ATTACHMENT C: REVISED Literacy/Numeracy Specifications

LITERACY/NUMERACY NUMERATOR

Measure	Specification	Explanation of the Specification
Literacy/ Numeracy Gains Youth (14-21) Numerator (First two years of state implementation)	Count of unique RECORDS where YOUTH **and** *BASIC SKILLS DEFICIENT*[1] **and** SCHOOL STATUS AT PARTICIPATION => 3	Includes Youth Records (those with youth funding who are between 14 and 21 years of age on the Date of First Youth Service) who are basic skills deficient and out-of-school
	and at least one *SUCCESSFUL TEST COMPLETION DATE* is within the reporting period	And have at least one successful test completion within the reporting period as specified in the participant cohort table
	and (at least one *SUCCESSFUL TEST COMPLETION DATE* < *LIT-NUM START DATE* + 2 Years)	And the successful test completion date is within 2 years of the time that the state began to officially report literacy/numeracy results. For most states, this will be Program Year (PY) 2006, but a handful of states may have started in PY 2005
	and (DATE OF FIRST YOUTH SERVICE **=>** *LIT-NUM START DATE* **and** DATE OF FIRST YOUTH SERVICE **<** *LIT-NUM START DATE* **+** 1 Year)	And the youth entered the program during the first program year that the state began to officially report literacy/numeracy. For example, if a state began to report literacy/numeracy in PY 2006, PY 06 and PY 07 literacy/numeracy results would only include youth who had a date of first youth service between 7/1/2006 and 6/30/2007.
	and (OTHER REASONS FOR EXIT is null **or** OTHER REASONS FOR EXIT = 00 **or** OTHER REASONS FOR EXIT = 98)	And the youth did not exit due to an exclusion (e.g., medical reasons)

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[1] Italicized text refers to constructed variables; these variables are not in the WIASRD. Definitions for these variables are provided at the end of the literacy/numeracy specification.

LITERACY/NUMERACY NUMERATOR (cont'd)

Measure	Specification	Explanation of the Specification
Literacy/ Numeracy Gains Youth (14-21) Numerator (third and subsequent years of state implementation)	Count of unique RECORDS where YOUTH **and** *BASIC SKILLS DEFICIENT* **and** SCHOOL STATUS AT PARTICIPATION => 3	Includes Youth Records (those with youth funding who are between 14 and 21 years of age on the Date of First Youth Service) who are basic skills deficient and out-of-school
	And a *SUCCESSFUL TEST COMPLETION DATE => START OF CURRENT PARTICIPATION YEAR* **and** *SUCCESSFUL TEST COMPLETION DATE <= END OF CURRENT PARTICIPATION YEAR* **and** *END OF CURRENT PARTICIPATION YEAR* is within the reporting period	And there is a successful test completion date within the current participation year, and the current participation year is within the reporting period.
	And DATE OF FIRST YOUTH SERVICE **=>** *LIT-NUM START*	The youth first received youth funded services on or after the date when the state first began to report on the literacy-numeracy measure.
	And (DATE OF EXIT is null **or** DATE OF EXIT > *END OF CURRENT PARTICIPATION YEAR* **or** (DATE OF EXIT <= *END OF PARTICIPATION YEAR#1* and *END OF PARTICIPATION YEAR#1* is within the reporting period))	And the participant did not exit during the reporting period. Or, if the participant exited during the reporting period, it must be within the participant's first participation year.
	And (FOLLOW-UP SERVICES <> 1 **or** (FOLLOW-UP SERVICES = 1 **and** *END OF PARTICIPATION YEAR#1* is within the reporting period))[2]	And the participant did not receive follow-up services during the period. Or, if the participant received follow-up services, it must have been within the participant's first participation year.
	And (OTHER REASONS FOR EXIT is null **or** OTHER REASONS FOR EXIT = 00 **or** OTHER REASONS FOR EXIT = 98))	And the participant did not exit because of an exclusion.

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[2] This applies to the current WIASRD. Under WISPR, the specification would change to "**and** (DATE OF MOST RECENT FOLLOW-UP SERVICE is null or DATE OF MOST RECENT FOLLOW-UP SERVICE > the END OF CURRENT PARTICIPATION YEAR or (DATE OF MOST RECENT FOLLOW-UP SERVICE is < *END OF PARTICIPATION YEAR#1* **and** *END OF PARTICIPATION YEAR#1* is within the reporting period))."

LITERACY/NUMERACY DENOMINATOR

Measure	Specification	Explanation of the Specification
Literacy/ Numeracy Gains Youth (14-21) Denominator (First two years of state implementation)	Count of unique RECORDS where YOUTH **and** *BASIC SKILLS DEFICIENT* **and** (SCHOOL STATUS AT PARTICIPATION => 3	Includes Youth Records (those with youth funding who are between 14 and 21 years of age on the Date of First Youth Service) who are basic skills deficient and out-of-school
	and (DATE OF FIRST YOUTH SERVICE => *LIT-NUM START DATE* **and** DATE OF FIRST YOUTH SERVICE < *LIT-NUM START DATE* + 1 Year)	And the youth entered the program during the first program year that the state began to officially report literacy/numeracy.
	and ((a *SUCCESSFUL TEST COMPLETION DATE* is within the reporting period) **and** (OTHER REASONS FOR EXIT is null **or** OTHER REASONS FOR EXIT = 00 **or** OTHER REASONS FOR EXIT = 98))	And the participant has at least one successful test completion within the reporting period as specified in the participant cohort table and the participant did not exit due to an exclusion
	or (DATE OF EXIT is within the reporting period **and** (OTHER REASONS FOR EXIT is null **or** OTHER REASONS FOR EXIT = 00 **or** OTHER REASONS FOR EXIT = 98))	Or the participant exited within the reporting period for a reason other than an exclusion. This situation occurs when a person exits without a post-test or exits with a post-test and no increase in EFLs.
	or (*END OF CURRENT PARTICIPATION YEAR* is within the reporting period **and** (OTHER REASONS FOR EXIT is null **or** OTHER REASONS FOR EXIT = 00 **or** OTHER REASONS FOR EXIT = 98))	Or the participant's first year anniversary date is within the report period and the participant did not exit because of an exclusion.

LITERACY/NUMERACY DENOMINATOR

Measure	Specification	Explanation of the Specification
Literacy/ Numeracy Gains Youth (14-21) Denominator (Third and subsequent years of state implementation)	Count of unique RECORDS where YOUTH **and** *BASIC SKILLS DEFICIENCT* **and** SCHOOL STATUS AT PARTICIPATION => 3	Includes Youth Records (those with youth funding who are between 14 and 21 years of age on the Date of First Youth Service) who are basic skills deficient and out-of-school
	and *END OF CURRENT PARTICIPATION YEAR* is within the reporting period	And the end of the current participation year is in the report period.
	And DATE OF FIRST YOUTH SERVICE **=>** *LIT-NUM START*	The youth first received youth funded services on or after the date when the state first began to report on the literacy-numeracy measure.
	and (DATE OF EXIT is null **or** DATE OF EXIT > *END OF CURRENT PARTICIPATION YEAR* **or** (DATE OF EXIT <= *END OF PARTICIPATION YEAR#1* and *END OF PARTICIPATION YEAR#1* is within the reporting period))	And the participant did not exit, exited after the current participation year, or exited during the youth's first participation year
	and (FOLLOW-UP SERVICES <> 1 or (FOLLOW-UP SERVICES = 1 **and** *END OF PARTICIPATION YEAR#1* is within the reporting period))[3]	And the participant did not receive follow-up services during the period. Or, if the participant received follow-up services, it must have been within the participant's first participation year.
	and (OTHER REASONS FOR EXIT is null **or** OTHER REASONS FOR EXIT = 00 **or** OTHER REASONS FOR EXIT = 98)	And the participant did not exit because of an exclusion.

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[3] This applies to the current WIASRD. Under WISPR, the specification would change to **and** (DATE OF MOST RECENT FOLLOW-UP SERVICE is null or DATE OF MOST RECENT FOLLOW-UP SERVICE is > the END OF CURRENT PARTICIPATION YEAR or (DATE OF MOST RECENT FOLLOW-UP SERVICE is < *END OF PARTICIPATION YEAR#1* **and** *END OF PARTICIPATION YEAR#1* is within the reporting period))

The following tables provide specifications to calculate the constructed variables used for the literacy/numeracy measure. These variables include:

1. BASIC SKILLS DEFICIENT
2. LIT-NUM START DATE
3. START OF PARTICIPATION YEAR, END OF PARTICIPATION YEAR, and CURRENT PARTICIPATION YEAR
4. SUCCESSFUL TEST COMPLETION DATE

Constructed Variable	Specification	Explanation of the Specification
Basic Skills Deficient	BASIC LITERACY SKILLS DEFICIENCY = 1	The participant is basic skills deficient at participation. This is determined by WIASRD element 130.
	and (DATE ADMINISTERED POST-TEST #1 < START OF CURRENT PARTICIPATION YEAR and EDUCATIONAL FUNCTIONING LEVEL POST-TEST #1 > 0 and EDUCATIONAL FUNCTIONING LEVEL POST-TEST #1 <=6)	And if post-test #1 was administered prior to the start of the current participation year, the EFL must be 6 or less (participants with EFLs of 7 and 8 are no longer basic skills deficient).
	or (DATE ADMINISTERED POST-TEST #1 => START OF CURRENT PARTICIPATION YEAR) or (DATE ADMINISTERED POST-TEST #1 is null))	Or post-test #1 was administered after the start of the current participation year or there has been no post-test.
	and ((DATE ADMINISTERED POST-TEST #2 < START OF CURRENT PARTICIPATION YEAR and EDUCATIONAL FUNCTIONING LEVEL POST-TEST #2 > 0 and EDUCATIONAL FUNCTIONING LEVEL POST-TEST #2 <= 6) or (DATE ADMINISTERED POST-TEST #2 => START OF CURRENT PARTICIPATION YEAR) or (DATE ADMINISTERED POST-TEST #2 is null)) **and** ((DATE ADMINISTERED POST-TEST #3 < START OF CURRENT PARTICIPATION YEAR and EDUCATIONAL FUNCTIONING LEVEL POST-TEST #3 > 0 and EDUCATIONAL FUNCTIONING LEVEL POST-TEST #3 <= 6) and (DATE ADMINISTERED POST-TEST #3 => START OF CURRENT PARTICIPATION YEAR) or (DATE ADMINISTERED POST-TEST #3 is null))	Applies the same criteria to post-test 2 and 3 that were applied to post-test 1.

Constructed Variable	Specification	Explanation of the Specification
Basic Skills Deficient (continued)	**or** ((DATE ADMINISTERED POST-TEST #4 < START OF CURRENT PARTICIPATION YEAR and EDUCATIONAL FUNCTIONING LEVEL POST-TEST #4 > 0 and EDUCATIONAL FUNCTIONING LEVEL POST-TEST #4 <= 6) or (DATE ADMINISTERED POST-TEST #4 => START OF CURRENT PARTICIPATION YEAR or DATE ADMINISTERED POST-TEST #4 is null)) **and** ((DATE ADMINISTERED POST-TEST #5 < START OF CURRENT PARTICIPATION YEAR and EDUCATIONAL FUNCTIONING LEVEL POST-TEST #5 > 0 and EDUCATIONAL FUNCTIONING LEVEL POST-TEST #5 <= 6) or (DATE ADMINISTERED POST-TEST #5 => START OF CURRENT PARTICIPATION YEAR or DATE ADMINISTERED POST-TEST #5 is null)) **and** ((DATE ADMINISTERED POST-TEST #6 < START OF CURRENT PARTICIPATION YEAR and EDUCATIONAL FUNCTIONING LEVEL POST-TEST #6 > 0 and EDUCATIONAL FUNCTIONING LEVEL POST-TEST #6 <= 6) or (DATE ADMINISTERED POST-TEST #6 => START OF CURRENT PARTICIPATION YEAR or DATE ADMINISTERED POST-TEST #6 is null)) **or** ((DATE ADMINISTERED POST-TEST #7 < START OF CURRENT PARTICIPATION YEAR and EDUCATIONAL FUNCTIONING LEVEL POST-TEST #7 > 0 and EDUCATIONAL FUNCTIONING LEVEL POST-TEST #7 <= 6) or (DATE ADMINISTERED POST-TEST #7 => START OF CURRENT PARTICIPATION YEAR or DATE ADMINISTERED POST-TEST #7 is null)) **and** ((DATE ADMINISTERED POST-TEST #8 < START OF CURRENT PARTICIPATION YEAR and EDUCATIONAL FUNCTIONING LEVEL POST-TEST #8 > 0 and EDUCATIONAL FUNCTIONING LEVEL POST-TEST #8 <= 6) or (DATE ADMINISTERED POST-TEST #8 => START OF CURRENT PARTICIPATION YEAR or DATE ADMINISTERED POST-TEST #8 is null)) **and** ((DATE ADMINISTERED POST-TEST #9 < START OF CURRENT PARTICIPATION YEAR and EDUCATIONAL FUNCTIONING LEVEL POST-TEST #9 > 0 and EDUCATIONAL FUNCTIONING LEVEL POST-TEST #9 <= 6) or (DATE ADMINISTERED POST-TEST #9 => START OF PARTICIPATION YEAR or DATE ADMINISTERED POST-TEST #9 is null))	Applies the same criteria to the 2nd functional area (post-tests 4–6) and 3rd functional area (post-tests 7–9) that are applied to the 1st functional area (post-tests 1–3).

Constructed Variable	Specification	Explanation of the Specification
Lit-Num Start Date	If a state implements the literacy/numeracy measure for PY2005, then the LIT-NUM START DATE = 7/1/2005. If a state implements the literacy/numeracy measure for PY2006, then the LIT-NUM START DATE = 7/1/2006.	For states implementing in PY2005, the LitNum Start Date is 7/1/2005. For states implementing in PY2006, the LitNum Start Date is 7/1/2006.
Current Participation Year	Year #1: Start of Participation Year = Date of First Youth Service End of Participation Year = Date of First Youth Service + 1 Year – 1 Day Year #2: Start of Participation Year = Date of First Youth Service + 1 Year End of Participation Year = Date of First Youth Service + 2 Years – 1 Day Year #3: Start of Participation Year = Date of First Youth Service + 2 Years End of Participation Year = Date of First Youth Service + 3 Years – 1 Day Year #N: Start of Participation Year = Date of First Youth Service + (N - 1) Years End of Participation Year = Date of First Youth Service + N Years – 1 Day Current Participation Year = Year #N where END OF PARTICIPATION YEAR #N is within the report period Else Null	Literacy/Numeracy results for each participant are calculated based on the Date of First Youth Service and each subsequent anniversary of that date. The Current Participation Year establishes the one-year period for which results are currently being calculated for each participant based on the reporting periods specified in the participant cohort table.
	DATE ADMINISTERED POST-TEST (YEAR #1)	Set successful test completion date equal to the date administered post-test (Year#1)
	where EDUCATIONAL FUNCTIONING LEVEL (YEAR #1) minus EDUCATIONAL FUNCTIONING LEVEL > 0	Where the Educational Functional Level (EFL) for the first post-test is greater than the pre-test
	and (DATE OF EXIT is null or DATE OF EXIT => DATE ADMINISTERED POST-TEST (YEAR #1)	And there is no exit date or the exit date is after the first post-test
	and (DATE ADMINISTERED POST-TEST (YEAR #1) => DATE OF FIRST YOUTH SERVICE and DATE ADMINISTERED POST-TEST (YEAR #1) < DATE OF FIRST YOUTH SERVICE + 1 Year)	And the post-test is within the first year that the youth is in the program.

Constructed Variable	Specification	Explanation of the Specification
Successful Test Completion Date	**or** DATE ADMINISTERED POST-TEST (YEAR #2) **where** EDUCATIONAL FUNCTIONING LEVEL (YEAR #2) minus EDUCATIONAL FUNCTIONING LEVEL (YEAR #1) > 0 **and** (DATE OF EXIT is null or DATE OF EXIT => DATE ADMINISTERED (POST-TEST #2) and (DATE ADMINISTERED POST-TEST (YEAR #2) => DATE OF FIRST YOUTH SERVICE + 1 Year **and** DATE ADMINISTERED POST-TEST (YEAR #2) < DATE OF FIRST YOUTH SERVICE + 2 Years	Or set successful test completion date equal to the date administered post-test (Year #2) if: a. the second post-test is greater than the first post-test b. the youth has not exited or exited after the date administered post-test (year #2) c. and took the second post-test during the second participation year.
	or DATE ADMINISTERED POST-TEST (YEAR #3) **where** EDUCATIONAL FUNCTIONING LEVEL (YEAR #3) minus EDUCATIONAL FUNCTIONING LEVEL(YEAR #2) > 0 **and** (DATE OF EXIT is null or DATE OF EXIT => DATE ADMINISTERED POST-TEST (YEAR #3) and (DATE ADMINISTERED POST-TEST (YEAR #3) => DATE OF FIRST YOUTH SERVICE + 2 Years **and** DATE ADMINISTERED POST-TEST (YEAR #3) < DATE OF FIRST YOUTH SERVICE + 3 Years	Or set successful test completion date equal to the date administered post-test (Year #3) if: a. the third post-test is greater than the second post-test b. the youth has not exited or exited after the date administered post-test (year #3) c. and took the third post-test during the third participation year.
	(This set of conditions repeats for each functional area to determine if there are successes.)	Repeat the prior steps for the two other functional areas.

PARTICIPANT COHORTS FOR THE LITERACY/NUMERACY MEASURE

Option	July – Sept. 14-Nov-05	Oct. – Dec. 14-Feb-06	Jan. – Mar 15-May-06	Apr. – June 14-Aug-06
Literacy and Numeracy Gains State Reporting Option # 1	7/1/2005 to 9/30/2005	7/1/2005 to 12/31/2005	7/1/2005 to 3/31/2006	7/1/2005 to 6/30/2006
Literacy and Numeracy Gains State Reporting Option #2	N/A	N/A	N/A	N/A
	14-Nov-06	**14-Feb-07**	**15-May-07**	**14-Aug-07**
Literacy and Numeracy Gains State Reporting Option # 1	7/1/2005 to 9/30/2006	7/1/2005 to 12/31/2006	7/1/2005 to 3/31/2007	7/1/2005 to 6/30/2007
Literacy and Numeracy Gains State Reporting Option #2	7/1/2006 to 9/30/2006	7/1/2006 to 12/31/2006	7/1/2006 to 3/31/2007	7/1/2006 to 6/30/2007
	14-Nov-07	**14-Feb-08**	**15-May-08**	**14-Aug-08**
Literacy and Numeracy Gains State Reporting Option # 1	10/1/2006 to 9/30/2007	1/1/2007 to 12/31/2007	4/1/2007 to 3/31/2008	7/1/2007 to 6/30/2008
Literacy and Numeracy Gains State Reporting Option #2	7/1/2006 to 9/30/2007	7/1/2006 to 12/31/2007	7/1/2006 to 3/31/2008	7/1/2006 to 6/30/2008

Note: Option # 1 states are those that began to report the literacy/ numeracy measure in program year (PY) 2005. Option # 2 states are those that began to report the literacy/numeracy measure in PY 2006. Most states are option # 2 states.