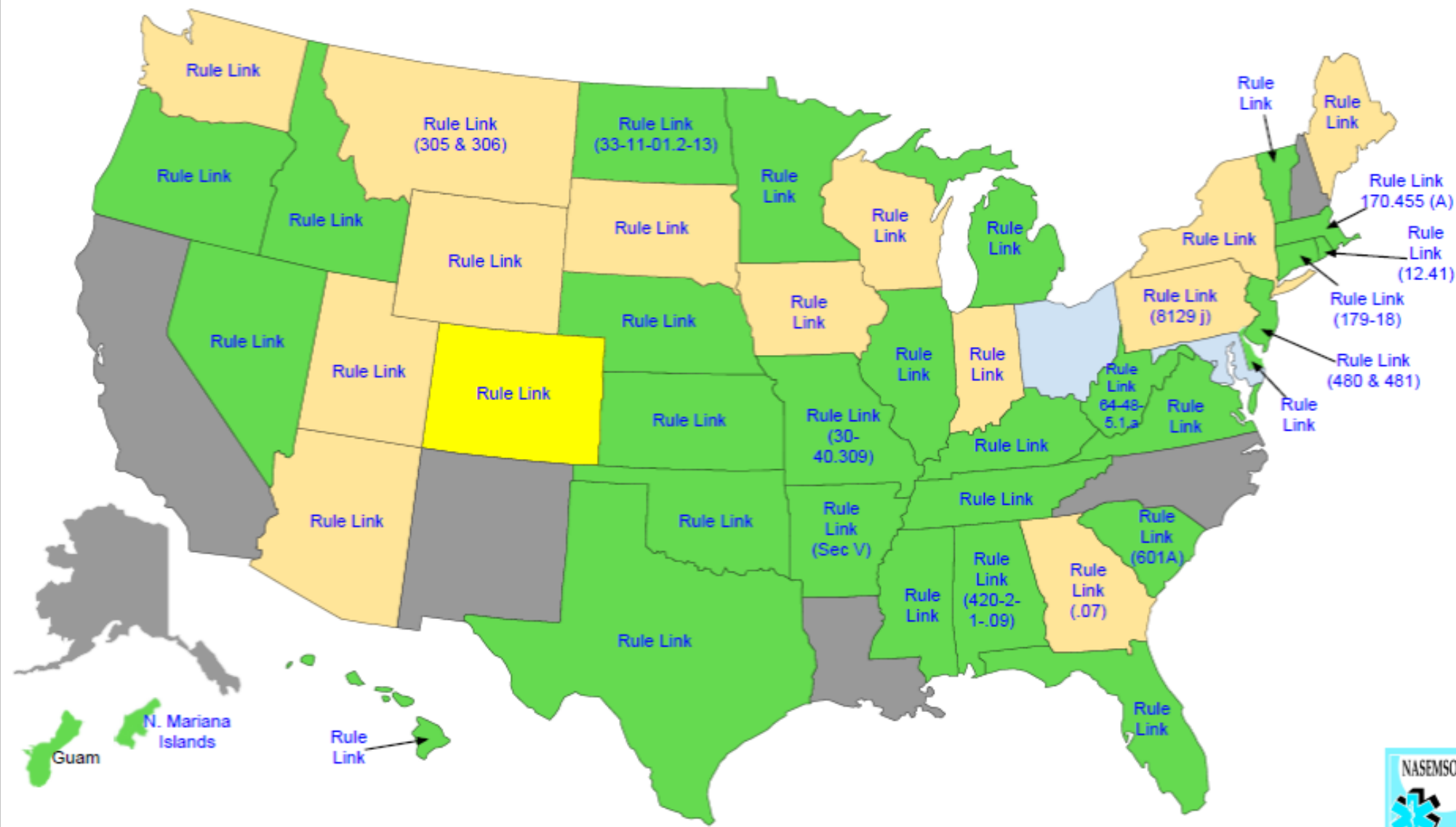
**WHAT IF WE COULD
ALL AGREE**

AND

**ALLOW THE FEDERAL
GOVERNMENT TO
SET THE STANDARD?**



Incorporation of GSA KKK Specifications



KKK Specs Incorporated in Whole or Part in Rule



KKK Specs in Policy



Other



Regulate Design, but not using KKK



No Design Regulation



Revised: 2/25/2013

STATE EMS OFFICIALS

- **INSPECTION**
A STANDARD TO INSPECT
 - **CONSIDER AT LEAST BY REGION**
-



OTHER THINGS TO CONSIDER



WHAT ELSE CAN EMS OFFICIALS DO TO IMPROVE THE INDUSTRY

OTHER

- **STANDARD OPERATING PROCEDURES**
 - **SAFE DRIVING / ANNUALLY**
 - **SAFER ENVIRONMENT – BELTS/HELMETS**
HOURS OF WORK/REFLECTIVE CLOTHING
BACKING/VEHICLE SAFETY CHECKS
 - **BETTER TRAINING / EMS ADMINISTRATORS**
 - **BETTER DOCUMENTATION / DATA**
-

THANK YOU

QUESTIONS?

**National Association of
State EMS Officials**



CONTACT INFO

- David Cole
 - Medix Specialty Vehicles
 - dave.cole@medixambulance.com
 - 574-266-0911
 - Randy Hanson
 - American Emergency Vehicles
 - randy.hanson@aev.com
 - 800-374-9749
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