



MISSOURI ADVISORY BOARD FOR EDUCATOR PREPARATION

MISSOURI CONTENT & PERFORMANCE ASSESSMENTS

April 28, 2016

Missouri Department of Elementary
and Secondary Education



Missouri Educator Gateway Assessments

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- **MEGA'S Three Objectives**
 - **Recruit the Right People**
 - **Assess Content Knowledge**
 - **Series of Certification Assessments**
 - **Increased Emphasis on Content**
 - **Assess Performance**
 - **Missouri Performance Assessments**
 - **Teachers (V-NV), Counselors, Librarians**



Goals – Missouri Content Assessments

- **The Missouri Content Assessments are:**
 - **Based on unique needs and requirements of Missouri**
 - **Consistent with state and national educator standards and practices**
 - **Reflective of subject knowledge required for effective teaching**
 - **Accurate and valid**
 - **Free from bias**

Involvement – Test Development Process

Missouri Participation – PK-12, Arts & Sciences, EPPs

- **Bias Review Committee (BRC)**
 - Reviews for sensitivity and fairness
 - Checks for Bias
 - Reflects the diversity of the population
- **Content Advisory Committee (CAC)**
 - Assesses appropriate content for significance and accuracy
 - Free from bias
 - Determines job-relatedness and relevance
- **Marker Response Committee – Constructed Responses**
 - Reviews constructed response items (CRI)
 - Identifies scores based upon quality of responses

Test Development Process

- **Conduct Program Planning**
- **Establish Advisory Committees**
- **Develop Test Framework**
- **Conduct Test Framework Review**
- **Conduct Content Validation Survey**
- **Develop Assessment Items**
- **Conduct Item Review Conference**
- **Marker Response Selection Meeting (CRI)**
- **Conduct Item Validation and Standard Settings**

Operational Results: Overview 2014-2015

- **Data from candidates who tested from**
 - **First Attempt & All Test Takers for 2 Years**
 - **August 31, 2015 to March 13, 2016**
 - **September 2, 2014 to August 30, 2015**
 - **Best Attempt**
 - **August 31, 2014 to March 13, 2016**
- **FY 15-16 – 56 certification assessments 18 had $N \geq 30$.**
- **Analyses include first & best attempts only**

Operational Results: Considerations

- **Candidate preparation may improve in the future**
- **Initial sample of candidates is typical of future populations**
- **Results will improve when “Best Attempt” analyses can supplement “First Attempt” results**
- **Change is relative, difficult, and improvement occurs over time.**
- **There are differences in the pass rates among educator preparation programs for the same certification areas.**

Operational Results: Considerations

- **Why First & Best Attempt?**
- **The best attempt column shows the cumulative pass rate for all examinees, taking into account all of their attempts. It is the best indication of what percentage of candidates have passed, whether they did so on their first try or after multiple attempts.**
- **As time goes on, people who fail will retest and possibly go from fail status to passing status.**

Types & Timing of Assessments

- **Types of Assessments**
 - 50 – Assessments with Multiple Choice Items
 - 6 – Assessments with Multiple Choice Items and Constructed Response Items (CRI)
- **Timing of Assessments & Item Analysis**
 - “Power Tests”
 - Timing by Industry Standards
 - Most Assessments = 2 Hours
 - More Time = Mathematics, Chemistry, Physics



Requested Information @ Registration

- Gender – Male or Female
- Race
 - American Indian/Alaskan Native
 - Asian
 - Black/African-American (Not of Hispanic Origin)
 - Hispanic or Latino
 - Multi-Racial
 - Native Hawaiian/Pacific Islander
 - Other or Unknown
 - White (Not of Hispanic Origin)

**Reports Generated
@ $N \geq 30$**

Next Steps

- Department gathers input MABEP & MACCE
- Department considers input from impact data, panels, MABEP, & MACCE to establish recommendations
- State Board of Education establishes the Missouri Qualifying Score for each assessment – June 14, 2016.
- Missouri Qualifying Scores effective for 2016-2017
- Continue to review test results throughout 2016-2017
- Revisit Results with State Board – Summer 2017

Today's Discussion

- **Review Changes for 2015-2016**
- **Consider performance of candidates who have tested so far (for tests with a sufficient number of examinees).**
- **Present each assessment and pertinent data**
- **Discuss results**

Adjustments for the 2015-2016

- **Reduced the Number of Questions**
- **Extended Testing Time**
- **7 – Test Titles**
 - **Middle School: Mathematics, Science & Social Studies**
 - **Secondary: Biology, Chemistry, Mathematics, & Physics**



Missouri Content Assessments

- **Summer – Two Bias Review Committees**
 - **Elementary Education Multi-Content Assessments**
 - **Building Level Administrator**
- **The Bias Review Committee**
 - **15 Members**
 - **2 Males; 8 Females; 5 Undeclared**
 - **5 White; 4 Black; 1 Two or More; 5 Undeclared**
 - **6 PK-12; 9 Educator Preparation Programs**
 - **4 with \leq 10 Years of Experience/11 with \geq 10 Years**



The Work – Bias Review Committee

- **Review Criteria**

- **Content**
- **Language**
- **Offense**
- **Stereotypes**
- **Fairness**
- **Diversity**

- **Disadvantages**

- **Age, Gender & Race**
- **Nationality**
- **Ethnicity**
- **Sexual Orientation**
- **Religion**
- **Disability**
- **Cultural**
- **Economic**
- **Geographic**



The Results – Bias Review Committee

- **Elementary Education**
 - **English/Language Arts – 138 Items with 4 Referred**
 - **Mathematics – 123 Items with 3 Referred**
 - **Science – 116 Items with 5 Referred**
 - **Social Studies – 116 Items with 4 Referred**
- **Building Level Administrator**
 - **174 Items Reviewed with 0 Referred**



Missouri Content Assessments

- **Correlation Studies – December 2, 2015**
 - **Three Groups of 12 PK-12/EPP Representatives**
 - **Mathematics – Middle School, Mathematics & Mild-Moderate Mathematics**
 - **Sciences – Middle School, Biology, Chemistry, Physics, Unified Chemistry, and Unified Physics**
 - **Social Sciences – US History, World History, Political Science**
 - **Determine Alignment – Missouri & National Standards**

Correlational Studies Report – December 2, 2015

- In general, the content experts confirmed that the twelve MEGA Content Assessments reviewed at the December 2, 2015 meeting were aligned with Missouri and national standards. There were recommendations from the content experts to make revisions to text for several framework competencies and descriptive statements. The content expert recommendations for the twelve fields along with recommendations from the Evaluation Systems group of Pearson on how to act on the committee recommendations are documented on the following pages.**



Getting to Work

- **Assessments Grouped By Certifications**
- **Review Each Assessment @ Panel Based Score**
- **Information Presented Includes:**
 - **Number Tested**
 - **Raw Score/Number of scorable Items**
 - **1st & Best Attempts**
 - **Missouri Content Assessments – 2015-2016**
 - **Missouri Content Assessments – 2014-2015**
 - **Additional Pertinent Information**



Change in Terminology

- ~~Highly Qualified~~ to Appropriately Certified Educators
- Immediate Change
 - Mild-Moderate Cross-Categorical for Grades K-12
 - Required Assessments
 - Mild-Moderate Cross-Categorical -- Test Code #050
 - Elementary Multi-Content Series – Test Codes #007- #010
 - Missouri Pre-Service Teachers Assessment (MoPTA)
 - Candidates passing all of the subtests in the Middle/Secondary Multi-Content Series will be able to use those scores for certification. Candidates may not mix and match scores.
- All other multi-content assessments remain for certification.



Change in School Psychologist Assessment

- **National Association of School Psychologists**
 - Identifies a national assessment for candidates completing a school psychologist certification program
 - NASP recognizes Praxis School Psychologist (5402)
 - National Qualifying Score 147
- **Recommending to SBE (June 14) to adopt the Praxis School Psychologist (5402)**
 - Missouri Qualifying Score @ 147

Next Steps

- **DESE Develops Final Recommendation**
- **Pre-Board Meeting Webinar – June 7 @ 11:00 AM**
- **SBE Meeting – June 14**
 - **State Board of Education Meeting Room**
 - **1st Floor – Jefferson Building – Jefferson City**
- **Post-Board Meeting Webinar – June 21 @ 9:00 AM**

Our Work for Today

- Review Memo & Structure of the Data Table
- Cautions
 - Sample Sizes
 - Extreme Lows (00%) & Highs (100%)
- Review Each Test
- Recommendations & Rationale

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Missouri Performance Assessments

Counselors – Librarians

Teachers – Video & Non-Video

Standard Setting Events

- **Counselors (MoSCPA) & Librarians (MoLPA)**
 - **June 7 & 8 – Columbia or Jefferson City**
 - **Recruiting & Selection Process On-Going**
- **Teachers (MoPTA-V & MoPTA-NV)**
 - **June 9 & 10 – Columbia or Jefferson City**
 - **Recruiting & Selection Process On-Going**

The Process

- **Standard Setting Panels**
 - **12 – PK-12 & Librarian Preparation Faculty**
 - **12 – PK-12 & Counselor Preparation Faculty**
 - **24 – PK-12 & Teacher Preparation Faculty**
 - **Task 2 & 3 – Panel of 24**
 - **Task 4 (V & N-V) – Two Panels of 12**

The Process

- **Review Each Step, Task, & Entire Assessment**
- **Identify “Just Qualified Candidate”**
- **Recommend 5 Possible Scores**
 - **+2 & +1 Standard Errors of Measurement**
 - **Panel Based Recommendation**
 - **-1 & -2 Standard Errors of Measurement**

Next Steps

- **MACCE – June 27 @ 10:00 AM (#490 Truman Office Bldg.)**
- **MABEP E-Meeting – Scheduled for June 28**
- **DESE Develops Final Recommendation**
- **Pre-Board Meeting Webinar – August 3 @ 9:00 AM**
- **SBE Meeting – August 9, 2016**
 - **State Board of Education Meeting Room**
 - **1st Floor – Jefferson Building – Jefferson City**
- **Post-Board Meeting Webinar – August 16 @ 9:00 AM**

CEEDAR

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Collaboration for Effective Educator Development, Accountability, and Reform

- **CEEDAR/Missouri Partnership**
 - **University Partners**
 - **Avila University**
 - **University of Central Missouri**
 - **Missouri Baptist University**
 - **University of Missouri St. Louis**
 - **Missouri Council of Administrators of Special Education (MoCASE)**



Mission & Focus

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- **Mission:**
 - Create aligned professional learning systems
 - Provide teachers and leaders opportunities
 - Enhance core and specialized instruction to support students in achieving college and career ready standards in inclusive educational settings.

- **Focus:**
 - Preparation of Teachers
 - Preparation of School Leaders



State Leadership Team Meeting

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- **April 29 – Truman Office Building**
 - **Agenda – Field & Clinical Experiences**
 - **CEEDAR/Missouri Blueprint**
 - **Two Subcommittees**
 - **Educator Preparation Subcommittee**
 - **Policy Subcommittee**
- **Importance of Collaborating with MoTEP**



Academic Integrity

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- **Important Aspect for Colleges/Universities and Assessment Companies**
- **Recent Trends**
 - **Paper-Based Testing**
 - **Computer-Based Testing**
 - **Performance Assessments**
 - **Evaluation Systems group of Pearson**
 - **Educational Testing Service**



Importance of Process

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- Review responses for ALL candidates
- Cumulates responses over time
- Considers responses, artifacts, and ETS Library of Examples
- Eliminates language similarities found in the prompts, stems, etc.
- Establishes a two-tier review system
- Referred to DESE for final decision



Working with Candidates

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- ❑ Reviewed by the ETS – Office of Test Integrity
- ❑ Receives a certified letter indicating a concern
- ❑ Contact by candidate with EPP is optional.
- ❑ Provides an opportunity to respond
- ❑ Request to view the sources of duplication
- ❑ Submit explanation to ETS Board of Review
- ❑ Considered by Board of Review (3 Members)
- ❑ Forwarded to DESE – Unanimous decision
- ❑ Convenes a Review Panel for Final Action



Current Status

- **Fall Semester 2015**
 - **Missouri School Leaders Performance Assessment**
 - **Missouri School Counselors Performance Assessment**
 - **Missouri Pre-Service Teachers Assessment Video & Non-Video**
- **Review EPP Academic Integrity Policies**
- **Develop DRAFT policy & memo**



Contact Us – Office of Educator Quality

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