

**MISSOURI STATE BOARD OF EDUCATION AGENDA ITEM: June 2017**

**REPORT ON THE MISSOURI ASSESSMENT TECHNICAL ADVISORY COMMITTEE  
GRADE-LEVEL ASSESSMENTS AND END-OF-COURSE ASSESSMENTS**

**STATUTORY AUTHORITY:**

Section 160.526, RSMo

Consent  
Item

Action  
Item

Report  
Item

**DEPARTMENT GOAL NO. 1:**

All Missouri students will graduate college and career ready.

**SUMMARY:**

Each year, the State Board receives a report from the Assessment Technical Advisory Committee (TAC) per Section 160.526, RSMo. This national group of experts meets regularly and provides reports and advice to ensure the validity and reliability of the statewide assessments. This report will focus on the TAC's observations made during school year 2016-2017.

**PRESENTERS:**

Blaine Henningsen, Assistant Commissioner; and Lisa Sireno, Standards and Assessment Administrator, Office of College and Career Readiness, will assist with the presentation and discussion of this agenda item.



# Missouri Assessment Program Technical Advisory Committee Report

Missouri State Board of Education  
June 13, 2017



# Purpose

- Provide practical and technical advice regarding many elements of Missouri's statewide assessment
- Help ensure the technical quality of the Missouri Assessment Program
- Fulfill Missouri statute
- Meet federal peer review requirements



# Membership

- Expertise and practical experience
  - Assessment of student achievement
  - Measurement and psychometrics
  - Important considerations for state education agencies
- Current composition
  - State education agencies
  - Missouri local education agencies
  - Educational research and institutions of higher education
  - Educational service providers



# Meetings

- Minimum of three meetings each year
- In-person
  - Scheduled in advance
  - Coincide with cyclical assessment issues
- Web meeting
  - Called to accommodate atypical events



# 2016 Agenda Items

- March
  - Implications of new Missouri Learning Standards and Expectations and assessment changes
  - Alignment study
  - Standard setting plan
  - Revised test length plan
- July
  - Establishment of English language arts and mathematics cut scores and achievement levels in MAP grades 3 – 8
  - EOC biology performance



# 2016 Agenda Items

- August
  - Assessment results
  - Data forensics
  - Field testing plan
  - Blueprint review plan
- September
  - English language arts and mathematics draft blueprints
- December
  - Technical reports
  - Articulation between middle school and high school assessments
  - Linking, equating, scoring and scaling
  - Calibration and form rotation
  - Standard setting plan



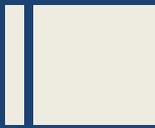
# Key Observations

- Technical documentation is comprehensive and appropriate the Missouri Assessment Program.
- Care should be exercised when presenting assessment results during times of change. Frequent changes to standards and assessments makes reporting trends over time difficult and open to misinterpretation.
- Multiple forms of a single assessment are necessary to appropriately address Missouri's content standards. The alignment to standards becomes stronger through aggregation of test forms over multiple years.



# Key Observations

- Reporting of sub-scores or sub-scale scores should be approached with caution and reporting of item level results is not recommended. However, the TAC recognizes that some sub-score reporting is necessary and provides cautionary advice.
- Time on testing in Missouri appears to be reasonable.



# Conclusion

“...the Missouri student achievement assessment programs for K-12 education are of high quality producing reliable and valid results for the purposes intended.”