

# Process Used to Select Technical Skills Assessments for Michigan CTE Programs



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# Presentation Overview


- Background: Legislative requirements
- Test selection process
- Test development process
- “New” information
- Opportunity for questions and comments



# Carl D. Perkins Act Of 2006

## **Sec 113 Accountability**

- Establishes state and local accountability system
- To assess the effectiveness of recipients in achieving progress in CTE
- To optimize the return on investment of Federal Funds in CTE



## Sec 113(b)2ii requires:

...student attainment of career and technical skill proficiencies, including student achievement on technical assessments that are aligned with industry recognized standards, if available and appropriate.



# 2 S1 CPI Requirement

## **Sec 113(b)2B(i): (CPI)**

Recipients must measure, using valid and reliable measures :

- Student attainment of challenging CTE skill proficiencies, including student achievement on technical assessments, that are aligned with industry-recognized standards, if available and appropriate.

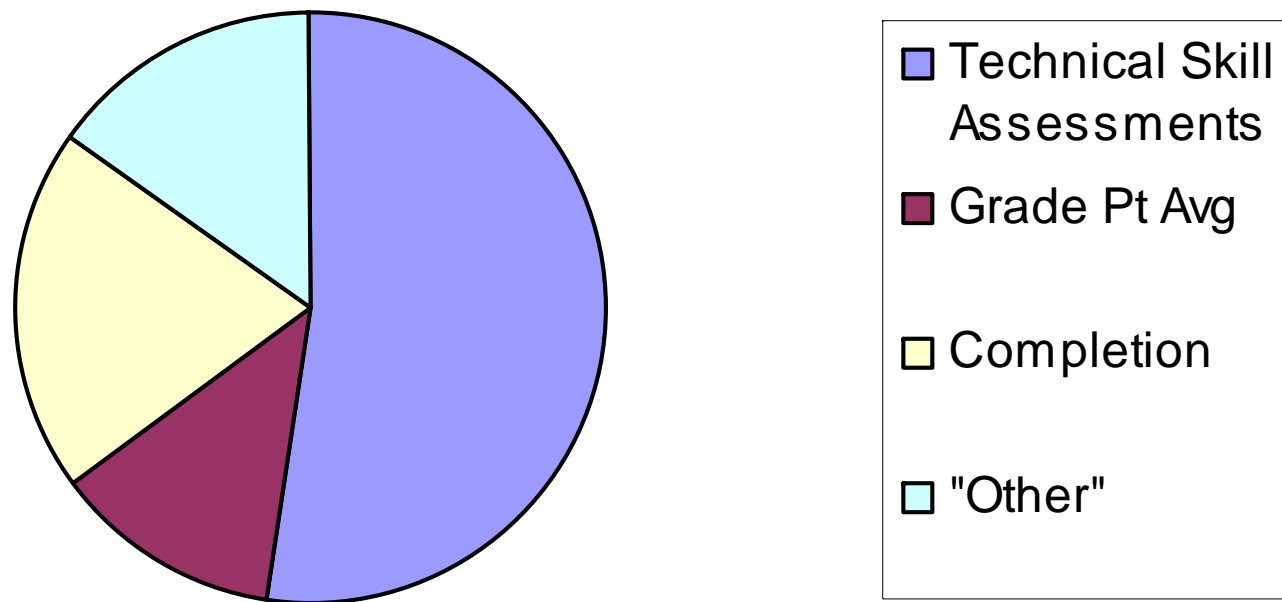


# Permissible use of funds

- Sec 124(C)14: State Leadership Activities may include developing valid and reliable assessments of technical skills.

# National Approaches

## State approaches to providing Data on CPI 2S1



# Assessment Selection Process





# Background

- Study by Southern Regional Educational Board (SREB)  
“Measuring Technical and Academic Achievement: Employer/Certification Examinations Role in High School Achievement”

Available: [www.sreb.org](http://www.sreb.org)



# Background: SREB study

- Purpose of study: Review of the quality, content and rigor of external examinations relevant to CTE
- Developed set of criteria for reviewing and recommending examinations



# Essential Criteria (SREB study)

- Examination is—
  - Standardized
  - Independently Graded
  - Knowledge-based
  - Administered nationally or internationally



# Essential Criteria (SREB study)

- Examination—
  - Results in recognized credential
  - Results are available immediately
  - Cut scores set using standards-setting process
  - Represents employer relevance
  - Sufficiently linked with academic subjects



# OCTE selection process

- Continuous review and refinement:
  - New information from OVAE
  - Experience
  - New information from other states
  - Changing Resources



# Selection Process: Key Elements

Identify Existing Assessment



Appropriate Content?

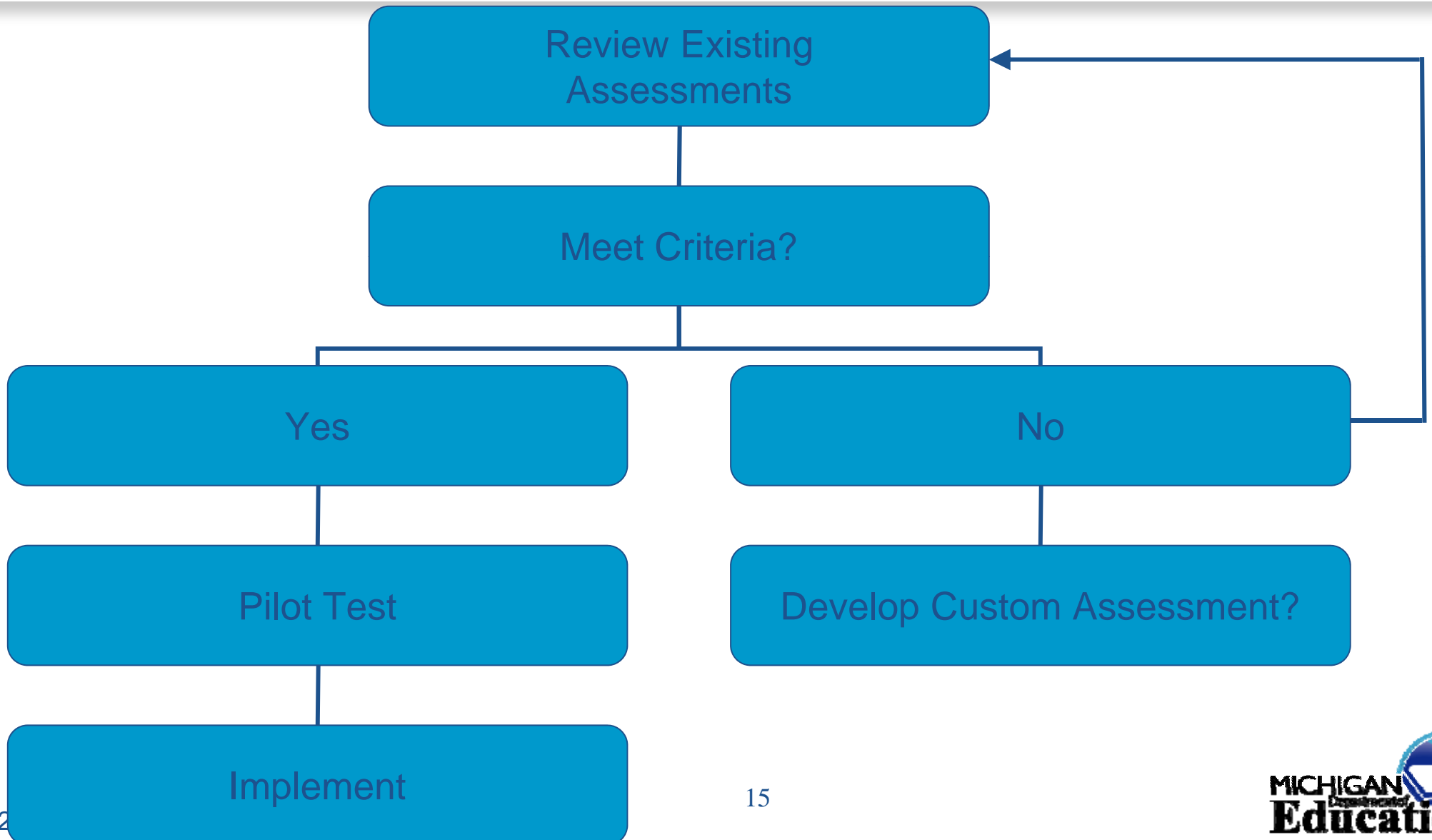


Feasible?



Reliable/Valid?

# Selection Process





# Assessment Selection

- Criteria still being refined.
  - Appropriate measure for secondary program?
  - Cost
  - Feasible to administer?
  - Scores available?
  - Reliable and Valid?



# PREFERRED:

- Identify existing assessments:
  - National assessment
  - Industry-recognized credential
  - Reliable and valid
  - Affordable
  - Scores available



# Development Process

- Cluster advisory group
- Assessment and Accountability Advisory Group
- Statement of Work developed
- Review of proposals



# Development Process

- Content definition: Prioritize standards
- Test Specifications/Test Blue Print



# Item Development

- Identify item-writers (instructors)
- Train item-writers
- Item-Writing workshop
- Review items
- Revise items
- Item Bias Review



# Pilot Testing

- Pre-Pilot (small group/informal)
- Revise assessment
- Identify pilot test sites
- Main Pilot test (Field test)
- Reliability/Validity Analysis
- Revise Assessment



# Prepare Test Form(s)

- Design test form (with assessment delivery source)
- Prepare administration instructions
- Assessment reviewed:
  - Cluster Advisory Group
  - Assessment & Accountability Advisory Group
- Test form approved



# Set Cut Score

- Identify cut score setting group
  - Postsecondary, secondary, business/industry
- Hold cut score setting meeting
- Analyze data
- Committee recommends cut score to OCTE
- OCTE recommends cut score to State Board
- State Board approves assessment and cut score



# Implementation

- Assessment entered into online assessment system
- Deliver assessment
- Evaluate assessment and process:
  - Student, Teacher, Proctor evaluations



# Cluster Advisory Groups

- Employer partners
- Postsecondary educators
- Secondary educators
- Cross-section of state
- CEPD Administrator
- Member of Assessment & Accountability Advisory Group



# Assessment & Accountability Advisory Group

- CEPD Administrators
- District Assessment, Evaluation, Measurement staff
- Postsecondary representatives
- OCTE staff
- Community College Services Unit
- Off. of Education Assessment & Accountability

# Questions?





# Contact Us

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