



Friday Focus: Field Tests

12/04/2020

Welcome to Webinar #5

Field Tests – Why Do We Have Them?

- ✓ Please enter your First and Last Name in the Chat for tracking purposes for the live event.
- ✓ This webinar will be recorded and posted on the [ADE Assessments webpage](#).
- ✓ We will also be capturing the chat questions. If there are questions that were frequently asked or need further clarification, ADE will compile and create an FAQ which will then be distributed to DTCs.

Field Testing- Test Development

- ✓ Multiple steps and preparation before a test is operational
 - ✓ Items Developed
 - ✓ Item specifications
 - ✓ Item types
- ✓ Standards alignment
- ✓ Field testing
 - ✓ An essential step before any test is operationalized



Item Development

- ✓ Items are developed by the vendors and reviewed by ADE staff.
- ✓ Educators review each passage and item.
- ✓ After field testing, data review takes place to ensure items are valid.



Field Test Design

- ✓ Stand Alone Field Tests (SAFT)
- ✓ Embedded

- ✓ Given a year prior to the operational test

Field Test Design

- ✓ Stand-alone field tests
 - ✓ A sample – Representative of the population with the race/ethnic groups and program participation – ELL, SPED, Economic status
 - ✓ Or a census – Administered to every student eligible to take the test
- ✓ Embedded
 - ✓ Continuous process where test items are embedded into the test. These items are not scored. This is used in all our programs.

Field Test Design - Purpose

- ✓ Provide information on the items
- ✓ Timing – Completion/ omission rates
- ✓ Clarity
- ✓ Difficult levels
- ✓ Special instructions
- ✓ Is it working well for all groups?
- ✓ Does it give us information on students at all levels of mastery?
- ✓ Scoring rubrics – Validity – Are students able to score at each of the levels?

Purpose of Field Tests - Continued

- ✓ What is the percentage of students who answered the item correctly?
 - ✓ Informs test developers on how hard /easy the item is. Is it working as intended?
- ✓ What is percentage of students that picked each of the distractors?
- ✓ Are the distractors helpful? What does it mean if no students chose a distractor?

Purpose of Field Tests - Continued

- ✓ What percentage of students scored a 0, 1, or 2 in items that had multiple points or constructed response items. This helps test developers to evaluate the scoring rubrics and definitions of the different levels of mastery (below, average or above)
- ✓ The biserial correlation indicates whether there is a strong relationship between performance on an individual item and the total score.
- ✓ Analysis of time taken by each item. Did a lot of students omit a particular item?
- ✓ We also collect data on how technology is used for testing.

Upcoming Field Tests

- ✓ AzSCI Census Field Test – Spring 2021
- ✓ MSAA Science - 2021
- ✓ AZELLA Stand Alone Field Test – Spring 2021

Tests with embedded field test items

- ✓ AASA- Spring 2022



Friday Focus: Field Tests

AZELLA Field Test

Spring 2021 AZELLA Stand Alone Field Test

- Aligned to 2019 English Language Proficiency Standards
- Passages and items were developed by item writers and reviewed by committees of Arizona educators for content, bias, and sensitivity
- Twelve test forms per grade/grade band
- No student or school results
- Data will be reviewed with Arizona educators
- Kindergarten – Grade 12

Spring 2021 AZELLA Stand Alone Field Test (cont'd)

- All English Learners
- Test window: February 1 – April 3, 2021
- Approximately half the length of an operational AZELLA
- Three Test Units
- Four domains
- Up to five consecutive instructional days for administration, one or two days recommended



AZELLA SAFT Test Design

- Thematic approaches to content to allow students to reduce the need for cognitive shifts within a session.
- Thematic approach will support related content that a student can use to respond to the speaking or writing prompts.

AZELLA SAFT Modes of Administration

- **Kindergarten** – paper-and-pencil, Unit C (Speaking) phone administration
- **Grade 1** – paper-and-pencil, Unit C (Speaking) phone administration
- **Grades 2 – 3** –online, Extended Writing item paper-and-pencil
- **Grades 4 – 5** –online
- **Grades 6 – 8** –online
- **Grades 9 – 12** –online



Friday Focus: Field Tests Achievement Tests

Item Development Process

Note:

- ✓ Educators review each passage and item
- ✓ Parents and Community Members are invited to review items and passages
- ✓ After field testing, data review takes place to ensure items are valid.

<https://www.azed.gov/assessment/educators>

<https://www.azed.gov/assessment/parents>



Achievement Assessments

AzM2

Last year of contract;
no embedded items
this year

Previously had 7
items per assessment

Field test items do not
count for student
score

AzSCI

First year of contract;
entire field test

All items are new

No student or school
results for the field
test

AASA

Under Development
– 2020-2021

Operational test –
Spring 2022



Embedded Field Test Items

- Operational test have 6-7 field test items per test
- Educator and community/parent review groups
- Data Review following test window
- If an item performs as expected and does not discriminate among any student subgroups, it is placed in the Item Bank for use in future assessments.

AzSCI Census Field Test

- Items were developed by item writers and reviewed by Arizona educators
- Grades 5, 8, and 11
- Fourteen test forms
- Students see 22 items during two test sessions (60 minutes each)
- No student/school results
- Summer data review with Arizona educators



Friday Focus: Field Tests Alternate Assessments



Alternate Assessments

MSAA ELA, Mathematics, and Science

- For students with the most significant cognitive disabilities
- Students must meet [eligibility criteria](#) as determined by the IEP team

- No longer administering AIMS A Science



MSAA ELA and Mathematics

- Grades 3-8 and 11
- Aligned to Core Content Connectors
- Test Content is at grade level

MSAA Science

- Grades 5, 8, and 11
- Aligned to [Extended Performance Expectations](#)
- Test content is in grade bands



MCAA ELA and Mathematics

- First administered operationally in 2015 (NCSC)
 - Replaced AIMS A Reading and AIMS A Mathematics
- Stage adaptive test with three levels of complexity
- Added operational writing prompts in 2018

- Embedded field test-10 items on each of 3 forms per grade and content area



MSAA Science

- Replaces AIMS A Science
- Field testing Spring 2021
 - One form, 16 sets of three items
- Operational Spring 2022

Questions



Contact us at
Testing@azed.gov
AzM2@azed.gov
AzSCI@azed.gov
AZELLA@azed.gov
AssessingSWDs@azed.gov