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MSIP 5 SCORING GUIDE OCTOBER WEBINAR SERIES

STANDARD 3

October 22, 2012 Missouri Department of Elementary and Secondary Education

Why we're here!

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MSIP 5 Policy Goals

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- Promote Continuous Improvement and Innovation
- Establish the State's Expectations
- Distinguish Performance of Schools and Districts
- Empower All Stakeholders



MSIP 5 Performance Standard 3

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- **College and Career Readiness (K-12 Districts)—The district provides adequate post-secondary preparation for all students.**
 1. The percent of graduates who scored at or above the state standard on any department-approved measure(s) of college and career readiness, for example, the ACT®, SAT®, COMPASS® or Armed Services Vocational Aptitude Battery (ASVAB), meets or exceeds the state standard or demonstrates required improvement.
 2. The district's average composite score(s) on any department-approved measure(s) of college and career readiness, for example, the ACT®, SAT®, COMPASS®, or ASVAB, meet(s) or exceed(s) the state standard or demonstrate(s) required improvement.
 3. The percent of graduates who participated in any department-approved measure(s) of college and career readiness, for example, the ACT®, SAT®, COMPASS®, or ASVAB, meets or exceeds the state standard or demonstrates required improvement.
 4. The percent of graduates who earned a qualifying score on an Advanced Placement (AP), International Baccalaureate (IB), or Technical Skills Attainment (TSA) assessments and/or receive college credit through early college, dual enrollment, or approved dual credit courses meets or exceeds the state standard or demonstrates required improvement.
 5. The percent of graduates who attend post-secondary education/training or are in the military within six (6) months of graduating meets the state standard or demonstrates required improvement.
 6. The percent of graduates who complete career education programs approved by the department and are placed in occupations directly related to their training, continue their education, or are in the military within six (6) months of graduating meets the state standard or demonstrates required improvement.
- **High School Readiness (K-8 Districts)—The district provides adequate post-elementary preparation for all students.**
 1. The percent of students who earn a proficient score on one (1) or more of the high school end-of-course (EOC) assessments while in elementary school meets or exceeds the state standard or demonstrates required improvement.



CCR *1-6

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- Graduate File
- Unduplicated Count
- Highest Score where applicable
- No Full Academic Year (FAY)



CCR *1-3

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- The **percent of graduates scoring at or above the state standard** on any department-approved measure(s) of college and career readiness, for example, the ACT®, SAT®, COMPASS® or the Armed Services Vocational Aptitude Battery (ASVAB), is determined by dividing the **number of graduates scoring at or above the state standard** by the **number of graduates**, then multiplying by 100.



CCR *1-3

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- The **number of graduates** is based on June Enrollment and Attendance Records with an Exit Code indicating the student graduated.
- Example District A: Number of graduates = 155



CCR *1-3: Number of Graduates Scoring at or above State Standard

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•STEP 1- Determine the number of students scoring at or above the state standard and multiply by associated point value.

Student Weight	ACT Composite Score	SAT Critical Reading + SAT Math	COMPASS	ASVAB AFQT
0	No record of participation	No record of participation	No record of participation	No record of participation
0.25	< 18	< 870	Algebra < 66 and Reading < 81 <u>OR</u> Algebra < 66 and No Reading Score <u>OR</u> Reading < 81 and No Algebra Score	< 30
0.75	18 - 21	870 - 980	Algebra >= 66 <u>OR</u> Reading >= 81	30 - 62
1	22 - 25	990 - 1180	Algebra >= 66 <u>AND</u> Reading >= 81	63-87
1.25	26 - 36	1190 - 1600	n/a	88-99

UNDUPLICATED Count	Calculation	
a) number of graduates who score at or above a 26 on the ACT® or who demonstrate comparable performance on a department-approved measure multiplied by 1.25	a) $18 \times 1.25 = 22.5$	22.5
b) number of graduates who score at or above a 22 on the ACT® but below a 26 or who demonstrate comparable performance on a department-approved measure multiplied by 1	b) $43 \times 1 = 43$	43
c) number of graduates who score at or above an 18 on the ACT® but below 22 or who demonstrate comparable performance on a department-approved measure multiplied by .75	c) $52 \times .75 = 39$	39
d) number of graduates who participate in a department approved measure of college and career readiness but score below comparable performance of an 18 on the ACT® multiplied by .25	d) $23 \times .25 = 5.75$	5.75
e) number of graduates without a score multiplied by zero	e) $19 \times 0 = 0$	0

Example District A: Number of graduates scoring at or above the state standard	$22.5 + 43 + 39 + 5.75 + 0 = 110.25$
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CCR *1-3 Status

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- STEP 2- Divide the number of points earned by the number of graduates and multiply by 100.

Points earned		No. of Graduates				Percent
110.25	/	155	=	.711	x 100	71.1%

Add the scores for Years 1, 2 and 3 and divide by 3 to determine the status.

Year 1	Year 2	Year 3		3 year total		3 year average
58.7	64.4	71.1	=	194.2	/ 3	64.7



CCR *1-3 Progress – Rolling Average

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	YEAR 1	YEAR 2	YEAR 3
Percent	58.7	64.4	71.1

- STEP 1 – Add the scores for Years 1 and 2 and divide by 2 to determine the average. $(58.7 + 64.4) / 2 = 61.6$
- STEP 2 - The average for Years 1 and 2 is subtracted from 100 to determine the CCR*1-3 GAP.

Constant		Year 1 and 2 average	=	gap
100	-	61.6	=	38.4



CCR *1-3 Progress – Rolling Average

12

	YEAR 1	YEAR 2	YEAR 3
Percent	58.9	63.2	71.7

- STEP 3- The CCR*1-3 Gap is used to *establish progress targets* as determined by multiplying the gap by the associated percentage, i.e. 25% for exceeding, 15% for on target, 5% for approaching.

	CCR *1-3 GAP			Percent Increase Needed	Years 1 and 2 Avg	Years 2 and 3 Avg Progress Target
Exceeds	38.4	*25%	=	9.6	61.6	71.2-100
On Target	38.4	*15%	=	5.8	61.6	67.4-71.1
Approaching	38.4	*5%	=	1.9	61.6	63.5-67.3

CCR *1-3 Progress – Rolling Average

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	YEAR 1	YEAR 2	YEAR 3
Percent	58.7	64.4	71.1

- STEP 4 – Add the scores for Years 2 and 3 and divide by 2 to determine the average. $(64.4 + 71.1) / 2 = 67.8$
- STEP 5 - The LEA's Years 2 and 3 average is used to determine if the LEA is exceeding, on target, or approaching the required increase. In this example, Year 2 and 3 average is 67.8, which means that it designated as “on target” with the progress target.

	CCR *1-3 GAP			Percent Increase Needed	Years 1 and 2 Avg	Years 2 and 3 Avg Progress Target
Exceeds	38.4	*25%	=	9.6	61.6	71.2-100
On Target	38.4	*15%	=	5.8	61.6	67.4-71.1
Approaching	38.4	*5%	=	1.9	61.6	63.5-67.3

CCR *4

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- The percent of graduates who earned a qualifying score on the AP, IB or Technical Skills Attainment (TSA) assessments and/or received college credit through early college, dual enrollment, or approved dual credit courses is determined by dividing the **number of graduates scoring earning a qualifying score** by the **number of graduates**, then multiplying by 100.



CCR *4

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- When possible - data as reported by official testing companies for scores on department-approved measures of college and career readiness will be used in these calculations.
- Only dual credit courses from a Missouri institution that is complying with the Coordinating Board for Higher Education's Dual Credit Policy and Principles of Good Practice for Dual Credit Courses will be recognized.
- When students take multiple types of tests and/or a single test multiple times or earn multiple credits, one metric (the highest) is used for the APR calculation. 

CCR *4

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Assessment	Qualifying Score	Weight
AP exam (any)	3 or higher	1.25
IB exam (any)	4 or higher	1.25
TSA (department approved)	Proficient	1
Early College course, dual enrollment course, dual credit course (from a Missouri institution that is complying with the Coordinating Board for Higher Education's Dual Credit Policy and Principles of Good Practice)	B or higher (final average)	1
AP or IB course	B or higher (final average)	1



CCR *4 Status

17

- STEP 1- Determine the number of students with a qualifying score on any of the approved options and multiply by associated point value.

	No. of Graduates		Points	Points Earned
With a Qualifying Score on Assessment	24	x	1.25	30
With a Qualifying Score	43	x	1.0	43
Without a Qualifying Score	77	x	0	0
Total	150	x		73

- STEP 2- Divide the number of points earned by the number of graduates and multiply by 100.

Points earned		No. of Graduates				Percent
73	/	150	=	.487	x 100	48.7%



CCR *4 Status

18

Add the scores for Years 1, 2 and 3 and divide by 3 to determine the status.

Year 1	Year 2	Year 3		3 year total		3 year average
58.9	63.2	48.7	=	170.8	/ 3	56.9



CCR *4 Progress – Rolling Average

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	YEAR 1	YEAR 2	YEAR 3
Percent	58.9	63.2	48.7

- STEP 1 – Add the scores for Years 1 and 2 and divide by 2 to determine the average. $(58.9 + 63.2) / 2 = 61.1$
- STEP 2 - The average for Years 1 and 2 is subtracted from 100 to determine the CCR*4 GAP.

Constant		Year 1 and 2 average		CCR*4 gap
100	-	61.1	=	38.9



CCR *4 Progress – Rolling Average

20

	YEAR 1	YEAR 2	YEAR 3
Percent	58.9	63.2	48.7

- STEP 3- The CCR*4 Gap is used *to establish progress targets* as determined by multiplying the gap by the associated percentage, i.e. 25% for exceeding, 15% for on target, 5% for approaching.

	CCR *4 GAP			Percent Increase Needed	Years 1 and 2 Avg	Years 2 and 3 Avg Progress Target
Exceeds	38.9	*25%	=	9.7	61.1	70.8-100
On Target	38.9	*15%	=	5.8	61.1	66.9-70.7
Approaching	38.9	*5%	=	1.9	61.1	63.0-66.8

CCR *4 Progress – Rolling Average

21

	YEAR 1	YEAR 2	YEAR 3
Percent	58.9	63.2	48.7

- STEP 4 – Add the scores for Years 2 and 3 and divide by 2 to determine the average. $(63.2 + 48.7) / 2 = 56.0$
- STEP 5 - The LEA's Years 2 and 3 average is used to determine if the LEA is exceeding, on target, or approaching the required increase. In this example, Year 2 and 3 average is 56.0, which means that it will not earn points for the CCR*4 progress target.

	CCR *4 GAP			Percent Increase Needed	Years 1 and 2 Avg	Years 2 and 3 Avg Progress Target
Exceeds	38.9	*25%	=	9.7	61.1	70.8-100
On Target	38.9	*15%	=	5.8	61.1	66.9-70.7
Approaching	38.9	*5%	=	1.9	61.1	63.0-66.8

CCR *5-6

22

- The **percent of post-secondary placement** is determined by dividing the **number of graduates who attend post-secondary education or training, are in the military, or who complete a Department-approved Career Education program and are placed in an occupation directly related to their training** by **the number of graduates**, and then multiplying by 100.



CCR *5-6 Status

23

	Weight
Number of Graduates who attend post-secondary education	1.0
Number of Graduates who attend post-secondary training	1.0
Number of Graduates who are in the military	1.0
Number of Graduates who complete a Department-approved Career Education Program and are placed in an occupation directly related to their training	1.0
Number of Graduates Without recognized placement	0.0



CCR *5-6 Status

24

STEP 1- Determine the number of students with recognized post-secondary placement and multiply by associated point value.

	No. Grads	X Points	
Number of Graduates who attend post-secondary education	147	1.0	147
Number of Graduates who attend post-secondary training	118	1.0	118
Number of Graduates who are in the military	17	1.0	17
Number of Graduates who complete a Department-approved Career Education Program and are placed in an occupation directly related to their training	57	1.0	57
Number of Graduates Without recognized placement	46	0.0	0
Total	385	0.0	339

CCR *5-6 Status

25

- STEP 2- Divide the number of points earned by the number of graduates and multiply by 100

Points earned		No. of Graduates				Percent
339	/	385	=	.881	x 100	88.1%



CCR *5-6 Status

26

- Add the scores for Years 1, 2 and 3 and divide by 3 to determine the status. $(85.0 + 93.2 + 88.1) / 3 = 88.8$

Year 1	Year 2	Year 3		3 year total		3 year average
85.0	93.2	88.1	=	266.3	/ 3	88.8



CCR *5-6 Progress – Rolling Average

27

	YEAR 1	YEAR 2	YEAR 3
Percent	85.0	93.2	88.1

- STEP 1 – Add the scores for Years 1 and 2 and divide by 2 to determine the average. $(85.0 + 93.2) / 2 = 89.1$
- STEP 2 - The average for Years 1 and 2 is subtracted from 100 to determine the CCR*5-6 GAP.

Constant		Year 1 and 2 average	=	gap
100	-	89.1	=	9.9



CCR *5-6 Progress – Rolling Average

28

	YEAR 1	YEAR 2	YEAR 3
Percent	85.0	93.2	88.1

- STEP 3- The CCR*5-6 Gap is used to *establish progress targets* as determined by multiplying the gap by the associated percentage, i.e. 25% for exceeding, 15% for on target, 5% for approaching.

	CCR *5-6 GAP			Percent Increase Needed	Years 1 and 2 Avg	Years 2 and 3 Avg Progress Target
Exceeds	9.9	*25%	=	2.5	89.1	91.6-100
On Target	9.9	*15%	=	1.5	89.1	90.6-91.5
Approaching	9.9	*5%	=	0.5	89.1	89.6-90.5

CCR *5-6 Progress – Rolling Average

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	YEAR 1	YEAR 2	YEAR 3
Percent	85.0	93.2	88.1

- STEP 4 - Add the scores for Years 2 and 3 and divide by 2 to determine the average. $(93.2 + 88.1) / 2 = 90.7$
- STEP 5 - The LEA's Years 2 and 3 average is used to determine if the LEA is exceeding, on target, or approaching the required increase. In this example, Year 2 and 3 average is 90.7, which means that the LEA is "on target" with its progress target.

	CCR *5-6 GAP			Percent Increase Needed	Years 1 and 2 Avg	Years 2 and 3 Avg Progress Target
Exceeds	9.9	*25%	=	2.5	89.1	91.6-100
On Target	9.9	*15%	=	1.5	89.1	90.6-91.5
Approaching	9.9	*5%	=	0.5	89.1	89.6-90.5

College and Career Readiness

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	CCR Readiness *1-3 (ACT, SAT, COMPASS, ASVAB)	CCR Readiness *4 (AP, IB, TSA, Dual Credit, Dual Enrollment)	CCR Readiness *5-6 (post-secondary placement)
Status	Exceeds = 10 On Target = 7.5 Approaching = 6 Floor = 0	Exceeds = 10 On Target = 7.5 Approaching = 6 Floor = 0	Exceeds = 10 On Target = 7.5 Approaching = 6 Floor = 0
Progress Target	Exceeds = 7.5 On Target = 4 Approaching = 2 Floor = 0	Exceeds = 7.5 On Target = 4 Approaching = 2 Floor = 0	Exceeds = 7.5 On Target = 4 Approaching = 2 Floor = 0

	Status	Prog	Points Earned
A	10	7.5	10
B	10	4	10
C	10	2	10
D	10	0	10
E	7.5	7.5	10
F	7.5	4	10
G	7.5	2	9.5
H	7.5	0	7.5
I	6	7.5	10
J	6	4	10
K	6	2	8
L	6	0	6
M	0	7.5	7.5
N	0	4	4
O	0	2	2
P	0	0	0



HSR *1 Status

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- The percent of “exiting” Grade 8 students who earned a qualifying score on the MAP end-of-course assessments is determined by dividing the number of “exiting” Grade 8 students who earned a qualifying score on the MAP end-of-course assessments by the total number of “exiting” Grade 8 students, then multiplying by 100.



HSR *1

33

- MOSIS Student Core File
- Unduplicated Count
- Any MAP end-of-course Proficient or Advanced score



HSR *1 Status

34

- STEP 1- Determine the number of students with a qualifying score on any of end of course assessments and multiply by associated point value.

	No. of Graduates		Points	Points Earned
With a Qualifying Score	12	x	1.0	12
Without a Qualifying Score	51	x	0	0
Total	63	x		12

- STEP 2- Divide the number of points earned by the number of grade 8 students and multiply by 100.

Points earned		No. of Graduates				Percent
12	/	63	=	.190	x 100	19.0%



HSR *1 Status

35

- Add the scores for Years 1, 2 and 3 and divide by 3 to determine the status. $(0.0 + 9.0 + 19.0) / 3 = 9.3$

Year 1	Year 2	Year 3		3 year total		3 year average
0.0	9.0	19.0	=	28.0	/ 3	9.3



HSR *1 Progress – Rolling Average

36

	YEAR 1	YEAR 2	YEAR 3
Percent	0.0	9.0	19.0

- STEP 1 – Add the scores for Years 1 and 2 and divide by 2 to determine the average. $(0.0 + 9.0) / 2 = 4.5$
- STEP 2 - The average for Years 1 and 2 is subtracted from 50 to determine the HSR*1 GAP.

Constant		Year 1 and 2 average		gap
50	-	4.5	=	45.5



HSR *1 Progress – Rolling Average

37

	YEAR 1	YEAR 2	YEAR 3
Percent	0.0	9.0	19.0

- STEP 3- The HSR*1 Gap is used *to establish progress targets* as determined by multiplying the gap by the associated percentage, i.e. 25% for exceeding, 15% for on target, 5% for approaching.

	HSR *1 GAP			Percent Increase Needed	Years 1 and 2 Avg	Years 2 and 3 Avg Progress Target
Exceeds	45.5	*25%	=	11.4	4.5	15.9-100
On Target	45.5	*15%	=	6.8	4.5	11.3-15.8
Approaching	45.5	*5%	=	2.3	4.5	6.8 -11.2

HSR *1 Progress – Rolling Average

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	YEAR 1	YEAR 2	YEAR 3
Percent	0.0	9.0	19.0

- STEP 4 – Add the scores for Years 2 and 3 and divide by 2 to determine the average. $(9.0 + 19.0) / 2 = 14.0$
- STEP 5 - The LEA's Years 2 and 3 average is used to determine if the LEA is exceeding, on target, or approaching the required increase. In this example, Year 2 and 3 average is 14.0, which means that it is “on target” with its progress target.

	HSR *1 GAP			Percent Increase Needed	Years 1 and 2 Avg	Years 2 and 3 Avg Progress Target
Exceeds	95.5	*25%	=	23.9	4.5	28.4-100
On Target	95.5	*15%	=	14.3	4.5	18.8-28.3
Approaching	95.5	*5%	=	4.8	4.5	9.3-18.7

HSR *1

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STATUS						PROGRESS					
Status Measures	Status Points Earned	Percent of post-secondary placement	Progress Measures	Progress Points Earned	Progress Measure Description						
Exceeding	10	25.0-100	Exceeding	7.5	25% of HSR GAP increase						
Meeting	7.5	19.0-24.9	Meeting	4	15% of HSR GAP increase						
Approaching	6	12.0-18.9	Approaching	2	5% of HSR GAP increase						
Floor	0	0-11.9	Floor	0	<5% of MPI GAP increase						

HSR Total: Status + Progress
A maximum of 10 points may be applied to the LEA or building level score.

	Status	Prog	Points Earned
A	10	7.5	10
B	10	4	10
C	10	2	10
D	10	0	10
E	7.5	7.5	10
F	7.5	4	10
G	7.5	2	9.5
H	7.5	0	7.5
I	6	7.5	10
J	6	4	10
K	6	2	8
L	6	0	6
M	0	7.5	7.5
N	0	4	4
O	0	2	2
P	0	0	0



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CCR	*1-3	*4	*5-6			Risk Factors	Exemplars
Status	Exceeds = 10 On Target = 7.5 Approach = 6 Floor = 0	Exceeds = 10 On Target = 7.5 Approach = 6 Floor = 0	Exceeds = 10 On Target = 7.5 Approach = 6 Floor = 0				
Progress	Exceeds = 7.5 On Target = 4 Approach = 2 Floor = 0	Exceeds = 7.5 On Target = 4 Approach = 2 Floor = 0	Exceeds = 7.5 On Target = 4 Approach = 2 Floor = 0				
Points Possible	10	10	10				
HSR						Risk Factors	Exemplars
Status	Exceeds = 10 On Target = 7.5 Approach = 6 Floor = 0						
Progress	Exceeds = 7.5 On Target = 4 Approach = 2 Floor = 0						
Points Possible	10						



Transition

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Assessment Data	APR release	Classification	SB 576
2011-2012	4 th Cycle MSIP - 2012 APR (summer 2012)	Board Classification for all remaining 4 th Cycle districts	
2011-2012	MSIP 5 - 2012 APR (fall 2012)	Draft MSIP 5	
2012-2013	MSIP 5 - 2013 APR (summer 2013)	Year 1 MSIP 5	Year 1 APR
2013-2014	MSIP 5 - 2014 APR (summer 2014)	Year 2 MSIP 5	Year 2 APR
2014-2015	MSIP 5 - 2015 APR (summer 2015)	Year 3 MSIP 5 Board Classification for all districts based on MSIP 5	Year 3 APR



Next Steps

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- Terminology
- Public Relations
- Scoring Guide Webinars/Tutorials
- October 23 Webinar Standards 4 and 5 – 1:00 p.m.
- October 24 (4:00 deadline for data submission)
- October 29 (DRAFT secure preliminary release)
- November 16 (4:00 deadline for corrections)
- November 30 (DRAFT secure release)
- December 3 (DRAFT public release)
- June 30 (Deadline for historical data clean-up)



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THANK YOU!!!

