



# NATIONAL EXTERNAL DIPLOMA PROGRAM: TASK DEVELOPMENT

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- Developments in the assessment world
- The importance of performance indicators
- Turning performance indicators into task items
- Developing task items
- CASAS Task development plan



# New Developments in Assessment

- Evolution in assessment delivery
  - Print-based → computer-based → web-delivered
- Advent of NGA Common Core Standards
  - Joint initiative of National Governors Association and Council of Chief State School Officers
  - Integrates K-12 with College and Career Readiness Standards
  - 48 states have signed on
  - NEDP will be aligned

# Importance of Performance Indicators

- Critical step in Task development
- Define program content and standards
  - Client self-assessment
  - Client demonstration
  - Assessor verification
- Provide clear and measurable specifications for assessment item writers
  - Task activity
  - Scoring rubric and guidelines
  - Alternate item forms (spot check, PTA)
- Documented in NEDP Technical Manual



# Development of Performance Indicators

1. Draft PI statements
2. External “SME” review – content relevance, criticality, breadth, fairness
3. Numeric rankings based on SME results
4. External measurement review – comprehensiveness, measurability, “grain size”
5. Depth of Knowledge review – based on Norman Webb’s DOK model
6. Validation by advisory groups
7. Final PI statements – ready for task item development

# Creating the NEDP Blueprint

- Group performance indicator content into broad NEDP Tasks
- Ensure adequate and balanced distribution of foundation competencies:
  - Communication and Media Literacy
  - Applied Math/Numeracy
  - Information and Communication Technology (ICT)
- Document depth of knowledge levels
  - Culminating in Webb DOK Level 3 for each competency area
- Format Task activities in week-size “chunks” – balanced between activities and spot checks

- Define item specifications, based on validated performance indicators
- Research content, as necessary
- Select online template
- Draft item mockup
- Program online task item
- Link to NEDP Portfolio

# Task Item Components

- Introduction – similar to current task booklets
- Activity – with instructions
- Resources – similar to current Appendix
  - Web links, pdf documents, video/audio clips, etc.
- Spot check
- Post-task assessment
- Portfolio correction

# Sample Online Item Prototypes



# Task Development Process

- Clinical tryouts of online item prototypes
  - Conducted by CASAS staff with NEDP clients and assessors
  - Produces real-time feedback on clarity, navigation, ease of use
- Field testing of task items
  - One competency area at a time, starting with Health Literacy
  - Clients who take field test items will not take print-based items
  - ICT requirements will be clearly defined
  - Testing burden will be spread equitably across sites

- Enhanced NEDP Portfolio available
- Sites encouraged to begin using July 1<sup>st</sup> with new clients
- Required for participation in field testing

# Task Development Timeline

- Clinical tryouts of item prototypes
  - Fall 2010
- Field testing of task items, by competency area
  - Fall 2010 through 2012
- Final analysis and validation
- Full implementation of web-delivered NEDP

# i3 Assessment Development Timeline

## Develop quality performance assessments (Obj. 3)

### Year One:

- Finalize assessment Blueprint, with input from NEDP Test Development Task Force; train item writers in Blueprint specs
- Develop 40% of assessment items (including assessment task prompt, display, scoring rubrics)
- Conduct validity testing and analysis:
  - Small-scale pilot and analysis; refine items
  - Field-test training and materials (scoring guidelines)
  - Large-scale field test, validity analysis (to following year)
  - Validate assessment items

### Year Two:

- Convene Test Development Task Force – continuing input
- Develop 40% of new assessment items
- Conduct validity testing and analysis for year two items

### Year Three:

- Convene Test Development Task Force – continuing input
- Develop 20% of new assessment items
- Conduct validity testing and analysis activities for year three items

### Year Four:

- Convene Test Development Task Force – continuing input
- Continue conducting final validity testing and analysis of all

### Year Five:

- Full implementation of redeveloped NEDP assessments

## Develop Web-based assessment delivery (Obj. 4)

### Year One:

- Design and develop Web delivered assessment platform: database, data access, business logic, user interface
- Conduct clinical tryouts of test item prototypes (user interface)
- Design and develop framework for interface structure
- Develop secure browser for delivering assessment
- Computerize 40% of Web based assessment items (including interface, response, scoring, storage)

### Year Two:

- Complete all development activities started in Year One
- Pilot test the Web delivered platform
- Develop and implement the assessor module
- Make refinements to platform based on pilot test feedback
- Computerize 40% of Web based assessment items (including interface, response, scoring, storage)

### Year Three:

- Continue pilot testing and making refinements
- Computerize 20% of Web based assessment items (including interface, response, scoring, storage)

### Year Four:

- Modify and refine the Web based assessment items according to psychometric and user feedback
- Full implementation of Web-delivered assessment system

### Year Five:

- Full implementation of Web-delivered NEDP assessments

# Thank You For Attending

- We value your feedback!
  - After the Institute, you'll receive an e-mail with a link to the evaluation.
  - Please take a moment to let us know what you think about the Institute, the sessions, and the location.
  - We will use your feedback to plan next year's Institute.
- Don't forget!
  - Visit the Resource & Tech Exhibit
    - Golden Foyer
      - Thursday & Friday, 8:00 am-5:00 pm
      - Saturday, 7:30 am-1:00 pm
  - Attend the Poster Session
    - Saturday, 8:00-9:15 am

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