



Setting Performance Standards for the Hawaii State Alternate Assessments: Reading, Mathematics, and Science

Presentation for the Hawaii State Board of Education
Student Achievement Committee

July 2, 2013



HSA-Alt Operational Field-Test Administration

The 2013 HSA-Alt Operational Field Test was administered between April 1 and May 3, 2013.

- Reading
 - Grade Bands 3–5, 6–8, and 10
- Mathematics
 - Grade Bands 3–5, 6–8, and 10
 - Science
 - Grade 4, 8, and 10 (Biology)



Student Participation

Subject	Grade	Total Enrolled	Total Tested	% Tested	% Tested by Subject
Reading	3-5	332	263	79%	79%
	6-8	280	242	86%	
	10	85	49	58%	
Mathematics	3-5	332	260	78%	78%
	6-8	280	238	85%	
	10	85	48	56%	
Science	4	107	76	71%	69%
	8	77	68	88%	
	10	85	42	49%	



What Is Standard Setting?

Standard setting is a systematic process for identifying cut scores on a test that indicate an established level of proficiency.

Standard Setting Workshop

June 12–13, 2013

The Department is recommending three performance standards (cut scores) to differentiate four performance levels:

Performance Standards (Cut Scores)	Performance Levels
	Well Below
Approaches	Approaches
Meets	Meets
Exceeds	Exceeds



General Workshop Organization Panelists

- A total of 74 panelists participated in the Standard Setting workshop.
- The composition of the panel represented a diverse cross-section of teachers and stakeholders, including parents, administrators, and community members.



General Workshop Organization Panelist Composition

Standard Setting Workshop Panel	Panel			
	Frequency	Reading	Math	Science
TOTAL	74	26	24	24
Gender				
Female	61	24	14	23
Male	13	2	10	1
Race/Ethnicity				
Asian	37	12	13	12
Caucasian	24	6	8	10
Pacific Islander	5	3	1	1
Other	8	5	2	1
Position				
Special Education	29	12	7	10
Regular Teacher	30	8	12	10
Community/business	11	4	3	4
Parent	4	2	2	0



The ID Matching Method

- Research-based procedure
- Used for Alternate Assessments in multiple states
- Proven to be technically sound

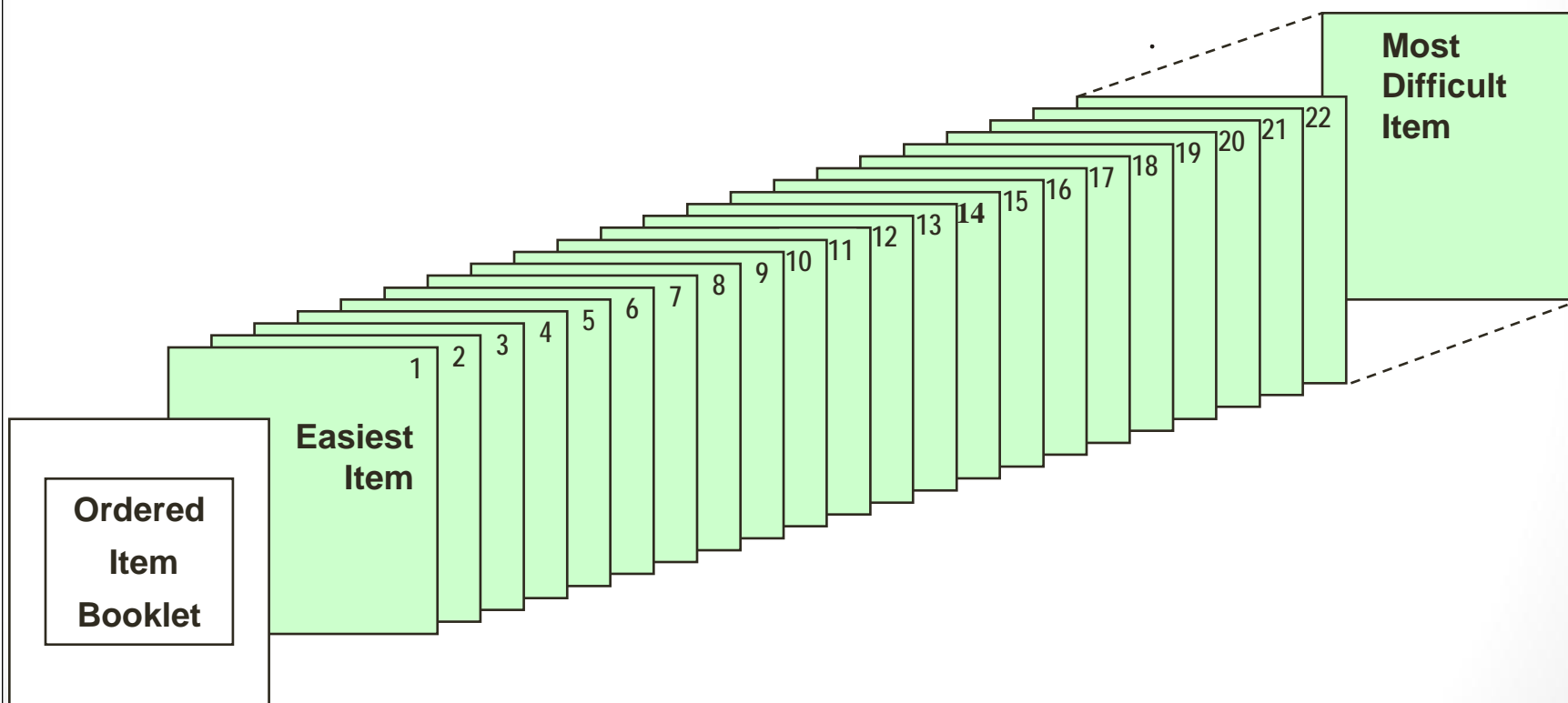


The Item-Descriptor Matching Method

- In Item-Descriptor Matching, test content area experts match items to the knowledge and skills described in the Performance Level Descriptors (PLDs).



Ordered Item Booklet

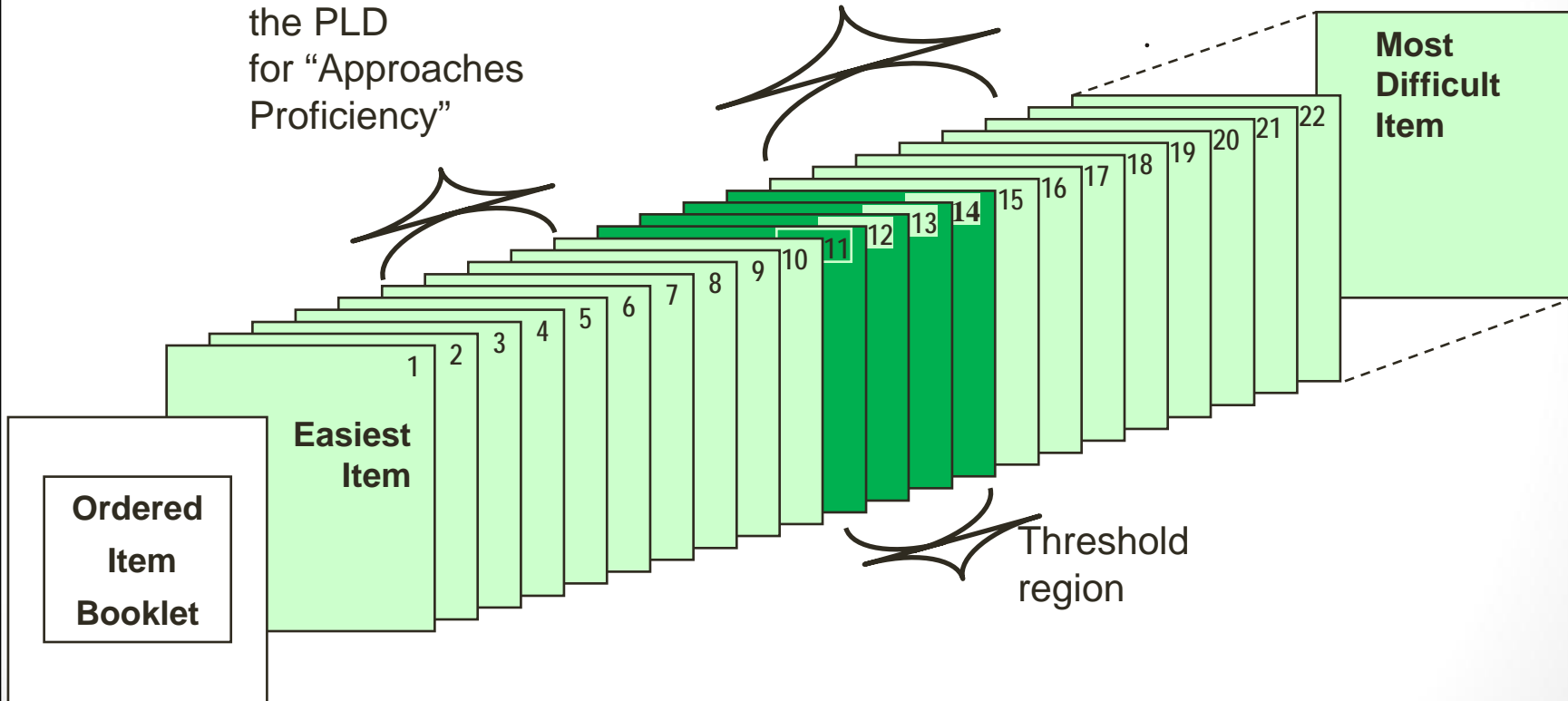




Ordered Item Booklet

Consistent with the PLD for "Approaches Proficiency"

Consistent with the PLD for "Meets Proficiency"





Performance Standards in Scale Scores for Reading

Grade	Approaches Proficiency	Meets Proficiency	Exceeds Proficiency
3–5	272	288	319
6–8	282	300	331
10	299	314	341



Performance Standards in Scale Scores for Mathematics

Grade	Approaches Proficiency	Meets Proficiency	Exceeds Proficiency
3–5	263	291	331
6–8	268	300	344
10	279	322	362



Performance Standards in Scale Scores for Science

Grade	Approaches Proficiency	Meets Proficiency	Exceeds Proficiency
4	278	300	336
8	275	300	338
10	276	300	327



HSA-Alt Reading Percent of Students At Each Performance Level in SY 2012-13

	Grades 3-5	Grades 6-8	Grade 10
Exceeds	27%	19%	26%
Meets	41%	31%	31%
Approaches	17%	31%	20%
Well Below	15%	19%	23%



HSA-Alt Mathematics

Percent of Students At Each Performance Level in SY 2012-13

	Grades 3-5	Grades 6-8	Grade 10
Exceeds	6%	5%	6%
Meets	47%	38%	24%
Approaches	31%	39%	58%
Well Below	16%	18%	12%

HSA-Alt Science

Percent of Students at Each Performance Level in SY 2012-13

	Grade 4	Grade 8	Grade 10
Exceeds	13%	8%	12%
Meets	34%	33%	39%
Approaches	31%	36%	33%
Well Below	22%	23%	16%