

# OHIO DIVISION OF EMERGENCY MEDICAL SERVICES

## TEST VALIDATION PROCESS



# TEST VALIDATION MAP

- Validate Each Item Bank
- Develop Multiple Test Version
- Monitor The Test Items Performance
- Monitor The Examination Results
- Correlate Test Item/Course Objective
- Provide Assistance with Fire Charter



# SUBJECT MATTER EXPERT

**The Subject Matter Expert (SME) provides the knowledge and expertise in a specific subject or technical area.**

- Understand the language/terms/jargon in his/her area of expertise
- Define performance objectives, and determine acceptable performance levels
- Understand requisite knowledge that underlies effective decision-making and is able to describe where inconsistencies or flaws may occur in the decision-making for his/her area of expertise



# SUBJECT MATTER EXPERT

**The Subject Matter Expert (SME) provides the knowledge and expertise in a specific subject or technical area.**

- Explain his/her area of expertise clearly to others
- Validate the requirements and deliverables
- Provide input for the design and construction of test and may also validate executed test results
- Not only answer how things are done, but why



# SUBJECT MATTER EXPERT

The Subject Matter Expert (SME) provides the knowledge and expertise in a specific subject or technical area.

- Understand materials
- Understand examinees
- Map objectives
- Anticipate scoring
- Validate and interpret item



# VALIDATING MULTIPLE CHOICE ITEM

- SME'S review each item independently
- Ensure each item is mapped to specific task or objective
- Reviewed by 3 SMEs



# VALIDATING MULTIPLE CHOICE ITEM

- SME'S review each item independently
- Ensure each item is mapped to specific task or objective
- Consider the item as a whole
- Assess knowledge or skill component
- Appropriate level of difficulty
- Better way to test the learning objective
- Reviewed by 3 SMEs



# REVIEW SCHEDULE

- **IFSTA**
  - Scheduled to be completed by January 1, 2017
- **JONES AND BARTLETT**
  - Scheduled to begin January 1, 2017
- **PENNWELL**
  - Scheduled to begin January 1, 2018



# UNIFIED MESSAGING

SME can participate from there location through Unified Messaging beginning January 2016.

If you are interested in being a subject matter expert email our staff at [OFSTesting@dps.ohio.gov](mailto:OFSTesting@dps.ohio.gov) . Please include the following information:

Name

Email Address

Resource Interest (IFSTA, J&B, or Pennwell)

Experience



# OHIO DIVISION OF EMERGENCY MEDICAL SERVICES

## PRACTICAL SKILLS ANALYSIS



# PROBOARD REACCREDITATION

The reaccreditation process begins with the submission of an application, including a detailed self study document, by the organization seeking accreditation.

The application package is then reviewed by the members of the Committee on Accreditation (COA) for completeness and compliance with the accreditation criteria.

The next step is a site visit by a team of COA members, usually two, who perform an extensive on-site review of the organization's testing and certification processes.



# REACCREDITATION SITE VISIT REPORT

- Test Validation procedures are very thorough and will improve the quality of the end product.
- The agency demonstrated their very robust testing and course management system . This system is unlike any other the site team has seen.
- The agency is able to reach constituents across the state by using charters to deliver testing and training



# REACCREDITATION SITE VISIT REPORT

- Impressed by the how the small staff is able to manage the vastness of their responsibilities.
- Recommended developing an evaluator refresher course to provide guidance to the charter program directors.
- Increase the number of test items in the test bank.
- Recommended a gap analysis be conducted to verify that all NFPS 1001 skills were being tested.



# PRACTICAL SKILLS GAP ANALYSIS

- 6 Subject Matter Experts
- Conducted a comparison of the NFPA 1001 Standard required skills to the Ohio practical skill sheets and course objectives.
- Skills were sent to additional SME's to review the additional or revised skill sheet for comments.
- 11 new or revised skill were identified.



# NEW PRACTICAL SKILLS FOR FF I AND II

- 1-5 Replace Air Cylinders
- 7-6 Ladders – Using a Leg Lock
- 7-7 Ladders – Operating a Hose Line
- 10-2 Rescue – Victim Carries
- 10-3 Rescue – Victim Drags
- 10-4 Rescue – Bringing Victim(s) Down Ladder
- 10-5 Rapid Intervention
- 10-6 Exiting a Hazardous Area
- 10-7 Declaring a Mayday
- 10-8 Rapid Escape Procedures
- 31-1 Protecting Evidence



# PRACTICAL SKILLS -MANDATORY SKILLS VOLUNTEER FIREFIGHTER

- 1-2 PPE – Donning PPE
- 1-3 PPE – Donning SCBA
- 1-4 SCBA Emergency Procedures
- 5-1 Restricted Passage
- 7-2 Raise A Ladder – Two Firefighter Flat Raise
- 12-1 Advancing an Charged Line
- 17-1 Water Supply – Supply Lay Connection



# PRACTICAL SKILLS –RANDOM SKILLS VOLUNTEER FIREFIGHTER

- 1-5 Replace Air Cylinder
- 4-1 Responding on Apparatus
- 6-1 Forcible Entry
- 7-6 Ladders – Using a Leg Lock
- 10-3 Rescue – Victim Drags
- 14-1 Horizontal Ventilation
- 17-3 Water Supply – Drafting
- 18-1 Operating Portable Fire Extinguishers
- 30-3 Couple and Uncouple Hose
- 30-4 Extending or Replacing Hose Sections
- 33-1 Rolling Hose



# FIREFIGHTER AND FIRE SAFETY INSPECTOR TRAINING SUB-COMMITTEE

- Firefighter and Fire Safety Inspector Training Sub-Committee voted on September 13, 2016 to require **7 mandatory skills and 2 random skills** for the voluntary level.
- The new skills and the volunteer course will become effective for any course approved after **January 1, 2017**.

# CONTACT INFORMATION

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**Contact information can also be found on the Ohio Division of EMS website at [www.ems.ohio.gov](http://www.ems.ohio.gov)**

# QUESTIONS

