National EMS Advisory Council

NHTSA Update

December 15, 2009
NEMSAC

Appointment
Re-appointment
Who we Are

- **Drew Dawson**, Director
- **Susan McHenry**, MS
  - NEMSIS, EMS Research, State Assessments
- **David Bryson**, EMT-B
  - Education, Ground Ambulance Safety
- **Gamunu Wijetunge**, NREMT-P, MPM
  - Workforce, Preparedness, Pandemic Flu
- **Laurie Flaherty**, RN, MS
  - 9-1-1, Technology
- **Cathy Gotschall**, ScD
  - Evidence-based practice guidelines, AACN
  - National EMS assessment
- **Cynthia McNair**
Who we Are

Hector Williams
- 9-1-1
- Workforce Data
- AACN

Vacant
- NEMSAC
- FICEMS

Public Health Fellows
Anthony Oliver, MPH

Student Intern
Overview of Federal Budget Process

Managing the Expectations
Fiscal Year 2010
October 1, 2009 - September 30, 2010

- President’s budget **request** is public information
- **Final** budget not yet adopted by Congress
  - Amounts in Omnibus Bill known
- Contracts and agreements now under development
  - Many will not be awarded until late in the fiscal year
  - Specifics are not public until awarded
Fiscal Year 2011
October 1, 2010 - September 30, 2011

- Department began budget development
  - Spring and Summer of 2009
  - Final Instructions from OMB in July, 2009

- Department budget to OMB - September 2009

- OMB “passed back” to agency – November, 2009

- President’s FY 11 budget to Congress by first Monday in February, 2010

- Congress deliberates budget
  - Sometimes not passed until the Fiscal Year has already started
Fiscal Year 2012
October 1, 2011 - September 30, 2012

Department begins budget development
– Spring and Summer of 2010
## FY 10 Budget
(As of 12/13/09)

<table>
<thead>
<tr>
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<th>FY 09 Actual</th>
<th>FY 10 Executive Budget</th>
<th>FY 10 Omnibus Bill</th>
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<tbody>
<tr>
<td>OEMS Operational Budget</td>
<td>$2.144M</td>
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<td>NEMSIS</td>
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<td>9-1-1</td>
<td>$1.25M</td>
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<td>911 Grant</td>
<td>$43.5M</td>
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Federal Budget Development

It doesn’t turn on a dime!!
EMERGENCY
MEDICAL
SERVICES

EDUCATION
AGENDA
FOR
THE
FUTURE:
A SYSTEMS
APPROACH
The EMS Education Agenda for the Future: A Systems Approach

The Universe of EMS Knowledge and Skills
- National EMS Core Content (Completed)
- National EMS Scope of Practice Model (Completed)
- National EMS Education Standards (Completed)
- National EMS Certification
- National EMS Education Program Accreditation
National Association of State EMS Officials (NASEMSO) is leading the coordinated effort

- Toolkit available at [www.nasemso.org](http://www.nasemso.org)
  - Education Gap Analysis Template
  - Frequently Asked Questions
  - Talking points
  - Other information

- Timetable (draft) available at [www.nasemso.org](http://www.nasemso.org)
- Educator Survey completed
Education Agenda Implementation

State “Report Cards”
- NASEMSO will provide dashboards for NEMSAC based on the annual DOTS surveys.

Publisher Materials
- Several publishers have done “rollouts” and new texts may be available as early as 2010.

Overall Implementation Status
- NASEMSO DOTS survey has been revised and results will be posted for 2009 soon.
Ground Ambulance Safety

- NIOSH 4-year project to improve GSA KKK, AMD and other standards.
  - Crash signature for Type I and III ambulances
  - Minimum strength standard for seating and seat mounts
  - Minimum strength standards for stretcher and mounts

- NFPA Ambulance Standards Development

- Safely Transporting Children in Ambulances project

- NHTSA and NIOSH Ambulance Crash Investigations

- NAEMSP Meeting, January 5-6, 2010
Workforce

EMS Workforce for the 21st Century
- www.emsworkforce.com
- EMS Workforce for the 21st Century: A National Assessment, (June 2008)
- EMS Workforce Agenda for the Future (2010)

Feasibility for an EMS Workforce Safety and Health Surveillance System, (June 2007)

EMS Workforce Data Definitions Project

EMS Workforce Injury and Illness Surveillance Program (EMS-WIISP)
- National Electronic Injury Surveillance System (NEISS)
- NIOSH pilot study
- Approved by OMB – will begin collected data soon
Preparedness

- Work with DHS
  - NIMS credentialing for EMS
  - Infrastructure Protection
  - Capabilities Assessment

- Work with HHS
  - ESF 8 – coordination and planning

- Participation in DHS/HHS Grants coordination Committee

- National Health Security Strategy
National Association of State EMS Officials
National Association of State EMS Officials

- Leadership Skills Workshop
- Monograph Series
- Communications and Preparedness Technical Assistance
- Model State EMS Plan and Evaluation Document
- Model State EMS Legislation
National EMS Information System

National Database to be housed at NCSA
Revision to NHTSA 3.0

The revision process began Spring 2008

- Lead by Greg Mears
  - Fix existing errors in the 2.2.1 dataset
  - Consider the additional of modules (e.g., workforce)
  - Facilitate national research (e.g., CDC triage scheme)

- Process will be more electronic
  - Wiki, teleconferences, involve vendors

- Product available in 2010
National EMS Information System

- 23 States submitting data to National EMS Database
- 7 million records submitted
- Version 3.0 under development
- Harmonizing with HL7 (Health Level 7) Standard Development Organization
- Collaborating with National Fire Incident Reporting System (NFIRS)

www.nemsis.org
EMS Research

Guide for Using the Exception from Informed Consent for Emergency Research

- To be published simultaneously in Prehospital Emergency Care and Academic Emergency Medicine

- FICEMS working on plan to disseminate to hospital Internal Review Boards
EMS Research Agenda

- National EMS Research Agenda -2002
- EMS Research Strategic Plan -2005
- EMS Research Ethics Conference -2007
- EMS Research Guide for IRB’s - 2010
- EMS Cost Analysis Project
Cost of EMS

- Developing EMS system cost analysis electronic template for use by local EMS systems
- Piloted template with three communities – Richmond, VA; Osh Cosh, WI; and Livingston County, NY
- Final publication in Annals of Emergency Medicine and final Toolkit available mid-2010
EMS Systems Configuration/Typology

Johns Hopkins Bloomberg School of Public Health

Initial Pilot with States in Atlantic EMS Council region

Now conducting analysis on national basis

Have administered interviews with all States & received local contact info from ~40 States
Collaboration with CDC

- Pandemic Influenza
- Trauma Field Triage Guidelines
- Automatic Advanced Crash Notification (AACN)
Advanced Automatic Crash Notification

AACN data can be used to predict injury severity, conveyed to EMS services and trauma centers, and integrated into the field triage process.

CDC and NHTSA
  – Working together
  – Team to estimate potential lives saved
Advanced Automatic Crash Notification

Additional information helpful to dispatch, response and triage to final destination

- Velocity change of vehicle
- Principle Direction of Force
- Seat belt usage
- Crash with multiple impacts
- Vehicle type
- Voice (GCS proxy)
AACN

Shows promise in improving outcomes in severely injured crash patients by:

– Predicting the likelihood of serious injury
– Decreasing response time
– Assisting with field triage decisions
– Decreasing time to trauma center
– Decreasing death and disability
RECOMMENDATIONS FROM THE EXPERT PANEL:

ADVANCED AUTOMATIC COLLISION NOTIFICATION AND TRIAGE OF THE INJURED PATIENT

—PREPARED BY THE—
CENTERS FOR DISEASE CONTROL AND PREVENTION,
NATIONAL CENTER FOR INJURY PREVENTION AND CONTROL, DIVISION OF INJURY RESPONSE

—WITH SUPPORT FROM—
ONSTAR, THE GENERAL MOTORS FOUNDATION, AND THE CDC FOUNDATION

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
Telematics

Combine and integrate directly into the vehicle’s electrical architecture
- Cellular technology
- GPS location capability
- Sophisticated voice recognition technology

Call center-based services
- Safety, security and peace of mind
- Routing and point of interest
One button hands-free calling (OnStar)

About 6.5 million subscribers
- Multiple languages
- TTY (OnStar)
Telematics Availability

**OnStar – 5.7 million**
- General Motors –
  - 50+ models
  - Standard 2008
- Lexus Link
- Ford SYNC
- “911 Assist”
- Integrated with personal cell phones
- Not embedded
- No call center
- No data currently

**ATX – nearly 1 Million**
- BMW (Assist)
- Mercedes (Teleaid)
- Maybach
- Rolls Royce
- Toyota/Lexus (Safety Connect)
National 9-1-1 Program

- 9-1-1 Grants to States/Territories
  - 30 grantees

- National NG9-1-1 Migration Plan: Report to Congress

- 9-1-1 Resource Center
  - Information Clearinghouse
  - Technical Assistance Center

- Model State 9-1-1 Plan

- NTSB Recommendation

- Coming: NG9-1-1 Standards Gap Analysis

- Coming: Model State 9-1-1 Legislation
Next Generation 9-1-1 Initiative

- Architecture to update basic infrastructure within 9-1-1 Public Safety Answering Point
- Proof of Concept demo
- Transition Plan
- Analysis of Cost, Value & Risk
- “What’s Next?” forum

http://www.its.dot.gov/ng911/index.htm
NEMSAC Recommendations

Brief Status Report