Appendix R

ANALYSES AND REPORTING DECISION RULES – MCAS

Analysis and Reporting Decision Rules (Final)
Massachusetts Comprehensive Assessment System (MCAS)
Spring 11-12 Administration
Grades 3-8 only

This document details rules for analysis and reporting. The final student level data set used for analysis and reporting is described in the "Data Processing Specifications." This document is considered a draft until the Massachusetts Department of Elementary and Secondary Education (ESE) signs off. If there are rules that need to be added or modified after said sign-off, ESE sign off will be obtained for each rule. Details of these additions and modifications will be in the Addendum section.

I. General Information
   A. Tests administered

| Grade | Subject | Items included in Raw Score | IREF | |
			Reporting Categories	Standards
03	ELA (Reading)	Common	Cat2	Cat1||Cat3
	MAT			Cat1||Cat5
04	ELA (Reading and Writing)	Common	Cat2	Cat1||Cat3
	MAT			Cat1||Cat5
05	ELA (Reading)	Common	Cat2	Cat1||Cat3
	MAT			Cat1||Cat5
	SCI			Cat3||Cat4
06	ELA (Reading)	Common	Cat2	Cat1||Cat3
	MAT			Cat1||Cat5
07	ELA (Reading and Writing)	Common	Cat2	Cat1||Cat3
	MAT			Cat1||Cat5
08	ELA (Reading)	Common	Cat2	Cat1||Cat3
				Cat1||Cat5
	MAT			Cat3||Cat4
	SCI			

B. List of Sets of Reports produced this year

#	Name of Report	Subjects	Reporting Levels
1	Student labels	ELA, Math, Science (grades 5 and 8 only)	Student
2	Parent/Guardian Report	ELA, Math, Science (grades 5 and 8 only)	Student

Parent/Guardian Reports and student labels are printed. These reports are shipped in September.

C. Data files Produced (Comma Delimited)

June Preliminary Release:
State file (MegaFile Layout): MCAS[4 digit year]_ELAG[2 digit grade] .dat
- One file per grade
- Consists of student level results for ELA for all students who submitted a booklet.
- Posted on the ftp site for the ESE

State file (MegaFile Layout): MCAS[4 digit year]_MCMathSci[2 digit Grade] .dat
- One file per grade
- Consists of student level Math (and science at grades 5 and 8) multiple choice results for each student who submitted a booklet.
- Posted on the ftp site for the ESE

August and September Releases:
State file (MegaFile Layout): MCAS[4 digit year]_G[2 digit grade].dat
- One file per grade
- Consists of student level results for all subjects tested for all students in the state at that grade.
- Posted on the ftp site for the ESE

December Release:
State file (State Layout): MCAS[4 digit year]_G[2 digit grade].dat
- One file per grade
- Consists of final student level results for all subjects tested for all students in the state at that grade.
- Posted on the ftp site for the ESE.

Other files delivered throughout the year:
Accommodations File:
State Level File (Accommodations Layout): MCAS[4 digit year]_AccomAllGrades.dat
- Contains all the accommodations marked for all students in the state (Grades 3-8,HS)
- Contains all subjects

- Posted on the ftp site for the ESE.

Questionnaire File:
State level file: MCAS[4 digit year]_QAllGrades.dat
- One file containing all student level questionnaire for all students in grades 8 and 10.
- Randomized school codes
- Posted on the ftp site for the ESE

Discrepancy file (Discrepancy File Layout)
State level file: MCAS[4 digit year]_Discrepancy.xls
- Consists of all discrepancies reported
- Posted on the ftp site for the ESE

D. School Type

Reporting school is the testing school for students with booklets submitted and is the SIMS school for students added from SIMS.

SchType	Source	Description	Receive aggregate data	
			School	District
'PRI'	Reporting school's district code starts with 8 or 9.	These schools are private schools. The students are aggregated with their official districts.	No except of collaboratives (start with '95') See calculation section	No
'TES'	Reporting school's district code starts with a 6 or 7.	These schools are either test sites or similar program. The students are aggregated with their official districts and official school	No	No
'OTH'	Reporting school's district code does not start with a 6, 7,8 or 9	These students are aggregated with their reporting school and district.	Yes	Yes

E. Other Information

1. Writing Composition is included as part of the ELA test at grades 4 and 7.

2. The Writing Composition is scored on two dimensions: Topic Development (CT) and Conventions (CC).

3. The threshold number for grade 7 Math for non-LEPFLEP vs. LEPFLEP difstats is 90.The threshold number for grade 8 Math for non-LEPFLEP vs. LEPFLEP difstats is 75. All other dif stats are run with a threshold of 100.

4. 50% of items are released in ELA, Math and Science. Released items are marked released=1 in iref.

5. If a student does not take any MCAS test and has been continuously enrolled at a school throughout the testing window (active_test='1'), a record is created using demographic data from SIMS. The student is reported to the SIMS school. If the student's SIMS school is on the test site exception list, the student is reported to the official school associated with the test site.

6. If the student's testing school is not the same as their SIMS school then octenrol is set to '0'.

7. Growth only applies to ELA and Math. Growth percentiles are reported at the student level. Standard errors are reported for growth percentiles at the student level. The median growth percentile is calculated at the school, district and state levels.

II. Student Participation / Exclusions

A. *Test Attempt Rules*

1. Attemptedness rule: The student has attempted at least one common item in each session.

2. a. A student who has a Not Tested reason and does not meet attemptedness is considered Not Tested.

   b. If the student meets attemptedness and has one of the following Not Tested reasons then the Not Tested reason is ignored and the student is considered Tested.

      i. MED

      ii. ABS

      iii. TRN

3. An attempt to a multiple choice item is an A, B, C, D, or *=multiple marks.

4. If a student does not meet attemptedness and has not been continuously enrolled in the same school in both March and June SIMS (active_test='0' or null), the student is marked Transferred. If other Not Tested reason given the student is reported according to the hierarchy below.

5. If active_test='1' and student has a Removed or Added reason the Removed or Added reason is ignored.

6. If a student does not meet attemptedness and active_test='1' and no other Not Tested reason is given the student is marked NT [subject]='O' (NTA).

   ### A. *Not Tested Reasons*

   (By Subject)

      1. If a student has LEPFirst bubbled on either ELA or Math/Science booklet and yearsMASS >1 then the LEPFirst bubble is removed and the student is marked NT [subject] ='O' (NTA). LEPAudit is set to '1'. The student is classified according to rules below. If

LEPfirst is bubbled on any booklet and yearsmass is null, then set yearsmass=1.

2. If the student is Not Tested by rule II.A.2a and has more than one not tested reason the following hierarchy is applied.

Not Tested Hierarchy (For Math and Science)
- Security Breach (cheating; Treated as stated in the Breach List from ESE)
- Alt
- Void booklet (preliminary reporting)
- Security Breach (multiple answer booklets for a subject; Amend='1')
- Transferred (The student changed schools during testing; Removed or Added reasons given; active_test='0' and has an answer booklet)
- Medically Documented Absent (NT[subject]='M')
- Not Tested Absent (NT[subject]='O')

Not Tested Hierarchy (For ELA)
- Security Breach (cheating; Treated as stated in the Breach List from ESE)
- Alt
- Void booklet (preliminary reporting)
- Security Breach (multiple answer booklets for a subject; Amend='1')
- Transferred (The student changed schools during testing; Removed or Added reasons given; active_test='0' and has an answer booklet)
- First Year LEP (Student with LEPFirst bubbled on either ELA or Math/Science booklet and YearsMASS not >1) and MEPApart not equal to 0
- Medically Documented Absent (NT[subject]='M')
- Not Tested Absent (NT[subject]='O')

3. If the student meets attemptedness and has one of the Not Tested reasons below the Not Tested reason will be applied. If the student has more than one of these Not Tested reasons the following hierarchy is applied.

Not Tested Hierarchy (if student meets attemptedness)
- Security Breach (cheating; Treated as stated in the Breach List from ESE)
- Alt
- Void booklet (preliminary reporting)
- Security Breach (multiple answer booklets for a subject; Amend='1')
- First Year LEP (Student with LEPFirst bubbled on either ELA or Math/Science booklet and YearsMASS not > 1).

4. Post-Discrepancy period the above hierarchies and attemptedness rules are not applied to students whose Not Tested reasons have been changed by the school or ESE. The partstatus used for final reporting will reflect the change(s) made by the school and/or ESE.

B. *Student Participation Status*

1. If a student has a Not Tested reason and did not attempt <u>any</u> common items then the raw score is blanked in addition to no scaled score and no numeric achievement level.

2. If official school (sprp_sch) =SIMS school, then octenrol remains as is in SIMS. Otherwise, octenrol='0'.

3. Students whose only booklet for a subject is voided are reported in the following manner:
   - In preliminary reporting they receive a achievement level of 'VAB' for that subject.
   - In final reporting, they are treated as a student who did not return an answer booklet,

4. Students on the Breach List whose only booklet for the breach subject is voided are reported according to the instructions in the breach list.
5. If a student is marked first-year LEP for any subject, the student is considered first-year LEP for all subjects.

C. *Student Participation Summary*

Participation Status	Part. Flag		Scaled Score	Achievement level	Included in Achievement level Results	Included in SGP and CPI calculations	Test Status
Absent	E	Fail		ABS			NTA
		Pass	✓	✓			
Medically Excused	G	Fail		MED			NTM
		Pass	✓	✓			
First year LEP	F	Fail		LEP			NTL
		Pass	✓	✓			
Incomplete	B			INC			NTO
Transferred	D	Fail		TRN			NTO
			✓	✓			
		Pass					
Tested Alt	A			Alt PL	✓	CPI Only	T
Void	Prelim. Reporting: H			Prelim. Reporting: VAB			NTO

Participation Status	Part. Flag	Scaled Score	Achievement level	Included in Achievement level Results	Included in SGP and CPI calculations	Test Status
Multiple Answer Booklets	Prelim. Reporting: I		Prelim. Reporting: DUP			NTO
	Final Reporting: N		Final Reporting: INV			NTO
Breach list	Reported per Breach list					
Invalidated (INV)	N	No unless otherwise stated in the breach list	INV			NTO
Tested standard	Z	✓	✓	✓	✓	T

III. Calculations

A. Regardless of their participation flag the following students are not included in calculations:

Students enrolled after October 1st (octenrol not equal to '1') at the school level. This does not apply to students attending charter and regional vocational districts (one school districts). The state provides a list of these schools.

B. Students from a collaborative (substr(districtcode,1,2)='95') the sprp_sch=05XX0000 where XX is the 3rd and 4th digit of the testing district code and sprp_dis=senddiscode+'0000'. If senddiscode is null (from SIMS) then sprp_dis=testing district code+0000. For school level aggregations the students are aggregated to sprp_sch and for district level aggregations they are aggregated to sprp_dis.

C. Raw scores

1. Raw scores are based on the scores on common items.

2. Writing Composition scores;
   - Total score for Writing Composition Topic Development= Scorer1 CT + Scorer 2 CT.
   - Total score for Writing Composition Conventions= Scorer 1 CC+ Scorer 2 CC.

D. Scaling

1. Scaling is accomplished by defining the unique set of test forms for each grade/subject combination. This is accomplished as follows:
   a. Translate each form and position into the unique item number assigned to the form/position.
   b. Order the items by
      I. Type- multiple choice, short-answer, constructed-response
      II. Form-common, then by ascending form number.
      III. Position
   c. If an item number is on a form, then set the value for that item number to '1', otherwise set to '.'. Set the exception field to '0' to indicate this is an original test form.
   d. If an item number contains an 'X' (item is not included in scaling) then set the item number to '.'. Set the exception field to '1' to indicate this is not an original test form.
   e. Compress all of the item numbers together into one field in the order defined in step II to create the test for the student.
   f. Select the distinct set of tests from the student data and order by the exception field and the descending test field.
   g. Check to see if the test has already been assigned a scale form by looking in the tblScaleForm table. If the test exists then assign the existing scale form. Otherwise assign the next available scale form number. All scale form numbering starts at 01 and increments by 1 up to 99.

2. Psychometrics provides a lookup table for each scale form. These lookup tables are used to assign scaled scores, achievement levels and standard errors.

E. *Achievement level Coding:*

General Assessment:

1= Warning (W)

2= Needs Improvement (NI)

3= Proficient (P)

4= Advanced (A)

Alternate Assessment:

7 = Incomplete (INP)

8 = Awareness (AWR)

9 = Emerging (EMG)

10= Progressing (PRG)

11= Needs Improvement (NIA)

12= Proficient (P_A)

13 = Advanced (A_A)

F. Composite Performance Index Points Assignment :

CPI points are assigned at the student level based on the student's scaled score in standard tests or achievement level in alternate assessment, according to the table below. MCAS-Alt CPI points are assigned as described in the MCAS-Alt decision rules.

Test	Scaled Score Range	Points	Achievement level
Standard MCAS	240-280	100	Proficient or Advanced
Standard MCAS	230-238	75	Needs Improvement
Standard MCAS	220-228	50	Needs Improvement
Standard MCAS	210-218	25	Warning
Standard MCAS	200-208	0	Warning

1. Points are not assigned to the following students:
   - Absent
   - Medically Excused
   - First year LEP
   - Incomplete
   - Transferred
   - Invalidated
   - DUP
   - Void Answer Booklet (VAB)

G. **Alternate Assessment Achievement level Conversion Chart**

The chart below is used to determine the Standard MCAS achievement level for Alternate Assessment students for their inclusion in achievement level summaries on Standard MCAS reports.

Alternate Assessment	Standard Test
Advanced	Advanced
Proficient	Proficient

Alternate Assessment	Standard Test
Needs Improvement	Needs Improvement
Incomplete, Awareness, Emerging, Progressing	Warning

If a student participated in both the Standard MCAS and the Alternate Assessment, the student's alternate assessment achievement level is used.

H. Official district code (sprp_dis):
   1. If the student's testing district code begins with a 6, 7, 8 or 9, then the official district is the sending district from SIMS (if it exists) concatenated with 4 zeroes at the end except for the test sites on the "**Assigning sprp_dis and sprp_sch: Exceptions**" list. If the student's testing district code begins with a 6, 7, 8 or 9 and no sending district exists, the official district is 99999999.
   2. Otherwise, the official district is the testing district code concatenated with 4 zeroes at the end.

I. Official school code (sprp_sch):
   1. If the student's testing district code begins with a 6 or 7, then the official school is the school code from SIMS except for the test sites on the "**Assigning sprp_dis and sprp_sch: Exceptions**" list below.
   2. If the student's testing district code begins with a '95' then official school code is 05XX0000 where XX is the 3rd and 4th digit of the testing district code.
   3. Otherwise, the official school is the testing school.
   4. If the student tested at a test site (district code begins with 6 or 7) and the student does not link to SIMS resulting in a blank sprp_sch, sprp_sch is set to the test site.

J. **Assigning sprp_dis and sprp_sch: Exceptions**

system	school	sprp_dis	sprp_sch
7005	0004	00350000	from SIMS
7005	0005	00350000	from SIMS
7005	0079	04690000	04690505
7005	0062	04700000	04700105
7005	0063	04910000	04910550
7005	0064	04910000	04910550
7005	0066	04870000	04870550
7005	0067	04870000	04870550
7005	0068	04870000	04870550
7005	0050	06050000	06050505

7005	0051	06050000	06050505
7005	0082	04490000	04490305
7005	0087	04870000	04870550

K. Rounding Table

Calculation	Rounded (to the nearest)
Growth Median	tenth
Percents on all reports	Whole number
Average CPI	tenth

L. Minimum N Size
    If there are less than 10 tested participants (students with CPI points) in a school or district, the achievement level results and medians are not reported for that school/district. If there are less than 20 tested participants the median SGP is not reported for that school/district.

M. In tblScoredItem, rPerfLevel will be populated with 2012 test results PerfLevel is populated with the achievement level used for aggregation.

N. If schtype ='TES' or 'PRI' and senddiscode is a one school district (on the list from the ESE) then at the school level aggregate with the school associated with the senddiscode (available from the list given by the ESE). The octenrol rule is not applied to one school districts. All students who are included at the district level are included at the school level.

O. Pass is defined as earning a achievement level of Needs Improvement or higher.

P. Students in the "low end of the *Proficient* level" group are those students earning a scaled score of 240 for that subject.

Q. Non-Standard Accommodations :

   1. Footnote1 (only appears on the reports if the student attempted at least one item in the associated section) See report specific rules section below for text:
       If elaaccom26='1' then footnote1='1'
       If compaccom29='1' then footnote1='2'
       If elaaccom26='1' and compaccom29='1' then footnote1='3'

   2. Footnote3 (only appears on the reports if the student attempted at least one item in the associated section) See report specific rules section below for text:
       If mataccom30='1' then footnote3='1'

R. State median is 50 (applies to ELA and Math only).

S. Students with octenrol not equal to 1 are excluded from Median calculations for school and district level results. The October enroll rule does not apply to single-school districts for median calculations

T. P34 is the sum of p3 (% Proficient) and P4 (% Advanced).

IV. Report Specific Rules

Preliminary Reporting:
1. Parent/Guardian Reports are not produced during preliminary reporting.
2. Student labels are not produced during preliminary reporting.

Final Reporting:
A. Student Label
1. Student is classified as Tested
   - The achievement level is the student's earned achievement level
   - The scaled score is the student's earned scaled score

2. Student is classified as Not Tested and fails the test
   - The achievement level is the student's not tested reason
   - The scaled score is blank

3. Student is classified as Not Tested and passes the test
   - The achievement level is the student's earned achievement level
   - The scaled score is the student's earned scaled score

4. If both last name and first name are missing the 'BLANK NAME' is printed on the label. If either last name or first name is missing, the word 'BLANK' replaces the missing portion.

5. The name is formatted firstname, mi. lastname. The name is in uppercase letters.

1. Parent/Guardian Report
   i. If a student's school included N-count<10 then summaries are not shown at the school level.
   ii. If a student's district included N-count<10 then summaries are not shown at the district level.
   iii. Check marks (✓) indicate correct responses on item display.
   iv. Check mark (✓) indicates the students achievement level on the "Your child's performance…" section.
   v. Percentages appear with the % symbol on the "Your child's performance…" and "Your child's scores in the sub-content areas…" sections.
   vi. The student's name is formatted Lastname, Firstname MI.

vii. If a student is classified as Not Tested and is not receiving a achievement level and scaled score place the below text in the "Your child's achievement levels and scores"section.

viii. If both last name and first name are missing the 'BLANK NAME' is printed on the label. If either last name or first name is missing, the word 'BLANK' replaces the missing portion.

Achievement level text for Not Tested students:

Not Tested Reason	Parent/Guardian Report Text
Absent	Absent
Medically Excused	Absent—Medically Documented
Incomplete	Incomplete
First year LEP	First-year LEP
Transferred	Transferred
Invalidated	Invalidated

ix. If a student is classified as ALT or ALT breach for all subjects then PLsuppress=1 otherwise PLsuppress=0. Students with PLsuppress=1 will not receive a general MCAS Parent/Guardian report.

ii. On the Parent/Guardian report if the student's composition is non-scorable, 0 is reported in the "Your Child's Answer or Points Earned" column.

iii. Scaled score historical display: If scaled scores are not available for a particular year (due to the student moving into the state this year or the student had a not tested reason that year), place an * superscript beside the year. Footnote reads: "Score not available".

iv. For science only current year scaled score is reported.

v. For scheduled reruns the reporting date (November 2012 or December 2012) is placed at the bottom left side of the 2nd page of the report. For September the reporting date does not appear.

vi. If a student has a nonscoreable code for the Writing Prompt, CC and CT is 0 on the Parent/Guardian report.

vii. If a student tested with a nonstandard accommodation the following text appears below the score in the appropriate box at the top of the report.

Non-Standard Accommodation text for Parent/Guardian Report

Accommodation	Text
Elaacom26	Information provided by the school indicates your child received a nonstandard accommodation (the ELA Reading Comprehension test was read aloud to your child) as required by his or her IEP or 504 plan.
Compaccom29	Information provided by the school indicates your child received a nonstandard accommodation (the ELA Composition test was scribed for your child) as required by his or her IEP or 504 plan.
Elaaccom26 and Compaccom29	Information provided by the school indicates your child received a nonstandard accommodation (the ELA Reading Comprehension test was read aloud to your child, and the ELA Composition test was scribed for your child) as required by his or her IEP or 504 plan.
Mataccom30	Information provided by the school indicates your child received a nonstandard accommodation (your child used a calculator for the noncalculator session of the Mathematics test) as required by his or her IEP or 504 plan.

V. Data File Rules
The following applies to all data file deliveries:
1. Mega File (sent to the ESE by grade).
2. Test status values:
   i. NTO= Transferred students (TRN), Students with achievement level of Incomplete (INC), VAB students, Invalidated (INV), and DUP students.
   ii. NTA=Absent Students
   iii. NTM=Medically excused students
   iv. NTL=First-year LEP students.
   v. T=Students with none of the above test statuses.

3. movein='1' if student has an added reason bubbled(reason for being added to school's enrollment bubbled on the ELA/Math/Science booklet.

4. moveout='1' if student has a removed reason bubbled (reason for being removed from school's enrollment on ELA/Math/Science booklet.)

5. lepflep_off='1' if the student has LEPFLEP='1' (from SIMS).

6. Yrsinmass and yrsinmass_num are reported only for students who are marked as LEP in SIMS and/or first year LEP students.

7. Convert all MP breach list amend codes to '1'.

8. If a multiple choice item is not released and the student answered incorrectly a dash (-) appears for that item in the data file. If the student answered a multiple choice item correctly and plus sign (+) appears for that item in the data file. Open response scores show for all items released or not.

9. Points Earned (DA use: stored in tblScoredItem)
   1. Emcpts = number of multiple choice points earned in the ELA test.
   2. Eorpts = number of open response points earned in the ELA test (including the composition).
   3. Mmcpts = number of multiple choice points earned in the Math test.
   4. Morpts = number of open response points earned in the Math test.
   5. Smcpts=number of multiple choice points earned in the Science test (Grades 5 and 8 only; blank for other grades)
   6. Sorpts=number of open response points earned in the Science test (Grades 5 and 8 only; blank for other grades)

7. The above calculations will be calculated for all students receiving reported raw scores. If a student does not receive reported raw scores these calculations will be set to 0.

10. Accommodations (DA use: stored in tblStudemo)
    1. Accom_l = 1 if the student received any accommodations in ELA (reading comprehension). Otherwise set it to blank.
    2. Accom_c = 1 if the student received any accommodations in ELA composition, otherwise set it to blank.
    3. Accom_m = 1 if the student received any accommodations in Math, otherwise set it to blank.
    4. Accom_s=1 if the student received any accommodations in Science, otherwise set it to blank. Only applies to Grades 5 and 8. Blank for other grades.
    5. If a student did not attempt any items in a subject all applicable accommodation flags will be set to '0'.

The following rules apply to the August and September data file deliveries:
1. The numin fields (one for each subject) ='1' if the student receives CPI points. These are students who are included in CPI calculations. Students excluded from these calculations receive numin='0'.

2. If the student receives CPI points (and therefore numin='1') for the subject then assess='1' for that subject. If partstatus for that subject is 'F' then assess='1' (Math and science). If the subject is ELA and partstatusela='F' or LEP_off='1' and MEPA_Part='0' then eassess='0'. If the student is Absent or Med then assess='0'.

3. To populate the perf2 fields:
    i. If test status is T then achievement levels of W,INP (alt Incomplete), EMG (alt Emerging), PRG (alt Progressing), AWR (alt Awareness) are rolled up into Warning, NI and NIA (alt Needs Improvement) into NI , P and P_A (alt Proficient) into P, and A and A_A (Alt Advanced) into A.
    ii. All the others receive a blank.

4. If a student is alternately assessed in any subject then the student is marked as student with disability (sped_off=1).

5. The mcasrowid is a 15 digit number created in the following manner:
    2 digits= year (12)
    2 digits= grade (03 or 04 or 05 or 06 or 07 or 08)
    1 digit=   test (1)

10 digits=bookletnumber (student's sasid or test bookletnumber of existing booklet)

6. Students whose record changed during the discrepancy period will be flagged datachanged='1'. Otherwise, datachanged='0'. Datachanged='0' for all students in preliminary reporting. After the post discrepancy reporting datachanged is incremented by 1 for each subsequent rerun.

The following rules apply to the June Preliminary data file deliveries:

Multiple choice data files:
1. The student's achievement level is reported according to section II.C. There are no numeric achievement levels assigned.

2. Students who do not attempt any items do not receive a raw score. Otherwise they receive a raw score.

3. The mcasrowid is a 15 digit number created in the following manner:
   2 digits = year (12)
   2 digits= grade (03, 04, 05, 06, 07, 08)
   1 digit= test (3=Math)
   10 digits=SASID or Math Bookletnumber

4. The following related columns are left blank:
   - malt
   - mcomplexity
   - mscaleds
   - mperf2
   - mcpi
   - mnumin
   - massess
   - msgp
   - math_cd
   - salt
   - scomplexity
   - sscaleds
   - sperf2
   - scpi
   - snumin
   - sassess
   - sci_cd

5. The items are ordered so that the released items appear first. Within the released and unreleased groups the items are ordered by test position.

ELA Preliminary data files:

1. The mcasrowid is a 15 digit number created in the following manner:
   2 digits = year (12)
   2 digits= grade (03, 04, 05, 06, 07, 08)
   1 digit= test (2=ELA)
   10 digits= SASID or ELA bookletnumber

2. The items are ordered so that the released items appear first. Within the released and unreleased groups the items are ordered by test position.

3. If test status='T' then eperf2 is equal to perflevel. Otherwise, eperf2 is blank.

4. The following ELA related fields are left blank:
   - enumin
   - eassess
   - esgp
   - ela_cd

Writing Compositions table (Measured Progress use only)
   1. The following rules are applied when populating wciImgVwrFinalDistrict:
      a. Only students with a bookletnumberwri are included in the table.
      b. Score=sum of wpcc and wpct.
      c. BL is used for blank compositions for wpcc and wpct.
      d. If wpct and wpcc are a non scorable code or BL the score is 0. If the student is not tested perflevel is the partstatus code. Otherwise the values of perflevel is 1, 2, 3, or 4. The text (parenttext column in tblperflevellookup) corresponding to the value in the perflevel column is printed on the report.
      e. Grade is the grade of the test.
      f. If the student is on the breach list, report composition scores as indicated on breach list.
      g. Students with achievement level='INC', 'INV','VAB', or 'DUP' are not included in the table and therefore their writing images are not reported.
      h. Specialed and plan504 are combined to create a new variable called IEP504. If either specialed or plan504 is 1 then IEP504 is 1. Otherwise, IEP504 is 0.
      i. If a student is not IEP504 then RegularEd is 1. Otherwise, RegularEd is 0.
      j. LEP is renamed ELL.
      k. If ELL, FLEP, Ever_ELL or Title1 are null then zero fill.
      l. If ethnic or gender is null, set to X.

Appendix A

Single-School Districts list (provided by the ESE- updated for 2012)

discode	District	schcode	School
0028	Berlin	00280005	Berlin Memorial

discode	District	schcode	School
0037	Boxborough	00370005	Blanchard Memorial
0039	Boylston	00390005	Boylston Elementary
0043	Brimfield	00430005	Brimfield Elementary
0045	Brookfield	00450005	Brookfield Elementary
0051	Carlisle	00510025	Carlisle School
0063	Clarksburg	00630010	Clarksburg Elementary
0068	Conway	00680005	Conway Grammar
0074	Deerfield	00740015	Deerfield Elem
0078	Dover	00780005	Chickering
0085	Eastham	00850005	Eastham Elementary
0089	Edgartown	00890005	Edgartown Elementary
0091	Erving	00910030	Erving Elementary
0098	Florida	00980005	Abbott Memorial
0102	Freetown	01020005	Freetown Elementary
0109	Gosnold	01090005	Cuttyhunk Elem
0112	Granville	01120005	Granville Village
0118	Halifax	01180005	Halifax Elementary
0121	Hancock	01210005	Hancock Elementary
0135	Holland	01350005	Holland Elementary
0146	Lakeville	01460005	Assawompset
0148	Lanesborough	01480005	Lanesborough Elementary
0154	Leverett	01540005	Leverett Elementary
0169	Marion	01690005	Sippican
0196	Nahant	01960010	Johnson
0221	Oak Bluffs	02210005	Oak Bluffs Elementary
0224	Orleans	02240005	Orleans Elementary
0230	Pelham	02300005	Pelham Elementary
0234	Petersham	02340005	Petersham Center
0240	Plympton	02400010	Dennett Elementary
0242	Provincetown	02420020	Provincetown Schools
0249	Richmond	02490005	Richmond Consolidated
0250	Rochester	02500005	Rochester Memorial
0253	Rowe	02530005	Rowe Elem
0263	Savoy	02630010	Savoy Elem
0269	Sherborn	02690010	Pine Hill
0272	Shutesbury	02720005	Shutesbury Elementary
0275	Southampton	02750005	William E Norris
0287	Sturbridge	02870005	Burgess Elementary
0289	Sunderland	02890005	Sunderland Elementary

discode	District	schcode	School
0296	Tisbury	02960005	Tisbury Elementary
0300	Truro	03000005	Truro Central
0306	Wales	03060005	Wales Elementary
0318	Wellfleet	03180005	Wellfleet Elementary
0327	Westhampton	03270005	Westhampton Elem School
0337	Whately	03370005	Whately Elementary
0341	Williamstown	03410010	Williamstown Elementary
0406	Northampton-Smith Vocational Agricultural	04060705	Smith Voc and Agr High
0410	Excel Academy Charter (District)	04100205	Excel Academy Charter School
0412	Academy Of the Pacific Rim Charter Public (District)	04120530	Academy Of the Pacific Rim Charter Public School
0413	Four Rivers Charter Public (District)	04130505	Four Rivers Charter Public School
0414	Berkshire Arts and Technology Charter (District)	04140305	Berkshire Arts and Technology Charter School
0415	Amesbury Academy Charter Public	04150505	Amesbury Academy Charter Public School
0416	Boston Preparatory Charter Public (District)	04160305	Boston Preparatory Charter Public School
0418	Christa McAuliffe Regional Charter Public (District)	04180305	Christa McAuliffe Regional Charter Public School
0419	Smith Leadership Academy Charter Public (District)	04190305	Smith Leadership Academy Charter Public School
0420	Benjamin Banneker Charter Public (District)	04200205	Benjamin Banneker Charter Public School
0423	Barnstable Horace Mann Charter (District)	04230010	Barnstable Horace Mann Charter School
0424	Boston Day and Evening Academy Charter (District)	04240505	Boston Day and Evening Academy Charter School
0427	Barnstable Community Horace Mann Charter Public	04270010	Barnstable Community Horace Mann Charter Public School
0428	Edward Brooke Charter (District)	04280305	Edward Brooke Charter School
0429	Kipp Academy Lynn Charter (District)	04290010	Kipp Academy Lynn Charter School
0430	Advanced Math and Science Academy Charter (District)	04300305	Advanced Math and Science Academy Charter School
0432	Cape Cod Lighthouse Charter (District)	04320530	Cape Cod Lighthouse Charter School
0435	Innovation Academy Charter (District)	04350305	Innovation Academy Charter School
0436	Community Charter School of Cambridge (District)	04360305	Community Charter School of Cambridge
0437	City On A Hill Charter Public (District)	04370505	City On A Hill Charter Public School
0438	Codman Academy Charter Public	04380505	Codman Academy Charter Public

discode	District	schcode	School
	(District)		School
0439	Conservatory Lab Charter (District)	04390050	Conservatory Lab Charter School
0440	Community Day Charter Public (District)	04400205	Community Day Charter Public School
0441	Sabis International Charter (District)	04410505	Sabis International Charter School
0444	Neighborhood House Charter (District)	04440205	Neighborhood House Charter School
0445	Abby Kelley Foster Charter Public (District)	04450105	Abby Kelley Foster Charter Public School
0446	Foxborough Regional Charter (District)	04460550	Foxborough Regional Charter School
0447	Benjamin Franklin Classical Charter Public (District)	04470205	Benjamin Franklin Classical Charter Public School
0448	Gloucester Community Arts Charter	04480205	Gloucester Community Arts Charter School
0449	Boston Collegiate Charter (District)	04490305	Boston Collegiate Charter School
0450	Hilltown Cooperative Charter Public (District)	04500105	Hilltown Cooperative Charter Public School
0452	Edward M. Kennedy Academy for Health Careers (Horace Mann)	04520505	Edward M. Kennedy Academy for Health Careers (Horace Mann)
0453	Holyoke Community Charter (District)	04530005	Holyoke Community Charter School
0454	Lawrence Family Development Charter (District)	04540205	Lawrence Family Development Charter School
0455	Hill View Montessori Charter Public (District)	04550050	Hill View Montessori Charter Public School
0456	Lowell Community Charter Public (District)	04560050	Lowell Community Charter Public School
0458	Lowell Middlesex Academy Charter (District)	04580505	Lowell Middlesex Academy Charter School
0464	Marblehead Community Charter (District)	04640305	Marblehead Community Charter School
0466	Martha's Vineyard Charter (District)	04660550	Martha's Vineyard Charter School
0468	Ma Academy for Math and Science	04680505	Ma Academy for Math and Science School
0469	MATCH Charter Public High (District)	04690505	MATCH Charter Public High School
0470	Mystic Valley Regional Charter (District)	04700105	Mystic Valley Regional Charter School
0471	New Leadership Charter (District)	04710405	New Leadership Charter School
0474	North Central Charter Essential (District)	04740505	North Central Charter Essential School
0475	Dorchester Collegiate Academy Charter	04750505	Dorchester Collegiate Academy Charter
0476	Spirit of Knowledge Academy Charter	04760505	Spirit of Knowledge Academy Charter School

discode	District	schcode	School
0477	Silver Hill Horace Mann Charter (District)	04770010	Silver Hill Horace Mann Charter School
0478	Francis W. Parker Charter Essential (District)	04780505	Francis W. Parker Charter Essential School
0479	Pioneer Valley Performing Arts Charter Public (District)	04790505	Pioneer Valley Performing Arts Charter Public School
0481	Boston Renaissance Charter Public (District)	04810550	Boston Renaissance Charter Public School
0482	River Valley Charter (District)	04820050	River Valley Charter School
0483	Rising Tide Charter Public (District)	04830305	Rising Tide Charter Public School
0484	Roxbury Preparatory Charter (District)	04840505	Roxbury Preparatory Charter School
0485	Salem Academy Charter (District)	04850485	Salem Academy Charter School
0486	Seven Hills Charter (District)	04860105	Seven Hills Charter School
0487	Prospect Hill Academy Charter (District)	04870550	Prospect Hill Academy Charter School
0488	South Shore Charter Public (District)	04880550	South Shore Charter Public School
0489	Sturgis Charter Public (District)	04890505	Sturgis Charter Public School
0491	Atlantis Charter (District)	04910550	Atlantis Charter School
0492	Martin Luther King Jr. Charter School of Excellence (District)	04920005	Martin Luther King Jr. Charter School of Excellence
0493	Phoenix Charter Academy (District)	04930505	Phoenix Charter Academy
0494	Pioneer Charter School of Science (District)	04940205	Pioneer Charter School of Science
0496	Global Learning Charter Public (District)	04960305	Global Learning Charter Public School
0497	Pioneer Valley Chinese Immersion Charter(District)	04970205	Pioneer Valley Chinese Immersion Charter School
0499	Hampden Charter School of Science	04990305	Hampden Charter School of Science
0620	Berlin-Boylston	06200505	Tahanto Reg High
0632	Chesterfield-Goshen	06320025	New Hingham Regional Elem
0640	Concord-Carlisle	06400505	Concord Carlisle High
0662	Farmington River Reg	06620020	Farmington River Elem
0670	Frontier	06700505	Frontier Reg
0683	Hampshire	06830505	Hampshire Reg High
0685	Hawlemont	06850005	Hawlemont Reg
0695	Lincoln-Sudbury	06950505	Lincoln-Sudbury Reg High
0700	Marthas Vineyard	07000505	Marthas Vineyard Reg High
0715	Mount Greylock	07150505	Mt Greylock Reg High
0728	New Salem-Wendell	07280015	Swift River
0730	Northboro-Southboro	07300505	Algonquin Reg High

discode	District	schcode	School
0801	Assabet Valley Regional Vocational Technical	08010605	Assabet Valley Voc HS
0805	Blackstone Valley Regional Vocational Technical	08050605	Blackstone Valley
0806	Blue Hills Regional Vocational Technical	08060605	Blue Hills Reg Voc Tech
0810	Bristol-Plymouth Regional Vocational Technical	08100605	Bristol-Plymouth Voc Tech
0815	Cape Cod Regional Vocational Technical	08150605	Cape Cod Region Voc Tech
0818	Franklin County Regional Vocational Technical	08180605	Franklin County Tech
0821	Greater Fall River Regional Vocational Technical	08210605	Diman Reg Voc Tech High
0823	Greater Lawrence Regional Vocational Technical	08230605	Gr Lawrence Reg Voc Tech
0825	Greater New Bedford Regional Vocational Technical	08250605	Gr New Bedford Voc Tech
0828	Greater Lowell Regional Vocational Technical	08280605	Gr Lowell Reg Voc Tech
0829	South Middlesex Regional Vocational Technical	08290605	Joseph P Keefe Tech HS
0830	Minuteman Regional Vocational Technical	08300605	Minuteman Regional High
0832	Montachusett Regional Vocational Technical	08320605	Montachusett Reg Voc Tech
0851	Northern Berkshire Regional Vocational Technical	08510605	Charles McCann Voc Tech
0852	Nashoba Valley Regional Vocational Technical	08520605	Nashoba Valley Tech H S
0853	Northeast Metropolitan Regional Vocational Technical	08530605	Northeast Metro Reg Voc
0854	North Shore Regional Vocational Technical	08540605	North Shore Reg Voc
0855	Old Colony Regional Vocational Technical	08550605	Old Colony Reg Voc Tech
0860	Pathfinder Regional Vocational Technical	08600605	Pathfinder Voc Tech
0871	Shawsheen Valley Regional Vocational Technical	08710605	Shawsheen Valley Voc Tech High School
0872	Southeastern Regional Vocational Technical	08720605	Southeastern Reg Voc Tech
0873	South Shore Regional Vocational Technical	08730605	So Shore Voc Tech High
0876	Southern Worcester County Regional Vocational Technical	08760605	Bay Path Reg Voc Tech H S
0878	Tri County Regional Vocational Technical	08780605	Tri County Reg Voc Tech

discode	District	schcode	School
0879	Upper Cape Cod Regional Vocational Technical	08790605	Upper Cape Cod Voc Tech
0885	Whittier Regional Vocational Technical	08850605	Whittier Reg Voc
0910	Bristol County Agricultural	09100705	Bristol County Agr High
0913	Essex Agricultural Technical	09130705	Essex Agr and Tech Inst
0915	Norfolk County Agricultural	09150705	Norfolk County Agr
0409	Alma del Mar Charter School (District)	04090205	Alma del Mar Charter School
0411	Boston Green Academy Horace Mann Charter School (District)	04110305	Boston Green Academy Horace Mann Charter School
0417	Bridge Boston Charter School (District)	04170205	Bridge Boston Charter School
0443	Edward W. Brooke Charter School 2 (District)	04430205	Edward W. Brooke Charter School 2
0461	Excel Academy Charter School - Chelsea (District)	04610405	Excel Academy Charter School - Chelsea
0462	Grove Hall Preparatory Charter School (District)	04620305	Grove Hall Preparatory Charter School
0465	MATCH Community Day Charter Public School (District)	04650105	MATCH Community Day Charter Public School
0467	Salem Community Charter School (District)	04670505	Salem Community Charter School
0480	UP Academy Charter School of Boston (District)	04800405	UP Academy Charter School of Boston
0763	Somerset Berkley Regional School District	07630505	Somerset Berkley Regional High School