**SMARTERAPP SPECIFICATION**

**for**

**SCORING TEST PACKAGE FORMAT**

Authored by

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**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
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# Purpose

The purpose of this document is to provide a format specification describing the Scoring Test Package for the Test Delivery System (TDS). This package defines the scoring rules and performance levels for a test and is used within the Test Integration System (TIS).

# Package Usage

Test Integration System

**The *tp.spLoader\_Main* stored procedure located in the *OSS\_Itembank* database on the TIS SQL Server instance is used to load this test into TIS in order to allow scoring of the test.**

# Test Package Data Format Conventions

Table 1 provides information regarding the XML test package format, such as the allowable values, sizes, and descriptions, as well as any standards alignment. Also included in this document are a sample XML test package. The fields in Table 1 below follow these conventions:

* **Case sensitivity**: Field names are case sensitive and follow the guideline that the XML *Node/Element* and node *attributes* are in lowercase.
* **Order sensitivity**: Fields are not order-sensitive.
* **Non-required (optional) fields**: By default, these fields do not need to be included in the XML file. A missing optional field is simply treated as not present or not applicable.

# Scoring Test Package Format Specification

| **Category / Node (XML Element)** | **Field Name (attribute)** | **XML Hierarchy** | **Width (chars)** | **Required** | **Data Element Description** | **Accepable Values** | **Data Type** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| testspecification |  | testspecification |  |  |  |  |  |
|  | purpose |  | 100 | Always | Defines the purpose of this test package which can be administration, registration, scoring and reporting. | scoring | xsd:token |
|  | publisher |  | 255 | Always | The publisher of this package | One or more printable ASCII characters | xsd:token |
|  | publishdate |  | 30 | Always | The date this package was published | String representation of a date and time. For example: Aug 19 2015 3:43PM | xsd:dateTime |
|  | version |  | 10 | Always | The version of this test specification | Decimal | xsd:decimal |
| identifier |  | testspecification:identifier |  |  |  |  |  |
|  | uniqueid |  | 250 | Always | Uniquely identifies the test | One or more printable ASCII characters | xsd:token |
|  | name |  | 200 | Always | More readable test name | One or more printable ASCII characters | xsd:token |
|  | label |  | 200 | Always | Displayed test name | One or more printable ASCII characters | xsd:token |
|  | version |  | 10 | Always | Test version | Integer | xsd:integer |
| property |  | testspecification:property |  |  | Multiple test properties |  |  |
|  | name |  | 200 | Always | Defines a property for this test. This is where the grade, subject and test type are defined. | One or more printable ASCII characters  Required properties include: grade, subject, type | xsd.token |
|  | value |  | 200 | Always | The value for this property | One or more printable ASCII characters | xsd:token |
|  | label |  | 200 | Always | The display label for this property | One or more printable ASCII characters | xsd:token |
| scoring |  | testspecification:scoring |  |  |  |  |  |
| testblueprint |  | testspecification:scoring:testblueprint |  |  |  |  |  |
| bplement |  | testspecification:scoring:testblueprint:bplement |  |  |  |  |  |
|  | elementtype |  | 100 | Always | The type of blueprint element. | test, segment, strand, contentlevel | xsd:token |
|  | parented |  | 150 | Optional | Defines this blueprint element as a child of a parent element.  References testspecification:scoring:testblueprint:bpelement:identifier[@uniqueid] | One or more printable ASCII characters | xsd:token |
|  | minopitems |  | 4 | Always | Minimum number of operational items the adaptive algorithm will include. | 0 <= Integer <= maxopitems  NOTE: All child element values must work with the parent values. Meaning if the child elements each have a minimum value of 2, then the parent element must have a maximum value >= 4 in order to satisfy all conditions. | xsd:integer |
|  | maxopitems |  | 4 | Always | Maximum number of operational items the adaptive algorihm will include. | 1 <= Integer >= minopitems  NOTE: All child element values must work with the parent values. Meaning if the child elements each have a minimum value of 2, then the parent element must have a maximum value >= 4 in order to satisfy all conditions. | xsd:ineger |
|  | minftitems |  | 4 | Optional | Minimum number of field test items the adaptive algorithm will include. Defaults to 0 if not provided. | 0 <= Integer <= maxftitems  NOTE: All child element values must work with the parent values. Meaning if the child elements each have a minimum value of 2, then the parent element must have a maximum value >= 4 in order to satisfy all conditions. | xsd:integer |
|  | maxftitems |  | 4 | Optional | Maximum number of field test items the adaptive algorithm will include. Defaults to 0 if not provided. | 0 <= Integer >= minftitems  NOTE: All child element values must work with the parent values. Meaning if the child elements each have a minimum value of 2, then the parent element must have a maximum value >= 4 in order to satisfy all conditions. | xsd:integer |
|  | opitemcount |  | 4 | Always | The number of operational items that belong to this group (strand or content level). | Integer > 0 | xsd:integer |
|  | ftitemcount |  | 4 | Always | The number of filed test items that belong to this group (strand or content level). | Integer > 0 | xsd:integer |
| identifier |  | testspecification:scoring:testblueprint:bplement:identifier |  | Always |  |  |  |
|  | uniqueid |  | 250 | Always | Uniquely identifies the blueprint element | One or more printable ASCII characters | xsd:token |
|  | name |  | 255 | Always | Name of the blueprint element | One or more printable ASCII characters | xsd:token |
|  | version |  | 10 | Always | Version of the blueprint element | Integer | xsd:integer |
| itempool |  | testspecification:scoring:itempool |  | Always |  |  |  |
| passage |  | testspecification:scoring:itempool:passage |  | Optional |  |  |  |
|  | filename |  | 50 | Always | References an XML file in the stimulus directory | One or more printable ASCII characters | xsd:token |
| identifier |  | testspecification:scoring:itempool:passage:identifier |  | Required when passage parent is provided |  |  |  |
|  | uniqueid |  | 150 | Always | Uniquely identifies the passage | One or more printable ASCII characters | xsd:token |
|  | version |  | 10 | Always |  | Integer | xsd:integer |
| testitem |  | testspecification:scoring:itempool:testitem |  | Always |  |  |  |
|  | filename |  | 200 | Always | References an XML file in the items directory. The path is determined by the identifier uniqueid and the filename | One or more printable ASCII characters | xsd:token |
|  | itemtype |  | 50 | Always | The item type code | ESBR, ER, EQ, GI, HTQ, MI, MS, NL, SA, TI, WER | xsd:token |
| identifier |  | testspecification:scoring:itempool:testitem:identifier |  | Always |  |  |  |
|  | uniqueid |  | 150 | Always | Uniquely identifies the test item | One or more printable ASCII characters  Examples include 187-1576, 187-1578, etc. | xsd:token |
|  | name |  | 80 | Optional | Name of the test item | One or more printable ASCII characters | xsd:token |
|  | version |  | 10 | Always | Test item version | Integer | xsd:integer |
| bpref |  | testspecification:scoring:itempool:testitem:bpref | 100 | Always | Multipl blueprint reference. Refers to testspecification:scoring:testblueprint:bpelement:identifier[@uniqueid] | One or more printable ASCII characters | xsd:token |
| passageref |  | testspecification:scoring:itempool:testitem:passageref | 150 | Optional | Passage reference. Refers to testspecification:scoring:itempool:passage:identifier[@uniqueid] | One or more printable ASCII characters | xsd:token |
| poolproperty |  | testspecification:scoring:itempool:testitem:poolproperty |  |  |  |  |  |
|  | property |  | 50 | Always | Refers to testspecification:administration:poolproperty[@property] | One or more printable ASCII characters | xsd:token |
|  | value |  | 128 | Always | Refers to testspecification:administration:poolproperty[@value] | One or more printable ASCII characters | xsd:token |
|  | label |  | 150 | Always | Refers to testspecification:administration:poolproperty[@label] | One or more printable ASCII characters | xsd:token |
| itemscoredimension |  | testspecification:scoring:itempool:testitem:itemscoredimension |  |  | Scoring information for this particular item |  |  |
|  | measurementmodel |  | 100 | Always | The type of measurement model to use. | IRT3PLn, IRT3pl, IRTPCL, IRTGPC | xsd:token |
|  | scorepoints |  | 10 | Always | Scoring points for this scoring dimension | Integer >= 0 | xsd:integer |
|  | weight |  | 30 | Always | Weight applied for this scoring dimension | Float | xsd:float |
|  | dimension |  | 200 | Optional |  | One or more printable ASCII characters | xsd:token |
| itemscoreparameter |  | testspecification:scoring:itempool:testitem:itemscoredimension:itemscoreparameter |  |  |  |  |  |
|  | measurementparameter |  | 50 | Always | Defines which parameter this value will be used for. | a, b, c, b0, b1 | xsd:token |
|  | value |  | 30 | Always | Paramter value used in the scoring model | Float | xsd:float |
| testform |  | testspecification:scoring:testform |  | Required when fixedform |  |  |  |
|  | length |  |  | Always | Number of items in this test form | Integer >= 1 | xsd:integer |
| identifier |  | testspecification:scoring:testform:identifier |  | Always |  |  |  |
|  | uniqueid |  | 200 | Always | Uniquely identifies the test form | One or more printable ASCII characters | xsd:token |
|  | name |  | 200 | Always | Name of the test form | One or more printable ASCII characters | xsd:token |
|  | version |  | 10 | Always | Version of the test form | Integer | xsd:integer |
| property |  | testspecification:scoring:testform:property |  | Optional | Multiple test form related properties |  |  |
|  | name |  | 200 | Always | Test form property name | One or more printable ASCII characters | xsd:token |
|  | value |  | 200 | Always | Value for the test form property | One or more printable ASCII characters | xsd:token |
|  | label |  | 200 | Always | Display label for this type of property | One or more printable ASCII characters | xsd:token |
| poolproperty |  | testspecification:scoring:testform:poolproperty |  | Optional | Multiple test form related pool properties |  |  |
|  | property |  | 200 | Always | Refers to testspecification:administration:poolproperty[@property] | One or more printable ASCII characters | xsd:token |
|  | value |  | 200 | Always | Refers to testspecification:administration:poolproperty[@value] | One or more printable ASCII characters | xsd:token |
|  | label |  | 200 | Always | Refers to testspecification:administration:poolproperty[@label] | One or more printable ASCII characters | xsd:token |
| formpartition |  | testspecification:scoring:testform:formpartition |  |  | Each testform has at least one formpartition, one of r each fixed format segment. |  |  |
| identifier |  | testspecification:scoring:testform:formpartition:identifier |  |  |  |  |  |
|  | uniqueid |  | 200 | Always | Form partition identifier | One or more printable ASCII characters | xsd:token |
|  | name |  | 250 | Always | Name of the form partition | One or more printable ASCII characters | xsd:token |
|  | version |  | 10 | Always | Version of the form partition | Integer | xsd:integer |
| itemgroup |  | testspecification:scoring:testform:formpartition:itemgroup |  |  |  |  |  |
|  | formposition |  | 10 | Always | Used for ordering the item group within this form partition | Integer >= 1 | xsd:integer |
|  | maxitems |  | 10 | Always | Maximum number of items in this form partition | Integer >= 1 or "ALL" | xsd:token |
|  | maxresponses |  | 10 | Always | Maximum responses for this form partition | Integer >= 1 or "ALL" | xsd:token |
| identifier |  | testspecification:scoring:testform:formpartition:itemgroup:identifier |  |  |  |  |  |
|  | uniqueid |  | 200 | Always | Uniquely identifies this form partition | One or more printable ASCII characters | xsd:token |
|  | name |  | 200 | Always | Name of this form partition | One or more printable ASCII characters | xsd:token |
|  | version |  | 10 | Always | Version of this form partition | Integer | xsd:integer |
| passageref |  | testspecification:scoring:testform:formpartition:itemgroup:passageref | 100 | Optional | Passage reference. Refers to testspecification:scoring:itempool:passage:identifier[@uniqueid] | One or more printable ASCII characters | xsd:token |
| groupitem |  | testspecification:scoring:testform:formpartition:itemgroup:groupitem |  |  |  |  |  |
|  | itemid |  | 150 | Always | Item reference. Refers to testspecification:scoring:itempool:testitem:identifier[@uniqueid] | One or more printable ASCII characters | xsd:token |
|  | formposition |  | 10 | Optional | The order of this item within the form partition. | Integer >= 1 | xsd:integer |
|  | groupposition |  | 10 | Always | The order of this item within the item group. | Integer >= 1 | xsd:integer |
|  | adminrequired |  | 5 | Always |  | true, false | xsd:token |
|  | responserequired |  | 5 | Always | Determines if the item is required | true, false | xsd:boolean |
|  | isactive |  | 5 | Always | Determines if the item is used | true, false | xsd:boolean |
|  | isfieldtest |  | 5 | Always | Determines if the item is considered a field test item | true, false | xsd:boolean |
|  | blockid |  | 10 | Always | Used to group items into blocks for the field test selection algorithm. Note that the Test Authoring assigns "A" for all items. | One or more printable ASCII characters  A, B, etc. | xsd:token |
| performancelevels |  | testspecification:scoring:performancelevels |  | Always | Sets the performance level groups. Contains multiple performancelevel elements |  |  |
| performancelevel |  | testspecification:scoring:performancelevels:performancelevel |  | Always |  |  |  |
|  | bpelementid |  | 150 | Always | Blueprint reference. Refers to testspecification:scoring:testblueprint:bpelement:identifier[@uniqueid] | One or more printable ASCII characters |  |
|  | plevel |  | 10 | Always |  | Integer >= 1 | xsd:integer |
|  | scaledlo |  | 30 | Always | Low score to include in this performance level | Float | xsd:float |
|  | scaledhi |  | 30 | Always | High score to include in this performance level | Float | xsd:float |
| scoringrules |  | testspecification:scoring:scoringrules |  | Always | Defines the scoring rules and computations that will be used. Contains multiple computationrule elements |  |  |
| computationrule |  | testspecification:scoring:scoringrules:computationrule |  |  | Type of computation to perform when scoring the test. |  |  |
|  | computationorder |  | 10 | Always | The order that the computations are processed. | Integer, X >= 1 | xsd:integer |
|  | bpelementid |  | 150 | Always | Blueprint reference. Refers to testspecification:scoring:testblueprint:bpelement:identifier[@uniqueid] | One or more printable ASCII characters | xsd:token |
| identifier |  | testspecification:scoring:scoringrules:computationrule:identifier |  |  |  |  |  |
|  | uniqueid |  | 250 | Always | Uniquely identifies this rule | One or more printable ASCII characters  Unique value commonly a GUID |  |
|  | name |  | 200 | Always | The code that corresponds to the type of rule | ItemCount, ItemCountScored, MultipleStrandItemCount, MultipleStrandItemCountScored, MultiStrandRawScore, RawScore, SBACAccommodationUseCodes, SBACAttemptedness, SBACMultiSegmentTheta, SBACMultiStrandTheta, SBACNumBlocks, SBACNumBlocksProficient, SBACTheta, ScaleScore, SEBasedPerformanceIndicator, SEBasedPLWithRounding, TestPerformanceLevel, SBACCATMultiStrandTheta, SBACCATTheta |  |
|  | label |  | 200 | Always | Display label for the specific rule type | One or more printable ASCII characters  For example, ThetaScore, ItemCountScored |  |
|  | version |  | 10 | Always | Version number | Float | xsd:float |
| computationruleparameter |  | testspecification:scoring:scoringrules:computationrule:computationruleparameter |  |  |  |  |  |
|  | position |  | 10 | Always | Order of this parameter within scoring method signature | Integer >= 1 | xsd:integer |
|  | parametertype |  | 16 | Always | Defines the parameter variable type | int, double, string | xsd:token |
| identifier |  | testspecification:scoring:scoringrules:computationrule:computationruleparameter:identifier |  |  |  |  |  |
|  | uniqueid |  | 250 | Always | Uniquely identifies this rule parameter | One or more printable ASCII characters  Unique value, GUID is commonly used | xsd:token |
|  | name |  | 128 | Always | Parameter name | One or more printable ASCII characters | xsd:token |
|  | version |  | 30 | Always | Version number | Float | xsd:float |
| property |  |  |  | Optional |  |  |  |
|  | name |  | 200 | Always | If indextype is provided, then the paramter is a Dictionary and each parameter value must define the index attribute. | indextype | xsd:token |
|  | value |  | 200 | Always |  | int, double, string | xsd:token |
| computationruleparametervalue |  | testspecification:scoring:scoringrules:computationrule:computationruleparameter:computationruleparametervalue |  |  |  |  |  |
|  | index |  | 10 | Required when an indextype property is provided |  | The value, if provided, must match the type defined in the indextype property value attribute. | xsd:integer |
|  | value |  | 255 |  | The type must match what is defined in testspecification:scoring:scoringrules:computationrule:computationruleparameter[@parametertype] | One or more printable ASCII characters | xsd:token |

# Computation Rule Definitions

Each computation rule requires different parameters based on the rule type. The table below defines the parameters that are required in order to properly define the various types of rules allowed.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Rule Name** | **Label** | **Parameter Position** | **Parameter Type** | **Parameter Name** | **Parameter Index Type** |
| ItemCount | ItemCount |  |  |  |  |
| ItemCountScored | ItemCountScored |  |  |  |  |
| MultipleStrandItemCount | ItemCount | 1 | string | strands | int |
| MultipleStrandItemCountScored | ItemCountScored | 1 | string | subscales | int |
| MultiStrandRawScore | RawScore | 1 | string | strands | int |
| RawScore | RawScore |  |  |  |  |
| SBACAttemptedness | Attempted | 1 | int | testPart | string |
| SBACBlockAttemptedness | Attempted | 1 | int | segments | string |
| SBACCATMultiStrandTheta | ThetaScore | 1 | double | LOT |  |
|  |  | 2 | double | HOT |  |
|  |  | 3 | double | seLimit |  |
|  |  | 4 | string | strands | int |
|  |  | 5 | double | averageA |  |
|  |  | 6 | double | average |  |
| SBACCATTheta | ThetaScore | 1 | double | LOT |  |
|  |  | 2 | double | HOT |  |
|  |  | 3 | double | seLimit |  |
|  |  | 4 | double | averageA |  |
|  |  | 5 | double | average |  |
| SBACIABAttemptedness | Attempted |  |  |  |  |
| SBACMultiSegmentTheta | ThetaScore | 1 | double | LOT |  |
|  |  | 2 | double | HOT |  |
|  |  | 3 | double | seLimit |  |
|  |  | 4 | int | segments | string |
| SBACNumBlocks | NumBlocks | 1 | string | blocks | int |
| SBACNumBlocksProficient | NumBlocks | 1 | string | blocks | int |
| ScaleScore | ScaleScore |  |  |  |  |
| SEBasedPerformanceIndicator | PerformanceLevel | 1 | double | seMultiple |  |
| SEBasedPerformanceIndicator |  | 2 | int | proficientPerformanceLevel |  |
| SEBasedPLWithRounding | PerformanceLevel | 1 | double | seMultiple |  |
|  |  | 2 | int | proficientPerformanceLevel |  |
|  |  | 3 | double | LOT |  |
|  |  | 4 | double | HOT |  |
| TestPerformanceLevel | PerformanceLevel |  |  |  |  |

# Sample XML Output

Multiple examples can be found in th Implementation Readiness Package (IRP) found here: <ftp://ftps.smarterbalanced.org/~sbacpublic/Public/ImplementationReadiness/2016.02.24.IrpTestPackageAndContent.zip>. The registration packages are located in the */Test Packages/TIS/Scoring* directory.

Below is the Math 3 Combined Test Scoring Package from the IRP:

<testspecification purpose="scoring" publisher="SBAC\_PT" publishdate="Aug 19 2015 4:37PM" version="1.0">

<identifier uniqueid="(SBAC\_PT)SBAC-IRP-MATH-3-COMBINED-Summer-2015-2016" name="SBAC-IRP-MATH-3-COMBINED" label="Grade 3 MATH" version="8175" />

<property name="subject" value="MATH" label="MATH" />

<property name="grade" value="3" label="grade 3" />

<property name="type" value="summative" label="summative" />

<scoring>

<testblueprint>

<bpelement elementtype="test" minopitems="12" maxopitems="12" minftitems="0" maxftitems="0" opitemcount="21" ftitemcount="0">

<identifier uniqueid="(SBAC\_PT)SBAC-IRP-MATH-3-COMBINED-Summer-2015-2016" name="SBAC-IRP-MATH-3-COMBINED" version="8175" />

</bpelement>

<bpelement elementtype="segment" minopitems="8" maxopitems="8" minftitems="0" maxftitems="0" opitemcount="17" ftitemcount="0">

<identifier uniqueid="(SBAC\_PT)SBAC-IRP-CAT-COMBINED-MATH-3-Summer-2015-2016" name="SBAC-IRP-CAT-COMBINED-MATH-3" version="8175" />

</bpelement>

<bpelement elementtype="segment" minopitems="4" maxopitems="4" minftitems="0" maxftitems="0" opitemcount="4" ftitemcount="0">

<identifier uniqueid="(SBAC\_PT)SBAC-IRP-Perf-COMBINED-MATH-3-Summer-2015-2016" name="SBAC-IRP-Perf-COMBINED-MATH-3" version="8175" />

</bpelement>

<bpelement elementtype="affinitygroup" minopitems="2" maxopitems="2" opitemcount="2" ftitemcount="0">

<identifier uniqueid="G3Math\_Claim1\_MC/MS" name="G3Math\_Claim1\_MC/MS" version="8175" />

</bpelement>

<bpelement elementtype="affinitygroup" minopitems="2" maxopitems="2" opitemcount="4" ftitemcount="0">

<identifier uniqueid="G3Math\_Claim2/4" name="G3Math\_Claim2/4" version="8175" />

</bpelement>

<bpelement elementtype="affinitygroup" minopitems="2" maxopitems="8" opitemcount="9" ftitemcount="0">

<identifier uniqueid="G3Math\_DOK2" name="G3Math\_DOK2" version="8175" />

</bpelement>

<bpelement elementtype="strand" minopitems="4" maxopitems="7" opitemcount="9" ftitemcount="0">

<identifier uniqueid="SBAC\_PT-1" name="1" version="8175" />

</bpelement>

<bpelement elementtype="contentlevel" parentid="SBAC\_PT-1" minopitems="0" maxopitems="14" opitemcount="4" ftitemcount="0">

<identifier uniqueid="SBAC\_PT-1|MD" name="1|MD" version="8175" />

</bpelement>

<bpelement elementtype="contentlevel" parentid="SBAC\_PT-1|MD" minopitems="0" maxopitems="8" opitemcount="1" ftitemcount="0">

<identifier uniqueid="SBAC\_PT-1|MD|G-3" name="1|MD|G-3" version="8175" />

</bpelement>

<bpelement elementtype="contentlevel" parentid="SBAC\_PT-1|MD|G-3" minopitems="0" maxopitems="8" opitemcount="1" ftitemcount="0">

<identifier uniqueid="SBAC\_PT-1|MD|G-3|m" name="1|MD|G-3|m" version="8175" />

</bpelement>

<bpelement elementtype="contentlevel" parentid="SBAC\_PT-1|MD|G-3|m" minopitems="0" maxopitems="8" opitemcount="1" ftitemcount="0">

<identifier uniqueid="SBAC\_PT-1|MD|G-3|m|3.MD.2" name="1|MD|G-3|m|3.MD.2" version="8175" />

</bpelement>

<bpelement elementtype="contentlevel" parentid="SBAC\_PT-1|MD" minopitems="0" maxopitems="8" opitemcount="1" ftitemcount="0">

<identifier uniqueid="SBAC\_PT-1|MD|H-3" name="1|MD|H-3" version="8175" />

</bpelement>

<bpelement elementtype="contentlevel" parentid="SBAC\_PT-1|MD|H-3" minopitems="0" maxopitems="8" opitemcount="1" ftitemcount="0">

<identifier uniqueid="SBAC\_PT-1|MD|H-3|a/s" name="1|MD|H-3|a/s" version="8175" />

</bpelement>

<bpelement elementtype="contentlevel" parentid="SBAC\_PT-1|MD|H-3|a/s" minopitems="0" maxopitems="8" opitemcount="1" ftitemcount="0">

<identifier uniqueid="SBAC\_PT-1|MD|H-3|a/s|3.MD.3" name="1|MD|H-3|a/s|3.MD.3" version="8175" />

</bpelement>

<bpelement elementtype="contentlevel" parentid="SBAC\_PT-1|MD" minopitems="0" maxopitems="8" opitemcount="1" ftitemcount="0">

<identifier uniqueid="SBAC\_PT-1|MD|I-3" name="1|MD|I-3" version="8175" />

</bpelement>

<bpelement elementtype="contentlevel" parentid="SBAC\_PT-1|MD|I-3" minopitems="0" maxopitems="8" opitemcount="1" ftitemcount="0">

<identifier uniqueid="SBAC\_PT-1|MD|I-3|m" name="1|MD|I-3|m" version="8175" />

</bpelement>

<bpelement elementtype="contentlevel" parentid="SBAC\_PT-1|MD|I-3|m" minopitems="0" maxopitems="8" opitemcount="1" ftitemcount="0">

<identifier uniqueid="SBAC\_PT-1|MD|I-3|m|3.MD.7d" name="1|MD|I-3|m|3.MD.7d" version="8175" />

</bpelement>

<bpelement elementtype="contentlevel" parentid="SBAC\_PT-1|MD" minopitems="0" maxopitems="8" opitemcount="1" ftitemcount="0">

<identifier uniqueid="SBAC\_PT-1|MD|J-3" name="1|MD|J-3" version="8175" />

</bpelement>

<bpelement elementtype="contentlevel" parentid="SBAC\_PT-1|MD|J-3" minopitems="0" maxopitems="8" opitemcount="1" ftitemcount="0">

<identifier uniqueid="SBAC\_PT-1|MD|J-3|a/s" name="1|MD|J-3|a/s" version="8175" />

</bpelement>

<bpelement elementtype="contentlevel" parentid="SBAC\_PT-1|MD|J-3|a/s" minopitems="0" maxopitems="8" opitemcount="1" ftitemcount="0">

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<identifier uniqueid="SBAC\_PT-3|OA" name="3|OA" version="8175" />

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<identifier uniqueid="SBAC\_PT-3|OA|D" name="3|OA|D" version="8175" />

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<bpelement elementtype="contentlevel" parentid="SBAC\_PT-3|OA|D" minopitems="0" maxopitems="8" opitemcount="1" ftitemcount="0">

<identifier uniqueid="SBAC\_PT-3|OA|D|NA" name="3|OA|D|NA" version="8175" />

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<identifier uniqueid="SBAC\_PT-3|OA|D|NA|NA" name="3|OA|D|NA|NA" version="8175" />

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<identifier uniqueid="SBAC\_PT-4" name="4" version="8175" />

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<bpelement elementtype="contentlevel" parentid="SBAC\_PT-4" minopitems="0" maxopitems="8" opitemcount="2" ftitemcount="0">

<identifier uniqueid="SBAC\_PT-4|MD" name="4|MD" version="8175" />

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<bpelement elementtype="contentlevel" parentid="SBAC\_PT-4|MD" minopitems="0" maxopitems="8" opitemcount="1" ftitemcount="0">

<identifier uniqueid="SBAC\_PT-4|MD|A" name="4|MD|A" version="8175" />

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<identifier uniqueid="SBAC\_PT-4|MD|C|NA" name="4|MD|C|NA" version="8175" />

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<identifier uniqueid="SBAC\_PT-4|MD|C|NA|NA" name="4|MD|C|NA|NA" version="8175" />

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<identifier uniqueid="SBAC\_PT-4|OA" name="4|OA" version="8175" />

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<identifier uniqueid="SBAC\_PT-4|OA|E|NA|NA" name="4|OA|E|NA|NA" version="8175" />

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</testblueprint>

<itempool>

<passage filename="stim-187-3700.xml">

<identifier uniqueid="187-3700" version="8175" />

</passage>

<testitem filename="item-187-1576.xml" itemtype="EQ">

<identifier uniqueid="187-1576" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-Perf-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>SBAC\_PT-2</bpref>

<bpref>SBAC\_PT-2|MD</bpref>

<bpref>SBAC\_PT-2|MD|A</bpref>

<passageref>187-3700</passageref>

<poolproperty property="--ITEMTYPE--" value="EQ" label="EQ" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRT3PLn" scorepoints="1" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="1.426470000000000e+000" />

<itemscoreparameter measurementparameter="b" value="-1.896590000000000e+000" />

<itemscoreparameter measurementparameter="c" value="0.000000000000000e+000" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-1578.xml" itemtype="GI">

<identifier uniqueid="187-1578" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-Perf-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>SBAC\_PT-4</bpref>

<bpref>SBAC\_PT-4|MD</bpref>

<bpref>SBAC\_PT-4|MD|A</bpref>

<passageref>187-3700</passageref>

<poolproperty property="--ITEMTYPE--" value="GI" label="GI" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRTGPC" scorepoints="2" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="5.880000000000000e-001" />

<itemscoreparameter measurementparameter="b0" value="-8.878600000000000e-001" />

<itemscoreparameter measurementparameter="b1" value="-1.533600000000000e-001" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-1793.xml" itemtype="MI">

<identifier uniqueid="187-1793" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-CAT-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>SBAC\_PT-1</bpref>

<bpref>SBAC\_PT-1|OA</bpref>

<bpref>SBAC\_PT-1|OA|C-3</bpref>

<bpref>SBAC\_PT-1|OA|C-3|m</bpref>

<bpref>SBAC\_PT-1|OA|C-3|m|3.OA.7</bpref>

<poolproperty property="--ITEMTYPE--" value="MI" label="MI" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRT3PLn" scorepoints="1" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="1.000000000000000e+000" />

<itemscoreparameter measurementparameter="b" value="1.000000000000000e-015" />

<itemscoreparameter measurementparameter="c" value="0.000000000000000e+000" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-1966.xml" itemtype="GI">

<identifier uniqueid="187-1966" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-CAT-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>SBAC\_PT-3</bpref>

<bpref>SBAC\_PT-3|G</bpref>

<bpref>SBAC\_PT-3|G|F</bpref>

<bpref>SBAC\_PT-3|G|F|NA</bpref>

<bpref>SBAC\_PT-3|G|F|NA|NA</bpref>

<poolproperty property="--ITEMTYPE--" value="GI" label="GI" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRT3PLn" scorepoints="1" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="1.000000000000000e+000" />

<itemscoreparameter measurementparameter="b" value="1.000000000000000e-015" />

<itemscoreparameter measurementparameter="c" value="0.000000000000000e+000" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-1972.xml" itemtype="GI">

<identifier uniqueid="187-1972" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-CAT-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>G3Math\_DOK2</bpref>

<bpref>SBAC\_PT-1</bpref>

<bpref>SBAC\_PT-1|NF</bpref>

<bpref>SBAC\_PT-1|NF|F-3</bpref>

<bpref>SBAC\_PT-1|NF|F-3|m</bpref>

<bpref>SBAC\_PT-1|NF|F-3|m|3.NF.3c</bpref>

<poolproperty property="--ITEMTYPE--" value="GI" label="GI" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRT3PLn" scorepoints="1" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="5.505700000000000e-001" />

<itemscoreparameter measurementparameter="b" value="5.695100000000000e-001" />

<itemscoreparameter measurementparameter="c" value="0.000000000000000e+000" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-1973.xml" itemtype="MC">

<identifier uniqueid="187-1973" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-CAT-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>G3Math\_Claim1\_MC/MS</bpref>

<bpref>SBAC\_PT-1</bpref>

<bpref>SBAC\_PT-1|OA</bpref>

<bpref>SBAC\_PT-1|OA|A-3</bpref>

<bpref>SBAC\_PT-1|OA|A-3|m</bpref>

<bpref>SBAC\_PT-1|OA|A-3|m|3.OA.3</bpref>

<poolproperty property="--ITEMTYPE--" value="MC" label="MC" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRT3PLn" scorepoints="1" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="1.000000000000000e+000" />

<itemscoreparameter measurementparameter="b" value="1.000000000000000e-015" />

<itemscoreparameter measurementparameter="c" value="0.000000000000000e+000" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-1975.xml" itemtype="EQ">

<identifier uniqueid="187-1975" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-CAT-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>SBAC\_PT-1</bpref>

<bpref>SBAC\_PT-1|NBT</bpref>

<bpref>SBAC\_PT-1|NBT|E-3</bpref>

<bpref>SBAC\_PT-1|NBT|E-3|a/s</bpref>

<bpref>SBAC\_PT-1|NBT|E-3|a/s|3.NBT.2</bpref>

<poolproperty property="--ITEMTYPE--" value="EQ" label="EQ" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRT3PLn" scorepoints="1" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="5.812100000000000e-001" />

<itemscoreparameter measurementparameter="b" value="1.290840000000000e+000" />

<itemscoreparameter measurementparameter="c" value="0.000000000000000e+000" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-1976.xml" itemtype="EQ">

<identifier uniqueid="187-1976" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-CAT-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>G3Math\_DOK2</bpref>

<bpref>SBAC\_PT-1</bpref>

<bpref>SBAC\_PT-1|MD</bpref>

<bpref>SBAC\_PT-1|MD|H-3</bpref>

<bpref>SBAC\_PT-1|MD|H-3|a/s</bpref>

<bpref>SBAC\_PT-1|MD|H-3|a/s|3.MD.3</bpref>

<poolproperty property="--ITEMTYPE--" value="EQ" label="EQ" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRT3PLn" scorepoints="1" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="5.300400000000000e-001" />

<itemscoreparameter measurementparameter="b" value="-1.108910000000000e+000" />

<itemscoreparameter measurementparameter="c" value="0.000000000000000e+000" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-1978.xml" itemtype="EQ">

<identifier uniqueid="187-1978" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-CAT-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>G3Math\_Claim2/4</bpref>

<bpref>G3Math\_DOK2</bpref>

<bpref>SBAC\_PT-4</bpref>

<bpref>SBAC\_PT-4|OA</bpref>

<bpref>SBAC\_PT-4|OA|E</bpref>

<bpref>SBAC\_PT-4|OA|E|NA</bpref>

<bpref>SBAC\_PT-4|OA|E|NA|NA</bpref>

<poolproperty property="--ITEMTYPE--" value="EQ" label="EQ" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRT3PLn" scorepoints="1" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="1.000000000000000e+000" />

<itemscoreparameter measurementparameter="b" value="1.000000000000000e-015" />

<itemscoreparameter measurementparameter="c" value="0.000000000000000e+000" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-1979.xml" itemtype="GI">

<identifier uniqueid="187-1979" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-CAT-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>G3Math\_DOK2</bpref>

<bpref>SBAC\_PT-3</bpref>

<bpref>SBAC\_PT-3|NF</bpref>

<bpref>SBAC\_PT-3|NF|A</bpref>

<bpref>SBAC\_PT-3|NF|A|NA</bpref>

<bpref>SBAC\_PT-3|NF|A|NA|NA</bpref>

<poolproperty property="--ITEMTYPE--" value="GI" label="GI" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRTGPC" scorepoints="2" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="1.000000000000000e+000" />

<itemscoreparameter measurementparameter="b0" value="1.000000000000000e-015" />

<itemscoreparameter measurementparameter="b1" value="1.000000000000000e-015" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-1986.xml" itemtype="EQ">

<identifier uniqueid="187-1986" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-CAT-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>G3Math\_DOK2</bpref>

<bpref>SBAC\_PT-1</bpref>

<bpref>SBAC\_PT-1|MD</bpref>

<bpref>SBAC\_PT-1|MD|G-3</bpref>

<bpref>SBAC\_PT-1|MD|G-3|m</bpref>

<bpref>SBAC\_PT-1|MD|G-3|m|3.MD.2</bpref>

<poolproperty property="--ITEMTYPE--" value="EQ" label="EQ" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRT3PLn" scorepoints="1" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="1.000000000000000e+000" />

<itemscoreparameter measurementparameter="b" value="1.000000000000000e-015" />

<itemscoreparameter measurementparameter="c" value="0.000000000000000e+000" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-1987.xml" itemtype="EQ">

<identifier uniqueid="187-1987" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-CAT-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>SBAC\_PT-1</bpref>

<bpref>SBAC\_PT-1|MD</bpref>

<bpref>SBAC\_PT-1|MD|J-3</bpref>

<bpref>SBAC\_PT-1|MD|J-3|a/s</bpref>

<bpref>SBAC\_PT-1|MD|J-3|a/s|3.MD.8</bpref>

<poolproperty property="--ITEMTYPE--" value="EQ" label="EQ" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRT3PLn" scorepoints="1" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="1.189700000000000e+000" />

<itemscoreparameter measurementparameter="b" value="1.946350000000000e+000" />

<itemscoreparameter measurementparameter="c" value="0.000000000000000e+000" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-1988.xml" itemtype="MI">

<identifier uniqueid="187-1988" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-CAT-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>G3Math\_DOK2</bpref>

<bpref>SBAC\_PT-3</bpref>

<bpref>SBAC\_PT-3|OA</bpref>

<bpref>SBAC\_PT-3|OA|D</bpref>

<bpref>SBAC\_PT-3|OA|D|NA</bpref>

<bpref>SBAC\_PT-3|OA|D|NA|NA</bpref>

<poolproperty property="--ITEMTYPE--" value="MI" label="MI" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRT3PLn" scorepoints="1" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="7.348800000000000e-001" />

<itemscoreparameter measurementparameter="b" value="-1.006060000000000e+000" />

<itemscoreparameter measurementparameter="c" value="0.000000000000000e+000" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-1991.xml" itemtype="EQ">

<identifier uniqueid="187-1991" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-CAT-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>G3Math\_DOK2</bpref>

<bpref>SBAC\_PT-1</bpref>

<bpref>SBAC\_PT-1|MD</bpref>

<bpref>SBAC\_PT-1|MD|I-3</bpref>

<bpref>SBAC\_PT-1|MD|I-3|m</bpref>

<bpref>SBAC\_PT-1|MD|I-3|m|3.MD.7d</bpref>

<poolproperty property="--ITEMTYPE--" value="EQ" label="EQ" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRT3PLn" scorepoints="1" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="8.254600000000000e-001" />

<itemscoreparameter measurementparameter="b" value="2.037520000000000e+000" />

<itemscoreparameter measurementparameter="c" value="0.000000000000000e+000" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-1996.xml" itemtype="EQ">

<identifier uniqueid="187-1996" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-CAT-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>G3Math\_Claim2/4</bpref>

<bpref>SBAC\_PT-4</bpref>

<bpref>SBAC\_PT-4|MD</bpref>

<bpref>SBAC\_PT-4|MD|C</bpref>

<bpref>SBAC\_PT-4|MD|C|NA</bpref>

<bpref>SBAC\_PT-4|MD|C|NA|NA</bpref>

<poolproperty property="--ITEMTYPE--" value="EQ" label="EQ" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRTGPC" scorepoints="2" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="7.955800000000000e-001" />

<itemscoreparameter measurementparameter="b0" value="-1.194170000000000e+000" />

<itemscoreparameter measurementparameter="b1" value="1.145090000000000e+000" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-2001.xml" itemtype="MC">

<identifier uniqueid="187-2001" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-CAT-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>G3Math\_DOK2</bpref>

<bpref>SBAC\_PT-3</bpref>

<bpref>SBAC\_PT-3|MD</bpref>

<bpref>SBAC\_PT-3|MD|C</bpref>

<bpref>SBAC\_PT-3|MD|C|NA</bpref>

<bpref>SBAC\_PT-3|MD|C|NA|NA</bpref>

<poolproperty property="--ITEMTYPE--" value="MC" label="MC" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRT3PLn" scorepoints="1" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="1.000000000000000e+000" />

<itemscoreparameter measurementparameter="b" value="1.000000000000000e-015" />

<itemscoreparameter measurementparameter="c" value="0.000000000000000e+000" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-2015.xml" itemtype="MS">

<identifier uniqueid="187-2015" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-CAT-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>G3Math\_Claim1\_MC/MS</bpref>

<bpref>SBAC\_PT-1</bpref>

<bpref>SBAC\_PT-1|NF</bpref>

<bpref>SBAC\_PT-1|NF|F-3</bpref>

<bpref>SBAC\_PT-1|NF|F-3|m</bpref>

<bpref>SBAC\_PT-1|NF|F-3|m|3.NF.3a</bpref>

<poolproperty property="--ITEMTYPE--" value="MS" label="MS" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRT3PLn" scorepoints="1" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="1.000000000000000e+000" />

<itemscoreparameter measurementparameter="b" value="1.000000000000000e-015" />

<itemscoreparameter measurementparameter="c" value="0.000000000000000e+000" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-2017.xml" itemtype="GI">

<identifier uniqueid="187-2017" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-CAT-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>G3Math\_Claim2/4</bpref>

<bpref>SBAC\_PT-4</bpref>

<bpref>SBAC\_PT-4|OA</bpref>

<bpref>SBAC\_PT-4|OA|D</bpref>

<bpref>SBAC\_PT-4|OA|D|NA</bpref>

<bpref>SBAC\_PT-4|OA|D|NA|NA</bpref>

<poolproperty property="--ITEMTYPE--" value="GI" label="GI" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRTGPC" scorepoints="2" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="3.962800000000000e-001" />

<itemscoreparameter measurementparameter="b0" value="-8.063200000000000e-001" />

<itemscoreparameter measurementparameter="b1" value="4.434380000000000e+000" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-2024.xml" itemtype="MC">

<identifier uniqueid="187-2024" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-CAT-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>G3Math\_Claim2/4</bpref>

<bpref>G3Math\_DOK2</bpref>

<bpref>SBAC\_PT-2</bpref>

<bpref>SBAC\_PT-2|MD</bpref>

<bpref>SBAC\_PT-2|MD|B</bpref>

<bpref>SBAC\_PT-2|MD|B|NA</bpref>

<bpref>SBAC\_PT-2|MD|B|NA|NA</bpref>

<poolproperty property="--ITEMTYPE--" value="MC" label="MC" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRT3PLn" scorepoints="1" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="1.000000000000000e+000" />

<itemscoreparameter measurementparameter="b" value="1.000000000000000e-015" />

<itemscoreparameter measurementparameter="c" value="0.000000000000000e+000" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-2788.xml" itemtype="TI">

<identifier uniqueid="187-2788" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-Perf-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>SBAC\_PT-2</bpref>

<bpref>SBAC\_PT-2|MD</bpref>

<bpref>SBAC\_PT-2|MD|A</bpref>

<passageref>187-3700</passageref>

<poolproperty property="--ITEMTYPE--" value="TI" label="TI" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRT3PLn" scorepoints="1" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="1.025780000000000e+000" />

<itemscoreparameter measurementparameter="b" value="-1.836230000000000e+000" />

<itemscoreparameter measurementparameter="c" value="0.000000000000000e+000" />

</itemscoredimension>

</testitem>

<testitem filename="item-187-2789.xml" itemtype="TI">

<identifier uniqueid="187-2789" version="8175" />

<bpref>(SBAC\_PT)SBAC-IRP-Perf-COMBINED-MATH-3-Summer-2015-2016</bpref>

<bpref>SBAC\_PT-3</bpref>

<bpref>SBAC\_PT-3|MD</bpref>

<bpref>SBAC\_PT-3|MD|A</bpref>

<passageref>187-3700</passageref>

<poolproperty property="--ITEMTYPE--" value="TI" label="TI" />

<poolproperty property="Language" value="ENU" label="English" />

<itemscoredimension measurementmodel="IRT3PLn" scorepoints="1" weight="1.000000000000000e+000">

<itemscoreparameter measurementparameter="a" value="4.239400000000000e-001" />

<itemscoreparameter measurementparameter="b" value="1.070860000000000e+000" />

<itemscoreparameter measurementparameter="c" value="0.000000000000000e+000" />

</itemscoredimension>

</testitem>

</itempool>

<testform length="4">

<identifier uniqueid="(SBAC\_PT)SBAC-IRP-MATH-3-COMBINED-Summer-2015-2016:Default-ENU" name="(SBAC\_PT)SBAC-IRP-MATH-3-COMBINED-Summer-2015-2016:Default-ENU" version="8175" />

<property name="language" value="ENU" label="English" />

<poolproperty property="--ITEMTYPE--" value="EQ" label="EQ" itemcount="1" />

<poolproperty property="--ITEMTYPE--" value="GI" label="GI" itemcount="1" />

<poolproperty property="--ITEMTYPE--" value="TI" label="TI" itemcount="2" />

<poolproperty property="Language" value="ENU" label="English" itemcount="4" />

<formpartition>

<identifier uniqueid="187-780" name="IRP::MathG3::Perf::SP15::COMBINED" version="8175" />

<itemgroup formposition="1" maxitems="ALL" maxresponses="ALL">

<identifier uniqueid="187-780:G-187-3700-2" name="187-780:G-187-3700-2" version="8175" />

<passageref>187-3700</passageref>

<groupitem itemid="187-2788" formposition="1" groupposition="1" adminrequired="false" responserequired="false" isactive="true" isfieldtest="false" blockid="A" />

<groupitem itemid="187-1576" formposition="2" groupposition="2" adminrequired="false" responserequired="false" isactive="true" isfieldtest="false" blockid="A" />

<groupitem itemid="187-2789" formposition="3" groupposition="3" adminrequired="false" responserequired="false" isactive="true" isfieldtest="false" blockid="A" />

<groupitem itemid="187-1578" formposition="4" groupposition="4" adminrequired="false" responserequired="false" isactive="true" isfieldtest="false" blockid="A" />

</itemgroup>

</formpartition>

</testform>

<performancelevels>

<performancelevel bpelementid="(SBAC\_PT)SBAC-IRP-MATH-3-COMBINED-Summer-2015-2016" plevel="1" scaledlo="2.189000000000000e+003" scaledhi="2.381000000000000e+003" />

<performancelevel bpelementid="(SBAC\_PT)SBAC-IRP-MATH-3-COMBINED-Summer-2015-2016" plevel="2" scaledlo="2.381000000000000e+003" scaledhi="2.436000000000000e+003" />

<performancelevel bpelementid="(SBAC\_PT)SBAC-IRP-MATH-3-COMBINED-Summer-2015-2016" plevel="3" scaledlo="2.436000000000000e+003" scaledhi="2.501000000000000e+003" />

<performancelevel bpelementid="(SBAC\_PT)SBAC-IRP-MATH-3-COMBINED-Summer-2015-2016" plevel="4" scaledlo="2.501000000000000e+003" scaledhi="2.621000000000000e+003" />

</performancelevels>

<scoringrules>

<computationrule computationorder="62" bpelementid="SBAC\_PT-3">

<identifier uniqueid="452E7802-61FD-4C82-A783-0B6400D937B8" name="SBACCATTheta" label="ThetaScore" version="1.0" />

<computationruleparameter position="1" parametertype="double">

<identifier uniqueid="686D3098-28B0-40A0-AC92-EB71DD389125" name="LOT" version="1.0" />

<computationruleparametervalue value="-4.1132" />

</computationruleparameter>

<computationruleparameter position="2" parametertype="double">

<identifier uniqueid="51FA9EDA-3EED-4A9C-9146-F7ACA82E61C0" name="HOT" version="1.0" />

<computationruleparametervalue value="1.3335" />

</computationruleparameter>

<computationruleparameter position="3" parametertype="double">

<identifier uniqueid="F52B7D21-3EB8-4E1D-BECB-A8798CFD7673" name="seLimit" version="1.0" />

<computationruleparametervalue value="2.5" />

</computationruleparameter>

<computationruleparameter position="4" parametertype="double">

<identifier uniqueid="0899CB7A-F48A-4979-A590-B2C45B982D2F" name="averageA" version="1.0" />

<computationruleparametervalue value="0.85" />

</computationruleparameter>

<computationruleparameter position="5" parametertype="double">

<identifier uniqueid="D29ABEA7-6298-46E7-9F40-7E69B434EC29" name="averageB" version="1.0" />

<computationruleparametervalue value="-0.81" />

</computationruleparameter>

</computationrule>

<computationrule computationorder="140" bpelementid="SBAC\_PT-1">

<identifier uniqueid="0BD23C28-4F93-4C5F-B38F-0BE368B40FBD" name="RawScore" label="RawScore" version="1.0" />

</computationrule>

<computationrule computationorder="141" bpelementid="SOCK\_2">

<identifier uniqueid="368DEE8B-B9B4-4D3E-8145-0CC5D67C0DD6" name="MultiStrandRawScore" label="RawScore" version="1.0" />

<computationruleparameter position="1" parametertype="string">

<identifier uniqueid="76E22FB0-379B-409C-AC58-BAF25E67CCCF" name="strands" version="1.0" />

<property name="indextype" value="int" />

<computationruleparametervalue index="1" value="2" />

<computationruleparametervalue index="2" value="4" />

</computationruleparameter>

</computationrule>

<computationrule computationorder="10" bpelementid="(SBAC\_PT)SBAC-IRP-MATH-3-COMBINED-Summer-2015-2016">

<identifier uniqueid="F47933EF-ACCE-4D6E-ADB5-0F351B25E7A7" name="SBACAttemptedness" label="Attempted" version="1.0" />

<computationruleparameter position="1" parametertype="int">

<identifier uniqueid="1511FAA2-FB95-4E48-ACA9-7E73AB947D33" name="testPart" version="1.0" />

<property name="indextype" value="string" />

<computationruleparametervalue index="SBAC-IRP-CAT-COMBINED-MATH-3" value="1" />

<computationruleparametervalue index="SBAC-IRP-Perf-COMBINED-MATH-3" value="2" />

</computationruleparameter>

</computationrule>

<computationrule computationorder="61" bpelementid="SOCK\_2">

<identifier uniqueid="0693779E-004E-4B16-9EF0-1027381A4759" name="SBACCATMultiStrandTheta" label="ThetaScore" version="1.0" />

<computationruleparameter position="1" parametertype="double">

<identifier uniqueid="3792C8CF-89FA-429F-9692-251375D2C855" name="LOT" version="1.0" />

<computationruleparametervalue value="-4.1132" />

</computationruleparameter>

<computationruleparameter position="2" parametertype="double">

<identifier uniqueid="6E1573D0-3A27-4F0F-A9E2-F13D43D17C97" name="HOT" version="1.0" />

<computationruleparametervalue value="1.3335" />

</computationruleparameter>

<computationruleparameter position="3" parametertype="double">

<identifier uniqueid="0515C78F-70A6-4104-AC45-4AF97AA49893" name="seLimit" version="1.0" />

<computationruleparametervalue value="2.5" />

</computationruleparameter>

<computationruleparameter position="4" parametertype="string">

<identifier uniqueid="9A828D3D-DE11-4557-8947-775B90E51CF2" name="strands" version="1.0" />

<property name="indextype" value="int" />

<computationruleparametervalue index="1" value="2" />

<computationruleparametervalue index="2" value="4" />

</computationruleparameter>

<computationruleparameter position="5" parametertype="double">

<identifier uniqueid="244A5AD9-67F6-447D-8BFB-81730008E56A" name="averageA" version="1.0" />

<computationruleparametervalue value="0.85" />

</computationruleparameter>

<computationruleparameter position="6" parametertype="double">

<identifier uniqueid="FCDEB5E3-EADC-4975-A232-D2D0574DA139" name="averageB" version="1.0" />

<computationruleparametervalue value="-0.81" />

</computationruleparameter>

</computationrule>

<computationrule computationorder="35" bpelementid="(SBAC\_PT)SBAC-IRP-MATH-3-COMBINED-Summer-2015-2016">

<identifier uniqueid="587A5DD2-3E33-4521-AB1B-15A7FEE461BE" name="TestPerformanceLevel" label="PerformanceLevel" version="1.0" />

</computationrule>

<computationrule computationorder="70" bpelementid="SBAC\_PT-1">

<identifier uniqueid="88AF04C1-42D0-42AD-9AF2-38649898A0C1" name="ScaleScore" label="ScaleScore" version="1.0" />

</computationrule>

<computationrule computationorder="30" bpelementid="(SBAC\_PT)SBAC-IRP-MATH-3-COMBINED-Summer-2015-2016">

<identifier uniqueid="A2A76AFE-6FCE-46D8-AC4E-47DB2ECFB5FE" name="ScaleScore" label="ScaleScore" version="1.0" />

</computationrule>

<computationrule computationorder="131" bpelementid="SOCK\_2">

<identifier uniqueid="CDCDBA7D-47DF-4540-A088-49292C57C359" name="MultipleStrandItemCountScored" label="ItemCountScored" version="1.0" />

<computationruleparameter position="1" parametertype="string">

<identifier uniqueid="947BBD8B-2C84-451F-A5D9-3CC299310B4F" name="strands" version="1.0" />

<property name="indextype" value="int" />

<computationruleparametervalue index="1" value="2" />

<computationruleparametervalue index="2" value="4" />

</computationruleparameter>

</computationrule>

<computationrule computationorder="72" bpelementid="SBAC\_PT-3">

<identifier uniqueid="58A95255-5E45-4159-8792-49FEE5562E25" name="ScaleScore" label="ScaleScore" version="1.0" />

</computationrule>

<computationrule computationorder="84" bpelementid="SBAC\_PT-1">

<identifier uniqueid="77640D3A-52C6-4755-B33C-5480B885D42C" name="SEBasedPLWithRounding" label="PerformanceLevel" version="1.0" />

<computationruleparameter position="1" parametertype="double">

<identifier uniqueid="7B19E304-3863-4F12-9A75-E311DD578EC1" name="seMultiple" version="1.0" />

<computationruleparametervalue value="1.5" />

</computationruleparameter>

<computationruleparameter position="2" parametertype="int">

<identifier uniqueid="2EE0DDB3-7AD5-495E-B1CE-72D4C2BB1AAC" name="proficientPerformanceLevel" version="1.0" />

<computationruleparametervalue value="3" />

</computationruleparameter>

<computationruleparameter position="3" parametertype="double">

<identifier uniqueid="4363F62B-647C-4831-B334-DA5A1B5EA596" name="LOT" version="1.0" />

<computationruleparametervalue value="-4.1132" />

</computationruleparameter>

<computationruleparameter position="4" parametertype="double">

<identifier uniqueid="8191A641-6455-4AAF-840F-FF13BD6E5747" name="HOT" version="1.0" />

<computationruleparametervalue value="1.3335" />

</computationruleparameter>

</computationrule>

<computationrule computationorder="130" bpelementid="SBAC\_PT-1">

<identifier uniqueid="3B151A8A-58B8-448B-8E64-56E6E31E927B" name="ItemCountScored" label="ItemCountScored" version="1.0" />

</computationrule>

<computationrule computationorder="132" bpelementid="SBAC\_PT-3">

<identifier uniqueid="A33AADC2-8B85-4B2D-A793-6DE4C2D10E27" name="ItemCountScored" label="ItemCountScored" version="1.0" />

</computationrule>

<computationrule computationorder="122" bpelementid="SBAC\_PT-3">

<identifier uniqueid="70F7BC7A-537E-4D98-9970-75A7C1A544A3" name="ItemCount" label="ItemCount" version="1.0" />

</computationrule>

<computationrule computationorder="71" bpelementid="SOCK\_2">

<identifier uniqueid="7DFAF8B9-4BD2-4365-98B2-7EC95401C2F8" name="ScaleScore" label="ScaleScore" version="1.0" />

</computationrule>

<computationrule computationorder="110" bpelementid="(SBAC\_PT)SBAC-IRP-MATH-3-COMBINED-Summer-2015-2016">

<identifier uniqueid="3475A3E8-F8DC-4280-88B4-800F83607071" name="RawScore" label="RawScore" version="1.0" />

</computationrule>

<computationrule computationorder="20" bpelementid="(SBAC\_PT)SBAC-IRP-MATH-3-COMBINED-Summer-2015-2016">

<identifier uniqueid="10F3B10F-A7D9-44A7-88BB-A045DC6E484F" name="SBACCATTheta" label="ThetaScore" version="1.0" />

<computationruleparameter position="1" parametertype="double">

<identifier uniqueid="686D3098-28B0-40A0-AC92-EB71DD389125" name="LOT" version="1.0" />

<computationruleparametervalue value="-4.1132" />

</computationruleparameter>

<computationruleparameter position="2" parametertype="double">

<identifier uniqueid="51FA9EDA-3EED-4A9C-9146-F7ACA82E61C0" name="HOT" version="1.0" />

<computationruleparametervalue value="1.3335" />

</computationruleparameter>

<computationruleparameter position="3" parametertype="double">

<identifier uniqueid="F52B7D21-3EB8-4E1D-BECB-A8798CFD7673" name="seLimit" version="1.0" />

<computationruleparametervalue value="2.5" />

</computationruleparameter>

<computationruleparameter position="4" parametertype="double">

<identifier uniqueid="0899CB7A-F48A-4979-A590-B2C45B982D2F" name="averageA" version="1.0" />

<computationruleparametervalue value="0.85" />

</computationruleparameter>

<computationruleparameter position="5" parametertype="double">

<identifier uniqueid="D29ABEA7-6298-46E7-9F40-7E69B434EC29" name="averageB" version="1.0" />

<computationruleparametervalue value="-0.81" />

</computationruleparameter>

</computationrule>

<computationrule computationorder="85" bpelementid="SOCK\_2">

<identifier uniqueid="96FAAFE5-F70F-48D6-B139-A5F94FCAD898" name="SEBasedPLWithRounding" label="PerformanceLevel" version="1.0" />

<computationruleparameter position="1" parametertype="double">

<identifier uniqueid="7B19E304-3863-4F12-9A75-E311DD578EC1" name="seMultiple" version="1.0" />

<computationruleparametervalue value="1.5" />

</computationruleparameter>

<computationruleparameter position="2" parametertype="int">

<identifier uniqueid="2EE0DDB3-7AD5-495E-B1CE-72D4C2BB1AAC" name="proficientPerformanceLevel" version="1.0" />

<computationruleparametervalue value="3" />

</computationruleparameter>

<computationruleparameter position="3" parametertype="double">

<identifier uniqueid="4363F62B-647C-4831-B334-DA5A1B5EA596" name="LOT" version="1.0" />

<computationruleparametervalue value="-4.1132" />

</computationruleparameter>

<computationruleparameter position="4" parametertype="double">

<identifier uniqueid="8191A641-6455-4AAF-840F-FF13BD6E5747" name="HOT" version="1.0" />

<computationruleparametervalue value="1.3335" />

</computationruleparameter>

</computationrule>

<computationrule computationorder="90" bpelementid="(SBAC\_PT)SBAC-IRP-MATH-3-COMBINED-Summer-2015-2016">

<identifier uniqueid="7F19F28E-744E-496A-B55F-C023421EAD19" name="ItemCount" label="ItemCount" version="1.0" />

</computationrule>

<computationrule computationorder="86" bpelementid="SBAC\_PT-3">

<identifier uniqueid="729C20C8-8AA5-4468-86D6-CA3AF28C2D68" name="SEBasedPLWithRounding" label="PerformanceLevel" version="1.0" />

<computationruleparameter position="1" parametertype="double">

<identifier uniqueid="7B19E304-3863-4F12-9A75-E311DD578EC1" name="seMultiple" version="1.0" />

<computationruleparametervalue value="1.5" />

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<identifier uniqueid="2EE0DDB3-7AD5-495E-B1CE-72D4C2BB1AAC" name="proficientPerformanceLevel" version="1.0" />

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<identifier uniqueid="4363F62B-647C-4831-B334-DA5A1B5EA596" name="LOT" version="1.0" />

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<computationruleparameter position="4" parametertype="double">

<identifier uniqueid="8191A641-6455-4AAF-840F-FF13BD6E5747" name="HOT" version="1.0" />

<computationruleparametervalue value="1.3335" />

</computationruleparameter>

</computationrule>

<computationrule computationorder="142" bpelementid="SBAC\_PT-3">

<identifier uniqueid="03F9CC1A-8A36-42D0-862F-E509D709260B" name="RawScore" label="RawScore" version="1.0" />

</computationrule>

<computationrule computationorder="60" bpelementid="SBAC\_PT-1">

<identifier uniqueid="9E7CF623-4E23-47B3-9E5F-E86E2ECB3416" name="SBACCATTheta" label="ThetaScore" version="1.0" />

<computationruleparameter position="1" parametertype="double">

<identifier uniqueid="686D3098-28B0-40A0-AC92-EB71DD389125" name="LOT" version="1.0" />

<computationruleparametervalue value="-4.1132" />

</computationruleparameter>

<computationruleparameter position="2" parametertype="double">

<identifier uniqueid="51FA9EDA-3EED-4A9C-9146-F7ACA82E61C0" name="HOT" version="1.0" />

<computationruleparametervalue value="1.3335" />

</computationruleparameter>

<computationruleparameter position="3" parametertype="double">

<identifier uniqueid="F52B7D21-3EB8-4E1D-BECB-A8798CFD7673" name="seLimit" version="1.0" />

<computationruleparametervalue value="2.5" />

</computationruleparameter>

<computationruleparameter position="4" parametertype="double">

<identifier uniqueid="0899CB7A-F48A-4979-A590-B2C45B982D2F" name="averageA" version="1.0" />

<computationruleparametervalue value="0.85" />

</computationruleparameter>

<computationruleparameter position="5" parametertype="double">

<identifier uniqueid="D29ABEA7-6298-46E7-9F40-7E69B434EC29" name="averageB" version="1.0" />

<computationruleparametervalue value="-0.81" />

</computationruleparameter>

</computationrule>

<computationrule computationorder="100" bpelementid="(SBAC\_PT)SBAC-IRP-MATH-3-COMBINED-Summer-2015-2016">

<identifier uniqueid="64286836-1C63-4A9E-AB7A-E8D156C213B9" name="ItemCountScored" label="ItemCountScored" version="1.0" />

</computationrule>

<computationrule computationorder="121" bpelementid="SOCK\_2">

<identifier uniqueid="B7B506E3-8057-49EE-9A1B-F4D49E590D35" name="MultipleStrandItemCount" label="ItemCount" version="1.0" />

<computationruleparameter position="1" parametertype="string">

<identifier uniqueid="A59C4CF5-E430-42B0-BB91-39D06900F466" name="strands" version="1.0" />

<property name="indextype" value="int" />

<computationruleparametervalue index="1" value="2" />

<computationruleparametervalue index="2" value="4" />

</computationruleparameter>

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<computationrule computationorder="120" bpelementid="SBAC\_PT-1">

<identifier uniqueid="C3C3F69D-1FAB-4D9E-8C87-F770BF4EE9DC" name="ItemCount" label="ItemCount" version="1.0" />

</computationrule>

</scoringrules>

</scoring>

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