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Technical Skill Attainment

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Current CTAE Data Collection Methods

❖ Currently:

- o Utilizing grades obtained from CTAE courses
- o No official organized CTAE assessment program with reportable and comparable data

Where do we need to be?

- Measures must be “*valid and reliable* and include at a minimum challenging academic standards and *attainment of skill proficiencies*, including *achievement on technical assessments that are aligned with industry recognized standards*” [b.2.A]

Section 113: Accountability

(Secondary Indicators-Core Indicator 2S1)

New Measurement Process for Georgia

❖ End-of-Pathway Assessments that are:

- o External, national third-party assessments
- o Industry-Based Standards
- o Valid
- o Reliable



Step 1: Established SME Panels

- ❖ Subject Matter Expert (SME) Panel included representation from the following entities:
 - *Secondary*
 - *Post-Secondary*
 - *Business/Industry*
 - *CTAE Administration*
- ❖ Teams consisted of 4-6 members.
- ❖ Designated one SME team member as the group facilitator.
- ❖ Teams were compensated.
- ❖ Accomplished in four work sessions

Step 2: Identifying Existing Assessments

- ❖ SME panel members were charged with:
 - Researching existing assessments.
 - Evaluating existing assessments.
 - Ensuring that exam was reliable and valid.
 - Utilizing a criteria listing to determine usability. (43 criteria items)

Critical Criteria

Requiring a “YES” Rating

- *Is the assessment company reputable and recognized in CTE community?*
- *Is the assessment based on a set of industry competencies or credentialing standards?*
- *What percentage of the competencies on assessment aligns with GPS?*
- *Are tests current and is there a revision schedule?*
- *Validity information available?*

Requiring a “YES” Rating

- *Appropriate testing security procedures in place?*
- *Appropriate accommodations for special populations?*
- *Can test be administered on-line and through paper copies?*
- *Can testing organization provide accurate feedback regarding performance? For local and state reporting?*
- *Reasonably priced?*

Step 3: Three Options

❖ *After an extensive evaluation process, SME Panel had three options:*

- use an existing exam in current format
- modify an existing exam to align with GPS
- create an exam that aligns to GPS

❖ **Options chosen:**

- Modified five exams: Agriscience, Computing, Engineering, Marketing & Management; and, Nursing (NOCTI/Mark Ed)
- Used existing exams: Small Business Development, Transportation Logistical Operations and Support (Mark Ed/NATEF)

End-of-Pathway Assessments

❖ Components:

❖ Written:

- 90 multiple choice questions aligned directly with the GPS for the written portion
- 90 minutes in duration

❖ Performance:

- Performance portion to be implemented at a later date; will also be 90 minutes in duration.
- Will consist of 1-4 jobs to be completed by student during exam.

Student Participation

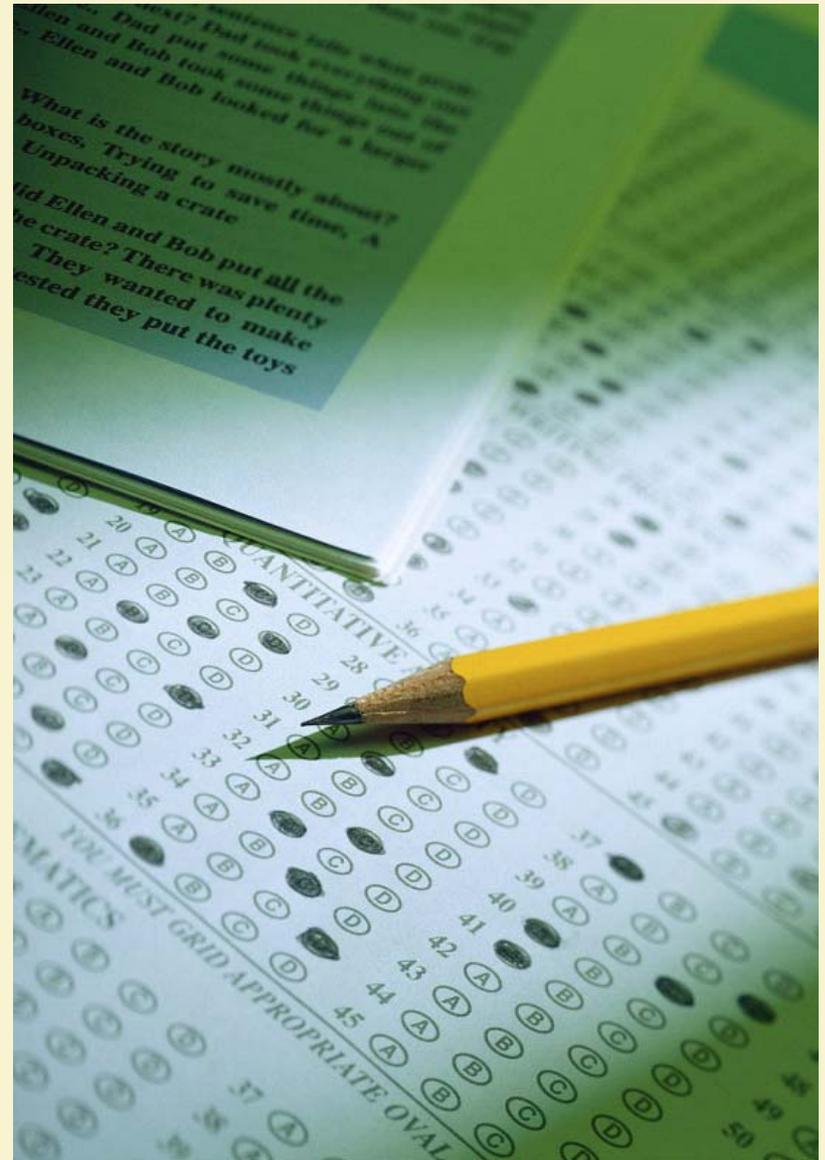
- ❖ Which students will take the end-of-pathway assessments?
 - All students will not be required to take the exam
 - Pathway Completers: Students who complete the three designated courses within a career pathway will be eligible to take exam.
 - CTAE directors will work with instructors to identify students.



TEST FACILITATION AT THE LOCAL LEVEL

CTAE Resource Network will act as a clearinghouse to assist local systems in facilitating the testing process:

- *Obtain names of test takers*
- *Work with testing agencies in providing testing procedures to proctors*
- *Collecting student identification numbers, sign on procedures (on-line testing process)*
- *Ensuring that test data is provided back to local systems*
- *Keeping records of certificates & licensures obtained by students*



Phase II Assessment Identification Process

❖ *Phase II will:*

- Begin this October, and will conclude February 2009
- Include 10 pathways
- Follow the same identification/development procedures as Phase I
- Part 2 of Phase II, III subsequently in the coming years

❖ *Phase I - Piloting Testing:*

- December 2008
- Modified Exams

❖ *Phase I - Actual Testing:*

- April – May, 2009