STAR Early Literacy Enterprise

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| Criterion | Specific Indicators | Rating | Feedback from Reviewers | Tally of rating |
| Validity, Reliability and Consistency in Scoring |  |  |  |  |
| Evidence of test reliability and consistency in scoring   | Results of reliability studies are reported for each grade assessment**Evidence includes:** The studies are appropriate given the purpose of the measure.For each grade-level, studies provide evidence of:* Split-half reliability
* Coefficient alpha
* Test-retest reliability
* Classification consistency
 | **DOES NOT MEET**-evidence was not provided for this criteria or information does not demonstrate evidence. (0)**PARTIALLY MEETS-**partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence. (1)**MEETS OR EXCEEDS** –most information for the criterion is provided. Information and data provided suggests acceptable or strong evidence. Correlations demonstrate ranges of .7 or higher. (2) | Overall reliability of scores was .95. Highest at grades 10, 11, and 12. Split-half .92 (no grade indicated) and lowest was .88 at first grade. Alternate form reliability is .91. Sample size are very large, especially at grades 1-3 (over 10,000)  | Does Not Meet:Partially Meets:Meets or Exceeds:II |
|  | Standard error of measurement or standard estimate of error is reported**Evidence includes:** * SEM estimates are reported for score ranges and cut-scores.
* SEM estimates are reported for score ranges and cut-scores for each assessment (grade-level, form, subtest).
 | **DOES NOT MEET-**evidence was not provided for this criteria or information does not demonstrate evidence. (0)**PARTIALLY MEETS-**partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence**.** (1)**MEETS OR EXCEEDS --**Information and data provided suggests acceptable or strong evidence. (2) |  Lowest SEM 36, 41 and 48 in grades 1-3 respectively. NA | Does Not Meet:Partially Meets:Meets or Exceeds: I |
|  | Inter-rater reliability studies have been conducted. Study sample used to establish inter-rater reliability represents test administrators. **Evidence includes:*** Inter-rater reliability studies have been conducted for each grade level and are based on a representative sample of educators who will administer and score the assessment.
* Inter-rater reliability coefficients exceed .7.
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|  | Studies have been conducted to establish reliability with all subcategories of students who will take the assessment.**Evidence Includes:**Studies that demonstrate reliability has been established from scoring samples of students that include: Non-ELLs with and without reading deficiencies and ELLs with and without reading deficiencies. | **DOES NOT MEET**-evidence was not provided for this criteria or information does not demonstrate evidence. (0)**PARTIALLY MEETS-**partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence**.** (1)**MEETS OR EXCEEDS** –most information for the criterion is provided. Information and data provided suggests acceptable or strong evidence. (2) | Analyze the SEM for various sub groups, including Black, Hispanic, and White. Same is done for Split-half reliability. ELL students in sub-groups are not described.  | Does Not Meet: IPartially Meets: IMeets or Exceeds: |
| Alternative forms available for multiple assessments with demonstrated equivalence or comparability | If alternative forms are provided, all forms have demonstrated evidence of equivalence or comparability such as test-retest, parallel form and internal consistency.* Technical reviews indicate all forms for each grade level have demonstrated evidence of comparability and content specifications.

**Evidence includes:*** Sufficient forms are provided to allow for progress monitoring between interim assessments.
* Split-half reliability.
* Coefficient alpha reliability.
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| Evidence of content and construct validity  | Evidence reported to demonstrate the assessment helps correctly identify students with *“significant reading deficiencies”* so that successful remediation and intervention can be provided; studies have been conducted with similar assessments to show that the assessment measures reading ability, not other irrelevant criteria.**Evidence includes:*** A clear description is provided that demonstrates the purpose of the assessment is to screen students for reading concerns.
* Content specifications for each grade-level, including a complete description of the test content, purpose(s), and intended use(s), and assessment blueprint as appropriate, is provided.
 | **DOES NOT MEET**-evidence was not provided for this criteria or information does not demonstrate evidence. (0)**PARTIALLY MEETS**-partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence. (1)**MEETS OR EXCEEDS** –most information for the criterion is provided. Information and data provided suggests acceptable or strong evidence. (2 | Blueprint is provided. Validity measures are high. .67 and higher.  | Does Not Meet:Partially Meets:Meets or Exceeds:II |
|  | Reading levels are reported for passages and how levels were established. Reading levels of assessment passages have been field-tested or have other evidence.**Evidence includes**:* Field testing populations should be clear and should mirror the school/district demographics.
* Statistics used to establish the reading levels are reported with both ELL and Non-ELL populations.
* Findings from a content review by field experts, including teachers in tested grade levels.
 | **DOES NOT MEET**-evidence was not provided for this criteria or information does not demonstrate evidence. (0)**PARTIALLY MEETS**-partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence. (1)**MEETS OR EXCEEDS** –most information for the criterion is provided. Information and data provided suggests acceptable or strong evidence. (2 |  | Does Not Meet: IPartially Meets:Meets or Exceeds:I |
|  | If appropriate, findings from alignment studies to demonstrate alignment with Colorado Academic Standards for Language Arts and resolution for any resulting concerns. | **DOES NOT MEET**-evidence was not provided for this criteria or information does not demonstrate evidence. (0)**PARTIALLY MEETS**-partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence. (1)**MEETS OR EXCEEDS** –most information for the criterion is provided. Information and data provided suggests acceptable or strong evidence. (2) |  | Does Not Meet:Partially Meets:Meets or Exceeds:II |
|  | There are studies of construct validity, such as convergent and discriminant analysis, demonstrating correlations of .7 or above. | **DOES NOT MEET**-evidence was not provided for this criteria or information does not demonstrate evidence. (0)**PARTIALLY MEETS**-partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence. (1)**MEETS OR EXCEEDS** –most information for the criterion is provided. Information and data provided suggests acceptable or strong evidence. (2) |  | Does Not Meet: IPartially Meets:Meets or Exceeds:I |
| Evidence of criterion/predictive validity accurately identifying students with *“significant reading deficiency”*  | Evidence reported to demonstrate that the assessment has established criterion and/or predictive validity to correctly identify students with and without a *“significant reading deficiency.”****Evidence includes:**** A clear definition of the criterion or measure that were used to establish concurrent validity.
* Studies with similar assessments that demonstrate the assessment measures reading ability, not other irrelevant criteria. Predictive validity correlations above .7.
 | **DOES NOT MEET**-evidence was not provided for this criteria or information does not demonstrate evidence. (0)**PARTIALLY MEETS**-partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence. (1)**MEETS OR EXCEEDS** –most information for the criterion is provided. Information and data provided suggests acceptable or strong evidence. (2) | The rater’s noted a concern because of the lack of application at kindergarten and the lack of early literacy focus. The test is designed for students who have a 100 word reading vocabulary.  | Does Not Meet:Partially Meets: IIMeets or Exceeds: |
| Determination of cut-scores based upon well-designed pilot study  | The assessment has established cut-scores for decision making about students’ “*significant reading deficiency”* using adequate demographics representing (i.e., 10%ELL and 25% F/R lunch), appropriate criterion assessment, adequate sample size, and appropriate statistics.**Evidence indicates**: * Includes a description of the process used to establish the cut points.
* A full description of the norming sample.
* The norming sample is a large representative national sample of students at the same grade level and is representative of the testing population according to gender, ELL status, special needs status and F/R lunch status.
 | **DOES NOT MEET**-evidence was not provided for this criteria or information does not demonstrate evidence. (0)**PARTIALLY MEETS**-partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence. (1)**MEETS OR EXCEEDS** –most information for the criterion is provided. Information and 2data provided suggests acceptable or strong evidence. (2) | Kindergarten is of concern because this was not designed for them.  | Does Not Meet:Partially Meets: IIMeets or Exceeds: |
|  | Studies of classification accuracy analysis provide evidence that the measure appropriately identifies students as indicated in the description of purpose of the assessment, demonstrating values that exceed .8 or higher.  | **DOES NOT MEET**-evidence was not provided for this criteria or information does not demonstrate evidence. (0)**PARTIALLY MEETS**-partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence. (1)**MEETS OR EXCEEDS** –most information for the criterion is provided. Information and data provided suggests acceptable or strong evidence. (2) | Kindergarten is a concern  | Does Not Meet:IPartially Meets:IMeets or Exceeds: |
|  | Acceptable, recognized procedures are followed for setting cut-scores. | **DOES NOT MEET**-evidence was not provided for this criteria or information does not demonstrate evidence. (0)**PARTIALLY MEETS**-partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence. (1)**MEETS OR EXCEEDS** –most information for the criterion is provided. Information and data provided suggests acceptable or strong evidence. (2) |  | Does Not Meet:Partially Meets: IMeets or Exceeds: I |
|  | SEM estimates are reported for cut-scores with guidance for score interpretation. | **DOES NOT MEET**-evidence was not provided for this criteria or information does not demonstrate evidence. (0)**PARTIALLY MEETS**-partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence.(1)**MEETS OR EXCEEDS** –most information for the criterion is provided. Information and data provided suggests acceptable or strong evidence. (2) | N/A computer adaptive assessment | Does Not Meet:Partially Meets: IMeets or Exceeds: |
| Universal Design  | Evidence reported to demonstrate that the assessment has cultural validity, that fairness and bias issues have been addressed; the assessment is accessible to all learners, considering minimizing language load; the format is not a barrier to student performance.**Evidence includes:** * Addressed issues of equity of utility for all populations**.**
* Results of bias reviews and plans that have addressed any concerns.
* At least two to three types of classification, reliability, and validity study data have been disaggregated by subgroups and meet the criteria.
* Culturally diverse students were included throughout the entire process of test development. For example in the samples of pilot students, in cognitive interviews, etc.
* The content of the reading materials does not favor mainstream culture.
 | **DOES NOT MEET**-evidence was not provided for this criteria or information does not demonstrate evidence.(0)**PARTIALLY MEETS**-partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence. (1)**MEETS OR EXCEEDS** –most information for the criterion is provided. Information and data provided suggests acceptable or strong evidence. (2) |  | Does Not Meet:Partially Meets:Meets or Exceeds:II |
| Third party evaluation conducted  | Evidence reported to demonstrate that an independent, qualified third party has provided a thorough and unbiased evaluation of the quality of the assessment. | **DOES NOT MEET**-evidence was not provided for this criteria or information does not demonstrate evidence. (0)**PARTIALLY MEETS**-partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence. (1)**MEETS OR EXCEEDS** –most information for the criterion is provided. Information and data provided suggests acceptable or strong evidence. (2) |  | Does Not Meet:Partially Meets:Meets or Exceeds: II |
| Standardization of materials and procedures for administration  | Administration protocol is scripted and provides precise guidelines; administration windows are clearly identified; materials are provided or clear guidelines are provided if materials are to be created; includes both electronic and hard copy administration manual that is clear and concise. | **DOES NOT MEET**-evidence was not provided for this criteria or information does not demonstrate evidence. (0)**PARTIALLY MEETS**-partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence. (1)**MEETS OR EXCEEDS** –most information for the criterion is provided. Information and data provided suggests acceptable or strong evidence. (2) |  | Does Not Meet:Partially Meets:Meets or Exceeds: II |
| Efficiency of administration  | The amount of time needed to administer the assessment is reasonable and balanced to the information provided. | **DOES NOT MEET**-evidence was not provided for this criteria or information does not demonstrate evidence. (0)**PARTIALLY MEETS**-partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence. (1)**MEETS OR EXCEEDS** –most information for the criterion is provided. Information and data provided suggests acceptable or strong evidence. (2) |  | Does Not Meet:Partially Meets:Meets or Exceeds: II |
| Efficiency of scoring  | The amount of time needed to score the assessment is reasonable and balanced to the information provided; computer-assisted scoring is available; procedures for calculating scores are clear; scores can be stored and reported electronically. |  |  | Does Not Meet:Partially Meets:Meets or Exceeds: II |
| Accommodations clearly stated and described for students with disabilities and students with special needs (504, etc.) | The differing needs of students with disabilities are specifically addressed.**Evidence includes:*** Any accommodations do not compromise the interpretation or purpose of the test.
* Specific administration guidelines are provided for implementing any accommodations.
* How to address accommodations is specifically addressed in the training materials or program.
* Suggested accommodations are research or evidence-based.
 | **DOES NOT MEET-**evidence was not provided for this criteria or information does not demonstrate evidence. (0)**PARTIALLY MEETS-**partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence. (1)**MEETS OR EXCEEDS –**most information for the criterion is provided. Information and data provided suggests acceptable or strong evidence. (2) | Not in addressed depth | Does Not Meet:Partially Meets: IMeets or Exceeds:I |
| Accommodations clearly stated and described for Second Language Learners  | The accommodations directly address the linguistic needs of the student.**Evidence includes**: * Any accommodation does not compromise the interpretation or purpose of the test.
* Specific administration guidelines are provided for implementing any accommodations.
* How to address accommodations is specifically addressed in the training.
* Suggested accommodations are research or evidence-based.
 | **DOES NOT MEET**-evidence was not provided for this criteria or information does not demonstrate evidence. (0)**PARTIALLY MEETS**-partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence. (1)**MEETS OR EXCEEDS** –most information for the criterion is provided. Information and data provided suggests acceptable or strong evidence. (2) | Not addressed in depth | Does Not Meet:Partially Meets: IMeets or Exceeds: I |
| Scores are easily interpreted to determine a *“significant reading deficiency”*  | Scores clearly specify whether a student is categorized as having a *“significant reading deficiency”.* **Evidence includes:*** Score ranges or a scale is provided.
* Guides for interpretation of scores are provided.
 | **DOES NOT MEET**-evidence was not provided for this criteria or information does not demonstrate evidence.(0)**PARTIALLY MEETS**-partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence. (1)**MEETS OR EXCEEDS** –most information for the criterion is provided. Information and data provided suggests acceptable or strong evidence. (2) | Concern regarding kindergarten appropriateness and early literacy skills addressed.  | Does Not Meet:Partially Meets: IMeets or Exceeds: I |
| Cost effective: Materials, administration costs including personnel, scoring, and training  | Materials are provided or easily accessible; time away from instruction is minimal; no additional personnel required; all costs inclusive including any additional data platform or storage costs; minimal data entry is required. | **DOES NOT MEET**-evidence was not provided for this criteria or information does not demonstrate evidence.(0)**PARTIALLY MEETS** -partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence (1)**MEETS OR EXCEEDS** –most information for the criterion is provided. Information and data provided suggests acceptable or strong evidence. (2) | Reviewers were not able to determine specific cost.  | Does Not Meet:Partially Meets: IMeets or Exceeds:I |
| Reports provide guidance for interpretation useful to educators, administrators, and parents  | Information is displayed in a format and language that is understandable to educators, administrators and parents;* Data reports are easily read and interpreted.
* Clear description of how to interpret results.
* Reports provide trajectory for student progress.
* District, school, classroom, and student reports provided.
* Reports available in real-time.
* Reports can be exported to data-base formats.
* Reports available in languages other than English.
* Customer service is available provided for users.
 | **DOES NOT MEET**-evidence was not provided for this criteria or information does not demonstrate evidence. (0)**PARTIALLY MEETS**-partial evidence was provided related to the criterion and/ or data provided demonstrates weak evidence. (1)**MEETS OR EXCEEDS** –most information for the criterion is provided. Information and data provided suggests acceptable or strong evidence. (2) |   | Does Not Meet:Partially Meets:Meets or Exceeds: II |

Strengths and Weaknesses:

 **Strengths:**

1. Strong reliability and validity.
2. Strong connection to Colorado Academic Standards and Common Core State Standards.
3. Utility is high, clear cut-scores and reports
4. Correlates to foundational skills and standards

**Weaknesses:**

1. Does not meet the purpose of a screener for kindergarten-grade 3.
2. Early literacy skills does not go low enough for kindergarten (phonemic awareness)
3. Specificity of research base is weak, needs to be addressed more thoroughly

Recommended: XX

Not Recommended: