

# **APPENDIX R**

## **ANALYSIS AND REPORTING DECISION RULES—MCAS**

**Analysis and Reporting Decision Rules (Final)**  
**Massachusetts Comprehensive Assessment System (MCAS)**  
**Spring 10-11 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
	MAT			Cat1  Cat5
	SCI			Cat3  Cat4

B. List of Sets of Reports produced this year

#	Name of Report	Subjects	Reporting Levels
1	Student labels	ELA, Math, Science	Student
2	Parent/Guardian Report	ELA, Math, Science	Student
3	Preliminary Item Analysis Report Summary	ELA, Math, Science	School and District
4	Preliminary Performance Level and CPI for Subgroup	ELA only	School and District

Parent/Guardian Reports are printed. All other reports are passed on to the ESE electronically.

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

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.

*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.
- 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. PDF File naming conventions

Preliminary Performance Level and CPI for Subgroup Report:

Jun2011ELA\_Performance\_[grade]\_xxxxxxx.pdf

Where [grade]=the 2 digit grade being reported and xxxxxxx=the 8 digit school code (using the crosswalk to get the DA org code) or the 8 digit district code (last 4 digits zero)

Preliminary Item Analysis Report Summary:

Jun2011[subject]\_ItemAnalysis\_[grade]\_xxxxxxx.pdf

Where [subject]=ELA, Math, STE;[grade]=2 digit grade being reported and xxxxxxx=the 8 digit school code (using the crosswalk to get the DA org code) or the 8 digit district code (last 4 digits zero).

E. 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	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

SchType	Source	Description	Receive aggregate data	
'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

#### F. 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. 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 any common items then the raw score is blanked in addition to no scaled score and no numeric performance 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 performance 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	Performance Level	Included in Performance 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
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 1<sup>st</sup> (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. 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.

## C. 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, performance levels and standard errors.

## D. Performance 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)

**E. Composite Performance Index Points Assignment :**

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

<b>Test</b>	<b>Scaled Score Range</b>	<b>Points</b>	<b>Performance Level</b>
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)

**F. Alternate Assessment Performance Level Conversion Chart**

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

Alternate Assessment	Standard Test
Advanced	Advanced
Proficient	Proficient
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 performance level is used.

**G. 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.

**H. 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. Otherwise, the official school is the testing school.
3. 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.

**I. Assigning sprp\_dis and sprp\_sch: Exceptions**

system	school	sprp_dis	sprp_sch
7005	0024	02810000	02810506
7005	0028	02810000	02810506
7005	0029	02810000	02810506
7005	0030	02810000	02810506
7005	0040	02810000	02810506

7005	0041	02810000	02810506
7005	0065	02810000	02810506
7005	0074	02810000	02810506
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

J. Rounding Table

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

K. Minimum N Size

If there are less than 10 tested participants (students with CPI points) in a school or district, the performance 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.

L. In tblScoredItem, rPerfLevel will be populated with 2011 test results PerfLevel is populated with the performance level used for aggregation.

M. If schtype ='TES' or 'PRI' and senddicode is a one school district (on the list from the ESE) then at the school level aggregate with the school associated with the senddicode (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.

N. Pass is defined as earning a performance level of Needs Improvement or higher.

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

- P. Footnote1:  
 If elaaccom26='1' then footnote1='1'  
 If compacom29='1' then footnote1='2'  
 If elaaccom26='1' and compacom29='1' then footnote1='3'
- Q. Footnote3:  
 If mataccom30='1' then footnote3='1'
- R. State median is 50 (applies to ELA and Math only).
- S. Students with octenrol ne 1 are excluded from Median calculations for school and district level results.
- 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.
3. Preliminary Performance Level and CPI for Subgroup
  - a. If there are less than 10 included students in the school or district no data are reported except for the student included # for that level.
  - b. The district code is reported with 4 zeroes at the end to make the 8 digit code.
  - c. The reporting date is June 20, 2011.
  - d. If the SGP Included # is less than 20, the SGP (median) is suppressed.
4. Preliminary Item Analysis Report Summary
  - a. If there are less than 10 included students no data are reported. The footnotes appear on the report only.
  - b. All common items are listed on the report. The items are ordered so that released items are listed first then unreleased items. Within the 2 groups the items are order in test booklet order.
  - c. If the item is not released, the "Percentages of School's/District's Student Responses for each MC answer" section is blank.
  - d. The reporting date is June 20, 2011.
  - e. The data in the column corresponding to the key for item is bolded.
  - f. If the data in the difference column is negative the data is red. Otherwise, the data is black.
  - g. The grade in the header section of the reported is reported as a single digit.
  - h. The standard column is concatenation of the standard code and the topic text.
  - i. The "Average SA/OR Points" column is report to the nearest hundredth.

- j. The district code is reported with 4 zeroes at the end to make the 8 digit code.
- k. For math and science only the MC items have data populated although all common items will be listed. The following columns are populated for OR items:
  - Item Number
  - Item Type
  - Strand
  - Standard
- l. The code for the district or school in the header section of the report is the DA org code.

## Final Reporting

### A. Student Label

1. Student is classified as Tested
    - The performance level is the student's earned performance level
    - The scaled score is the student's earned scaled score
  2. Student is classified as Not Tested and fails the test
    - The performance 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 performance level is the student's earned performance level
    - The scaled score is the student's earned scaled score
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 performance 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 performance level and scaled score place the below text in the "Your child's performance levels and scores" section.

Performance 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

- viii. If a student is classified as ALT or ALT breach for all subjects then  $PL_{suppress}=1$  otherwise  $PL_{suppress}=0$ . Students with  $PL_{suppress}=1$  will not receive a general MCAS Parent/Guardian report.
- ix. If a student is classified as tested standard then “Percent of Possible Points Earned by Your Child” is reported on the Parent/Guardian report. If the student is classified as Not tested and achieves Needs Improvement or higher “Percent of Possible Points Earned by Your Child” is reported. If the student is classified as Not Tested and does not achieve Needs Improvement or higher Percent of Possible Points Earned by Your Child” is not reported. “Percent of Possible Points Earned by Students Who Performed at the *Proficient* Level” is reported regardless of student’s tested status.
- ii. On the Parent/Guardian report if the student’s composition is non-scoreable, 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 2011 or December 2011) is placed at the bottom left side of the 2<sup>nd</sup> 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; 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.

**I. Data File Rules**



**The following applies to all data file deliveries:**

1. District File (sent to the ESE by grade). Megafile is sent to the state for the data warehouse.
2. Test status values:
  - i. NTO= Transferred students (TRN), Students with performance 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 is 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.

**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' 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 performance 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 (11)
  - 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 performance level is reported according to section II.C. There are no numeric performance 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 (11)
  - 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 order 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 (11)
  - 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

1. The following rules are applied when populating tblImgVwrFinalDistrict:
  - 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.
  - 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, or 3. The text 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. Parent text from tblPerflevellookup is placed on the report for the performance level.
  - h. Students with performance level='INC', 'INV', 'VAB', or 'DUP' are not included in the table and therefore their writing images are not reported.

Addenda

June 7, 2011 1. If 8 digit school code or district code begins with 6 or 9 then convert first digit to 0. If the first digit is 7 or 8 convert to 2. The converted code is used in the file name only.

June 10, 2011 The October enroll rule does not apply to single-school districts for median calculations

## Appendix A

Single-School Districts list (provided by the ESE- updated for 2011)

<b>discode</b>	<b>District</b>	<b>schcode</b>	<b>School</b>
0028	Berlin	00280005	Berlin Memorial
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

<b>discode</b>	<b>District</b>	<b>schcode</b>	<b>School</b>
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
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	04300305	Advanced Math and Science

<b>discode</b>	<b>District</b>	<b>schcode</b>	<b>School</b>
	Academy Charter (District)		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 (District)	04380505	Codman Academy Charter Public 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

<b>discode</b>	<b>District</b>	<b>schcode</b>	<b>School</b>
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
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

<b>discode</b>	<b>District</b>	<b>schcode</b>	<b>School</b>
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
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



<b>discode</b>	<b>District</b>	<b>schcode</b>	<b>School</b>
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
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

DRAFT

**Analysis and Reporting Decision Rules (Final)**  
**Massachusetts Comprehensive Assessment System (MCAS)**  
**Spring 10-11 Administration**  
**High School 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
10	ELA(Reading and Writing)	Common	Cat2	Cat1  Cat3
	Math (mat)			Cat1  Cat5
9,10,11,12	Physics (phy)	Common	Cat2	Cat3  Cat4
	Chemistry (che)	Common	Cat2	Cat3  Cat4
	Biology (bio)	Common	Cat2	Cat3  Cat4
	Tech./Eng. (tec)	Common	Cat2	Cat3  Cat4

B. List of Sets of Reports produced this year

Grade 10, 10+

#	Name of Report	Subjects	Reporting Level
1	Student Labels	ELA, Math, Science and Tech/Engineering (STE)	Student
2	Parent/Guardian Report	ELA, Math, Bio/Che/Phy/Tec	Student
3	Preliminary Item Analysis Report Summary	ELA, Math	School and District
4	Preliminary Performance Level and CPI for Subgroup	ELA only	School and District

Grade 9

#	Name of Report	Subjects	Reporting Level
1	Student Labels (Grade 9 only)	Technology/Engineering; Physics; Chemistry; Biology	Student
2	Parent/Guardian Report (Grade 9 only)	Technology/Engineering; Physics; Chemistry; Biology	Student

Student Labels and Parent/Guardian Reports are printed. All other reports are passed on to the ESE electronically.

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]\_MCMath[2 digit Grade].dat

- One file per grade
- Consists of student level Math 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]\_HS.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

State file (State Layout): MCAS[4 digit year]\_HS.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.

*Accommodations File:*

State Level File (Accommodations Layout): MCAS[4 digit year]\_AccomAllGrades.dat

- Contains all the accommodations marked for all students in the state
- Contains all subjects
- Posted on the ftp site for the ESE

*Student Questionnaire File:*

State Level File: MCAS[4 digit year]\_Questionnaire.dat

- One file containing all student level questionnaire for all students
- 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. PDF File naming conventions

*Preliminary Performance Level and CPI for Subgroup Report:*

Jun2011ELA\_Performance\_[grade]\_xxxxxxx.pdf

Where [grade]=the 2 digit grade being reported and xxxxxxx=the 8 digit school code (using the crosswalk to get the DA org code) or the 8 digit district code (last 4 digits zero).

*Preliminary Item Analysis Report Summary:*

Jun2011[subject]\_ItemAnalysis\_[grade]\_xxxxxxx.pdf

Where [subject]=ELA, Math [grade]=2 digit grade being reported and xxxxxxx=the 8 digit school code (using the crosswalk to get the DA org code) or the 8 digit district code (last 4 digits zero).

### E. School Type

SchType	Source	Description	Receive aggregate data	
			School	District
'PRI'	Testing school's district code starts with 8 or 9.	These schools are private schools. The students are aggregated with their official districts.	No	No
'TES'	Testing 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'	Testing school's district code does not start with a 6, 7,8 or 9	These students are aggregated with their reporting (the SIMS school for students whose records were added from SIMS and testing school for students who submitted a booklet) school and district.	Yes	Yes

### F. Other Information

1. Writing Composition is included as part of the ELA test.
2. The Writing composition is scored on two dimensions: Topic Development (CT) and Conventions (CC).
3. The threshold number is 50 for the High school STEs for all dif stats. The threshold number for non-LEPFLEP vs. LEPFLEP is 50 for ELA and Math only. The threshold is 100 for all other dif stat/subject combinations. Only first-time test takers in the eligible grades are included in item stats.
4. All common items for ELA, Math, Biology, Physics, Chemistry and Technology/Engineering are being released.
5. The HS STEs when stored by "grade" are stored as follows:
  - 09=Technology/Engineering
  - 10=Biology
  - 11=Chemistry
  - 12=Physics
6. HS STE students who do not attempt the first 10 items are not included in psychometric files or item stats.

7. A record is created for all students who are in grades higher than 10 who are marked non10status='2' (require\_non10 ='2' in SIMS) and active\_test='1' if no booklet is submitted for the student. These students are required to take Grade 10 ELA , Math and a High school STE test. These students are reported as Absent (NTA) in ELA, Math and STE.
8. A record is also created for any student in Grade 10 in SIMS who has active\_test='1' and has not submitted a booklet. The student is reported as PAS (previously passed) or PRF (previously failed) or Absent for ELA and Math. For STE the student is reported as PAS or PRF or Absent (if oct\_off='1' and PAS and PRF do not apply). The student is defaulted to Biology for High School STE.
9. If a student previously passed the ELA, Math or STE test and retakes the same subject, the current test results are suppressed and the student's previous results are reported.
10. If a student has previously failed the ELA, Math or STE test and retakes the same subject, the student is classified as Tested, Retake (TR) for that subject.
11. Retesters are not removed from the Matrix files for Psychometrics.
12. Retesters are excluded from Item stats. This applies to all subjects.
13. Growth only applies to ELA and Math. Growth percentiles are reported at the student level. The median growth percentile is calculated at the school, district and state level.

## V. 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.
  1. MED
  2. ABS
  3. TRN
3. An attempt to a multiple choice item is an A, B, C, D, or \*=multiple marks. An attempt to an open response item is any non-blank score including unscorable.
4. If a student does not meet attemptedness and has 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 the student does not meet attemptedness in ELA, Math or STE and the student previously failed, the student is reported as Previously Failed (PRF) in that subject.
6. If the student does not meet attemptedness in ELA, Math or STE and the student previously passed, the student is reported as Previously Passed (PAS) in that subject.
7. If active\_test='1' and student has a removed or added reason the removed or added reason is ignored.
8. 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).
9. If the student's grade is 11 or 12 (stugrade='11' or '12') and non10status is blank and the student submits only HS STE booklet, only STE is reported for the student. The student does not receive a not tested reason for ELA and Math.

#### B. *Not Tested Reasons*

##### *(By Subject)*

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

- 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')
- Previously Passed (matperfelevelhigh='2','3','4' from SIMS or math\_cd field is not null or 0)
- Previously Failed (matperfelevelhigh='1' from SIMS or high\_mscaleds is less 220 but not null)
- Transferred (The student changed schools during testing; removed or added reasons given; active\_test='0' or null and has an answer booklet)
- Medically Excused (NT[subject]='M')
- Not Tested Absent (NT[subject]='O')
  
- If grade=10 and NT[subject]='O' then receive performance level Absent

- If grade=11 or 12 and non10status not equal to '2' then receive performance level ="Did Not Test"

#### 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')
- Previously Passed (elaperflevelhigh='2','3','4' from SIMS or ela\_cd field is not null or 0)
- Previously Failed (elaperflevelhigh='1' from SIMS or high\_escaleds is less than 220 but not null)
- Transferred (The student changed school during testing; removed or added reasons given; active\_test='0' or null and has an answer booklet)
- First Year LEP (student with LEPFirst bubbled on ELA or Math or STE booklet and YearsMASS not >1) and mepapart not equal to 0
- Medically Excused (NT[subject]='M')
- Not Tested Absent (NT[subject]='O')
- If grade=10 and NT[subject]='O' then receive performance level Absent
- If grade=11 or 12 and non10status not equal to '2' then receive performance level ="Did Not Test"

#### Not Tested Hierarchy (For STE)

- 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')
- Previously Passed (Previous STE performance level is A, P, NI, NIA, P\_A, or A\_A) or Previously Failed (Previous STE performance level is F, AWR, EMG, PRG, INP)
- Mastery Students (non10status='1') receiving a performance level of incomplete
- Require\_non10 (non10status='2') receiving a performance level of Absent
- Grade=10 and Oct\_off=1 receive a performance level of Absent
- Grade=10 and Oct\_off not ='1' receive a performance level of Incomplete



- Transferred (The student changed schools during testing; removed or added reasons given; active\_test='0' or null and has an answer booklet)
  - Medically excused (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

- Security Breach (cheating; Treated as stated in the Breach List from ESE) or void booklet (preliminary reporting)
  - Alt
  - Security Breach (Multiple Answer Booklets for a subject; Amend='1')
  - Previously Passed (Previous performance level is A, P, or NI)
  - First Year LEP (Student with LEPFirst bubbled on either ELA or Math or STE booklet and YearsMASS not > 1).
  - Student is a retester (high\_scaleds is not null and for ELA and Math only, non10status ne 2)
4. Post-Discrepancy period the above hierarchies and attemptedness rules are not applied to students whose Participation statuses have been changed by the school or ESE. The participation status used for final reporting will reflect the change(s) made by the school and/or ESE.

#### *D. Student Participation Status*

1. If a student has a Not Tested reason and did not attempt any common items then the raw score is blanked in addition to no scaled score and no numeric performance level.
2. Mastery students (non10status='1') who meet attemptedness receive their earned performance level (A\_M, P\_M, NIM, F\_M). Otherwise, they receive a performance level of 'Incomplete'.
  - If the student is marked non10status='1' for one subject then the non10 designation applies to ELA and Math subjects.
  - Their test status is NTO if they do not meet attemptedness. Otherwise, their test status is TR.
  - They are not included in any aggregations.
  - If a student is marked non10status='1' and stugrade is not greater than 10, non10status is ignored
  - If a student is marked non10status='1' and marked first-year LEP, first-year LEP is ignored.
3. If a student is marked First Year LEP for any subject, the student is considered First year LEP for all subjects.

4. If official school (sprp\_sch) = SIMS school, then octenrol (oct\_off) is not changed. Otherwise, octenrol='0'.
5. Students whose only booklet for a subject is voided are reported in the following manner:
  - In preliminary reporting they receive a performance level of 'VAB' for that subject.
  - In final reporting, they are treated as a student who did not return a booklet.
6. Students on the breach list whose only booklet for the breach subject is voided are reported according to the instructions in the breach list.

*E. Student Participation Summary*

Participation Status	Part. Flag	Scaled Score	Performance Level	Included in SGP and CPI calculations	Included in Performance Level Results	Test Status
Absent	E	Fail	ABS			NTA
		Pass	✓	✓		
Medically Documented Absence	G	Fail	MED			NTM
		Pass	✓	✓		
First year LEP	F	Fail	LEP			NTL
		Pass	✓	✓		
Incomplete	B		INC			NTO
Transferred	D	Fail	TRN			NTO
		Pass	✓	✓		
Did Not Test (ELA and Math only)	J					NTO
Tested Alt	A		Alt PL	CPI only	✓	T
Previously Passed	K		PAS (on student report)		✓ (first-time 10 <sup>th</sup> graders included with their previous result; STE only)	NTO
Previously Failed	L		PRF (on student report)		✓ (first-time 10 <sup>th</sup> graders included with their previous result; STE only)	NTO

Participation Status	Part. Flag	Scaled Score	Performance Level	Included in SGP and CPI calculations	Included in Performance Level Results	Test Status
Grade 11 or 12 student only taking science (applied to ELA and Math only)	P	[blank]	[blank]			
Void	Prelim. Reporting: H		Prelim. Reporting: VAB			NTO
Multiple Answer Booklets	Prelim. Reporting: I		Prelim. Reporting: DUP			NTO
	Final Reporting: N		Final Reporting: INV			NTO
Breach list	Reported per Breach List					
Invalidated	N	No unless otherwise stated in the breach list	INV			NTO
Retester	O	✓	✓		First time 10 <sup>th</sup> graders or non 10 status=2 retesters will use the highest perflev (STE only) ELA and Math retesters are excluded from all aggregations	TR
Tested standard (first time test taker)	Z	✓	✓	✓	✓	T

## VI. Calculations

Regardless of their participation flag the following students are not included in performance level and scaled score calculations:

- For ELA and Math: Student enrolled after October 1<sup>st</sup> (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.
- Mastery/Scholarship students (non10status='1')
- For High school STEs only, students who are not continuously enrolled since Oct. 1, 2009 (conenr\_sch not= '1') at their reporting school are excluded from class of 2013 STE school level aggregations except for single-school districts (which use district results as school districts). Students who are not continuously enrolled since Oct. 1, 2009 (conenr\_dis not='1') at their reporting district are excluded from class of 2013 STE district level aggregations. Students who are not continuously enrolled since Oct. 1, 2009 (conenr\_sta not='1') in the state are excluded from class of 2013 STE state level aggregations.

### A. 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.

### B. Scaling

Scaling is done using a look-up table provided by psychometrics and the student's raw score.

### C. Determining Competency

#### *ELA and Math:*

Students' cd (ela\_cd and math\_cd) status in SIMS is updated using Spring 2011 results. If the student's cd status in SIMS is 1, the student's status cannot change to 0. If the cd status in SIMS is 2, the student's status cannot change to 1 or 0.

If the student's cd status in SIMS is 0 or null the cd status is updated as follows:

If scaledscore is between 220 and 238 inclusive then cd is 1. Otherwise if scaledscore is 240 or higher then cd is 2. Otherwise, cd is 0.

*STE:*

Students' sci\_cd in SIMS is updated using Spring 2011 results. If the student's sci\_cd in SIMS is 1, the student's status cannot change to 0.

If the student's sci\_cd in SIMS is 0 or null sci\_cd is updated as follows:

If scaledscore is 220 or higher then sci\_cd=1. Otherwise, sci\_cd is 0.

*D. Performance Level Coding:*

**General Assessment:**

1 =Failing (F)

2= Needs Improvement (NI)

3= Proficient (P)

4= Advanced (A)

**Certificate of Mastery:**

14= Advanced CM (A\_M)

15= Proficient CM (P\_M)

16= Needs Improvement (NIM)

17= Failing CM (F\_M)

**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)

**E. Composite Performance Index Points Assignment :**

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

Test	Scaled Score Range	Points	Performance 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	Failing
Standard MCAS	200-208	0	Failing

2. Points are not assigned to the following students:

- Void Answer Booklet (VAB)
- DUP
- Absent
- Medically Documented Absent
- First year LEP
- Incomplete
- Transferred
- Mastery/Scholarship Students (non10status='1')
- Invalidated
- Did Not Test
- PAS (except stugrade=10 students in STE)
- PRF (except stugrade=10 students in STE)
- Retester

**F. Alternate Assessment Performance Level Conversion Chart**

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

Alternate Assessment	Standard Test
Advanced	Advanced
Proficient	Proficient
Needs Improvement	Needs Improvement
Incomplete, Awareness, Emerging, Progressing	Failing

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

G. Official district code (sprp\_dis):

3. 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, then the official district is 99999999.
4. Otherwise, the official district is the testing district code concatenated with 4 zeroes at the end.

H. Official school code (sprp\_sch):

4. 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.
5. Otherwise, the official school is the testing school.
6. 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.

I. Assigning sprp\_dis and sprp\_sch: Exceptions

system	school	sprp_dis	sprp_sch
7005	0024	02810000	02810506
7005	0028	02810000	02810506
7005	0029	02810000	02810506
7005	0030	02810000	02810506
7005	0040	02810000	02810506
7005	0041	02810000	02810506
7005	0065	02810000	02810506
7005	0074	02810000	02810506

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

I. Rounding Table

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

J. Minimum N Size

If there are less than 10 tested participants (students with CPI points) in a school or district, the performance 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.

K. If schtype is 'TES' or 'PRI' and senddiscode is a one school district (see Appendix A for a list of these schools) then at the school level aggregate with the school associated with the senddiscode (available from the list given by the ESE). If calculating data for the combined STEs then use conenr\_dis at the district and school levels. Otherwise, use octenrol. For one school districts do not apply the octenrol rule. All students who are included in aggregations for one school districts at the district level are to be included in the aggregations at the school level.

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

M. Pass is defined as earning a performance level of Needs Improvement or higher.

N. Footnote1:

If elaaccom26='1' then footnote1='1'  
 If compaccom29='1' then footnote1='2'  
 If elaaccom26='1' and compaccom29='1' then footnote1='3'



- O. Footnote3:  
If mataccom30='1' then footnote3='1'
- P. Footnote2:  
  - ELA, Math and STE: If performance level='1' (Failing) then footnote2='1'
  - ELA and Math: If performance level='2' (Needs Improvement) then footnote2='2'
  - STE: If performance level='2','3','4' (Needs Improvement; Proficient or Advanced) then footnote2='3'
  - ELA and Math: If performance level='3','4' (Proficient or Advanced) then footnote2='3'
- Q. P34 is the sum of p3 (percent of students in the Proficient category) and p4 (percent of students in the Advanced category)
- R. State median is 50 (applies to ELA and Math only).
- S. Student with octenrol ne 1 are excluded from median calculations at the school and district levels.
- T. If a student has previously passed or previously failed high school STE cpi points will be assigned using the students previous results. If the student previously passed or previously failed taking the alt, cpi points are assigned using previous cpi assignment rules.

- **Report Specific Rules**

Preliminary Reporting

1. Parent/Guardian Reports are not produced during preliminary reporting.
2. Student labels are not produced during preliminary reporting.
3. Preliminary Performance Level and CPI for Subgroup
  - e. If there are less than 10 included students in the school or district no data are reported except for the student included # for that level.
  - f. The district code is reported with 4 zeroes at the end to make the 8 digit code.
  - g. The reporting date is June 20, 2011.
  - h. If the SGP Included # is less than 20, the SGP (median) is suppressed.
4. Preliminary Item Analysis Report Summary
  - m. If there are less than 10 included students no data are reported. The footnotes appear on the report only.
  - n. All common items are listed on the report. The items ordered in test booklet order.
  - o. If the item is not released, the "Percentages of School's/District's Student Responses for each MC answer" section is blank.
  - p. The reporting date is June 20, 2011.

- q. The data in the column corresponding to the key for item is bolded.
- r. If the data in the difference column is negative the data is red. Otherwise, the data is black.
- s. The grade in the header section of the reported is reported as a single digit if the grade is not 10.
- t. The standard column is concatenation of the standard code and the topic text.
- u. The "Average SA/OR Points" column is report to the nearest hundredth.
- v. The district code is reported with 4 zeroes at the end to make the 8 digit code.
- w. For math and science only the MC items have data populated although all common items will be listed. The following columns are populated for OR items:
  - Item Number
  - Item Type
  - Strand
  - Standard
- x. The code for the district or school in the header section of the report is the DA org code.

#### Final Reporting

##### B. Student Label

- 4. Student is classified as Tested
  - The performance level is the student's earned performance level
  - The scaled score is the student's earned scaled score
  - If the student is tested in STE the STE which the student took is displayed
- 5. Student is classified as Not Tested and fails the test
  - The performance level is the student's not tested reason
  - The scaled score is blank
  - If the student is Not Tested in STE, the subject is STE
- 6. Student is classified as Not Tested and passes the test
  - The performance level is the student's earned performance level
  - The scaled score is the student's earned scaled score
  - For science the specific science is displayed
- 7. Student is classified as Previously Passed (PAS) in science
  - The performance level is 'Previously Passed'
  - The subject is the STE corresponding to scitry\_prev (the science the student took last).
  - The scaled score is blank
- 8. Student is classified as Previously Failed (PRF) in science

- The performance level is 'Previously Failed'
  - The subject is the STE corresponding to scitry\_prev (the science the student took last).
  - The scaled score is blank
9. Student is classified as Previously Passed (PAS) in ELA or Math
    - The performance level is 'Previously Passed'
    - The scaled score is blank
  10. Student is classified as Previously Failed (PRF) in ELA or Math
    - The performance level is 'Previously Failed'
    - The scaled score is blank
  11. If suppress='1' (stugrade='11' or '12' and student is not required to take Grade 10 tests (non10status='2') and an STE booklet is submitted or grade='09' use the label with only 1 subject (science). The subject will be the specific science the student took (Biology, Chemistry, Introductory Physics or Technology/Engineering)

#### C. Parent/Guardian Report

1. If a student's school included N-count<10 then school summaries are not produced.
2. If a student's district included N-count<10 then district summaries are not produced.
3. On the grade 9 parent/guardian report the percent of students at each performance level include only current grade 9 students (Class of 2014) who took any STE. Only students with participation statuses 'A','Z','K' or 'L' are included. The student's highest performance level is used in the calculation if the student has previously taken an STE.
4. For grade 10 students (class of 2013) and students required to take Grade 10 tests, the aggregation for Science and Technology/Engineering (the percent of students at each performance level) include only grade 10 students currently enrolled in SIMS or other students required to take the grade 10 tests. Only students with participation statuses 'A','Z','K', or 'L' are included. The calculations are done using the highest performance level that the student has earned on an STE.
5. For students in Grade 11 or 12 (stugrade =11 or 12), if the student is not required to take Grade 10 tests (non10status is not 2) and submitted only an STE booklet, only science is reported on their P/G report. Suppress='1' for these students. If the student is not required to take Grade 10 tests and submits an ELA and/or Math booklet the display for the percent of students at each performance level for ELA, Math and STE does not appear. In tblStudemo suppress=2 for these students. Otherwise, suppress=0.

6. The “Your child’s scores in the sub-content areas measured by each test” section is based on the current year’s test. These results appear for all students who are classified as Tested or Tested, Retake. If a student is classified as Not Tested the “Percent of Possible Points Earned by Your Child” column is left blank. The state level data is always reported.
7. The % sign appears in all data cells of the sub-content area display.
8. Students classified as Previously Passed (PAS) in STE are reported as follows:
  - The performance level is ‘Previously Passed’
  - The scaled score is blank
  - The responses are blank
  - The table of percent of students at each performance level shows the student’s previous performance level.
  - If the student is in grade 9 or a student required to take grade 10 tests, the student is included in the aggregation of his/her class (class of 2014 or class of 2013) with his/her highest performance level.
  - The subject is the STE corresponding to scitry\_prev (the STE the student took last).
9. Students classified as Previously Failed (PRF) in STE are reported as follows:
  - The performance level is ‘Previously Failed’
  - The scaled score is blank
  - The responses are blank
  - The check mark (✓) indicates the student’s highest performance level.
  - If the student is in grade 9 or a student required to take grade 10 tests, the student is included in the aggregation of his/her class (class of 2014 or class of 2013) with his/her highest performance level.
  - The subject is the STE corresponding to scitry\_prev (the STE the student took last).
10. Students classified as Previously Passed (PAS) in ELA or Math are reported as follows:
  - The performance level is ‘Previously Passed’
  - The scaled score is blank
  - The responses are blank
  - The table of percent of students at each performance level shows the student’s previous performance level.
11. Students classified as Previously Failed (PRF) in ELA or Math are reported as follows:
  - The performance level is ‘Previously Failed’
  - The scaled score is blank

- The responses are blank
  - The check mark (✓) indicates the student's highest performance level.
12. The student is classified as Not Tested (other than PRF or PAS) and fails the test:
- The performance level is the corresponding text for the Not Tested reason.
  - The scaled score is blank.
  - The responses are blank if no responses given. Otherwise, the responses are shown.
  - The performance level and growth tables (growth is not applicable to science) are displayed if the student is in grade 9 (STE only) or the student is required to take grade 10 tests.
  - The student is not included in any aggregation.
13. The student is classified as Not Tested (other than PRF or PAS) and passes the test:
- The performance level is the earned performance level
  - The scaled score is the earned scaled score
  - The responses are reported
  - The tables performance level and growth tables (growth is not applicable to science) are displayed if the students is in grade 9 (STE only) or the students is required to take grade 10 tests.
14. The student is classified as Tested:
- The performance level is the student's earned performance level
  - The scaled score is the student's earned scaled score
  - The responses are displayed.
  - The performance level summary table shows the student's performance level with a check mark (✓).
  - If the student is tested in science, the science which the student took is displayed in the 'Subject Area' section. If the student previously tested, the student is included in his/her class aggregation using the highest performance level received.
  - If the student tested with non standard accommodations the appropriate note appears beneath the score.

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

Accommodation	Text
	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; 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.

15. For all students with participation status of previously passed or previously failed for ELA or Math we will not populate the “Percent of Possible Points Earned by Your Child” regardless of whether they attempted the current year’s test. We will only populate the state column.
16. The grade should be 10 for any student who gets the grade 10 shell, including grade 11 or 12 students who skipped 10. Use stugrade for students who get the grade 9 or grade11/12 shell.
17. Mastery students receive their appropriate footnote2.
18. Students who are classified as not tested and fail receive footnote2='1'.
19. Alt students receive the appropriate footnote2.

20. Performance level text for Not Tested students:

Not Tested Reason	Parent/Guardian Report Text
Absent (ABS)	Absent
Medically Documented Absent (MED)	Absent—Medically Documented
Incomplete (INC)	Incomplete
Invalidated (INV)	Invalidated
First year LEP(LEP)	First-year LEP
Transferred (TRN)	Transferred
Previously Passed (PAS)	Previously Passed
Previously Failed (PRF)	Previously Failed

21. 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.

22. If the student achieves *Needs Improvement* the following text appears below the student's performance level:

ELA and Math: "Your child has met the MCAS testing requirement in this subject for graduation, but requires an Educational Proficiency Plan."

STE: "Your child has met the MCAS graduation requirement in this subject."

If the student achieves *Proficient* or *Advanced* the following text appears below the student's performance level:

ELA and Math: "Your child has met the MCAS graduation requirement in this subject."

STE:"Your child has met the MCAS graduation requirement in this subject."

If the student receives a performance level of *Failing* the following text appears below the student's performance level:

ELA and Math: "Your child has not met the MCAS graduation requirement in this subject."

STE: "Your child has not met the MCAS graduation requirement in this subject."

- **Data File Rules**

**The following applies to all data file deliveries:**

- A. District File (sent to the ESE and sliced by official district and by official school). Megafile is sent to the state for the data warehouse.
- B. Test status values:
  - NTO= Transferred students (TRN), Student with performance level of Incomplete (INC), Invalidated (INV), Scholarship students, VAB students, DUP students, PRF, PAS
  - NTA=Absent Students
  - NTM=Medically excused students
  - NTL=First-year LEP
  - T=Students with none of the above test statuses.
  - TR=Retesters (ELA, Math or STE)
1. movein='1' if student has an added reason bubbled(reason for being added to school's enrollment bubbled on the ELA/Math/STE booklet.
2. moveout='1' if student has a removed reason bubbled (reason for being removed from school's enrollment on ELA/Math/STE booklet.)
3. Convert all MP breach list amend codes to '1'.
4. lepflep\_off='1' if the student has LEPFLEP='1' (from SIMS).
5. Yrsinmass and yrsinmass\_num are reported only for students who are marked as LEP in SIMS and/or first year LEP students.
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 applies to the August and September data file deliveries:**

1. STE: PRF and PAS students get their previous scaled score, corresponding perf2 and CPI points. ELA and Math: PRF and PAS students, perf2 is blank. No cpi points are given.
2. 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'.



3. If the student receives CPI points (and therefore numin='1') or partsatus='F' for the subject then assess='1' (Math and STE). If the subject is ELA and partstatusela='F' and MEPA\_Part='0' then eassess='0' otherwise, if the student receives CPI points or partstatusela='F' and MEPApart='1' or null then eassess='1'. If the student is Absent or Med then assess='0'. If the student is mastery/scholarship or PRE, INC, TRN then assess is left blank.
4. To populate the perf2 fields:
  - If test status is T (tested; first time test taker) the students with performance levels of F, INP (alt Incomplete), EMG (alt Emerging), PRG (alt Progressing), AWR (alt Awareness) are rolled up into Failing, NI and NIA (alt Needs Improvement) into NI, P and P\_A (alt Proficient) into P, and, A\_A (Alt Advanced) and A into A.
  - Grade 10 STE: PRF are rolled up into F and PAS is rolled up into whatever is the corresponding perf2 for their previous performance level
  - Scholarship students are left blank (non10status=1).
  - All the others receive a blank.
5. If a student is alternately assessed in any subject then the student is marked as student with disability (sped\_off=1).
6. The mcasrowid is a 15 digit number created in the following manner:
  - 2 digits= year (11)
  - 2 digits= grade (HS)
  - 1 digit= test (1)
  - 10 digits=bookletnumber (student's sasid or test bookletnumber of existing booklet)

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

Multiple choice data files:

1. The student's performance level is reported according to section II.C. There are no numeric performance 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 (11)
  - 2 digits= grade (HS)
  - 1 digit= test (3=Math)
  - 1. digits=SASID or Math Bookletnumber
4. The following related columns are left blank:
  - malt
  - mcomplexity
  - mscaleds

- mperf2
- mcpi
- mnumin
- massess
- msgp
- math\_cd

ELA Preliminary data files:

5. The mcasrowid is a 15 digit number created in the following manner:
  - 2 digits = year (11)
  - 2 digits= grade (HS)
  - 1 digit= test (2=ELA)
  - 10 digits= SASID or ELA bookletnumber
6. If test status='T' then eperf2 is equal to perflevel. Otherwise, eperf2 is blank.
7. The following ELA related fields are left blank:
  - enumin
  - eassess
  - esgp

Writing Compositions table

2. The following rules are applied when populating tblImgVwrFinalDistrict:
  - 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.
  - 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, or 3. The text 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. Parent text from tblPerflevellookup is placed on the report for the performance level.
  - h. Students with performance level='INC', 'INV', 'VAB', or 'DUP' are not included in the table and therefore their writing images are not reported.

Addenda:

- May 31, 2011
1. All students with non10status='1' and are tested are teststatus='TR'
  3. Students are classified as partstatus='J' have attempted no items. Otherwise, they are classified as Incomplete (partstatus='B').

- June 3, 2011
1. If a mastery student has any not tested reasons, they are ignored. If the student does not attempt any items report as partstatus='J'. Otherwise, report as INC.

June 7, 2011 1. If 8 digit school code or district code begins with 6 or 9 then convert first digit to 0. If the first digit is 7 or 8 convert to 2. The converted code is used in the file name only.

June 10, 2011 The October enroll rule does not apply to single-school districts for median calculations

July 13, 2011 1.

**STE** – if a student tests again after already passing, we always code it as **NTO/PAS** and blank out all item responses and scores;

**ELA/Math** – if **stugrade** (grade in SIMS) is ‘10’ (repeating 10<sup>th</sup> graders who previously passed), we report them as **T (tested) / perf. level** and report all items and scores. The **non10status** for these students should be blank;

**ELA/Math** – if **stugrade** is not 10 (11, 12, or SP) and **non10status=1** (the bubble should have been filled in), we code them as **TR / perf. level** (report all items and scores);

August 26, 2011 All students in the grade 9 view have rptgrade=09.

August 29, 2011 Performance level distribution for grade student reports include only Alt and first time test takers. Students with stugrade 9 or below are included.

For ELA and Math: first time test takers with stugrade ne 10 and non10status ne ‘2’ are reported as follows:

Blank perf2, blank cpi, blank numin and blank assess. Keep the scaled scores (for MCAS)

## Appendix A

Single-School Districts list (provided by the ESE)

discode	District	schcode	School
0028	Berlin	00280005	Berlin Memorial
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

<b>discode</b>	<b>District</b>	<b>schcode</b>	<b>School</b>
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
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	04140305	Berkshire Arts and Technology

<b>discode</b>	<b>District</b>	<b>schcode</b>	<b>School</b>
	Charter (District)		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 (District)	04380505	Codman Academy Charter Public 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

<b>discode</b>	<b>District</b>	<b>schcode</b>	<b>School</b>
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
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	04880550	South Shore Charter Public School

<b>discode</b>	<b>District</b>	<b>schcode</b>	<b>School</b>
	(District)		
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
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

<b>discode</b>	<b>District</b>	<b>schcode</b>	<b>School</b>
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
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