



**IMPLEMENTING THE EMS
EDUCATION AGENDA FOR THE
FUTURE: A SYSTEMS APPROACH**



The Next Step:

**Re – educating the licensed
EMSPs in Arkansas.**

Greetings

Section of Emergency Medical Services



*Norajean Miles Harrell, NREMT-P
EMSP Licensure Administrator*

Continuing Education

- ▣ Six (6) Instructor hours for today's course
- ▣ Roster
- ▣ Instructor list – verify address – add phone and email contact information
- ▣ Add to bottom if not on list
- ▣ Certificate
- ▣ Fax Roster and Instructor list to:
 - 501-661-2801

Agenda for the Future

- ▣ “In 1996, the National Highway Traffic Safety Administration (NHTSA) and the Health Resources and Services Administration (HRSA) published the highly regarded consensus document titled the *EMS Agenda for the Future*.”

The *EMS Agenda for the Future*

- ▣ A vision for future EMS systems
- ▣ EMS Provider integration within the broad health care system
- ▣ Spawned the *EMS Education Agenda for the Future: A Systems Approach*

The Original EMS Agenda for the Future

- Developed by:
 - National Association of EMS Physicians
 - National Association of State EMS Directors
- Published in 1996
- Provided a global vision for Emergency Medical Services



The Original EMS Agenda for the Future A Systems Approach

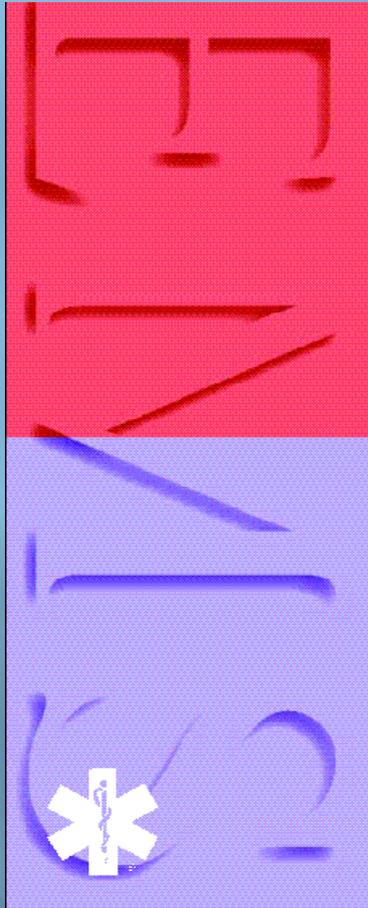
Called for Five Components

1. National EMS Core Content
Released in July 2003
2. National EMS Scope of Practice Model
Released in September 2006
3. National EMS Education Standards
Released in January 2010
4. National EMS Education Program Accreditation
(Paramedic Programs) Required by January 2012
5. National EMS Certification - NREMT

The Original EMS Agenda for the Future **NATIONAL EMS CORE CONTENT**

- Defined the EMS body of knowledge , skills and abilities.
- Encompassed the medical function
- National EMS Core Content task force developed in 2001
- National Asso. of EMS Physicians & American College of Emergency Physicians
- Released (after public content) 2002-2003

The National Scope of Practice Model



- ▣ The licensure of EMS personnel, like that of other health care licensure systems, is part of an integrated and comprehensive system to improve patient care & safety and to protect the public.
- ▣ Recommended common titles:

EMR	Advanced EMT
EMT	Paramedic

The National Scope of Practice Model

Developed by:

NHTSA (National Highway Traffic Safety Administration)

NASEMSO (National Asso. Of State EMS Officials)

Source : State EMS office surveys -State Medical Director surveys

National EMS Information System (NEMSIS) project data

Longitudinal EMT Attributes and Demographics Study (LEADS)

Published in 2006

Identified: **psychomotor skills** and **Minimum knowledge necessary** for competence at each nationally identified level of EMS provider (EMR, EMT, AEMT, Paramedic)

Team Work

Relationship Between:

Education

Certification

Licensure

Credentialing

Education

- ▣ All cognitive, psychomotor & affective learning related to EMS skills.
- ▣ EMS Educational Facilities
 - 34 Training Sites
 - ▣ 15 Paramedic
 - ▣ 3 Intermediate
 - ▣ 16 Basic
- ▣ It's time **NOW** to Re-educate the Licensed providers to the New Standards!!!!



Certification

- ▣ External verification of the competencies that an individual has achieved
- ▣ Involves an examination process.
 - State/National Practical & Written Examination
 - ▣ Basic- State Practical & NR EMT Written
 - ▣ Advanced EMT - NREMT Practical & Written
 - ▣ Paramedic- NR EMT Practical & Written
 - Currently utilize the National Registry of EMTs, Columbus Ohio



Licensure implementation

All Active Arkansas EMSPs became LICENSED on August 1, 2009. When the law took affect.

All active Arkansas EMSPs should have received the NEW Licensure card by April 1, 2010.

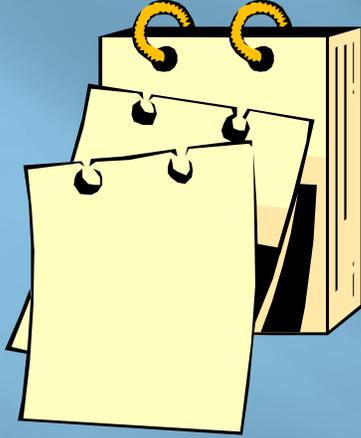


Credentialing

- ▣ A local process by which an individual is permitted by a specific entity (medical director) to practice in a specific setting (EMS agency).

Example: RSI





Dates to Consider

- ❑ January 2010- The EMS Educational Standards Project was finalized. Standards are available online at www.ems.gov
- ❑ mid 2010 to 2011- Textbooks are beginning to reflect the new SOP model and Educational Standards
- ❑ Upcoming dates: NREMT exams updated to cover the SOP and Practice Analysis

TRANSITION

Today's real topic!!!

Take a Break:

Stand up

Stretch

Yawn

Snack

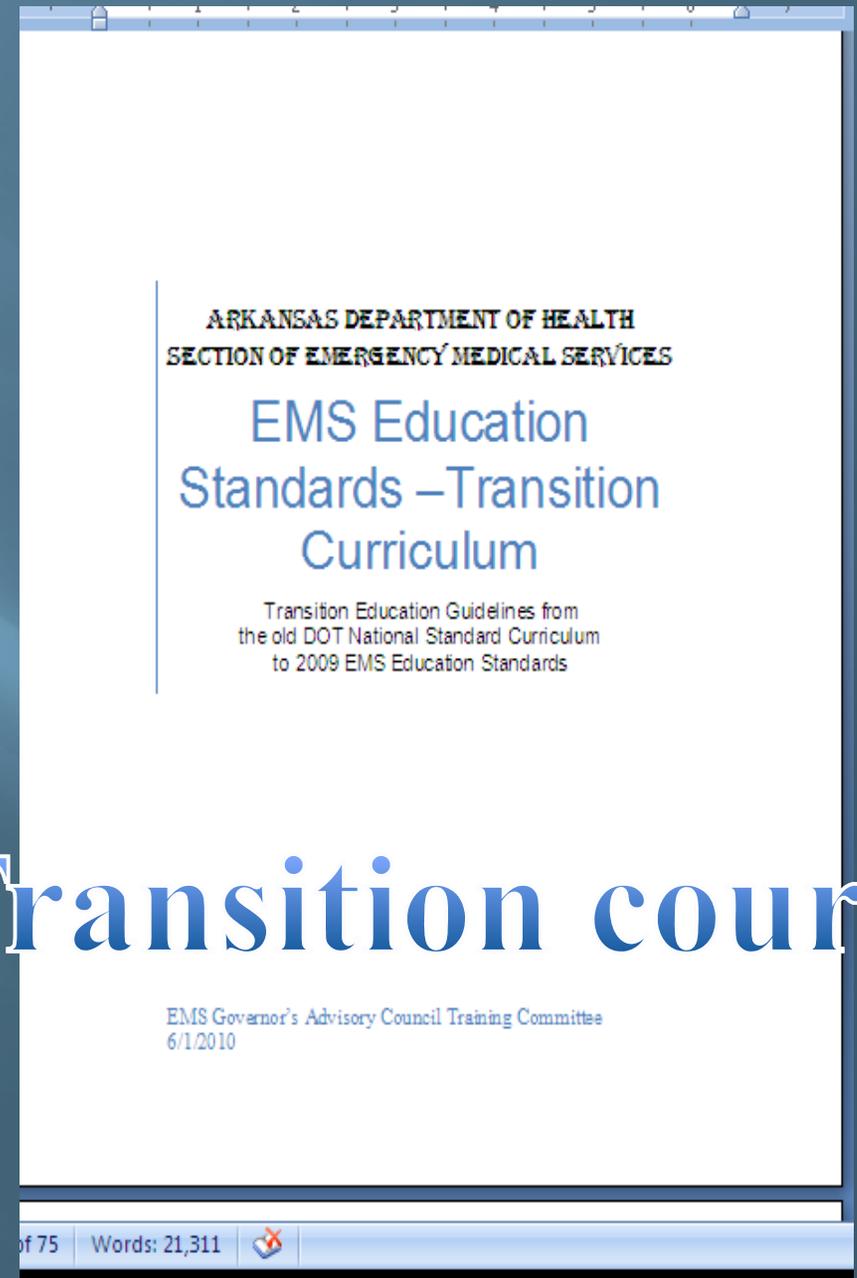
Move around

Meet folks



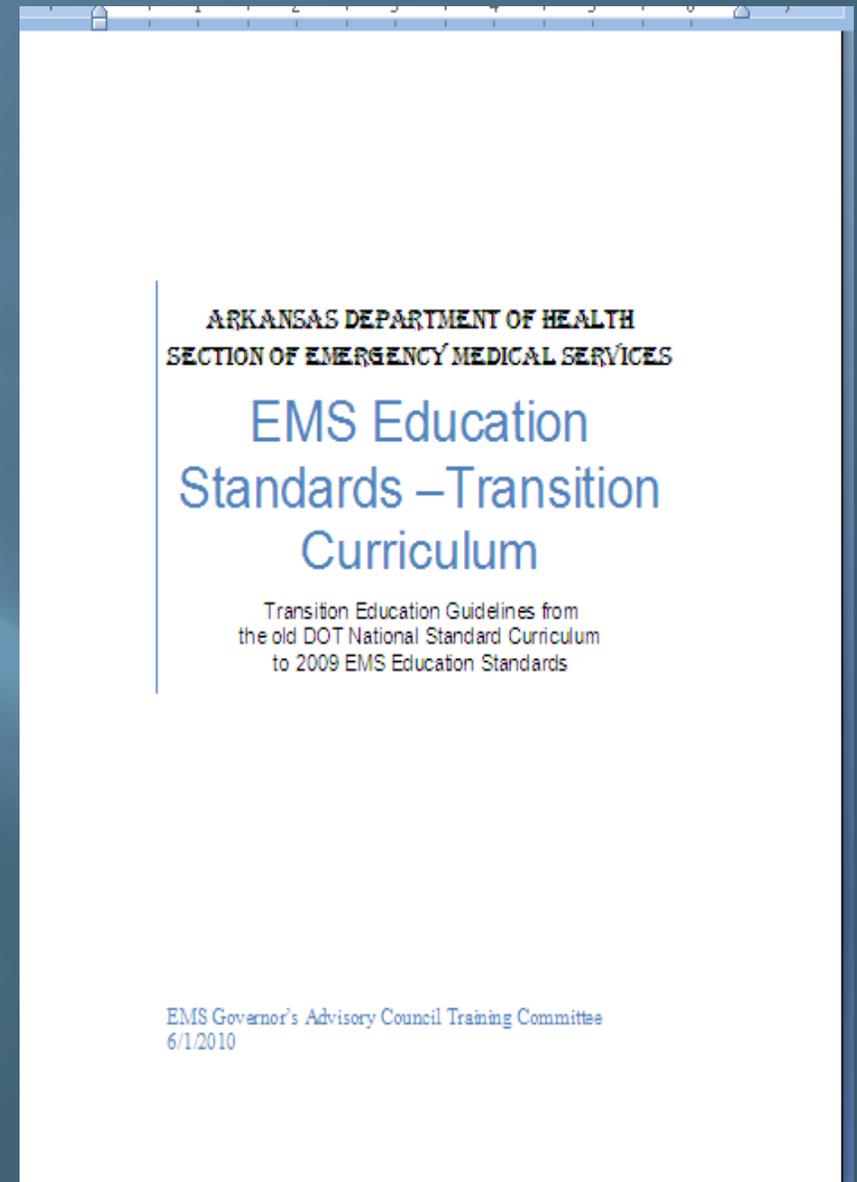
Developed by the
Arkansas Training Committee

2010 Arkansas Transition course



TRAINING COMMITTEE

Wesley Gay – Chairman
Amanda Warren – Vice Chair
Danny Bercher – Secretary
Jamin Snarr
Jerry Hutchison
Jimmie Bryan
Joseph Chappell
Monte Gagliardi
Mack Hutchison
Larry New
Garry Odom
Karen Konarski-Hart
Norajean Miles Harrell



2010 Arkansas Transition course

ARKANSAS DEPARTMENT OF HEALTH
SECTION OF EMERGENCY MEDICAL SERVICES

EMS Education Standards – Transition Curriculum

Transition Education Guidelines from
the old DOT National Standard Curriculum
to 2009 EMS Education Standards

EMS Governor's Advisory Council Training Committee
6/1/2010

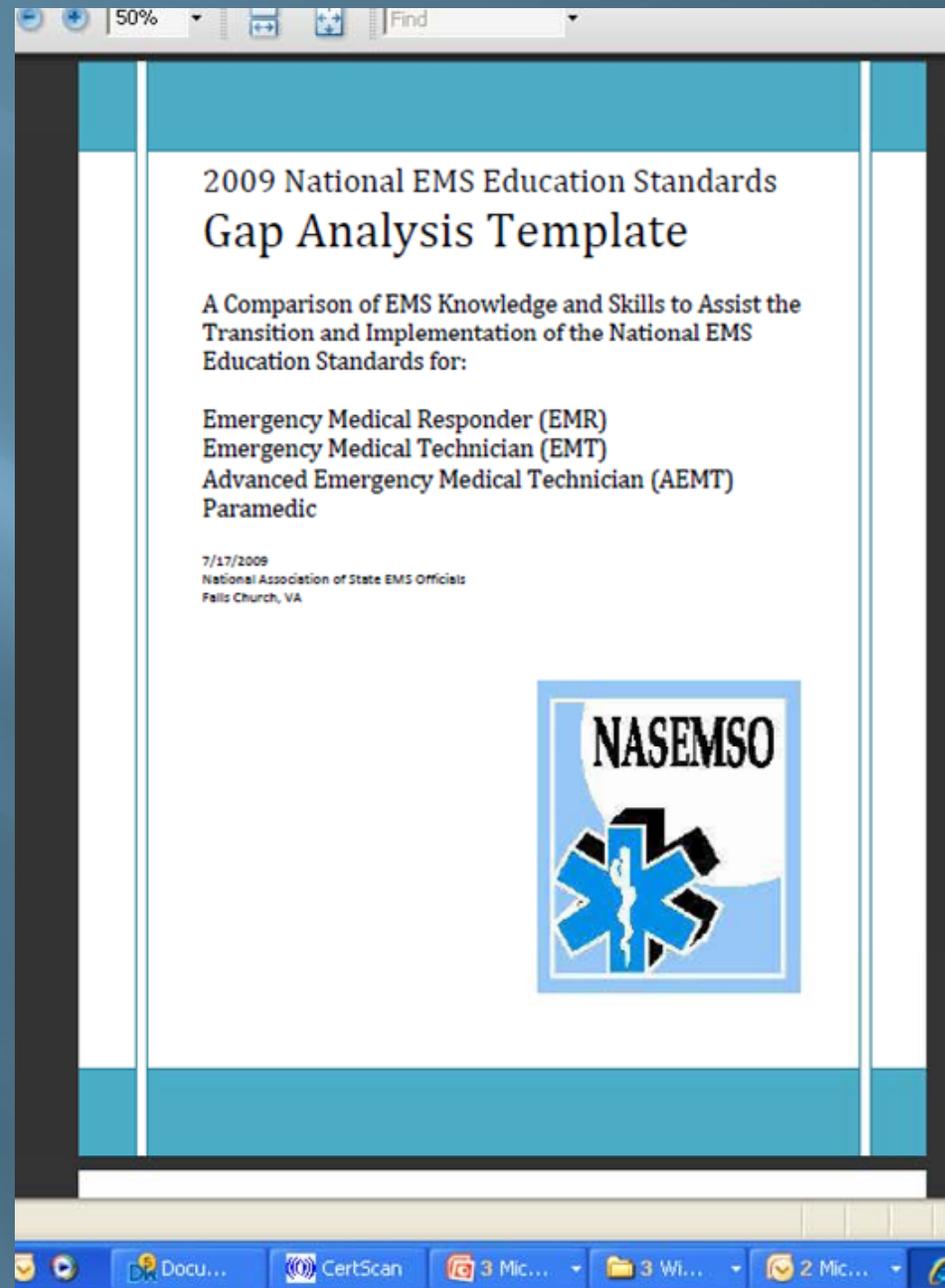
- ❖ Copy for every Instructor
- ❖ 77 pages
- ❖ Table of Contents
- ❖ Copy of comparison Grid
- ❖ In order of Grid
- ❖ Index with references
- ❖ Basic and Paramedic materials
- ❖ Will replace the Refresher class
- ❖ Will be required for EMSPs to maintain license



NAMEMSO

Gap Analysis Template

Developed through cooperation of members of NASEMSO, NASEMSE and NREMT to outline the materials that were different in the New DOT EMS Education Standards and the old DOT National Standard Curriculum



Arkansas Gap Analysis Transition grid.

Old DOT Curriculum was compared to the NEW EMS Education Standards and outlines were developed to “fill the Gaps”

skills and time recommendation		EMT (09 E 8)	EMT-B 2000 N&C	comments	didactic time needed	lab time needed
Airway/Ventilation/Oxygenation						
Airway/Ventilation/Oxygenation						
	gastric decompress - NO tube			Ad airway module		
	O2 partial RB mask	X			15 min	15 min
	O2 simple face mask	X			include in above	
	O2 nasal mask	X			include in above	
	Sp O2 pulse oximetry)	X			15 min	15 min
	Ventilator (ATV)	X		disadvantages/assessment of pt.	15 min	
other concerns	more physiology (anatomy)				45 min	
use of Oxygen humidifiers	use of Oxygen humidifiers			included in above -> devices		
total 2 hours for respiratory						
Cardiovascular/ Circulation						
	hemorrhage - pressure point		X	remove	hemorrhage all	
	Mechanical CPR device	X			15 min	
	hemorrhage - tourniquet				15 min	15 min
	mechanical CPR device (optional)					

Transition Comparison Grids

EMT GRID

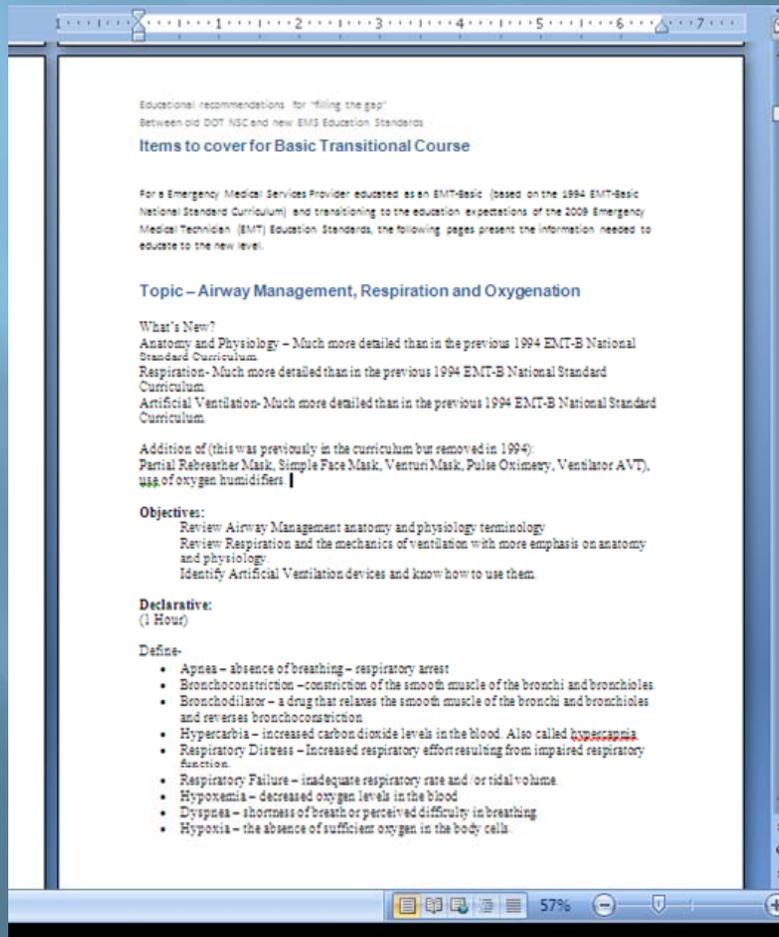
Airway/Ventilation/Oxygenation					
skills and time recommendation					
skill	EMT (09 ES)	EMT-B 2000 NSC	comments	didactic time needed	lab time needed
Airway/Ventilation/Oxygenation					
gastric decompress - NO tube		Ad airway module			
O2 partial RB mask	X			15 min	15 min
O2 simple face mask	X			include in above	
O2 nasal mask	X			include in above	
SP O2 pulse oximetry	X			15 min	15 min
Ventilator (ATV)	X		discharge/assessment of pt.	15 min	
other concerns				45 min	
use of Oxygen humidifiers			included in above +2 devices total 2 hours for respiratory		
Cardiovascular/ Circulation					
hemorrhage - pressure point		X	remove	hemorrhage sl	
Mechanical CPR device	X			15 min	
hemorrhage - tourniquet				15 min	15 min
mechanical CPR device (optional)					

PARAMEDIC GRID

2009 Gap Analysis Template						
skill	Paramedic skill detail	Paramedic (09 ES)	EMT-P 2000 NSC	comments	didactic time needed	lab time needed
Airway/Ventilation/Oxygenation						
Airway	BIPAP/CPAP	x		combine 809,856	15 min	15 min
	Chest tube placement/assist	x			15 min	15 min
	Chest tube placement-monitor/fix	x			15 min	15 min
	Endotracheal intubation	x	809,856 - enhanced only	landmarks, etc	15 min	15 min
Cardiovascular/ circulation						
	Mechanical CPR device			requires additional BLS/ACLS training	15 min	
Medication Administration						
	routes	x		intranasal (809,856) (limited)	15 min	
IV initiation/ fluid maintenance						
	Access indwelling catheters & capped ports	x			30 min	30 min
	central line monitoring				15 min	30 min
	Endotracheal - Adult	x		current optional		
	Umbilical line	skill removed				

Transition recommended text

PAGE 1 – EXAMPLE



- Topic (Airway Management)
- Changes from the OLD DOT NSC
- What's NEW
- Objectives
- Definitions needed to know
- Assessment concerns
- Treatments

Reference Websites

NASEMSO Education
Agenda Website

Scope of Practice

Gap Analysis Template

EMS Education Standards

Instructor Guidelines

Guidelines for Education
EMS Instructors

Implementation Timelines

Facebook Group

1 / 2 50% Find

Where Can I Find...

National Association of State EMS Officials
EMS Education Agenda for the Future: A Systems Approach

National EMS Core Content
National EMS Scope of Practice Model
National EMS Education Standards
National EMS Education Program Accreditation
National EMS Certification

A Quick Guide to Resources Supporting the Implementation of the EMS Education Agenda for the Future: A Systems Approach

1. NASEMSO's Education Agenda Web Site—
<http://www.nasemso.org/EMSEducationImplementationPlanning/index.asp>

All related documents, powerpoint presentations, and other materials are being catalogued in this central location on the NASEMSO web site. In addition, you can find the following source documents from NHTSA:

- [National EMS Education Agenda \(2000\)](#)
- [National EMS Education Standards \(2009\)](#)
- [Emergency Medical Responder Instructional Guidelines \(2009\)](#)
- [Emergency Medical Technician Instructional Guidelines \(2009\)](#)
- [Advanced Emergency Medical Technician Instructional Guidelines \(2009\)](#)
- [Paramedic Instructional Guidelines \(2009\)](#)
- [National Guidelines Educating EMS Instructors \(2002\)](#)

2. Frequently Asked Questions (2009)
<http://nasemso.org/EMSEducationImplementationPlanning/documents/FAQs200908233.pdf>

3. Talking Points (2009)
<http://nasemso.org/EMSEducationImplementationPlanning/documents/TalkingPoints082309R.pdf>

4. Fact Sheet About EMS Program Accreditation (2009)
<http://nasemso.org/EMSEducationImplementationPlanning/documents/2008CoAEMSPFACTS/FINAL5-1-08.pdf>

Where Can I Find...

5. 2009 National EMS Education Standards Gap Analysis Template (2009)

Making the Transition- NREMT considerations



EMT-Basic/ Ambulance to EMT

NREMT will launch an **Emergency Medical Technician (EMT)** National EMS Certification on **12/31/2011**

All NREMT-Basics must complete National **EMT-Basic to EMT Transition Courses** by between **4/1/12 and 3/31/2016**

Completion of the Transition Course must be State approved

No testing as part of the Transition

EMT-Paramedic to “Paramedic”

NREMT will launch EMT-P to the new Paramedic certification on **12/31/2012**

All current paramedics must complete the National **EMT-P to Paramedic Transition Course** between **4/1/2013 and 3/13/2017**

Completion of Transition Course must be State approved.

No testing as part of the Transition

Arkansas' Intermediates (Advanced EMTs)

- ▣ If EMT-Intermediate 85 wants to maintain National Registry certification at Advanced EMT level, they will have to test CAT and practical. Lots of new content to cover.
- ▣ In Arkansas: They are already licensed Advanced EMTs and will maintain that level in Arkansas by completing the renewal requirements. AEMT transition course is still in development. (7/7/2010-148 licensed AEMT in Arkansas.)



More Dates to Consider

- ▣ June 2010- The EMS Educational Standards Transition Curriculum for Arkansas was completed. (Arkansas Training Committee has been meeting since September 2009).
- ▣ August 2010 Introduction of Transition course to instructors . -
- ▣ November to December 2010 – Rollout the Transition Course material with all instructors.
- ▣ January 2011 – Instructors begin teaching the Transition material in place of the Refresher courses.
- ▣ EVERYONE will need to complete.

Next Steps



- Begin teaching the Transition Course in place of the regular refresher
- Request new classes based on the New DOT Educational Standards in January 2011.
- Develop your teaching curriculum using the DOT Educational Standards. Submit a rough draft with class requests.

NREMT Dates Important to YOU

Implementation of the EMS Education Agenda: A Systems Approach

Certification Matrix FOR DISCUSSION only

	When do updated exams start?	Last date course based on NSC could finish	Last NREMT exam given	Transition completed by
FR		Determined by State	December 31, 2011	September 30, 2016
EMR	January 1, 2012			
EMT-B		Determined by State	December 31, 2011	March 31, 2016
EMT	January 1, 2012			
I-85		Determined by State	March 31, 2013	March 31, 2015 Must include transition course and pass written (practical?) AEMT exam
AEMT	June 1, 2011			
I-99		Determined by State	December 31, 2013	March 31, 2018 Must include transition course and pass written paramedic exam
EMT-P		Determined by State	December 31, 2012	March 31, 2017
Paramedic	January 1, 2013			

Dev. 4/7/2010

NREMT Matrix for Testing Transition

approved by Board of Directors 11/10/2010

LEVEL	LAST NREMT EXAM DATE	"NEW" LEVEL BEGINS	MUST COMPLETE TRANSITION BY
FR	12/31/2011		9/30/2016
EMR		1/1/2012	
EMT-B	12/31/2011		3/31/2016
EMT		1/1/2012	
EMT-I/85	3/31/2013		3/31/2018 AND TEST AEMT COGNITIVE EXAM
EMT-I/99	12/31/2013* *NREMT will offer access to exam to states for purposes of state licensure after 12/31/2013		3/31/2020 AND TEST PARAMEDIC COGNITIVE EXAM
AEMT		6/1/2011	
EMT-P	12/31/2012		3/31/2017
PARAMEDIC		1/1/2013	

Next Steps



- Post the Rules and Regulation changes to the website for EMS Community to review and comment.
- Recommend Rules & Regulation revisions to be ready to move forward February.2011.
- Section of EMS will present to the Board of Health – public hearings –legislative approval - adoption!

More Information !!!!

Where Can I Find...



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- [National EMS Education Standards](#) (2009)
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- [Emergency Medical Technician Instructional Guidelines](#) (2009)
- [Advanced Emergency Medical Technician Instructional Guidelines](#) (2009)
- [Paramedic Instructional Guidelines](#) (2009)
- [National Guidelines Educating EMS Instructors](#) (2002)

2. Frequently Asked Questions (2009)

<http://nasemso.org/EMSEducationImplementationPlanning/documents/FAQs200903232.pdf>

3. Talking Points (2009)

<http://nasemso.org/EMSEducationImplementationPlanning/documents/TalkingPoints032309R.pdf>

4. Fact Sheet About EMS Program Accreditation (2009)

<http://nasemso.org/EMSEducationImplementationPlanning/documents/2008CoAEMSPFACTSFINAL5-1-08.pdf>

Where Can I Find...

5. 2009 National EMS Education Standards Gap Analysis Template (2009)

<http://nasemso.org/EMSEducationImplementationPlanning/documents/2009NASEMSOGapAnalysisTemplate.pdf>

- [Appendix B Skill Comparison Blank Checklist for States in MS Word](#)

6. NASEMSO "Dot" Survey Results (2009)

<http://www.nasemso.org/EMSEducationImplementationPlanning/documents/NASEMSOSurveyResults2009FINAL20090323.pdf>

7. Implementation Timeline (2010)

<http://www.nasemso.org/EMSEducationImplementationPlanning/documents/TimelineFinal20100404.pdf>

8. Anticipated Production Schedules for EMS Textbooks and Materials (2010)

<http://www.nasemso.org/EMSEducationImplementationPlanning/documents/Productionschedules2010.pdf>

9. EMS Education Agenda Implementation Email List—

Be among the **FIRST** to receive news and information related to implementation directly from NASEMSO...

- To subscribe to the EMS Education Agenda Implementation email list, send an email to lyris@lists.nasemso.org with the subject of the email containing: **subscribe emseducationagendaimplementation nasemso2009**
- When you send the email, you will receive a response asking to confirm your email address. Simply reply to the email to be added as a member of the list.

10. Facebook Group: [Implementing the National EMS Education Agenda](#)

This Group is open to anyone interested in learning about national efforts to implement the EMS Education Agenda; new documents and resources will be highlighted. The goal is to provide a forum for the EMS community to identify successful implementation strategies and to help dispel common myths and rumors about the EMS Education Agenda. Please note: this is a discussion group to encourage open dialogue, information, and idea sharing. Participants should not expect that suggestions or opinions will become part of the national implementation.

More Information !!!!

The screenshot shows a Windows Internet Explorer browser window displaying a Facebook group page. The browser's address bar shows the URL <http://www.facebook.com/group.php?gid=122208753359>. The page title is "Implementing the National EMS Education Agenda | Facebook - Windows Internet Explorer".

The Facebook interface includes a login section with the email `norajean.milescharrell@arkans...` and a "Login" button. Below the login section, there is a "Sign Up" button and a message: "Implementing the National EMS Education Agenda is on Facebook. Sign up for Facebook to connect with Implementing the National EMS Education Agenda."

The main content area features a blue arrow pointing to the group name "Implementing the National EMS Education Agenda". Below the group name, there is a "Basic Info" section with the following details:

- Name:** Implementing the National EMS Education Agenda
- Category:** Organizations - Professional Organizations
- Description:** This Group is open to anyone interested in learning about national efforts to implement the EMS Education Agenda -- new documents and resources will be highlighted. The goal is to provide a forum for the EMS community to identify successful implementation strategies and to help dispel common myths and rumors about the EMS Education Agenda.
- Privacy Type:** Open: All content is public.

The "Information" section on the left provides additional details:

- Category:** Organizations - Professional Organizations
- Description:** This Group is open to anyone interested in learning about national efforts to implement the EMS Education Agenda -- new documents and resources will be highlighted. The goal is to provide a forum for the EMS community to identify successful implementation strategies and to help dispel common myths and rumors about the EMS Education Agenda.
- Privacy Type:** Open: All content is public.

The "Admins" section lists "Kathy (creator)".

The Windows taskbar at the bottom shows the Start button and several open applications: Microsoft PowerPoint, Transition Co..., WhereCanIFin..., where can I fi..., and Implementing... The system tray shows the time as 10:04 PM and the Internet connection status.

More Information

▣ www.ems.gov

▣ www.healthy.arkansas.gov

▣ www.nremt.org



Lets do it AGAIN!

Take a Break:

Stand up

Stretch

Yawn

Snack

Move around

Meet folks



EMS Education Standards and Instructor Guidelines

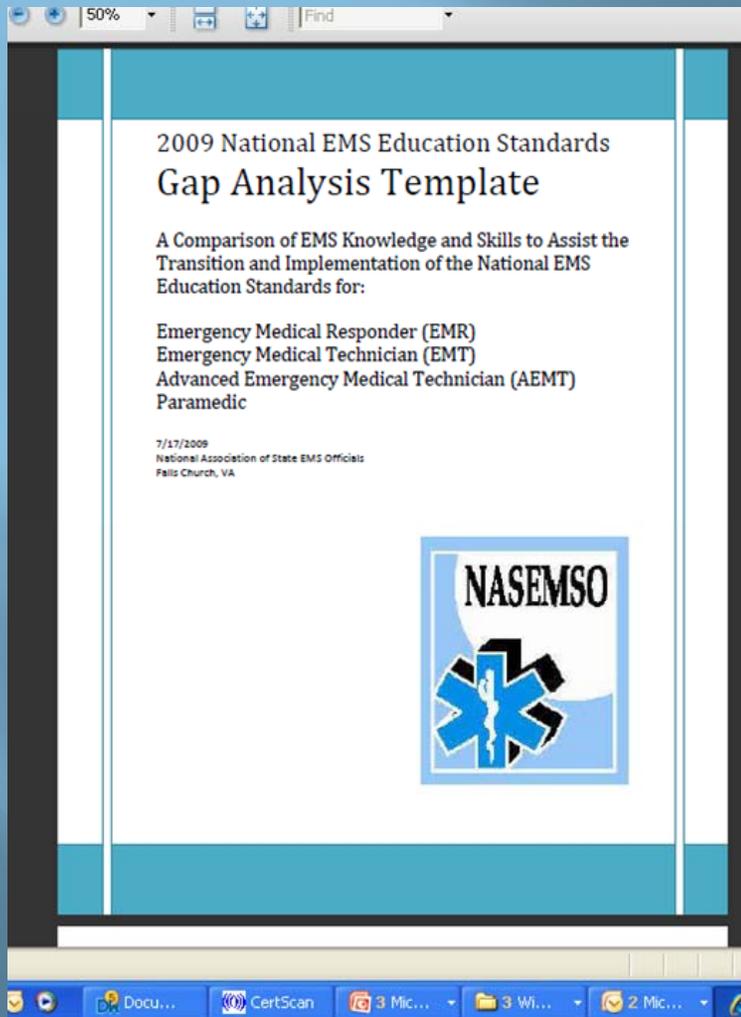
www.ems.gov

On your disc

Gap Analysis

On your disc

See the “Where to Find It” Guide



Take a Break:



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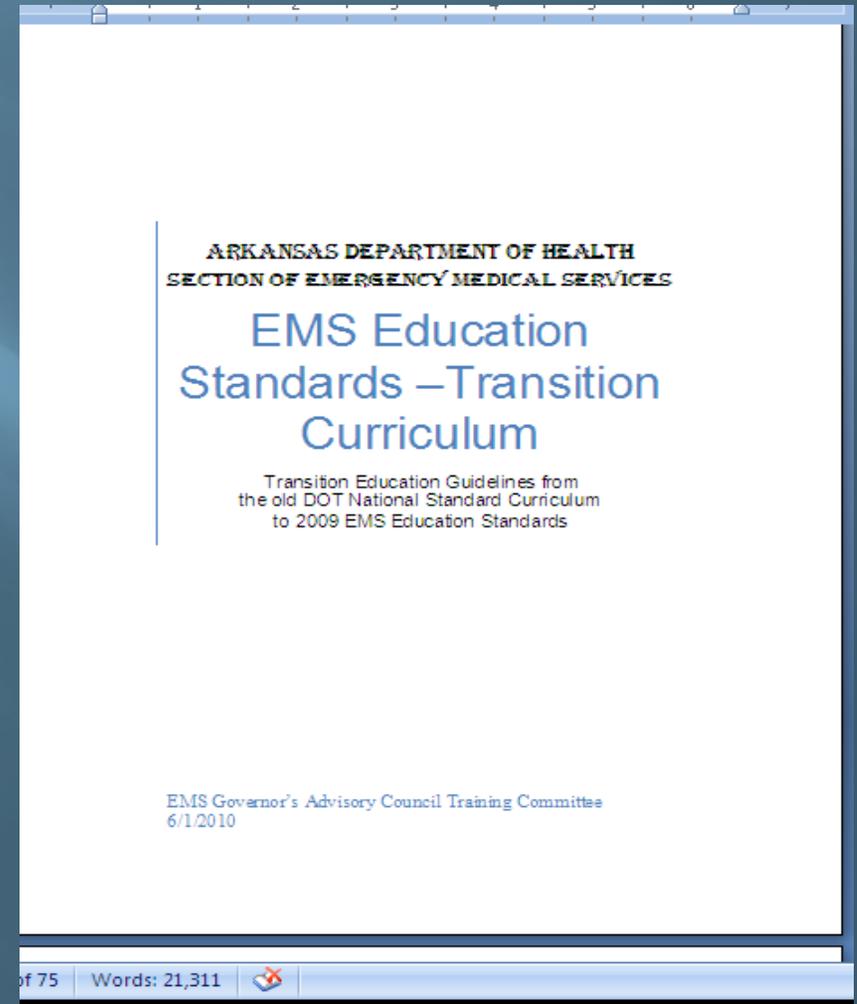
Meet folks

IS IT LUNCH YET?????

Arkansas Transition Course

On your disc

www.healthy.arkansas.gov/ems



CHANGES TO COME!!!!!!

▣ Section of EMS

www.healthy.arkansas.gov/ems

is NOT

▣ Section of Trauma

www.healthy.arkansas.gov/truma

Exciting New Stuff

- ▣ **TRACs =**
Trauma
Regional
Advisory
Councils

TRAINING:

- ▣ **Trauma Bands**
- ▣ **Trauma Call Center**
- ▣ **Additional Radios
(AWINS)**

\$\$\$\$ TRAUMA SYSTEM FUNDING \$\$\$\$\$\$

TRACs

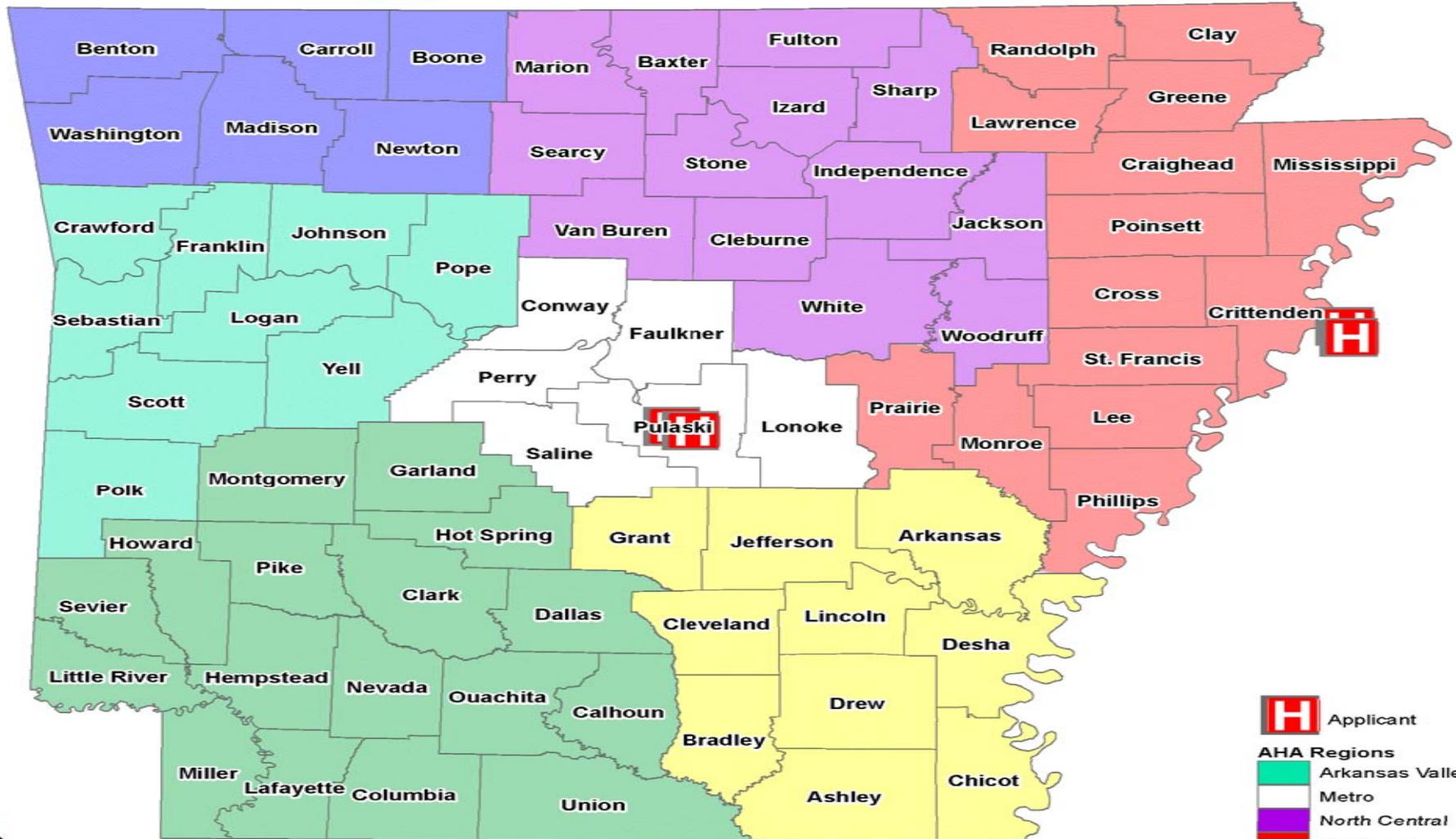
TRACs =

Trauma Regional Advisory Councils

8 geographical regions based on Hospital Regions

TIME TO GET INVOLVED !!!!!!!!

Arkansas Trauma System Intent Applicants: Level 1



-  Applicant
- AHA Regions**
-  Arkansas Valley
-  Metro
-  North Central
-  Northeast
-  Northwest
-  Southeast
-  Southwest



Trauma Bands—Why?

Link EMS pre-hospital care database to hospital database

Make data more reliable and clean by eliminating duplicate entries

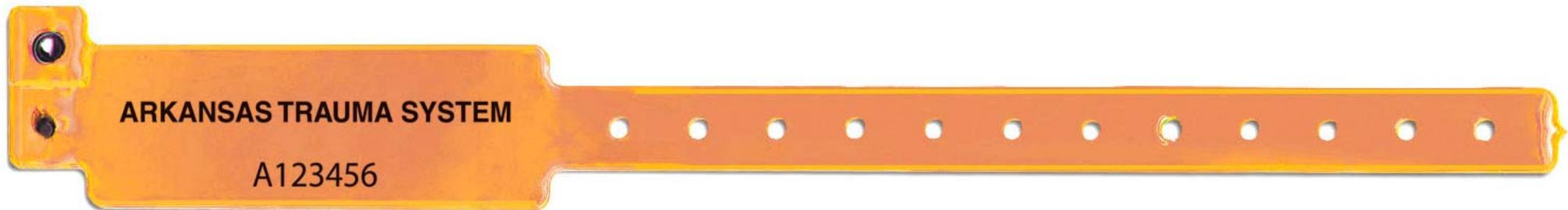
Track patients throughout course of treatment

Trauma Bands

- ▣ Trauma band is a wristband applied to patients during transport to the hospital
- ▣ Trauma band will have its own distinct color
- ▣ Trauma number will follow patients through the entire course of care in the trauma system. (Prehospital to discharge)

Trauma band is a wristband applied to trauma patients during transport to the hospital.

Each band will have a unique identifier consisting of an alpha-numeric 7 character combination (Example: A000001)



Arkansas Trauma Communications Center



Getting

- ▣ the **Right Patient** to
- ▣ the **Right Hospital** at
- ▣ the **Right Time** by
- ▣ the **Right Mode.**

QUESTIONS 
BRIEFLY PLEASE!!!

Last Minute Thoughts

Thank you!

- ▣ Patch and Instructor Rocker
 - Mailed with certificate
- ▣ Instructor Information file on website

Norajeane Miles Harrell

Licensure Administrator
Section of Emergency Medical System

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501-661-2333

MORE INFORMATION

Section of EMS

www.healthy.arkansas.gov/ems