



SMARTERAPP SPECIFICATION
for
ENHANCED TEST ADMINISTRATION PACKAGE FORMAT

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Revision History

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Purpose

The purpose of this document is to provide a format specification describing the Test Administration Package for the Test Delivery System (TDS). This package defines the test and is used to load the test into TDS and the Test Integration System (TIS).

Package Usage

Test Delivery System

In order to load the test into TDS, the contents of the XML file are passed to the *loader_main* stored procedure in the *itembank* database on the TDS MySQL server.

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* are in upper camel case and the node *attributes* are in lower camel case.
- **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.
- **Data Widths:** By default, this field is defined by the default width of the field's data type. A missing Data Width field is simply treated as the default width of the field's data type.

Enhanced Administration Test Package Format Specification – Table 1

Category / Node (XML Element)	Field Name (attribute)	XML Hierarchy	Width (chars)	Required	Data Element Description	Acceptable Values	Data Type
TestPackage		TestPackage		Always	The root element of the test package. The <TestPackage> element contains an optional <Scoring> element (for test packages that contain COMBINED scoring data, such as ICA assessments)		
	academicYear		25	Always	The academic year of the test package	Either a single year, or range of years	token
	bankKey			Always	The bank key of the items, forms, stimuli, and other test package metadata		integer
	publishDate			Always	The date this package was published. Example: 2015-08-19T22:44:00Z	Sample format: 2015-08-19T22:44:00Z	datetime
	publisher		100	Always	The publisher of this package	One or more printable ASCII characters	token
	subject		100	Always	The subject of the tests in the test package	ELA, MATH	token
	subType		25	Optional	The subtype of the test package	ICA, IAB	token
	type		30	Always	The test type of the test package	summative, interim	token
	version			Always	The version of this test specification. As of the publishing of this document, the version value must be an integer or long (non-decimal) value		decimal

Blueprint		TestPackage:Blueprint		Always	<p>The test-level Blueprint element contains the following attributes:</p> <p>minExamItems/maxExamItems: the minimum and maximum operational items to administer for this assessment</p> <p>minFieldTestItems/maxFieldTestItems: the minimum and maximum field test items to administer for this assessment</p>		
BlueprintElement		TestPackage:Blueprint:BlueprintElement		Optional	<p>Each element or component of a blueprint must have a corresponding BlueprintElement.</p> <p>A BlueprintElement identifies a set of items for one or both of the following purposes:</p> <ul style="list-style-type: none"> Creating a test 'form' adaptively, Scoring a test. <p>In addition to a subject's taxonomy of content standards, the following are also BlueprintElements:</p> <ul style="list-style-type: none"> The test itself (for establishing scoring and reporting features) Every test segment (for item selection and administration) Depth of Knowledge categories Other (arbitrary) sets of items (may be useful for ad hoc identification of sets) <p>Depth of Knowledge and other arbitrary sets of items are lumped into one object type called an 'AffinityGroup'.</p> <p>This is also used for the SBAC Content Standards Repository object called 'SOCK', an acronym for 'Some Other Category of Knowledge'</p>		
	description			Optional	A human readable description of the blueprint element	One or more printable ASCII characters	token

	id		150	Always	The id of the blueprint element	One or more printable ASCII characters	token
	label			Optional	A human readable label of a blueprint element	One or more printable ASCII characters	token
	level			Optional	The level description in the blueprint hierarchy	One or more printable ASCII characters	token
	type			Always	an arbitrary designation, usually from some aspect of a taxonomy defining the subject-area. (e.g., "claim", "target")	package, test, segment, affinitygroup, sock, claim, target	token
Scoring		TestPackage:Blueprint:Blueprint Element:Scoring		Optional			
PerformanceLevels		TestPackage:Blueprint:Blueprint Element:Scoring:PerformanceLevels		Optional	Sets the performance level groups. Contains multiple performancelevel elements		
PerformanceLevel		TestPackage:Blueprint:Blueprint Element:Scoring:PerformanceLevel		Always	Cutscore that determines a coarse-grained level of skill-attainment. Performance levels are part of scoring and reporting.		
	pLevel		10	Always	Level at which student is considered proficient for the test	Integer >= 1	integer
	scaledHi		30	Always	High score to include in this performance level		float
	scaledLo		30	Always	Low score to include in this performance level		float
Rules		TestPackage:Blueprint:Blueprint Element:Scoring:Rules		Always	Configurations for scoring the test, consisting of:		

					- rules for computation - score cut points for determining performance levels		
Rule		TestPackage:Blueprint:Blueprint Element:Scoring:Rules:Rule		Always	A rule for computing a score element, such as: - overall theta or scaled score - strand score - benchmark score		
	computationOrder		10	Optional	The order that the computations are processed.	Integer >= 1	integer
	name			Always	The computation rule's name	One or more printable ASCII characters	token
Parameter		TestPackage:Blueprint:Blueprint Element:Scoring:Rules:Rule:Parameter		Optional	A parameter for a computation rule		
	id		250	Always	Uniquely identifies this rule parameter	One or more printable ASCII characters	token
	name		128	Optional	Parameter name	One or more printable ASCII characters	token
	position		10	Always	Order of this parameter within scoring method signature	Integer >= 1	integer
	type		16	Always	Defines the parameter variable type	int, double, string	token
Property		TestPackage:Blueprint:Blueprint Element:Scoring:Rules:Rule:Parameter:Property		Optional			
	name		200	Always	If indextype is provided, then the parameter is a Dictionary and each parameter value must define the index attribute.	One or more printable ASCII characters	token

	value		200	Always		int, double, string	token
Value		TestPackage:Blueprint:Blueprint Element:Scoring:Rules:Rule:Par ameter:Value		Always			
	index		10	Optional	The value, if provided, must match the type defined in the indextype property value attribute.	One or more printable ASCII characters	token
	value		255	Always	The value must match the Parameter/@type value	One or more printable ASCII characters	token
Test		TestPackage:Test		Always	The test element defines an individual test (or test part) of a test package		
	id		200	Always	The unique identifier of the test	One or more printable ASCII characters	token
	label		255	Always	The human readable label of the test	One or more printable ASCII characters	token
Grades		TestPackage:Test:Grades		Always	The list of grades the test corresponds to		
Grade		TestPackage:Test:Grades:Grad e		Always			
	label		64	Optional	The human readable label of the grade (e.g., "Kindergarden", "Grade 12")	Grade 2, Grade 12, Kindergarden	token
	value		25	Always	The grade code/integer value for the grade (e.g., "KR", "1", "12")	2, 12, KR	token
Segments		TestPackage:Test:Segments		Always			
Segment		TestPackage:Test:Segments:Se gment		Always	Every Test must contain one or more segments (an "unsegmented" test is		

					<p>actually a single-segment test).</p> <p>A segment defines a partition of a test wherein various presentational aspects may be controlled (such as isolating calculator items from non-calculator items).</p> <p>The Segment contains the following sub-elements:</p> <p>SegmentBlueprint: The segment blueprint constraints for selecting items, each references a test-level BlueprintElement</p> <p>One of the following, depending on the item selection type:</p> <p>Pool - The segment pool of items, for adaptive segments</p> <p>Forms - A list of forms for the segment, for fixed-form assessments</p> <p>ItemSelector: the method for selecting items for the segment (e.g. "fixedform", "adaptive")</p> <p>Tools: A list of universal tools, accommodations, and designated supports along with various options and dependency rules</p>		
	algorithmImplementation		50	Always	The algorithm type implementation	FAIRWAY ROUNDROBIN, AIR ADAPTIVE	token
	algorithmType		50	Always	The type of selection algorithm	fixedform, adaptive	token
	entryApproval		5	Optional	A flag indicating that a student will require approval to enter the segment	true, false, 0, 1	boolean
	exitApproval		5	Optional	A flag indicating that a student will require approval to exit the segment	true, false, 0, 1	boolean
	id		200	Always	The unique identifier of the segment	One or more printable ASCII characters	token

	label		255	Optional	A human-readable label to be displayed in the student and proctor application - if no label is provided, the segment key will be used.	One or more printable ASCII characters	token
	position			Optional	The position of the segment in the assessment (1-based). If no position is provided, the default value is "1"	Integer >= 1	short
Pool		TestPackage:Test:Segments:Segment:Pool		Always	The Segment's Pool - A list of items/itemgroups that is specific for adaptive segments. A pool containing items that can be selected for a segment, based on adaptive algorithm calculations, min/max item constraints at the strand, contentlevel, segment, or assessment levels.		
ItemGroup		TestPackage:Test:Segments:Segment:Pool:ItemGroup		Always	A grouping of one or more items. The item group items must always be presented in the test together in a single page		
	id		10	Always	The identifier of the item group	As of the publishing of this document, the Test Delivery System only supports integer/long values as an item group identifier	token
	maxItems		10	Optional	Maximum number of items in this form partition	ALL or an integer >= 0	token
	maxResponses		10	Optional	Maximum responses for this form partition	ALL or an integer >= 0	token
Item		TestPackage:Test:Segments:Segment:Pool:ItemGroup:Item		Always			
	active		5	Optional	Flag indicating whether the item should not be scored (default is "false")	true, false, 0, 1	boolean

	administrationRequired		5	Optional	Flag indicating whether the item must be administered (default is "true")	true, false, 0, 1	boolean
	doNotScore		5	Optional	Flag indicating whether the item should not be scored (default is "false")	true, false, 0, 1	boolean
	fieldTest		5	Optional	Flag indicating whether the item is a field test item (default is "false")	true, false, 0, 1	boolean
	handScored		5	Optional	Flag indicating whether the item must be handscored (default is "false")	true, false, 0, 1	boolean
	id		10	Always	The identifier for the item	As of the publishing of this document, the Test Delivery System only supports integer/long values as an item identifier	token
	responseRequired		5	Optional	Flag indicating whether the item is required to be responded to before proceeding with the test (default is "true")	true, false, 0, 1	boolean
	type		50	Always	The type of item	MC, ER, SA, WER, TI, EQ, GI, HTQ, MI, etc	token
BlueprintReferences		TestPackage:Test:Segments:Segment:Pool:ItemGroup:Item:BlueprintReferences		Always	The collection of blueprint references for a given item		
BlueprintReference		TestPackage:Test:Segments:Segment:Pool:ItemGroup:Item:BlueprintReferences:BlueprintReference		Always	An element used to link individual items with specific blueprint elements		
	idRef		150	Always	The id of the blueprint element that corresponds to this item	One or more printable ASCII characters	token
ItemScoreDimension		TestPackage:Test:Segments:Segment:Pool:ItemGroup:Item:ItemScoreDimension			A dimension along which an item may be scored.		
	dimension		200	Optional	The dimension type	One or more printable ASCII characters	token

	measurementModel		50	Always	The scoring measurement model	IRT3pln, IRTPCL, RAW, IRT3PL, IRTGPC	token
	scorePoints		10	Always	Scoring points for this scoring dimension	Integer >= 0	integer
	weight		30	Always	Weight applied for the scoring dimension		float
ItemScoreParameter		TestPackage:Test:Segments:Segment:Pool:ItemGroup:Item:ItemScoreDimension:ItemScoreParameter		Optional			
	measurementParameter		50	Always	A parameter within a dimension. e.g. for IRT3pl there are 3 parameters, named a, b, and c.	a, b, c, b0, b1, b2, b3, b4, b5...	token
	value			Always	The value of the measurement parameter		float
Presentations		TestPackage:Test:Segments:Segment:Pool:ItemGroup:Item:Presentations		Always	The list of presentations/languages (codes) compatible with the given item or form. For fixed form item selection, an item MUST contain the language of the form it belongs to in order to be compatible.		
Presentation		TestPackage:Test:Segments:Segment:Pool:ItemGroup:Item:Presentations:Presentation		Always			
	code		20	Always	The code of the presentation type	ENU, ENU-Braille, ESN	token

	label		20	Optional	The human readable label of the presentation type (if not defined, the code will be used)	English, Braille, Spanish	token
TeacherHandScoring		TestPackage:Test:Segments:Segment:Pool:ItemGroup:Item:TeacherHandScoring		Optional			
	description			Always		One or more printable ASCII characters	token
	exemplar			Optional		One or more printable ASCII characters	token
	itemname			Optional		One or more printable ASCII characters	token
	layout			Optional		One or more printable ASCII characters	token
	passage			Optional		One or more printable ASCII characters	token
	trainingGuide			Optional		One or more printable ASCII characters	token
Dimensions		TestPackage:Test:Segments:Segment:Pool:ItemGroup:Item:TeacherHandScoring:Dimensions		Optional			String
Stimulus		TestPackage:Test:Segments:Segment:Pool:ItemGroup:Stimulus		Optional	The stimulus associated with the item group items		

	id		10	Always	The identifier for the stimulus	As of the publishing of this document, the Test Delivery System only supports integer/long values as a stimulus identifier	token
SegmentBlueprint		TestPackage:Test:Segments:Segment:SegmentBlueprint		Optional	A segment-level Blueprint that defines item selection rules for adaptive segments ATTRIBUTES: minExamItems/maxExamItems: the minimum and maximum operational items to administer from this blueprint category minFieldTestItems/maxFieldTestItems: (OPTIONAL) the minimum and maximum field test items to administer - default to "0"		
SegmentBlueprint Element		TestPackage:Test:Segments:Segment:SegmentBlueprint:SegmentBlueprintElement		Always	BlueprintElement ATTRIBUTES:minExamItems/maxExamItems:		
	idRef		150	Always	The id of the test-package level blueprint element being referenced	One or more printable ASCII characters	token
	maxExamItems			Always	The maximum operational items to administer from this blueprint element	Integer >= 0	integer
	maxFieldTestItems			Optional	The maximum field test items to administer from this blueprint element. If not present, the default value is "0"	Integer >= 0	integer
	minExamItems			Always	The minimum operational items to administer from this blueprint element	Integer >= 0	integer

	minFieldTestItems			Optional	The minimum field test items to administer from this blueprint element. If not present, the default value is "0"	Integer >= 0	integer
ItemSelection		TestPackage:Test:Segments:Segment:SegmentBlueprint:SegmentBlueprintElement:ItemSelection		Optional	The item selection element		
Property		TestPackage:Test:Segments:Segment:SegmentBlueprint:SegmentBlueprintElement:ItemSelection:Property		Always			
	name		200	Always	The property code name	Fixed form values include: slope, intercept. Adaptive values include: isstrictmax, bpweight, adaptivecut, startability, startinfo, scalar, ...	token
	value		100	Always	The value of the property	One or more printable ASCII characters	token
SegmentForms		TestPackage:Test:Segments:Segment:SegmentForms		Always	The forms available form selection for this assessment (typically based on subject and the form cohort), at least one form is required per-segment, for fixed-form segments.		
SegmentForm		TestPackage:Test:Segments:Segment:SegmentForms:SegmentForm		Always	<p>Segment-level form definition. (Only required when segments use the 'fixed form' item selection algorithm)</p> <p>This is used by the test registration/administration module to pre-assign specific forms to examinees.</p> <p>It also is used to establish the defined and finite set of cohorts to which</p>		

					<p>every segment fixed form must belong.</p> <p>Example: The Test contains two Segments, each with two possible forms about music:</p> <p>SEGMENT 1: Form 1 has an id of "Music1-HM" and a cohort of "Heavy Metal" Form 2 has an id of "Music1-J" and a cohort of "Jazz"</p> <p>SEGMENT 2: Form 3 has an id of "Music2-HM" and a cohort of "Heavy Metal" Form 4 has an id of "Music2-J" and a cohort of "Jazz"</p> <p>If "Music1-HM" is selected for the examinee's first segment, then the linked cohort will ensure that Form 3 is ALWAYS selected for the second segment. Likewise, if Form 2 is selected for the first segment, Form 4 will always follow in the second segment.</p>		
	cohort		20	Optional	The form cohort - A string used to link forms of different segments	One or more printable ASCII characters	token
	id		150	Always	The form identifier	One or more printable ASCII characters	token
ItemGroup		TestPackage:Test:Segments:Segment:SegmentForms:SegmentForm:ItemGroup		Always	A grouping of one or more items. The item group items must always be presented in the test together in a single page		

	id		10	Always	The identifier of the item group	As of the publishing of this document, the Test Delivery System only supports integer/long values as an item group identifier	token
	maxItems		10	Optional	Maximum number of items in this form partition	ALL or an integer >= 0	token
	maxResponses		10	Optional	Maximum responses for this form partition	ALL or an integer >= 0	token
Item		TestPackage:Test:Segments:Segment:SegmentForms:SegmentForm:ItemGroup:Item		Always			
	active		5	Optional	Flag indicating whether the item should not be scored (default is "false")	true, false, 0, 1	boolean
	administrationRequired		5	Optional	Flag indicating whether the item must be administered (default is "true")	true, false, 0, 1	boolean
	doNotScore		5	Optional	Flag indicating whether the item should not be scored (default is "false")	true, false, 0, 1	boolean
	fieldTest		5	Optional	Flag indicating whether the item is a field test item (default is "false")	true, false, 0, 1	boolean
	handScored		5	Optional	Flag indicating whether the item must be handscored (default is "false")	true, false, 0, 1	boolean
	id		10	Always	The identifier for the item	As of the publishing of this document, the Test Delivery System only supports integer/long values as an item identifier	token
	responseRequired		5	Optional	Flag indicating whether the item is required to be responded to before proceeding with the test (default is "true")	true, false, 0, 1	boolean
	type		50	Always	The type of item	MC, ER, SA, WER, TI, EQ, GI, HTQ, MI, etc	token
BlueprintReferences		TestPackage:Test:Segments:Segment:SegmentForms:Segment		Always			

		Form:ItemGroup:Item:BlueprintReferences					
BlueprintReference		TestPackage:Test:Segments:Segment:SegmentForms:SegmentForm:ItemGroup:Item:BlueprintReferences:BlueprintReference		Always	A reference to a blueprint element. At least one BlueprintElement reference is required for each item		
	idRef			Always		One or more printable ASCII characters	token
ItemScoreDimension		TestPackage:Test:Segments:Segment:SegmentForms:SegmentForm:ItemGroup:Item:ItemScoreDimension			<p>A dimension along which an item may be scored.</p> <p>ATTRIBUTES:</p> <ul style="list-style-type: none"> - measurementModel: e.g. IRT3PL, IRTPCL (must be recognizable by the test scoring engine; simulator may also need this info) - scorePoints: Maximum number of points an examinee may received for this item - dimension: An item may have scores on multiple dimensions, each with its own scales and rules. Typically, however, there is a single dimension - weight: Where an item is scored separately on multiple dimensions, a composite score may be computed from a weighted combination of the dimension scores 		
	dimension		200	Optional	The dimension type	One or more printable ASCII characters	token
	measurementModel		50	Always	The scoring measurement model	IRT3pIn, IRTPCL, RAW, IRT3PL, IRTGPC	token
	scorePoints		10	Always	Scoring points for this scoring dimension	Integer >= 0	integer
	weight		30	Always	Weight applied for the scoring dimension		float

ItemScoreParameter		TestPackage:Test:Segments:Segment:SegmentForms:SegmentForm:ItemGroup:Item:ItemScoreDimension:ItemScoreParameter		Always	A parameter within a dimension. e.g. for IRT3pl there are 3 parameters, named a, b, and c.		
	measurementParameter		50	Always	A parameter within a dimension. e.g. for IRT3pl there are 3 parameters, named a, b, and c.	a, b, c, b0, b1, b2, b3, b4, b5....	token
	value			Always	The value of the measurement parameter		float
Presentations		TestPackage:Test:Segments:Segment:SegmentForms:SegmentForm:ItemGroup:Item:Presentations		Always			
Presentation		TestPackage:Test:Segments:Segment:SegmentForms:SegmentForm:ItemGroup:Item:Presentations:Presentation		Always			
	code		Always	"ENU", "ENU-Braille", "ESN"	The list of presentations/languages (codes) compatible with the given item or form. For fixed form item selection, an item MUST contain the language of the form it belongs to in order to be compatible.	ENU, ENU-Braille, ESN	token
	label		Optional	"English", "Braille", "Spanish"	The human readable label of the presentation type (if not defined, the code will be used)	English, Braille, Spanish	token
TeacherHandScoring		TestPackage:Test:Segments:Segment:SegmentForms:SegmentForm:ItemGroup:Item:TeacherHandScoring		Optional	Teacher Hand Scoring System configuration. Reference https://github.com/SmarterApp/TDS_TeacherHandScoringSystem		
	description			Always		One or more printable ASCII characters	token
	exemplar			Optional		One or more printable ASCII characters	token
	itemname			Optional		One or more printable ASCII characters	token

	layout			Optional		One or more printable ASCII characters	token
	passage			Optional		One or more printable ASCII characters	token
	trainingGuide			Optional		One or more printable ASCII characters	token
Dimensions		TestPackage:Test:Segments:Segment:SegmentForms:SegmentForm:ItemGroup:Item:TeacherHandScoring:Dimensions		Optional			
Stimulus		TestPackage:Test:Segments:Segment:SegmentForms:SegmentForm:ItemGroup:Stimulus		Optional	The stimuli of the item group, also known as the "passage". An item group may not necessarily contain a stimuli, such as in case where the item group is a singular, self-contained item. ATTRIBUTES: - id: The stimuli identifier, also referred to as the "passage key". This is an integer value (e.g., 187- 1234)		
	id			Always		One or more printable ASCII characters	token
Presentations		TestPackage:Test:Segments:Segment:SegmentForms:SegmentForm:Presentations		Always	The list of presentations/languages (codes) compatible with the given item or form. For fixed form item selection, an item MUST contain the language of the form it belongs to in order to be compatible.		
Presentation		TestPackage:Test:Segments:Segment:SegmentForms:SegmentForm:Presentations:Presentation		Always			
	code			Always	The code of the presentation type	ENU, ENU-Braille, ESN	token

	label			Optional		English, Braille, Spanish	token
Tools		TestPackage:Test:Segments:Segment:Tools		Optional			
Tool		TestPackage:Test:Segments:Segment:Tools:Tool		Always	<p>A "Tool" is a general term for any universal tools, designated supports, or accommodations. Each Tool represents a type of tool, such as "Zoom", "American Sign Language", "Masking", and "Calculator" and contains a list of its possible options and dependency rules. Tools can be defined at the assessment-level as well as the segment-level</p> <p>SUBELEMENTS: The Options for the Tool</p>		
	allowChange		5	Optional	A flag indicating whether or not the tool can be changed by the proctor when a student is waiting for approval to enter an assessment or segment	true, false, 0, 1	boolean
	allowMultiple		5	Optional	A flag indicating whether a tool type can have more than one option selected	true, false, 0, 1	boolean
	disableOnGuest		5	Optional	A flag indicating whether or not an accommodation should be disabled for guest students (default is "false")	true, false, 0, 1	boolean
	name		255	Always	The tool type "name". This is the string identifying the tool type. The tool type name may contain spaces.	Masking, Calculator, Mark for Review, Braille Type, etc	token

	required		5	Optional	required: A flag indicating whether or not a tool selection is required for this type of tool	true, false, 0, 1	boolean
	sortOrder			Optional	An optional ordering of the type (ascending)		integer
	studentPackage FieldName		100	Optional	The name/identifier of the tool/accommodation/designated supports used by ART.	TDSAcc-Masking, TDSAcc-Calculator, TDSAcc-MarkForReview, etc	token
	type			Optional	The tool type	Universal Tools, Designated Supports Accommodation	token
Options		TestPackage:Test:Segments:Segment:Tools:Tool:Options		Optional	A list of two or more Options for the given Tool. Typically, a tool will have at the very least an "ON" or "OFF" option		
Option		TestPackage:Test:Segments:Segment:Tools:Tool:Options:Option		Always	An Option for a Tool. For some tools, the list of Options should contain at least two elements - an "ON" and an "OFF" Option.		
	code		255	Always	The ISAAP code corresponding to the Tool Option	TDS_MfR0, TDS_Masking1, TDS_ExpandablePassages0, etc	token
	default		5	Optional	Flag indicating whether the option is the default selected option (default is "false")	true, false, 0, 1	boolean
	label			Optional	The label value in which the option should be displayed on the UI	One or more printable ASCII characters	token
	sortOrder			Always	The order value in which the option should be displayed on the UI		integer

Dependencies		TestPackage:Test:Segments:Segment:Tools:Tool:Options:Option:Dependencies		Optional	(OPTIONAL) A list of one or more dependencies indicating whether an Option(s) should be enabled based on other Tool selections		
Dependency		TestPackage:Test:Segments:Segment:Tools:Tool:Options:Option:Dependencies:Dependency		Always	A Dependency defines a rule for when a specific Tool Option should be enabled or available to an examinee. The Dependency can be read as: if <ifToolType> is <ifToolCode>, then the option is enabled e.g., "IF <Language> IS <ENU>, THEN <Emboss' option should be enabled>"		
	ifToolCode		255	Always	The conditional tool code (option) of the rule	One or more printable ASCII characters	token
	ifToolType		255	Always	The conditional tool type of the rule	One or more printable ASCII characters	token
Tools		TestPackage:Test:Tools		Optional			
Tool		TestPackage:Test:Tools:Tool		Always	A "Tool" is a general term for any universal tools, designated supports, or accommodations. Each Tool represents a type of tool, such as "Zoom", "American Sign Language", "Masking", and "Calculator" and contains a list of its possible options and dependency rules. Tools can be defined at the assessment-level as well as the segment-level SUBELEMENTS: The Options for the Tool		
	allowChange		5	Optional	A flag indicating whether or not the tool can be changed by the proctor when a student is waiting for approval to enter an assessment or segment	true, false, 0, 1	boolean
	allowMultiple		5	Optional	A flag indicating whether a tool type can have more than one option selected	true, false, 0, 1	boolean

	disableOnGuest		5	Optional	A flag indicating whether or not an accommodation should be disabled for guest students (default is "false")	true, false, 0, 1	boolean
	name		255	Always	The tool type "name". This is the string identifying the tool type. The tool type name may contain spaces.	Masking, Calculator, Mark for Review, Braille Type, etc	token
	required		5	Optional	required: A flag indicating whether or not a tool selection is required for this type of tool	true, false, 0, 1	boolean
	sortOrder			Optional	An optional ordering of the type (ascending)		integer
	studentPackage FieldName		100	Optional	The name/identifier of the tool/accommodation/designated supports used by ART.	TDSAcc-Masking, TDSAcc-Calculator, TDSAcc-MarkForReview, etc	token
	type			Optional	The tool type	Universal Tools, Designated Supports Accommodation	token
Options		TestPackage:Test:Tools:Tool:Options		Always	A list of two or more Options for the given Tool. Typically, a tool will have at the very least an "ON" or "OFF" option		
Option		TestPackage:Test:Tools:Tool:Options:Option		Always	An Option for a Tool. For some tools, the list of Options should contain at least two elements - an "ON" and an "OFF" Option.		
	code		255	Always	The ISAAP code corresponding to the Tool Option	TDS_MfR0, TDS_Masking1, TDS_ExpandablePassages0, etc	token

	default		5	Optional	Flag indicating whether the option is the default selected option (default is "false")	true, false, 0, 1	boolean
	label			Optional	The label value in which the option should be displayed on the UI	One or more printable ASCII characters	token
	sortOrder			Always	The order value in which the option should be displayed on the UI		integer
Dependencies		TestPackage:Test:Tools:Tool:Options:Option:Dependencies		Optional	(OPTIONAL) A list of one or more dependencies indicating whether an Option(s) should be enabled based on other Tool selections		
Dependency		TestPackage:Test:Tools:Tool:Options:Option:Dependencies:Dependency		Always	A Dependency defines a rule for when a specific Tool Option should be enabled or available to an examinee. The Dependency can be read as: if <ifToolType> is <ifToolCode>, then the option is enabled e.g., "IF <Language> IS <ENU>, THEN <Emboss' option should be enabled>"		
	ifToolCode		255	Always	The conditional tool code (option) of the rule	One or more printable ASCII characters	token
	ifToolType		255	Always	The conditional tool type of the rule	One or more printable ASCII characters	token



Sample XML Files

A couple of example of the Enhanced Administration Package Format files are listed below.

IAB Fixed Form Sample XML File

Below is an ELA 11 Performance Test Administration Package which is an example of a fixed form IAB test package in the Enhanced Administration Package Format:

```
<TestPackage publisher="SBAC" publishDate="2017-06-16T13:51:00Z" subject="ELA" type="interim" version="1" bankKey="200" academicYear="2018">
  <Blueprint>
    <BlueprintElement id="SBAC-IAB-FIXED-G11E-Perf-Explanatory-Marshmallow_QA" type="test">
      <Scoring>
        <PerformanceLevels>
          <PerformanceLevel scaledLo="2299.0" scaledHi="2493.0" pLevel="1"/>
          <PerformanceLevel scaledLo="2493.0" scaledHi="2583.0" pLevel="2"/>
          <PerformanceLevel scaledLo="2583.0" scaledHi="2682.0" pLevel="3"/>
          <PerformanceLevel scaledLo="2682.0" scaledHi="2795.0" pLevel="4"/>
        </PerformanceLevels>
      </Scoring>
      <Rules>
        <Rule computationOrder="10" name="SBACIABAttemptedness"/>
        <Rule computationOrder="40" name="SEBasedPLWithRounding">
          <Parameter name="seMultiple" id="7B19E304-3863-4F12-9A75-E311DD578EC1" type="double" position="1">
            <Value value="1.5"/>
          </Parameter>
          <Parameter name="proficientPerformanceLevel" id="2EE0DDB3-7AD5-495E-B1CE-72D4C2BB1AAC" type="int" position="2">
            <Value value="3"/>
          </Parameter>
          <Parameter name="LOT" id="4363F62B-647C-4831-B334-DA5A1B5EA596" type="double" position="3">
            <Value value="-2.4375"/>
          </Parameter>
          <Parameter name="HOT" id="8191A641-6455-4AAF-840F-FF13BD6E5747" type="double" position="4">
            <Value value="3.3392"/>
          </Parameter>
        </Rule>
        <Rule computationOrder="20" name="SBACTheta">
          <Parameter name="LOT" id="933D98F3-34BC-4957-8FAE-0B66CB0AB41E" type="double" position="1">
            <Value value="-2.4375"/>
          </Parameter>
          <Parameter name="HOT" id="11D307FC-7B83-4ECC-AAF8-C5E1445897C8" type="double" position="2">
            <Value value="3.3392"/>
          </Parameter>
          <Parameter name="seLimit" id="E766945F-93FF-4671-B21D-ADCEFD802AF3" type="double" position="3">
            <Value value="2.5"/>
          </Parameter>
        </Rule>
        <Rule computationOrder="30" name="ScaleScore"/>
        <Rule computationOrder="50" name="SBACAccommodationUseCodes">
          <Parameter name="accomNoCodes" id="A04CEA62-7A8C-4C39-859D-CEDA15FAA0AA" type="string" position="1">

```

```

        <Property name="indextype" value="string"/>
        <Value index="Print Size" value="TDS_PS_L0"/>
    </Parameter>
</Rule>
</Rules>
</Scoring>
<BlueprintElement id="SBAC-IAB-FIXED-G11E-Perf-Exp-Marshmallow-1-ELA-11" type="segment"/>
<BlueprintElement id="SBAC-IAB-FIXED-G11E-Perf-Exp-Marshmallow-2-ELA-11" type="segment"/></BlueprintElement>
<BlueprintElement id="2-W" type="claim">
    <BlueprintElement id="2-W|4-11" type="target"/></BlueprintElement>
<BlueprintElement id="4-CR" type="claim">
    <BlueprintElement id="4-CR|2-11" type="target"/>
    <BlueprintElement id="4-CR|4-11" type="target"/></BlueprintElement>
</Blueprint>
<Test id="SBAC-IAB-FIXED-G11E-Perf-Explanatory-Marshmallow_QA" label="High School ELA Performance Task - How We Learn (IAB)_QA">
    <Segments>
        <Segment position="1" id="SBAC-IAB-FIXED-G11E-Perf-Exp-Marshmallow-1-ELA-11" label="(SBAC)SBAC-IAB-FIXED-G11E-Perf-Exp-Marshmallow-1-ELA-11-Winter-2017-2018" algorithmImplementation="AIR_FIXEDFORM1" algorithmType="fixedform">
            <SegmentBlueprint>
                <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" minExamItems="0" maxExamItems="3" idRef="4-CR"/>
                <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" minExamItems="0" maxExamItems="3" idRef="4-CR|2-11"/>
                <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" minExamItems="0" maxExamItems="3" idRef="4-CR|4-11"/>
                <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" minExamItems="2" maxExamItems="2" idRef="SBAC-IAB-FIXED-G11E-Perf-Exp-
Marshmallow-1-ELA-11">
                    <ItemSelection>
                        <Property name="slope" value="85.8"/>
                        <Property name="intercept" value="2508.2"/>
                    </ItemSelection>
                </SegmentBlueprintElement>
            </SegmentBlueprint>
            <SegmentForms>
                <SegmentForm id="IAB-G11E-PT1-2018 ENG" cohort="Default">
                    <Presentations>
                        <Presentation label="English" code="ENU"/>
                        <Presentation label="Braille" code="ENU-Braille"/>
                    </Presentations>
                    <ItemGroup maxResponses="ALL" maxItems="ALL" id="2025">
                        <Stimulus id="2025"/>
                        <Item administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" active="true" fieldTest="false"
id="62023" type="SA">
                            <BlueprintReferences>
                                <BlueprintReference idRef="SBAC-IAB-FIXED-G11E-Perf-Exp-Marshmallow-1-ELA-11"/>
                                <BlueprintReference idRef="4-CR"/>
                                <BlueprintReference idRef="4-CR|2-11"/>
                            </BlueprintReferences>
                            <ItemScoreDimension scorePoints="2" weight="1.0" measurementModel="IRTGPC">

```

```

        <ItemScoreParameter measurementParameter="a" value="0.7306200265884399"/>
        <ItemScoreParameter measurementParameter="b0" value="1.4085500240325928"/>
        <ItemScoreParameter measurementParameter="b1" value="2.455169916152954"/>
    </ItemScoreDimension>
    <Presentations>
        <Presentation label="English" code="ENU"/>
        <Presentation label="Braille" code="ENU-Braille"/>
    </Presentations>
</Item>
id="62025" type="SA">
    <Item administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" active="true" fieldTest="false"
    <BlueprintReferences>
        <BlueprintReference idRef="SBAC-IAB-FIXED-G11E-Perf-Exp-Marshmallow-1-ELA-11"/>
        <BlueprintReference idRef="4-CR"/>
        <BlueprintReference idRef="4-CR|4-11"/>
    </BlueprintReferences>
    <ItemScoreDimension scorePoints="2" weight="1.0" measurementModel="IRTGPC">
        <ItemScoreParameter measurementParameter="a" value="0.6373000144958496"/>
        <ItemScoreParameter measurementParameter="b0" value="0.8460400104522705"/>
        <ItemScoreParameter measurementParameter="b1" value="1.5986000299453735"/>
    </ItemScoreDimension>
    <Presentations>
        <Presentation label="English" code="ENU"/>
        <Presentation label="Braille" code="ENU-Braille"/>
    </Presentations>
    </Item>
</ItemGroup>
</SegmentForm>
<SegmentForm id="IAB-G11E-PT1-2018 BRL" cohort="Default-ENU">
    <Presentations>
        <Presentation label="English" code="ENU"/>
        <Presentation label="Braille" code="ENU-Braille"/>
    </Presentations>
    <ItemGroup maxResponses="ALL" maxItems="ALL" id="2025">
        <Stimulus id="2025"/>
        <Item administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" active="true" fieldTest="false"
        id="62023" type="SA">
            <BlueprintReferences>
                <BlueprintReference idRef="SBAC-IAB-FIXED-G11E-Perf-Exp-Marshmallow-1-ELA-11"/>
                <BlueprintReference idRef="4-CR"/>
                <BlueprintReference idRef="4-CR|2-11"/>
            </BlueprintReferences>
            <ItemScoreDimension scorePoints="2" weight="1.0" measurementModel="IRTGPC">
                <ItemScoreParameter measurementParameter="a" value="0.7306200265884399"/>
                <ItemScoreParameter measurementParameter="b0" value="1.4085500240325928"/>
                <ItemScoreParameter measurementParameter="b1" value="2.455169916152954"/>
            </ItemScoreDimension>
            <Presentations>
                <Presentation label="English" code="ENU"/>
                <Presentation label="Braille" code="ENU-Braille"/>
            </Presentations>
        </Item>
    </ItemGroup>
</SegmentForm>

```

```

    </ItemScoreDimension>
    <Presentations>
      <Presentation label="English" code="ENU"/>
      <Presentation label="Braille" code="ENU-Braille"/>
    </Presentations>
  </Item>
  <Item administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" active="true" fieldTest="false"
id="62025" type="SA">
    <BlueprintReferences>
      <BlueprintReference idRef="SBAC-IAB-FIXED-G11E-Perf-Exp-Marshmallow-1-ELA-11"/>
      <BlueprintReference idRef="4-CR"/>
      <BlueprintReference idRef="4-CR|4-11"/>
    </BlueprintReferences>
    <ItemScoreDimension scorePoints="2" weight="1.0" measurementModel="IRTGPC">
      <ItemScoreParameter measurementParameter="a" value="0.6373000144958496"/>
      <ItemScoreParameter measurementParameter="b0" value="0.8460400104522705"/>
      <ItemScoreParameter measurementParameter="b1" value="1.5986000299453735"/>
    </ItemScoreDimension>
    <Presentations>
      <Presentation label="English" code="ENU"/>
      <Presentation label="Braille" code="ENU-Braille"/>
    </Presentations>
  </Item>
</ItemGroup>
</SegmentForm>
</SegmentForms>
</Segment>
<Segment position="2" id="SBAC-IAB-FIXED-G11E-Perf-Exp-Marshmallow-2-ELA-11" label="(SBAC)SBAC-IAB-FIXED-G11E-Perf-Exp-Marshmallow-2-ELA-11-Winter-
2017-2018" algorithmImplementation="AIR FIXEDFORM1" algorithmType="fixedform">
  <SegmentBlueprint>
    <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" minExamItems="0" maxExamItems="1" idRef="2-W"/>
    <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" minExamItems="0" maxExamItems="1" idRef="2-W|4-11"/>
    <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" minExamItems="1" maxExamItems="1" idRef="SBAC-IAB-FIXED-G11E-Perf-Exp-
Marshmallow-2-ELA-11">
      <ItemSelection>
        <Property name="slope" value="85.8"/>
        <Property name="intercept" value="2508.2"/>
      </ItemSelection>
    </SegmentBlueprintElement>
  </SegmentBlueprint>
</SegmentForms>
<SegmentForm id="IAB-G11E-PT2-2018 ENG" cohort="Default">
  <Presentations>
    <Presentation label="English" code="ENU"/>
    <Presentation label="Braille" code="ENU-Braille"/>
  </Presentations>

```



```

id="62027" type="WER">
  <ItemGroup maxResponses="ALL" maxItems="ALL" id="2025">
    <Stimulus id="2025"/>
    <Item administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" active="true" fieldTest="false"
    <BlueprintReferences>
      <BlueprintReference idRef="SBAC-IAB-FIXED-G11E-Perf-Exp-Marshmallow-2-ELA-11"/>
      <BlueprintReference idRef="2-W"/>
      <BlueprintReference idRef="2-W|4-11"/>
    </BlueprintReferences>
    <ItemScoreDimension dimension="C" scorePoints="2" weight="1.0" measurementModel="IRTGPC">
      <ItemScoreParameter measurementParameter="a" value="0.5691199898719788"/>
      <ItemScoreParameter measurementParameter="b0" value="0.9350799918174744"/>
      <ItemScoreParameter measurementParameter="b1" value="0.9502400159835815"/>
    </ItemScoreDimension>
    <Presentations>
      <Presentation label="English" code="ENU"/>
      <Presentation label="Braille" code="ENU-Braille"/>
    </Presentations>
  </Item>
</ItemGroup>
</SegmentForm>
<SegmentForm id="IAB-G11E-PT2-2018 BRL" cohort="Default-ENU">
  <Presentations>
    <Presentation label="English" code="ENU"/>
    <Presentation label="Braille" code="ENU-Braille"/>
  </Presentations>
  <ItemGroup maxResponses="ALL" maxItems="ALL" id="2025">
    <Stimulus id="2025"/>
    <Item administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" active="true" fieldTest="false"
    <BlueprintReferences>
      <BlueprintReference idRef="SBAC-IAB-FIXED-G11E-Perf-Exp-Marshmallow-2-ELA-11"/>
      <BlueprintReference idRef="2-W"/>
      <BlueprintReference idRef="2-W|4-11"/>
    </BlueprintReferences>
    <ItemScoreDimension dimension="C" scorePoints="2" weight="1.0" measurementModel="IRTGPC">
      <ItemScoreParameter measurementParameter="a" value="0.5691199898719788"/>
      <ItemScoreParameter measurementParameter="b0" value="0.9350799918174744"/>
      <ItemScoreParameter measurementParameter="b1" value="0.9502400159835815"/>
    </ItemScoreDimension>
    <Presentations>
      <Presentation label="English" code="ENU"/>
      <Presentation label="Braille" code="ENU-Braille"/>
    </Presentations>
  </Item>
</ItemGroup>

```

```
        </SegmentForm>
    </SegmentForms>
</Segment>
</Segments>
<Grades>
    <Grade value="11" label="grade 11"/>
</Grades>
<Tools>
    <Tool name="Expandable Passages">
        <Options>
            <Option code="TDS_ExpandablePassages0" sortOrder="0" />
            <Option code="TDS_ExpandablePassages1" sortOrder="1" />
        </Options>
    </Tool>
    <Tool name="Mark for Review">
        <Options>
            <Option code="TDS_MfR0" sortOrder="0" />
            <Option code="TDS_MfR1" sortOrder="1" />
        </Options>
    </Tool>
    <Tool name="Masking">
        <Options>
            <Option code="TDS_Masking0" sortOrder="0" />
            <Option code="TDS_Masking1" sortOrder="1" />
        </Options>
    </Tool>
    <Tool name="American Sign Language">
        <Options>
            <Option code="TDS_ASLE" sortOrder="0" />
            <Option code="TDS_ASLE1" sortOrder="1" />
        </Options>
    </Tool>
    <Tool name="Strikethrough">
        <Options>
            <Option code="TDS_ST0" sortOrder="0" />
            <Option code="TDS_ST1" sortOrder="1" />
        </Options>
    </Tool>
    <Tool name="Streamlined Mode">
        <Options>
            <Option code="TDS_SLM0" sortOrder="0" />
            <Option code="TDS_SLM1" sortOrder="1" />
        </Options>
    </Tool>
    <Tool name="Closed Captioning">
        <Options>
```

```
        <Option code="TDS_ClosedCap0" sortOrder="0" />
        <Option code="TDS_ClosedCap1" sortOrder="1" />
    </Options>
</Tool>
<Tool name="Global Notes">
    <Options>
        <Option code="TDS_GN0" sortOrder="0" />
        <Option code="TDS_GN1" sortOrder="1" />
    </Options>
</Tool>
<Tool name="Student Comments">
    <Options>
        <Option code="TDS_SC0" sortOrder="0" />
        <Option code="TDS_SCNotepad" sortOrder="1" />
    </Options>
</Tool>
<Tool name="Print on Request">
    <Options>
        <Option code="TDS_PoD0" sortOrder="0" />
        <Option code="TDS_PoD_Item" sortOrder="1" />
        <Option code="TDS_PoD_Stim" sortOrder="2" />
        <Option code="TDS_PoD_Stim&TDS_PoD_Item" sortOrder="3" />
    </Options>
</Tool>
<Tool name="Tutorial">
    <Options>
        <Option code="TDS_T0" sortOrder="0" />
        <Option code="TDS_T1" sortOrder="1" />
    </Options>
</Tool>
<Tool name="Highlight">
    <Options>
        <Option code="TDS_Highlight0" sortOrder="0" />
        <Option code="TDS_Highlight1" sortOrder="1" />
    </Options>
</Tool>
</Tools>
</Test>
</TestPackage>
```

ICA Fixed Form Sample XML File

Below is an ELA 6 Performance Test Administration Package which is an example of a fixed form ICA test package in the Enhanced Administration Package Format:

```
<TestPackage publisher="SBAC" publishDate="2017-06-14T18:56:00Z" subject="ELA" type="interim" version="1" bankKey="200" academicYear="2018">
  <Blueprint>
    <BlueprintElement id="SBAC-ICA-FIXED-G6E-COMBINED-2017" type="package">
      <Scoring>
        <PerformanceLevels>
          <PerformanceLevel pLevel="1" scaledLo="2210.0" scaledHi="2457.0"/>
          <PerformanceLevel pLevel="2" scaledLo="2457.0" scaledHi="2531.0"/>
          <PerformanceLevel pLevel="3" scaledLo="2531.0" scaledHi="2618.0"/>
          <PerformanceLevel pLevel="4" scaledLo="2618.0" scaledHi="2724.0"/>
        </PerformanceLevels>
        <Rules>
          <Rule name="SBACTheta" computationOrder="20">
            <Parameter name="LOT" id="933D98F3-34BC-4957-8FAE-0B66CB0AB41E" type="double" position="1">
              <Value value="-3.4785"/>
            </Parameter>
            <Parameter name="HOT" id="11D307FC-7B83-4ECC-AAF8-C5E1445897C8" type="double" position="2">
              <Value value="2.514"/>
            </Parameter>
            <Parameter name="seLimit" id="E766945F-93FF-4671-B21D-ADCEFD802AF3" type="double" position="3">
              <Value value="2.5"/>
            </Parameter>
          </Rule>
          <Rule name="TestPerformanceLevel" computationOrder="35"/>
          <Rule name="ScaleScore" computationOrder="30"/>
          <Rule name="SBACAttemptedness" computationOrder="10">
            <Parameter name="testPart" id="1511FAA2-FB95-4E48-ACA9-7E73AB947D33" type="int" position="1">
              <Property name="indextype" value="string"/>
              <Value value="1" index="SBAC-ICA-FIXED-G6E-COMBINED-ELA-6"/>
              <Value value="2" index="SBAC-ICA-FIXED-G6E-Perf-ImportofNutriA-COMBINED-ELA-6"/>
              <Value value="2" index="SBAC-ICA-FIXED-G6E-Perf-ImportofNutriB-COMBINED-ELA-6"/>
            </Parameter>
          </Rule>
          <Rule name="RawScore" computationOrder="110"/>
          <Rule name="ItemCountScored" computationOrder="100"/>
          <Rule name="ItemCount" computationOrder="90"/>
          <Rule name="SBACAccommodationUseCodes" computationOrder="300">
            <Parameter name="accomNoCodes" id="A04CEA62-7A8C-4C39-859D-CEDA15FAA0AA" type="string" position="1">
              <Property name="indextype" value="string"/>
              <Value value="TDS_PS_L0" index="Print Size"/>
            </Parameter>
          </Rule>
        </Rules>
      </Scoring>
    </BlueprintElement>
  </Blueprint>
</TestPackage>
```

```

    </Rule>
  </Rules>
</Scoring>
<BlueprintElement id="SBAC-ICA-FIXED-G6E-Perf-ImportanceOfNutrition" type="test">
  <BlueprintElement id="SBAC-ICA-FIXED-G6E-Perf-ImportanceofNutritionA-ELA-6" type="segment"/>
  <BlueprintElement id="SBAC-ICA-FIXED-G6E-Perf-ImportanceofNutritionB-ELA-6" type="segment"/>
</BlueprintElement>
<BlueprintElement id="SBAC-ICA-FIXED-G6E-ELA-6" type="test"/>
</BlueprintElement>
<BlueprintElement id="SOCK_R" type="sock">
  <Scoring>
    <Rules>
      <Rule name="MultipleStrandItemCountScored" computationOrder="132">
        <Parameter name="subscales" id="AE57944A-5F49-4849-8744-A0C5A3F3EC10" type="string" position="1">
          <Property name="indextype" value="int"/>
          <Value value="1-IT" index="1"/>
          <Value value="1-LT" index="2"/>
        </Parameter>
      </Rule>
      <Rule name="SEBasedPLWithRounding" computationOrder="82">
        <Parameter name="seMultiple" id="7B19E304-3863-4F12-9A75-E311DD578EC1" type="double" position="1">
          <Value value="1.5"/>
        </Parameter>
        <Parameter name="proficientPerformanceLevel" id="2EE0DDB3-7AD5-495E-B1CE-72D4C2BB1AAC" type="int" position="2">
          <Value value="3"/>
        </Parameter>
        <Parameter name="LOT" id="4363F62B-647C-4831-B334-DA5A1B5EA596" type="double" position="3">
          <Value value="-3.4785"/>
        </Parameter>
        <Parameter name="HOT" id="8191A641-6455-4AAF-840F-FF13BD6E5747" type="double" position="4">
          <Value value="2.514"/>
        </Parameter>
      </Rule>
      <Rule name="ScaleScore" computationOrder="52"/>
      <Rule name="SBACMultiStrandTheta" computationOrder="42">
        <Parameter name="LOT" id="2BA8722F-BA15-42B1-B33B-88BC3578846D" type="double" position="1">
          <Value value="-3.4785"/>
        </Parameter>
        <Parameter name="HOT" id="7BBC58A2-CD87-4543-A9E1-A0EAC9021049" type="double" position="2">
          <Value value="2.514"/>
        </Parameter>
        <Parameter name="seLimit" id="CD0140A4-FF7F-4B7D-946E-688695B29929" type="double" position="3">
          <Value value="2.5"/>
        </Parameter>
        <Parameter name="strands" id="111B0A47-379F-49B2-B704-6D968C64DDCE" type="string" position="4">
          <Property name="indextype" value="int"/>
        </Parameter>
      </Rule>
    </Rules>
  </Scoring>
</BlueprintElement>

```

```

    <Value value="1-IT" index="1"/>
    <Value value="1-LT" index="2"/>
  </Parameter>
</Rule>
<Rule name="MultiStrandRawScore" computationOrder="142">
  <Parameter name="subscales" id="0F564274-3BBC-4A78-A363-71ACFEB12D55" type="string" position="1">
    <Property name="indextype" value="int"/>
    <Value value="1-IT" index="1"/>
    <Value value="1-LT" index="2"/>
  </Parameter>
</Rule>
<Rule name="MultipleStrandItemCount" computationOrder="122">
  <Parameter name="subscales" id="1360E978-9481-4AC6-A5D6-6A0E2042292B" type="string" position="1">
    <Property name="indextype" value="int"/>
    <Value value="1-IT" index="1"/>
    <Value value="1-LT" index="2"/>
  </Parameter>
</Rule>
</Rules>
</Scoring>
</BlueprintElement>
<BlueprintElement id="SOCK_LS" type="sock">
  <Scoring>
    <Rules>
      <Rule name="SEBasedPLWithRounding" computationOrder="83">
        <Parameter name="seMultiple" id="7B19E304-3863-4F12-9A75-E311DD578EC1" type="double" position="1">
          <Value value="1.5"/>
        </Parameter>
        <Parameter name="proficientPerformanceLevel" id="2EE0DDB3-7AD5-495E-B1CE-72D4C2BB1AAC" type="int" position="2">
          <Value value="3"/>
        </Parameter>
        <Parameter name="LOT" id="4363F62B-647C-4831-B334-DA5A1B5EA596" type="double" position="3">
          <Value value="-3.4785"/>
        </Parameter>
        <Parameter name="HOT" id="8191A641-6455-4AAF-840F-FF13BD6E5747" type="double" position="4">
          <Value value="2.514"/>
        </Parameter>
      </Rule>
      <Rule name="MultipleStrandItemCount" computationOrder="123">
        <Parameter name="subscales" id="1360E978-9481-4AC6-A5D6-6A0E2042292B" type="string" position="1">
          <Property name="indextype" value="int"/>
          <Value value="3-L" index="1"/>
          <Value value="3-S" index="2"/>
        </Parameter>
      </Rule>
    </Rules>
  </Scoring>
</BlueprintElement>
<Rule name="SBACMultiStrandTheta" computationOrder="43">

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<Parameter name="LOT" id="2BA8722F-BA15-42B1-B33B-88BC3578846D" type="double" position="1">
  <Value value="-3.4785"/>
</Parameter>
<Parameter name="HOT" id="7BBC58A2-CD87-4543-A9E1-A0EAC9021049" type="double" position="2">
  <Value value="2.514"/>
</Parameter>
<Parameter name="selimit" id="CD0140A4-FF7F-4B7D-946E-688695B29929" type="double" position="3">
  <Value value="2.5"/>
</Parameter>
<Parameter name="strands" id="111B0A47-379F-49B2-B704-6D968C64DDCE" type="string" position="4">
  <Property name="indextype" value="int"/>
  <Value value="3-L" index="1"/>
  <Value value="3-S" index="2"/>
</Parameter>
</Rule>
<Rule name="MultiStrandRawScore" computationOrder="143">
  <Parameter name="subscales" id="0F564274-3BBC-4A78-A363-71ACFEB12D55" type="string" position="1">
    <Property name="indextype" value="int"/>
    <Value value="3-L" index="1"/>
    <Value value="3-S" index="2"/>
  </Parameter>
</Rule>
<Rule name="ScaleScore" computationOrder="53"/>
<Rule name="MultipleStrandItemCountScored" computationOrder="133">
  <Parameter name="subscales" id="AE57944A-5F49-4849-8744-A0C5A3F3EC10" type="string" position="1">
    <Property name="indextype" value="int"/>
    <Value value="3-L" index="1"/>
    <Value value="3-S" index="2"/>
  </Parameter>
</Rule>
</Rules>
</Scoring>
</BlueprintElement>
<BlueprintElement id="2-W" type="claim">
  <Scoring>
    <Rules>
      <Rule name="ItemCount" computationOrder="120"/>
      <Rule name="SEBasedPLWithRounding" computationOrder="80">
        <Parameter name="seMultiple" id="7B19E304-3863-4F12-9A75-E311DD578EC1" type="double" position="1">
          <Value value="1.5"/>
        </Parameter>
        <Parameter name="proficientPerformanceLevel" id="2EE0DDB3-7AD5-495E-B1CE-72D4C2BB1AAC" type="int" position="2">
          <Value value="3"/>
        </Parameter>
        <Parameter name="LOT" id="4363F62B-647C-4831-B334-DA5A1B5EA596" type="double" position="3">
          <Value value="-3.4785"/>
        </Parameter>
      </Rules>
    </Scoring>
  </BlueprintElement>

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    </Parameter>
    <Parameter name="HOT" id="8191A641-6455-4AAF-840F-FF13BD6E5747" type="double" position="4">
      <Value value="2.514"/>
    </Parameter>
  </Rule>
  <Rule name="RawScore" computationOrder="140"/>
  <Rule name="ItemCountScored" computationOrder="130"/>
  <Rule name="ScaleScore" computationOrder="50"/>
  <Rule name="SBACTheta" computationOrder="40">
    <Parameter name="LOT" id="933D98F3-34BC-4957-8FAE-0B66CB0AB41E" type="double" position="1">
      <Value value="-3.4785"/>
    </Parameter>
    <Parameter name="HOT" id="11D307FC-7B83-4ECC-AAF8-C5E1445897C8" type="double" position="2">
      <Value value="2.514"/>
    </Parameter>
    <Parameter name="seLimit" id="E766945F-93FF-4671-B21D-ADCEFD802AF3" type="double" position="3">
      <Value value="2.5"/>
    </Parameter>
  </Rule>
</Rules>
</Scoring>
<BlueprintElement id="2-W|7-6" type="target">
  <BlueprintElement id="2-W|7-6|6.W.1a" type="target"/>
</BlueprintElement>
<BlueprintElement id="2-W|1-6" type="target"/>
<BlueprintElement id="2-W|3-6" type="target"/>
<BlueprintElement id="2-W|8-6" type="target"/>
<BlueprintElement id="2-W|9-6" type="target"/>
</BlueprintElement>
<BlueprintElement id="4-CR" type="claim">
  <Scoring>
    <Rules>
      <Rule name="SEBasedPLWithRounding" computationOrder="81">
        <Parameter name="seMultiple" id="7B19E304-3863-4F12-9A75-E311DD578EC1" type="double" position="1">
          <Value value="1.5"/>
        </Parameter>
        <Parameter name="proficientPerformanceLevel" id="2EE0DDB3-7AD5-495E-B1CE-72D4C2BB1AAC" type="int" position="2">
          <Value value="3"/>
        </Parameter>
        <Parameter name="LOT" id="4363F62B-647C-4831-B334-DA5A1B5EA596" type="double" position="3">
          <Value value="-3.4785"/>
        </Parameter>
        <Parameter name="HOT" id="8191A641-6455-4AAF-840F-FF13BD6E5747" type="double" position="4">
          <Value value="2.514"/>
        </Parameter>
      </Rule>

```



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<Rule name="SBACTheta" computationOrder="41">
  <Parameter name="LOT" id="933D98F3-34BC-4957-8FAE-0B66CB0AB41E" type="double" position="1">
    <Value value="-3.4785"/>
  </Parameter>
  <Parameter name="HOT" id="11D307FC-7B83-4ECC-AAF8-C5E1445897C8" type="double" position="2">
    <Value value="2.514"/>
  </Parameter>
  <Parameter name="seLimit" id="E766945F-93FF-4671-B21D-ADCEFD802AF3" type="double" position="3">
    <Value value="2.5"/>
  </Parameter>
</Rule>
<Rule name="RawScore" computationOrder="141"/>
<Rule name="ItemCount" computationOrder="121"/>
<Rule name="ItemCountScored" computationOrder="131"/>
<Rule name="ScaleScore" computationOrder="51"/>
</Rules>
</Scoring>
<BlueprintElement id="4-CR|3-6" type="target"/>
<BlueprintElement id="4-CR|4-6" type="target">
  <BlueprintElement id="4-CR|4-6|6.W.9a" type="target"/>
</BlueprintElement>
<BlueprintElement id="4-CR|2-6" type="target"/>
</BlueprintElement>
<BlueprintElement id="1-IT" type="claim">
  <BlueprintElement id="1-IT|10-6" type="target"/>
  <BlueprintElement id="1-IT|11-6" type="target"/>
  <BlueprintElement id="1-IT|13-6" type="target"/>
  <BlueprintElement id="1-IT|14-6" type="target"/>
  <BlueprintElement id="1-IT|8-6" type="target"/>
  <BlueprintElement id="1-IT|9-6" type="target"/>
</BlueprintElement>
<BlueprintElement id="1-LT" type="claim">
  <BlueprintElement id="1-LT|2-6" type="target"/>
  <BlueprintElement id="1-LT|3-6" type="target"/>
  <BlueprintElement id="1-LT|4-6" type="target"/>
  <BlueprintElement id="1-LT|5-6" type="target"/>
  <BlueprintElement id="1-LT|6-6" type="target"/>
</BlueprintElement>
<BlueprintElement id="3-L" type="claim">
  <BlueprintElement id="3-L|4-6" type="target"/>
</BlueprintElement>
</Blueprint>
<Test id="SBAC-ICA-FIXED-G6E-Perf-ImportanceOfNutrition" label="Grade 06 ELA Performance Task - Multivitamins (ICA)">
  <Grades>
    <Grade value="6" label="grade 6"/>
  </Grades>

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<Segments>
  <Segment position="1" id="SBAC-ICA-FIXED-G6E-Perf-ImportanceofNutritionA-ELA-6" label="(SBAC)SBAC-ICA-FIXED-G6E-Perf-ImportanceofNutritionA-ELA-6-Winter-2017-2018" algorithmType="fixedform" algorithmImplementation="AIR_FIXEDFORM1">
    <SegmentBlueprint>
      <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="4-CR" minExamItems="0" maxExamItems="3"/>
      <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="4-CR|3-6" minExamItems="0" maxExamItems="3"/>
      <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="4-CR|4-6" minExamItems="0" maxExamItems="3"/>
      <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="4-CR|4-6|6.W.9a" minExamItems="0" maxExamItems="3"/>
      <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="SBAC-ICA-FIXED-G6E-Perf-ImportanceofNutritionA-ELA-6" minExamItems="2" maxExamItems="2">
        <ItemSelection>
          <Property name="slope" value="85.8"/>
          <Property name="intercept" value="2508.2"/>
        </ItemSelection>
      </SegmentBlueprintElement>
    </SegmentBlueprint>
    <SegmentForms>
      <SegmentForm id="ELA ICA Perf G6a 2018 ENG" cohort="Default">
        <Presentations>
          <Presentation label="Braille" code="ENU-Braille"/>
          <Presentation label="English" code="ENU"/>
        </Presentations>
        <ItemGroup maxItems="ALL" maxResponses="ALL" id="1888">
          <Stimulus id="1888"/>
          <Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="true" doNotScore="false" id="56557" type="SA">
            <BlueprintReferences>
              <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-Perf-ImportanceofNutritionA-ELA-6"/>
              <BlueprintReference idRef="4-CR"/>
              <BlueprintReference idRef="4-CR|4-6"/>
              <BlueprintReference idRef="4-CR|4-6|6.W.9a"/>
            </BlueprintReferences>
            <ItemScoreDimension measurementModel="IRTGPC" scorePoints="2" weight="1.0">
              <ItemScoreParameter value="0.8193399906158447" measurementParameter="a"/>
              <ItemScoreParameter value="1.0485199689865112" measurementParameter="b0"/>
              <ItemScoreParameter value="1.427780032157898" measurementParameter="b1"/>
            </ItemScoreDimension>
            <Presentations>
              <Presentation label="Braille" code="ENU-Braille"/>
              <Presentation label="English" code="ENU"/>
            </Presentations>
          </Item>
          <Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="true" doNotScore="false" id="70064" type="SA">
            <BlueprintReferences>
              <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-Perf-ImportanceofNutritionA-ELA-6"/>

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    <BlueprintReference idRef="4-CR"/>
    <BlueprintReference idRef="4-CR|3-6"/>
  </BlueprintReferences>
  <ItemScoreDimension measurementModel="IRTGPC" scorePoints="2" weight="1.0">
    <ItemScoreParameter value="0.7540599703788757" measurementParameter="a"/>
    <ItemScoreParameter value="1.7290899753570557" measurementParameter="b0"/>
    <ItemScoreParameter value="1.7190500497817993" measurementParameter="b1"/>
  </ItemScoreDimension>
  <Presentations>
    <Presentation label="Braille" code="ENU-Braille"/>
    <Presentation label="English" code="ENU"/>
  </Presentations>
</Item>
</ItemGroup>
</SegmentForm>
</SegmentForms>
</Segment>
<Segment position="2" id="SBAC-ICA-FIXED-G6E-Perf-ImportanceofNutritionB-ELA-6" label="(SBAC)SBAC-ICA-FIXED-G6E-Perf-ImportanceofNutritionB-ELA-6-Winter-2017-2018" algorithmType="fixedForm" algorithmImplementation="AIR FIXEDFORM1">
  <SegmentBlueprint>
    <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="2-W" minExamItems="0" maxExamItems="1"/>
    <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="2-W|7-6" minExamItems="0" maxExamItems="1"/>
    <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="2-W|7-6|6.W.1a" minExamItems="0" maxExamItems="1"/>
    <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="SBAC-ICA-FIXED-G6E-Perf-ImportanceofNutritionB-ELA-6" minExamItems="1"
maxExamItems="1">
      <ItemSelection>
        <Property name="slope" value="85.8"/>
        <Property name="intercept" value="2508.2"/>
      </ItemSelection>
    </SegmentBlueprintElement>
  </SegmentBlueprint>
  <SegmentForms>
    <SegmentForm id="ELA ICA Perf G6b 2018 ENG" cohort="Default">
      <Presentations>
        <Presentation label="Braille" code="ENU-Braille"/>
        <Presentation label="English" code="ENU"/>
      </Presentations>
      <ItemGroup maxItems="ALL" maxResponses="ALL" id="1888">
        <Stimulus id="1888"/>
        <Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="true" doNotScore="false" id="56561"
type="WER">
          <BlueprintReferences>
            <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-Perf-ImportanceofNutritionB-ELA-6"/>
            <BlueprintReference idRef="2-W"/>
            <BlueprintReference idRef="2-W|7-6"/>
            <BlueprintReference idRef="2-W|7-6|6.W.1a"/>
          </BlueprintReferences>

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</BlueprintReferences>
<ItemScoreDimension measurementModel="IRTGPC" scorePoints="2" weight="1.0" dimension="C">
  <ItemScoreParameter value="1.211380048828125" measurementParameter="a"/>
  <ItemScoreParameter value="-0.6540700197219849" measurementParameter="b0"/>
  <ItemScoreParameter value="0.11836999654769897" measurementParameter="b1"/>
</ItemScoreDimension>
<Presentations>
  <Presentation label="Braille" code="ENU-Braille"/>
  <Presentation label="English" code="ENU"/>
</Presentations>
</Item>
</ItemGroup>
</SegmentForm>
</SegmentForms>
</Segment>
</Segments>
</Test>
<Test id="SBAC-ICA-FIXED-G6E-ELA-6" label="Grade 06 ELA Interim Test (ICA)">
  <Grades>
    <Grade value="6" label="grade 6"/>
  </Grades>
  <Segments>
    <Segment position="1" id="SBAC-ICA-FIXED-G6E-ELA-6" label="(SBAC)SBAC-ICA-FIXED-G6E-ELA-6-Winter-2017-2018" algorithmType="fixedform"
algorithmImplementation="AIR_FIXEDFORM1">
      <SegmentBlueprint>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="1-IT" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="1-LT" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="2-W" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="3-L" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="4-CR" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="1-IT|10-6" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="1-IT|11-6" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="1-IT|13-6" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="1-IT|14-6" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="1-IT|8-6" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="1-IT|9-6" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="1-LT|2-6" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="1-LT|3-6" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="1-LT|4-6" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="1-LT|5-6" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="1-LT|6-6" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="2-W|1-6" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="2-W|3-6" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="2-W|8-6" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="2-W|9-6" minExamItems="0" maxExamItems="45"/>
        <SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="3-L|4-6" minExamItems="0" maxExamItems="45"/>
      </SegmentBlueprint>
    </Segment>
  </Segments>
</Test>

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<SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="4-CR|2-6" minExamItems="0" maxExamItems="45"/>
<SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="4-CR|3-6" minExamItems="0" maxExamItems="45"/>
<SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="4-CR|4-6" minExamItems="0" maxExamItems="45"/>
<SegmentBlueprintElement minFieldTestItems="0" maxFieldTestItems="0" idRef="SBAC-ICA-FIXED-G6E-ELA-6" minExamItems="45" maxExamItems="45">
  <ItemSelection>
    <Property name="slope" value="85.8"/>
    <Property name="intercept" value="2508.2"/>
  </ItemSelection>
</SegmentBlueprintElement>
</SegmentBlueprint>
<SegmentForms>
  <SegmentForm id="ELA ICA G6 2018 ENG" cohort="Default">
    <Presentations>
      <Presentation label="Braille" code="ENU-Braille"/>
      <Presentation label="English" code="ENU"/>
    </Presentations>
    <ItemGroup maxItems="ALL" maxResponses="0" id="46849">
      <Item active="true" fieldTest="false" administrationRequired="true" responseRequired="true" handScored="false" doNotScore="false" id="46849"
type="MC">
        <BlueprintReferences>
          <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
          <BlueprintReference idRef="2-W"/>
          <BlueprintReference idRef="2-W|8-6"/>
        </BlueprintReferences>
        <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
          <ItemScoreParameter value="0.922950029373169" measurementParameter="a"/>
          <ItemScoreParameter value="-1.927109956741333" measurementParameter="b"/>
          <ItemScoreParameter value="0.0" measurementParameter="c"/>
        </ItemScoreDimension>
        <Presentations>
          <Presentation label="Braille" code="ENU-Braille"/>
          <Presentation label="English" code="ENU"/>
        </Presentations>
      </Item>
    </ItemGroup>
    <ItemGroup maxItems="ALL" maxResponses="0" id="41340">
      <Item active="true" fieldTest="false" administrationRequired="true" responseRequired="true" handScored="false" doNotScore="false" id="41340"
type="MC">
        <BlueprintReferences>
          <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
          <BlueprintReference idRef="4-CR"/>
          <BlueprintReference idRef="4-CR|2-6"/>
        </BlueprintReferences>
        <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
          <ItemScoreParameter value="0.6435199975967407" measurementParameter="a"/>
          <ItemScoreParameter value="-0.49959999322891235" measurementParameter="b"/>

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    <ItemScoreParameter value="0.0" measurementParameter="c"/>
  </ItemScoreDimension>
  <Presentations>
    <Presentation label="Braille" code="ENU-Braille"/>
    <Presentation label="English" code="ENU"/>
  </Presentations>
</Item>
</ItemGroup>
<ItemGroup maxItems="ALL" maxResponses="0" id="45960">
  <Item active="true" fieldTest="false" administrationRequired="true" responseRequired="true" handScored="false" doNotScore="false" id="45960"
type="MC">
    <BlueprintReferences>
      <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
      <BlueprintReference idRef="2-W"/>
      <BlueprintReference idRef="2-W|9-6"/>
    </BlueprintReferences>
    <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
      <ItemScoreParameter value="0.6062399744987488" measurementParameter="a"/>
      <ItemScoreParameter value="-1.8554500341415405" measurementParameter="b"/>
      <ItemScoreParameter value="0.0" measurementParameter="c"/>
    </ItemScoreDimension>
    <Presentations>
      <Presentation label="Braille" code="ENU-Braille"/>
      <Presentation label="English" code="ENU"/>
    </Presentations>
  </Item>
</ItemGroup>
<ItemGroup maxItems="ALL" maxResponses="ALL" id="1175">
  <Stimulus id="1175"/>
  <Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="37113"
type="HTQ">
    <BlueprintReferences>
      <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
      <BlueprintReference idRef="1-IT"/>
      <BlueprintReference idRef="1-IT|8-6"/>
    </BlueprintReferences>
    <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
      <ItemScoreParameter value="0.711899995803833" measurementParameter="a"/>
      <ItemScoreParameter value="-0.4957300126552582" measurementParameter="b"/>
      <ItemScoreParameter value="0.0" measurementParameter="c"/>
    </ItemScoreDimension>
    <Presentations>
      <Presentation label="Braille" code="ENU-Braille"/>
      <Presentation label="English" code="ENU"/>
    </Presentations>
  </Item>

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type="EBSR">
  <Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="37115"
    <BlueprintReferences>
      <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
      <BlueprintReference idRef="1-IT"/>
      <BlueprintReference idRef="1-IT|9-6"/>
    </BlueprintReferences>
    <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
      <ItemScoreParameter value="0.9812300205230713" measurementParameter="a"/>
      <ItemScoreParameter value="-0.20586000382900238" measurementParameter="b"/>
      <ItemScoreParameter value="0.0" measurementParameter="c"/>
    </ItemScoreDimension>
    <Presentations>
      <Presentation label="Braille" code="ENU-Braille"/>
      <Presentation label="English" code="ENU"/>
    </Presentations>
  </Item>
type="MC">
  <Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="58821"
    <BlueprintReferences>
      <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
      <BlueprintReference idRef="1-IT"/>
      <BlueprintReference idRef="1-IT|14-6"/>
    </BlueprintReferences>
    <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
      <ItemScoreParameter value="0.5145599842071533" measurementParameter="a"/>
      <ItemScoreParameter value="0.3761399984359741" measurementParameter="b"/>
      <ItemScoreParameter value="0.0" measurementParameter="c"/>
    </ItemScoreDimension>
    <Presentations>
      <Presentation label="Braille" code="ENU-Braille"/>
      <Presentation label="English" code="ENU"/>
    </Presentations>
  </Item>
type="MS">
  <Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="37117"
    <BlueprintReferences>
      <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
      <BlueprintReference idRef="1-IT"/>
      <BlueprintReference idRef="1-IT|10-6"/>
    </BlueprintReferences>
    <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
      <ItemScoreParameter value="0.42048999667167664" measurementParameter="a"/>
      <ItemScoreParameter value="1.1564899682998657" measurementParameter="b"/>
      <ItemScoreParameter value="0.0" measurementParameter="c"/>
    </ItemScoreDimension>

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    <Presentations>
      <Presentation label="Braille" code="ENU-Braille"/>
      <Presentation label="English" code="ENU"/>
    </Presentations>
  </Item>
</ItemGroup>
<ItemGroup maxItems="ALL" maxResponses="0" id="58239">
  <Item active="true" fieldTest="false" administrationRequired="true" responseRequired="true" handScored="false" doNotScore="false" id="58239"
type="MC">
    <BlueprintReferences>
      <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
      <BlueprintReference idRef="2-W"/>
      <BlueprintReference idRef="2-W|1-6"/>
    </BlueprintReferences>
    <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
      <ItemScoreParameter value="0.8944299817085266" measurementParameter="a"/>
      <ItemScoreParameter value="-0.7108500003814697" measurementParameter="b"/>
      <ItemScoreParameter value="0.0" measurementParameter="c"/>
    </ItemScoreDimension>
    <Presentations>
      <Presentation label="Braille" code="ENU-Braille"/>
      <Presentation label="English" code="ENU"/>
    </Presentations>
  </Item>
</ItemGroup>
<ItemGroup maxItems="ALL" maxResponses="ALL" id="1081">
  <Stimulus id="1081"/>
  <Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="35418"
type="MC">
    <BlueprintReferences>
      <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
      <BlueprintReference idRef="3-L"/>
      <BlueprintReference idRef="3-L|4-6"/>
    </BlueprintReferences>
    <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
      <ItemScoreParameter value="0.3444100022315979" measurementParameter="a"/>
      <ItemScoreParameter value="-1.1092499494552612" measurementParameter="b"/>
      <ItemScoreParameter value="0.0" measurementParameter="c"/>
    </ItemScoreDimension>
    <Presentations>
      <Presentation label="Braille" code="ENU-Braille"/>
      <Presentation label="English" code="ENU"/>
    </Presentations>
  </Item>
  <Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="35421"
type="MI">

```



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<BlueprintReferences>
  <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
  <BlueprintReference idRef="3-L"/>
  <BlueprintReference idRef="3-L|4-6"/>
</BlueprintReferences>
<ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
  <ItemScoreParameter value="0.7599999904632568" measurementParameter="a"/>
  <ItemScoreParameter value="-0.3429200053215027" measurementParameter="b"/>
  <ItemScoreParameter value="0.0" measurementParameter="c"/>
</ItemScoreDimension>
<Presentations>
  <Presentation label="Braille" code="ENU-Braille"/>
  <Presentation label="English" code="ENU"/>
</Presentations>
</Item>
type="EBSR">
<Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="37321"
  <BlueprintReferences>
    <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
    <BlueprintReference idRef="3-L"/>
    <BlueprintReference idRef="3-L|4-6"/>
  </BlueprintReferences>
  <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
    <ItemScoreParameter value="0.4512700140476227" measurementParameter="a"/>
    <ItemScoreParameter value="1.8636000156402588" measurementParameter="b"/>
    <ItemScoreParameter value="0.0" measurementParameter="c"/>
  </ItemScoreDimension>
  <Presentations>
    <Presentation label="Braille" code="ENU-Braille"/>
    <Presentation label="English" code="ENU"/>
  </Presentations>
</Item>
</ItemGroup>
<ItemGroup maxItems="ALL" maxResponses="0" id="44973">
  type="HTQ">
  <Item active="true" fieldTest="false" administrationRequired="true" responseRequired="true" handScored="false" doNotScore="false" id="44973"
    <BlueprintReferences>
      <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
      <BlueprintReference idRef="4-CR"/>
      <BlueprintReference idRef="4-CR|4-6"/>
    </BlueprintReferences>
    <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
      <ItemScoreParameter value="0.9446700215339661" measurementParameter="a"/>
      <ItemScoreParameter value="-0.3443799912929535" measurementParameter="b"/>
      <ItemScoreParameter value="0.0" measurementParameter="c"/>
    </ItemScoreDimension>
  </Item>
</ItemGroup>

```

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    <Presentations>
      <Presentation label="Braille" code="ENU-Braille"/>
      <Presentation label="English" code="ENU"/>
    </Presentations>
  </Item>
</ItemGroup>
<ItemGroup maxItems="ALL" maxResponses="0" id="36357">
  <Item active="true" fieldTest="false" administrationRequired="true" responseRequired="true" handScored="false" doNotScore="false" id="36357"
type="MC">
    <BlueprintReferences>
      <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
      <BlueprintReference idRef="2-W"/>
      <BlueprintReference idRef="2-W|9-6"/>
    </BlueprintReferences>
    <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
      <ItemScoreParameter value="0.46219000220298767" measurementParameter="a"/>
      <ItemScoreParameter value="-0.855430006980896" measurementParameter="b"/>
      <ItemScoreParameter value="0.0" measurementParameter="c"/>
    </ItemScoreDimension>
    <Presentations>
      <Presentation label="Braille" code="ENU-Braille"/>
      <Presentation label="English" code="ENU"/>
    </Presentations>
  </Item>
</ItemGroup>
<ItemGroup maxItems="ALL" maxResponses="ALL" id="1692">
  <Stimulus id="1692"/>
  <Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="53850"
type="MC">
    <BlueprintReferences>
      <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
      <BlueprintReference idRef="1-LT"/>
      <BlueprintReference idRef="1-LT|6-6"/>
    </BlueprintReferences>
    <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
      <ItemScoreParameter value="0.43230000138282776" measurementParameter="a"/>
      <ItemScoreParameter value="-0.535290002822876" measurementParameter="b"/>
      <ItemScoreParameter value="0.0" measurementParameter="c"/>
    </ItemScoreDimension>
    <Presentations>
      <Presentation label="Braille" code="ENU-Braille"/>
      <Presentation label="English" code="ENU"/>
    </Presentations>
  </Item>
<Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="52500"
type="MC">

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<BlueprintReferences>
  <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
  <BlueprintReference idRef="1-LT"/>
  <BlueprintReference idRef="1-LT|3-6"/>
</BlueprintReferences>
<ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
  <ItemScoreParameter value="0.4336099922657013" measurementParameter="a"/>
  <ItemScoreParameter value="-0.17600999772548676" measurementParameter="b"/>
  <ItemScoreParameter value="0.0" measurementParameter="c"/>
</ItemScoreDimension>
<Presentations>
  <Presentation label="Braille" code="ENU-Braille"/>
  <Presentation label="English" code="ENU"/>
</Presentations>
</Item>
<Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="52498"

```

type="MC">

```

  <BlueprintReferences>
    <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
    <BlueprintReference idRef="1-LT"/>
    <BlueprintReference idRef="1-LT|3-6"/>
  </BlueprintReferences>
  <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
    <ItemScoreParameter value="0.5470899939537048" measurementParameter="a"/>
    <ItemScoreParameter value="0.037700001150369644" measurementParameter="b"/>
    <ItemScoreParameter value="0.0" measurementParameter="c"/>
  </ItemScoreDimension>
  <Presentations>
    <Presentation label="Braille" code="ENU-Braille"/>
    <Presentation label="English" code="ENU"/>
  </Presentations>
</Item>
<Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="53858"

```

type="MC">

```

  <BlueprintReferences>
    <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
    <BlueprintReference idRef="1-LT"/>
    <BlueprintReference idRef="1-LT|5-6"/>
  </BlueprintReferences>
  <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
    <ItemScoreParameter value="0.3552800118923187" measurementParameter="a"/>
    <ItemScoreParameter value="0.1764499992132187" measurementParameter="b"/>
    <ItemScoreParameter value="0.0" measurementParameter="c"/>
  </ItemScoreDimension>
  <Presentations>
    <Presentation label="Braille" code="ENU-Braille"/>

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    <Presentation label="English" code="ENU"/>
  </Presentations>
</Item>
type="HTQ">
<Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="52618"
  <BlueprintReferences>
    <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
    <BlueprintReference idRef="1-LT"/>
    <BlueprintReference idRef="1-LT|4-6"/>
  </BlueprintReferences>
  <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
    <ItemScoreParameter value="0.5529199838638306" measurementParameter="a"/>
    <ItemScoreParameter value="3.0470399856567383" measurementParameter="b"/>
    <ItemScoreParameter value="0.0" measurementParameter="c"/>
  </ItemScoreDimension>
  <Presentations>
    <Presentation label="Braille" code="ENU-Braille"/>
    <Presentation label="English" code="ENU"/>
  </Presentations>
</Item>
</ItemGroup>
type="MC">
<ItemGroup maxItems="ALL" maxResponses="0" id="29321">
  <Item active="true" fieldTest="false" administrationRequired="true" responseRequired="true" handScored="false" doNotScore="false" id="29321"
    <BlueprintReferences>
      <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
      <BlueprintReference idRef="2-W"/>
      <BlueprintReference idRef="2-W|9-6"/>
    </BlueprintReferences>
    <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
      <ItemScoreParameter value="0.43015000224113464" measurementParameter="a"/>
      <ItemScoreParameter value="-0.38405001163482666" measurementParameter="b"/>
      <ItemScoreParameter value="0.0" measurementParameter="c"/>
    </ItemScoreDimension>
    <Presentations>
      <Presentation label="Braille" code="ENU-Braille"/>
      <Presentation label="English" code="ENU"/>
    </Presentations>
  </Item>
</ItemGroup>
type="MC">
<ItemGroup maxItems="ALL" maxResponses="ALL" id="958">
  <Stimulus id="958"/>
  <Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="32478"
    <BlueprintReferences>
      <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>

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    <BlueprintReference idRef="3-L"/>
    <BlueprintReference idRef="3-L|4-6"/>
  </BlueprintReferences>
  <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
    <ItemScoreParameter value="0.4222800135612488" measurementParameter="a"/>
    <ItemScoreParameter value="-0.013399999588727951" measurementParameter="b"/>
    <ItemScoreParameter value="0.0" measurementParameter="c"/>
  </ItemScoreDimension>
  <Presentations>
    <Presentation label="Braille" code="ENU-Braille"/>
    <Presentation label="English" code="ENU"/>
  </Presentations>
</Item>
<Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="32474"
type="MC">
  <BlueprintReferences>
    <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
    <BlueprintReference idRef="3-L"/>
    <BlueprintReference idRef="3-L|4-6"/>
  </BlueprintReferences>
  <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
    <ItemScoreParameter value="0.7635400295257568" measurementParameter="a"/>
    <ItemScoreParameter value="0.34358999133110046" measurementParameter="b"/>
    <ItemScoreParameter value="0.0" measurementParameter="c"/>
  </ItemScoreDimension>
  <Presentations>
    <Presentation label="Braille" code="ENU-Braille"/>
    <Presentation label="English" code="ENU"/>
  </Presentations>
</Item>
<Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="32476"
type="EBSR">
  <BlueprintReferences>
    <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
    <BlueprintReference idRef="3-L"/>
    <BlueprintReference idRef="3-L|4-6"/>
  </BlueprintReferences>
  <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
    <ItemScoreParameter value="0.6384400129318237" measurementParameter="a"/>
    <ItemScoreParameter value="0.8782100081443787" measurementParameter="b"/>
    <ItemScoreParameter value="0.0" measurementParameter="c"/>
  </ItemScoreDimension>
  <Presentations>
    <Presentation label="Braille" code="ENU-Braille"/>
    <Presentation label="English" code="ENU"/>
  </Presentations>

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    </Item>
  </ItemGroup>
  <ItemGroup maxItems="ALL" maxResponses="0" id="37307">
    <Item active="true" fieldTest="false" administrationRequired="true" responseRequired="true" handScored="false" doNotScore="false" id="37307"
type="HTQ">
      <BlueprintReferences>
        <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
        <BlueprintReference idRef="4-CR"/>
        <BlueprintReference idRef="4-CR|2-6"/>
      </BlueprintReferences>
      <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
        <ItemScoreParameter value="0.4582799971103668" measurementParameter="a"/>
        <ItemScoreParameter value="0.03540999814867973" measurementParameter="b"/>
        <ItemScoreParameter value="0.0" measurementParameter="c"/>
      </ItemScoreDimension>
      <Presentations>
        <Presentation label="Braille" code="ENU-Braille"/>
        <Presentation label="English" code="ENU"/>
      </Presentations>
    </Item>
  </ItemGroup>
  <ItemGroup maxItems="ALL" maxResponses="0" id="27511">
    <Item active="true" fieldTest="false" administrationRequired="true" responseRequired="true" handScored="false" doNotScore="false" id="27511"
type="MC">
      <BlueprintReferences>
        <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
        <BlueprintReference idRef="2-W"/>
        <BlueprintReference idRef="2-W|3-6"/>
      </BlueprintReferences>
      <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
        <ItemScoreParameter value="0.3684900104999542" measurementParameter="a"/>
        <ItemScoreParameter value="0.1561100035905838" measurementParameter="b"/>
        <ItemScoreParameter value="0.0" measurementParameter="c"/>
      </ItemScoreDimension>
      <Presentations>
        <Presentation label="Braille" code="ENU-Braille"/>
        <Presentation label="English" code="ENU"/>
      </Presentations>
    </Item>
  </ItemGroup>
  <ItemGroup maxItems="ALL" maxResponses="ALL" id="877">
    <Stimulus id="877"/>
    <Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="37433"
type="MC">
      <BlueprintReferences>
        <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>

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    <BlueprintReference idRef="1-LT"/>
    <BlueprintReference idRef="1-LT|3-6"/>
  </BlueprintReferences>
  <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
    <ItemScoreParameter value="0.6109899878501892" measurementParameter="a"/>
    <ItemScoreParameter value="-0.26677000522613525" measurementParameter="b"/>
    <ItemScoreParameter value="0.0" measurementParameter="c"/>
  </ItemScoreDimension>
  <Presentations>
    <Presentation label="Braille" code="ENU-Braille"/>
    <Presentation label="English" code="ENU"/>
  </Presentations>
</Item>
<Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="32448"
type="HTQ">
  <BlueprintReferences>
    <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
    <BlueprintReference idRef="1-LT"/>
    <BlueprintReference idRef="1-LT|2-6"/>
  </BlueprintReferences>
  <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
    <ItemScoreParameter value="0.34672999382019043" measurementParameter="a"/>
    <ItemScoreParameter value="-0.12714999914169312" measurementParameter="b"/>
    <ItemScoreParameter value="0.0" measurementParameter="c"/>
  </ItemScoreDimension>
  <Presentations>
    <Presentation label="Braille" code="ENU-Braille"/>
    <Presentation label="English" code="ENU"/>
  </Presentations>
</Item>
<Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="37435"
type="MC">
  <BlueprintReferences>
    <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
    <BlueprintReference idRef="1-LT"/>
    <BlueprintReference idRef="1-LT|6-6"/>
  </BlueprintReferences>
  <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
    <ItemScoreParameter value="0.4582900106906891" measurementParameter="a"/>
    <ItemScoreParameter value="0.2901099920272827" measurementParameter="b"/>
    <ItemScoreParameter value="0.0" measurementParameter="c"/>
  </ItemScoreDimension>
  <Presentations>
    <Presentation label="Braille" code="ENU-Braille"/>
    <Presentation label="English" code="ENU"/>
  </Presentations>

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    </Item>
    <Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="true" doNotScore="false" id="31075"
type="SA">
      <BlueprintReferences>
        <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
        <BlueprintReference idRef="1-LT"/>
        <BlueprintReference idRef="1-LT|2-6"/>
      </BlueprintReferences>
      <ItemScoreDimension measurementModel="IRTGPC" scorePoints="2" weight="1.0">
        <ItemScoreParameter value="0.5985299944877625" measurementParameter="a"/>
        <ItemScoreParameter value="1.0836600065231323" measurementParameter="b0"/>
        <ItemScoreParameter value="2.2436599731445312" measurementParameter="b1"/>
      </ItemScoreDimension>
      <Presentations>
        <Presentation label="Braille" code="ENU-Braille"/>
        <Presentation label="English" code="ENU"/>
      </Presentations>
    </Item>
  </ItemGroup>
  <ItemGroup maxItems="ALL" maxResponses="0" id="36405">
    <Item active="true" fieldTest="false" administrationRequired="true" responseRequired="true" handScored="false" doNotScore="false" id="36405"
type="MS">
      <BlueprintReferences>
        <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
        <BlueprintReference idRef="2-W"/>
        <BlueprintReference idRef="2-W|8-6"/>
      </BlueprintReferences>
      <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
        <ItemScoreParameter value="0.8460800051689148" measurementParameter="a"/>
        <ItemScoreParameter value="0.2981500029563904" measurementParameter="b"/>
        <ItemScoreParameter value="0.0" measurementParameter="c"/>
      </ItemScoreDimension>
      <Presentations>
        <Presentation label="Braille" code="ENU-Braille"/>
        <Presentation label="English" code="ENU"/>
      </Presentations>
    </Item>
  </ItemGroup>
  <ItemGroup maxItems="ALL" maxResponses="ALL" id="568">
    <Stimulus id="568"/>
    <Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="25303"
type="MC">
      <BlueprintReferences>
        <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
        <BlueprintReference idRef="3-L"/>
        <BlueprintReference idRef="3-L|4-6"/>

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    </BlueprintReferences>
    <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
      <ItemScoreParameter value="0.3564299941062927" measurementParameter="a"/>
      <ItemScoreParameter value="-0.16731999814510345" measurementParameter="b"/>
      <ItemScoreParameter value="0.0" measurementParameter="c"/>
    </ItemScoreDimension>
    <Presentations>
      <Presentation label="Braille" code="ENU-Braille"/>
      <Presentation label="English" code="ENU"/>
    </Presentations>
  </Item>
  <Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="25305"
type="MC">
    <BlueprintReferences>
      <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
      <BlueprintReference idRef="3-L"/>
      <BlueprintReference idRef="3-L|4-6"/>
    </BlueprintReferences>
    <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
      <ItemScoreParameter value="0.17117999494075775" measurementParameter="a"/>
      <ItemScoreParameter value="1.0774400234222412" measurementParameter="b"/>
      <ItemScoreParameter value="0.0" measurementParameter="c"/>
    </ItemScoreDimension>
    <Presentations>
      <Presentation label="Braille" code="ENU-Braille"/>
      <Presentation label="English" code="ENU"/>
    </Presentations>
  </Item>
  <Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="25307"
type="MS">
    <BlueprintReferences>
      <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
      <BlueprintReference idRef="3-L"/>
      <BlueprintReference idRef="3-L|4-6"/>
    </BlueprintReferences>
    <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
      <ItemScoreParameter value="0.8396700024604797" measurementParameter="a"/>
      <ItemScoreParameter value="0.6927800178527832" measurementParameter="b"/>
      <ItemScoreParameter value="0.0" measurementParameter="c"/>
    </ItemScoreDimension>
    <Presentations>
      <Presentation label="Braille" code="ENU-Braille"/>
      <Presentation label="English" code="ENU"/>
    </Presentations>
  </Item>
</ItemGroup>

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type="MC">
  <ItemGroup maxItems="ALL" maxResponses="0" id="30482">
    <Item active="true" fieldTest="false" administrationRequired="true" responseRequired="true" handScored="false" doNotScore="false" id="30482">
      <BlueprintReferences>
        <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
        <BlueprintReference idRef="4-CR"/>
        <BlueprintReference idRef="4-CR|3-6"/>
      </BlueprintReferences>
      <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
        <ItemScoreParameter value="0.41644999384880066" measurementParameter="a"/>
        <ItemScoreParameter value="0.3091700077056885" measurementParameter="b"/>
        <ItemScoreParameter value="0.0" measurementParameter="c"/>
      </ItemScoreDimension>
      <Presentations>
        <Presentation label="Braille" code="ENU-Braille"/>
        <Presentation label="English" code="ENU"/>
      </Presentations>
    </Item>
  </ItemGroup>
type="HTQ">
  <ItemGroup maxItems="ALL" maxResponses="0" id="32214">
    <Item active="true" fieldTest="false" administrationRequired="true" responseRequired="true" handScored="false" doNotScore="false" id="32214">
      <BlueprintReferences>
        <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
        <BlueprintReference idRef="2-W"/>
        <BlueprintReference idRef="2-W|9-6"/>
      </BlueprintReferences>
      <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
        <ItemScoreParameter value="0.6598700284957886" measurementParameter="a"/>
        <ItemScoreParameter value="0.9365900158882141" measurementParameter="b"/>
        <ItemScoreParameter value="0.0" measurementParameter="c"/>
      </ItemScoreDimension>
      <Presentations>
        <Presentation label="Braille" code="ENU-Braille"/>
        <Presentation label="English" code="ENU"/>
      </Presentations>
    </Item>
  </ItemGroup>
type="SA">
  <ItemGroup maxItems="ALL" maxResponses="ALL" id="1164">
    <Stimulus id="1164"/>
    <Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="true" doNotScore="false" id="36951">
      <BlueprintReferences>
        <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
        <BlueprintReference idRef="1-IT"/>
        <BlueprintReference idRef="1-IT|9-6"/>
      </BlueprintReferences>
    </Item>
  </ItemGroup>

```

```

</BlueprintReferences>
<ItemScoreDimension measurementModel="IRTGPC" scorePoints="2" weight="1.0">
  <ItemScoreParameter value="0.6753900051116943" measurementParameter="a"/>
  <ItemScoreParameter value="1.201069951057434" measurementParameter="b0"/>
  <ItemScoreParameter value="2.6856300830841064" measurementParameter="b1"/>
</ItemScoreDimension>
<Presentations>
  <Presentation label="Braille" code="ENU-Braille"/>
  <Presentation label="English" code="ENU"/>
</Presentations>
</Item>
<Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="36947"
type="MS">
  <BlueprintReferences>
    <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
    <BlueprintReference idRef="1-IT"/>
    <BlueprintReference idRef="1-IT|8-6"/>
  </BlueprintReferences>
  <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
    <ItemScoreParameter value="0.32971999049186707" measurementParameter="a"/>
    <ItemScoreParameter value="2.652820110321045" measurementParameter="b"/>
    <ItemScoreParameter value="0.0" measurementParameter="c"/>
  </ItemScoreDimension>
  <Presentations>
    <Presentation label="Braille" code="ENU-Braille"/>
    <Presentation label="English" code="ENU"/>
  </Presentations>
</Item>
<Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="58717"
type="MC">
  <BlueprintReferences>
    <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
    <BlueprintReference idRef="1-IT"/>
    <BlueprintReference idRef="1-IT|14-6"/>
  </BlueprintReferences>
  <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
    <ItemScoreParameter value="0.9799100160598755" measurementParameter="a"/>
    <ItemScoreParameter value="-0.6197599768638611" measurementParameter="b"/>
    <ItemScoreParameter value="0.0" measurementParameter="c"/>
  </ItemScoreDimension>
  <Presentations>
    <Presentation label="Braille" code="ENU-Braille"/>
    <Presentation label="English" code="ENU"/>
  </Presentations>
</Item>
<Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="36963"

```

```

type="MC">
  <BlueprintReferences>
    <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
    <BlueprintReference idRef="1-IT"/>
    <BlueprintReference idRef="1-IT|13-6"/>
  </BlueprintReferences>
  <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
    <ItemScoreParameter value="0.4841800034046173" measurementParameter="a"/>
    <ItemScoreParameter value="0.09876000136137009" measurementParameter="b"/>
    <ItemScoreParameter value="0.0" measurementParameter="c"/>
  </ItemScoreDimension>
  <Presentations>
    <Presentation label="Braille" code="ENU-Braille"/>
    <Presentation label="English" code="ENU"/>
  </Presentations>
</Item>
</ItemGroup>
<ItemGroup maxItems="ALL" maxResponses="0" id="33244">
  <Item active="true" fieldTest="false" administrationRequired="true" responseRequired="true" handScored="true" doNotScore="false" id="33244"
type="SA">
  <BlueprintReferences>
    <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
    <BlueprintReference idRef="2-W"/>
    <BlueprintReference idRef="2-W|1-6"/>
  </BlueprintReferences>
  <ItemScoreDimension measurementModel="IRTGPC" scorePoints="2" weight="1.0">
    <ItemScoreParameter value="0.7210100293159485" measurementParameter="a"/>
    <ItemScoreParameter value="0.385670006275177" measurementParameter="b0"/>
    <ItemScoreParameter value="1.8433899879455566" measurementParameter="b1"/>
  </ItemScoreDimension>
  <Presentations>
    <Presentation label="Braille" code="ENU-Braille"/>
    <Presentation label="English" code="ENU"/>
  </Presentations>
</Item>
</ItemGroup>
<ItemGroup maxItems="ALL" maxResponses="0" id="30973">
  <Item active="true" fieldTest="false" administrationRequired="true" responseRequired="true" handScored="false" doNotScore="false" id="30973"
type="HTQ">
  <BlueprintReferences>
    <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
    <BlueprintReference idRef="4-CR"/>
    <BlueprintReference idRef="4-CR|4-6"/>
  </BlueprintReferences>
  <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
    <ItemScoreParameter value="0.9556999802589417" measurementParameter="a"/>

```

```

        <ItemScoreParameter value="0.7146700024604797" measurementParameter="b"/>
        <ItemScoreParameter value="0.0" measurementParameter="c"/>
    </ItemScoreDimension>
    <Presentations>
        <Presentation label="Braille" code="ENU-Braille"/>
        <Presentation label="English" code="ENU"/>
    </Presentations>
</Item>
</ItemGroup>
<ItemGroup maxItems="ALL" maxResponses="0" id="52424">
    <Item active="true" fieldTest="false" administrationRequired="true" responseRequired="true" handScored="false" doNotScore="false" id="52424"
type="MS">
        <BlueprintReferences>
            <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
            <BlueprintReference idRef="2-W"/>
            <BlueprintReference idRef="2-W|8-6"/>
        </BlueprintReferences>
        <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
            <ItemScoreParameter value="0.3297500014305115" measurementParameter="a"/>
            <ItemScoreParameter value="2.460439920425415" measurementParameter="b"/>
            <ItemScoreParameter value="0.0" measurementParameter="c"/>
        </ItemScoreDimension>
        <Presentations>
            <Presentation label="Braille" code="ENU-Braille"/>
            <Presentation label="English" code="ENU"/>
        </Presentations>
    </Item>
</ItemGroup>
<ItemGroup maxItems="ALL" maxResponses="ALL" id="1181">
    <Stimulus id="1181"/>
    <Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="37243"
type="HTQ">
        <BlueprintReferences>
            <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
            <BlueprintReference idRef="1-IT"/>
            <BlueprintReference idRef="1-IT|10-6"/>
        </BlueprintReferences>
        <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
            <ItemScoreParameter value="0.45598000288009644" measurementParameter="a"/>
            <ItemScoreParameter value="-0.5648000240325928" measurementParameter="b"/>
            <ItemScoreParameter value="0.0" measurementParameter="c"/>
        </ItemScoreDimension>
        <Presentations>
            <Presentation label="Braille" code="ENU-Braille"/>
            <Presentation label="English" code="ENU"/>
        </Presentations>
    </Item>

```

```

</Item>
type="MC">
<Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="37241"
  <BlueprintReferences>
    <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
    <BlueprintReference idRef="1-IT"/>
    <BlueprintReference idRef="1-IT|9-6"/>
  </BlueprintReferences>
  <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
    <ItemScoreParameter value="0.4042699933052063" measurementParameter="a"/>
    <ItemScoreParameter value="1.1329100131988525" measurementParameter="b"/>
    <ItemScoreParameter value="0.0" measurementParameter="c"/>
  </ItemScoreDimension>
  <Presentations>
    <Presentation label="Braille" code="ENU-Braille"/>
    <Presentation label="English" code="ENU"/>
  </Presentations>
</Item>
type="EBSR">
<Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="37245"
  <BlueprintReferences>
    <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
    <BlueprintReference idRef="1-IT"/>
    <BlueprintReference idRef="1-IT|11-6"/>
  </BlueprintReferences>
  <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
    <ItemScoreParameter value="0.447050005197525" measurementParameter="a"/>
    <ItemScoreParameter value="1.0210000276565552" measurementParameter="b"/>
    <ItemScoreParameter value="0.0" measurementParameter="c"/>
  </ItemScoreDimension>
  <Presentations>
    <Presentation label="Braille" code="ENU-Braille"/>
    <Presentation label="English" code="ENU"/>
  </Presentations>
</Item>
type="MS">
<Item active="true" fieldTest="false" administrationRequired="false" responseRequired="false" handScored="false" doNotScore="false" id="37251"
  <BlueprintReferences>
    <BlueprintReference idRef="SBAC-ICA-FIXED-G6E-ELA-6"/>
    <BlueprintReference idRef="1-IT"/>
    <BlueprintReference idRef="1-IT|14-6"/>
  </BlueprintReferences>
  <ItemScoreDimension measurementModel="IRT3PLn" scorePoints="1" weight="1.0">
    <ItemScoreParameter value="0.6685199737548828" measurementParameter="a"/>
    <ItemScoreParameter value="1.3832900524139404" measurementParameter="b"/>
    <ItemScoreParameter value="0.0" measurementParameter="c"/>
  </ItemScoreDimension>
  <Presentations>
    <Presentation label="Braille" code="ENU-Braille"/>
    <Presentation label="English" code="ENU"/>
  </Presentations>
</Item>

```

```
</ItemScoreDimension>  
  <Presentations>  
    <Presentation label="Braille" code="ENU-Braille"/>  
    <Presentation label="English" code="ENU"/>  
  </Presentations>  
</Item>  
</ItemGroup>  
</SegmentForm>  
</SegmentForms>  
</Segment>  
</Segments>  
</Test>  
</TestPackage>
```

Enhanced Test Administration XSD File

Below is the Enhanced Administration Package Format XSD file:

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns:vc="http://www.w3.org/2007/XMLSchema-versioning" elementFormDefault="qualified"
  vc:minVersion="1.1">
  <xs:element name="TestPackage">
    <xs:annotation>
      <xs:documentation><![CDATA[
The root element of the test package. The <TestPackage> element contains an optional <Scoring> element (for test packages that contain COMBINED scoring data, such
as ICA assessments).
]]>
      </xs:documentation>
    </xs:annotation>
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Blueprint">
          <xs:annotation>
            <xs:documentation>The assessment-level Blueprint element contains the following attributes:
              <br/>
              - minExamItems/maxExamItems: the minimum and maximum operational items to administer for this assessment
              - minFieldTestItems/maxFieldTestItems: the minimum and maximum field test items to administer for this assessment
            </xs:documentation>
          </xs:annotation>
          <xs:complexType>
            <xs:sequence>
              <xs:element maxOccurs="unbounded" ref="BlueprintElement"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
        <xs:element maxOccurs="unbounded" ref="Test">
          <xs:annotation>
            <xs:documentation>The Assessment node contains the following attributes:
              <br/>
              key: The assessment key
              id: The assessment id
              publisher: The publisher of the test package, also referred to as the "client name"
              publishDate: The creation/publish date of the test package
              label: A human-readable label to be displayed in the student and proctor application
              subject: The subject of the assessment (e.g., "ELA", "MATH", "Student Help")
              type: The test type of the assessment (e.g., "interim", "summative")
              version: The version of the test specification
              bankKey: The item bank key for all forms and items, typically a 3-digit integer value (e.g., "187", "200")
            </xs:documentation>
          </xs:annotation>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```



```

        subType: (OPTIONAL) A subtype classification of the exam (e.g., "ICA", "IAB")
      </xs:documentation>
    </xs:annotation>
  </xs:element>
</xs:sequence>
<xs:attribute name="bankKey" type="xs:int" use="required"/>
<xs:attribute name="publisher" type="xs:token" use="required"/>
<xs:attribute name="publishDate" type="xs:dateTime" use="required"/>
<xs:attribute name="subject" type="xs:token" use="required"/>
<xs:attribute name="type" type="xs:token" use="required"/>
<xs:attribute name="version" type="xs:decimal" use="required"/>
<xs:attribute name="academicYear" type="xs:token" use="required"/>
<xs:attribute name="subType" type="xs:token"/>
</xs:complexType>
<xs:unique name="UniqueBlueprintElementKey">
  <xs:selector xpath="./BlueprintElement"/>
  <xs:field xpath="@id"/>
</xs:unique>
<xs:key name="BlueprintElementKey">
  <xs:selector xpath="./BlueprintElement"/>
  <xs:field id="blueprintid" xpath="@id"/>
</xs:key>
<xs:keyref name="BlueprintRefKey" refer="BlueprintElementKey">
  <xs:selector xpath="./BlueprintReference"/>
  <xs:field xpath="@idRef"/>
</xs:keyref>
<xs:keyref name="SegmentBlueprintRefKey" refer="BlueprintElementKey">
  <xs:selector xpath="./SegmentBlueprintElement"/>
  <xs:field xpath="@idRef"/>
</xs:keyref>
</xs:element>
<xs:element name="Test">
  <xs:complexType>
    <xs:all>
      <xs:element name="Grades">
        <xs:complexType>
          <xs:sequence>
            <xs:element maxOccurs="unbounded" name="Grade">
              <xs:annotation>
                <xs:documentation>The Grade element contains the following attributes:

                value: The grade code/integer value for the grade (e.g., "KR", "1", "12")
                label: The human readable label of the grade (e.g., "Kindergarden", "Grade 12")
              </xs:documentation>
            </xs:annotation>
          </xs:complexType>

```

```

        <xs:attribute name="value" type="xs:token" use="required"/>
        <xs:attribute name="label" type="xs:token"/>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="Segments">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Segment" maxOccurs="unbounded">

```

assessment).
 <xs:documentation>Every Assessment must contain one or more segments (an "unsegmented" assessment is actually a single-segment

A segment defines a partition of a test wherein various presentational aspects may be controlled (such as isolating calculator items from non-calculator items)

The Segment node contains the following attributes:

key: The segment key

id: The segment id

position: The position of the segment in the assessment (1-based)

label: (OPTIONAL) A human-readable label to be displayed in the student and proctor application - if no label is provided, the segment key will be used.

entryApproval/exitApproval: (OPTIONAL) A flag indicating that a student will require approval to enter or exit the segment

The Segment contains the following sub-elements:

- Blueprint: The segment blueprint constraints for selecting items, each references an assessment-level BlueprintElement

The Segment Blueprint is optional for fixed form segments, but required for adaptive segments

- One of the following, depending on the item selection type:

- Pool - The segment pool of items, for adaptive segments

- Forms - A list of forms for the segment, for fixed-form assessments

- ItemSelector: the method for selecting items for the segment (e.g. "fixedform", "adaptive")

- Tools: A list of universal tools, accommodations, and designated supports along with various options and dependency rules

</xs:documentation>

</xs:annotation>

<xs:complexType>

<xs:sequence>

<xs:element name="SegmentBlueprint" minOccurs="0">

<xs:annotation>

<xs:documentation>A segment-level Blueprint that defines item selection rules for adaptive segments

ATTRIBUTES:

- minExamItems/maxExamItems: the minimum and maximum operational items to administer from this blueprint category

- minFieldTestItems/maxFieldTestItems: (OPTIONAL) the minimum and maximum field test items to administer - default to "0"

```

    </xs:documentation>
  </xs:annotation>
</xs:complexType>
<xs:sequence>
  <xs:element maxOccurs="unbounded" name="SegmentBlueprintElement">
    <xs:annotation>
      <xs:documentation>BlueprintElement
    </xs:annotation>
    ATTRIBUTES:
    - refId: The id of the assessment-level blueprint element reference
    - minExamItems/maxExamItems: the minimum and maximum operational items to administer from this segment
  </xs:documentation>
  </xs:annotation>
</xs:complexType>
<xs:sequence>
  <xs:element minOccurs="0" name="ItemSelection">
    <xs:complexType>
      <xs:sequence>
        <xs:element maxOccurs="unbounded" minOccurs="1" name="Property">
          <xs:complexType>
            <xs:attribute name="name" type="xs:token" use="required"/>
            <xs:attribute name="value" type="xs:token" use="required"/>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute name="idRef" type="xs:token" use="required"/>
<xs:attribute name="minExamItems" type="xs:int" use="required"/>
<xs:attribute name="maxExamItems" type="xs:int" use="required"/>
<xs:attribute default="0" name="minFieldTestItems" type="xs:int"/>
<xs:attribute default="0" name="maxFieldTestItems" type="xs:int"/>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:choice>
  <xs:element name="Pool">
    <xs:annotation>
      <xs:documentation>The Segment's Pool - A list of items/itemgroups that is specific for adaptive segments.
    </xs:annotation>
    A pool containing items that can be selected for a segment, based on adaptive algorithm calculations,
    min/max item constraints at the strand, contentlevel, segment, or assessment
  </xs:documentation>
  </xs:documentation>

```

levels.

```

        </xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element maxOccurs="unbounded" ref="ItemGroup" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="SegmentForms">
    <xs:annotation>
        <xs:documentation>The forms available form selection for this assessment (typically based on subject and the
form cohort),
                                at least one form is required per-segment, for fixed-form segments.
        </xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element maxOccurs="unbounded" name="SegmentForm">
                <xs:annotation>
                    <xs:documentation>Segment-level form definition. (Only required when segments use the 'fixed form'
item selection algorithm)
                </xs:documentation>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>

```

This is used by the test registration/administration module to pre-assign specific forms to examinees. It also is used to establish the defined and finite set of cohorts to which every segment fixed form must belong.

ATTRIBUTES:

name: The form name/identifier
cohort: A string used to link forms of different segments.

Example: The Assessment contains two Segments, each with two possible forms about music:

SEGMENT 1:

Form 1 has an id of "Music1-HM" and a cohort of "Heavy Metal"
Form 2 has an id of "Music1-J" and a cohort of "Jazz"

SEGMENT 2:

Form 3 has an id of "Music2-HM" and a cohort of "Heavy Metal"
Form 4 has an id of "Music2-J" and a cohort of "Jazz"

If "Music1-HM" is selected for the examinee's first segment, then the linked cohort will ensure that Form 3 is

Likewise, if Form 2 is selected for the first segment, Form 4 will always follow in the second segment.

SUBELEMENTS:

- Languages: A list of language codes (e.g., "ENU", "ESN") that are compatible with this form. Typically, this

form cohort),

item selection algorithm)

ALWAYS selected for the second segment.

list contains a single language,

but may contain more than one language with the identical set of ItemGroups. The test delivery system will treat these form/language combinations as individual forms internally

- ItemGroups: One or more groups of items (containing one or more items and potentially a stimuli) that make up the items in the form

```

        </xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element ref="Presentations"/>
            <xs:element maxOccurs="unbounded" ref="ItemGroup"
                />
        </xs:sequence>
        <xs:attribute name="id" type="xs:token"
            use="required"/>
        <xs:attribute default="Default" name="cohort"
            type="xs:token" use="optional"/>
    </xs:complexType>
    <xs:unique name="UniqueItemGroupPositionInFormKey">
        <xs:selector xpath="./ItemGroup"/>
        <xs:field xpath="@position"/>
    </xs:unique>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:choice>
<xs:element minOccurs="0" ref="Tools"/>
</xs:sequence>
<xs:attribute name="id" type="xs:token" use="required"/>
<xs:attribute name="algorithmType" type="xs:token" use="required"/>
<xs:attribute name="algorithmImplementation" type="xs:token" use="required"/>
<xs:attribute name="position" type="xs:short" use="optional" default="1"/>
<xs:attribute name="label" type="xs:token"/>
<xs:attribute default="false" name="entryApproval" type="xs:boolean"/>
<xs:attribute default="false" name="exitApproval" type="xs:boolean"/>
</xs:complexType>
<xs:unique name="SegmentPositionUniqueKey">
    <xs:selector xpath="./Segment"/>
    <xs:field xpath="@position"/>
</xs:unique>
<xs:unique name="SegmentKeyUniqueKey">
    <xs:selector xpath="./Segment"/>
    <xs:field xpath="@key"/>
</xs:unique>
<xs:unique name="SegmentIdUniqueKey">
    <xs:selector xpath="./Segment"/>

```

```

        <xs:field xpath="@id"/>
      </xs:unique>
    </xs:element>
  </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element ref="Tools" minOccurs="0"/>
</xs:all>
<xs:attribute name="id" type="xs:token" use="required"/>
<xs:attribute name="label" type="xs:token" use="required"/>
</xs:complexType>

```

```

</xs:element>
<xs:element name="Tools">
  <xs:complexType>
    <xs:sequence>
      <xs:element maxOccurs="unbounded" name="Tool">
        <xs:annotation>
          <xs:documentation>A "Tool" is a general term for any universal tools, designated supports, or accommodations.
            Each Tool represents a type of tool, such as "Zoom", "American Sign Language", "Masking", and "Calculator"

```

and

contains a list of its possible options and dependency rules. Tools can be defined at the assessment-level

as well as the segment-level

ATTRIBUTES:

- name: The tool type "name". This is the string identifying the tool type. The tool type name may contain spaces.
- studentPackageFieldName: The name/identifier of the tool/accommodation/designated supports used by ART.
- allowChange: A flag indicating whether or not the tool can be changed by the proctor when a student is waiting for approval to enter an assessment or segment
- required: A flag indicating whether or not an tool selection is required for this type of tool
- sortOrder: An optional ordering of the type (ascending)
- disableOnGuest: A flag indicating whether or not an accommodation should be disabled for guest students

SUBELEMENTS:

The Options for the Tool

```

  </xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:all>
    <xs:element name="Options">
      <xs:annotation>
        <xs:documentation>A list of two or more Options for the given Tool. Typically, a tool will have at the very least an "ON" or

```

"OFF" option

```
<xs:element maxOccurs="unbounded" name="Option">
  <xs:annotation>
    <xs:documentation>An Option for a Tool. For some tools, the list of Options should contain at least two elements -
```

an "ON" and an "OFF" Option.

ATTRIBUTES:

- code: The ISAAP code corresponding to the Tool Option
- sortOrder: The order in which the option should be displayed in the selection dropdown
- default: Whether or not the option should be the default Option. A tool cannot have more than one default option

SUBELEMENTS:

- Dependencies: (OPTIONAL) A list of one or more dependencies indicating whether an Option(s) should be enabled based on

other Tool selections

```

  </xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:sequence>
    <xs:element name="Dependencies" minOccurs="0">
      <xs:annotation>
        <xs:documentation>(OPTIONAL) A list of one or more dependencies indicating whether an Option(s)
          should be enabled based on other Tool selections
        </xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element maxOccurs="unbounded" name="Dependency">
            <xs:annotation>
              <xs:documentation><![CDATA[

```

A Dependency defines a rule for when a specific Tool Option should be enabled or available to an examinee.

ATTRIBUTES:

- ifToolType: The conditional tool type of the rule
- ifToolCode: The conditional tool code (option) of the rule
- enabled: (OPTIONAL, default TRUE) - Indicated whether the option should be ENABLED or DISABLED
- default: Whether or not the option should now be marked as the default option, if the Dependency condition is true

The Dependency can be read as:

if <ifToolType> is <ifToolCode>, then the option is enabled (or disabled)
e.g., "IF <Language> IS <ENU>, THEN <'Emboss' option should be disabled>"

]]>

```

  </xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:attribute name="ifToolType" type="xs:token" use="required"/>
  <xs:attribute name="ifToolCode" type="xs:token" use="required"/>
  <xs:attribute default="false" name="default" type="xs:boolean"/>

```

```

        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute name="code" type="xs:token" use="required"/>
<xs:attribute name="sortOrder" type="xs:int" use="required"/>
<xs:attribute default="false" name="default" type="xs:boolean"/>
<xs:attribute name="label" type="xs:token"/>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:unique name="UniqueToolPosition">
  <xs:selector xpath="./Option"/>
  <xs:field xpath="@sortOrder"/>
</xs:unique>
</xs:element>
</xs:all>
<xs:attribute name="name" type="xs:token" use="required"/>
<xs:attribute name="studentPackageFieldName" type="xs:token"/>
<xs:attribute default="true" name="allowChange" type="xs:boolean"/>
<xs:attribute default="false" name="required" type="xs:boolean"/>
<xs:attribute default="0" name="sortOrder" type="xs:int"/>
<xs:attribute default="false" name="disableOnGuest" type="xs:boolean"/>
<xs:attribute name="type" type="xs:token"/>
<xs:attribute default="false" name="allowMultiple" type="xs:boolean"/>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="ItemGroup">
  <xs:annotation>
    <xs:documentation>A collection of items and passages that are selected and administered as an atomic unit.

```

It is not necessarily the case that every item in an itemgroup will be administered every time. Beside the fact that an item may be inactive, other forces include item filtering due to examinee accommodations, itemgroup pruning by an adaptive algorithm to avoid violating test constraints, etc.

ATTRIBUTES:

- maxResponses: the maximum number of responses an examinee is required to provide. 'ALL' means every item administered must be responded to.
- maxItems: for adaptive segments only, the maximum number of items to administer from this group. maxitems is useful for developing an excess of items to cover various ability levels,

for example, and allowing the adaptive algorithm to choose among them as the situation indicates (maxitems may be used in future hybrid fixed-form/adaptive algorithms where, for example, the adaptive algorithm keeps track of the examinee's ability estimate and selects 'maxitems' from the group accordingly)

SUBELEMENTS:

- An (optional) stimuli associated with the item group
- One or more Items associated with the ItemGroup

```

</xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:sequence>
    <xs:element minOccurs="0" name="Stimulus">
      <xs:annotation>
        <xs:documentation>The stimuli of the item group, also known as the "passage". An item group may not necessarily contain a stimuli,
          such as in case where the item group is a singular, self-contained item.
        </xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>

```

ATTRIBUTES:

- id: The stimuli identifier, also referred to as the "passage key". This is an integer value (e.g., 187-**1234**)

```

</xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:attribute name="id" type="xs:token" use="required"/>
</xs:complexType>
</xs:element>
<xs:element maxOccurs="unbounded" name="Item">
  <xs:annotation>
    <xs:documentation>An Item within an ItemGroup
  </xs:documentation>

```

ATTRIBUTES:

- id: The item identifier - an integer. For the item id "2112" and bank key "187", the full item key would be "187-2112"
- position: (Optional) The item's relative position within its group (1-based). Position should be honored by the item renderer. The default positional value is "1", but the item positions must be unique (and sequential) within the

ItemGroup

- fieldTest: (OPTIONAL, default false) A flag indicating whether or not the item is a field test item
- administrationRequired: (OPTIONAL, default true) If true, the (adaptive) itemselector MUST administer this item (it may not be pruned to meet the itemgroup's 'maxitems' constraint)
- responseRequired: If true, the examinee must respond to this item, if administered

```

</xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:all>
    <xs:element ref="Presentations"/>
    <xs:element name="BlueprintReferences">
      <xs:complexType>
        <xs:sequence>
          <xs:element maxOccurs="unbounded" name="BlueprintReference">

```

```

item
    <xs:annotation>
        <xs:documentation>A reference to a blueprint element. At least one BlueprintElement reference is required for each
    </xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:attribute name="idRef" type="xs:token" use="required"/>
    </xs:complexType>
    </xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="ItemScoreDimension">
    <xs:annotation>
        <xs:documentation>A dimension along which an item may be scored.
    </xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element maxOccurs="unbounded" name="ItemScoreParameter" minOccurs="0">
                <xs:annotation>
                    <xs:documentation>A parameter within a dimension. e.g. for IRT3pl there are 3 parameters, named a, b, and c.
                </xs:documentation>
                </xs:annotation>
                <xs:complexType>
                    <xs:attribute name="measurementParameter" type="xs:token" use="required"/>
                    <xs:attribute name="value" type="xs:float" use="required"/>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
        <xs:attribute name="measurementModel" type="xs:token" use="required"/>
        <xs:attribute name="scorePoints" type="xs:int" use="required"/>
        <xs:attribute name="weight" type="xs:float" use="required"/>
        <xs:attribute name="dimension" type="xs:token"/>
    </xs:complexType>
</xs:element>
<xs:element name="TeacherHandScoring" minOccurs="0">
    <xs:annotation>
        <xs:documentation>
            ATTRIBUTES:
            - measurementmodel: e.g. IRT3PL, IRTPCL (must be recognizable by the test scoring engine; simulator may also need this info)
            - scorepoints: Maximum number of points an examinee may received for this item
            - dimension: An item may have scores on multiple dimensions, each with its own scales and rules. Typically, however, there is a
            single dimension
            - weight: Where an item is scored separately on multiple dimensions, a composite score may be computed from a weighted
            combination of the dimension scores
        </xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element maxOccurs="unbounded" name="ItemScoreParameter" minOccurs="0">
                <xs:annotation>
                    <xs:documentation>A parameter within a dimension. e.g. for IRT3pl there are 3 parameters, named a, b, and c.
                </xs:documentation>
                </xs:annotation>
                <xs:complexType>
                    <xs:attribute name="measurementParameter" type="xs:token" use="required"/>
                    <xs:attribute name="value" type="xs:float" use="required"/>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
        <xs:attribute name="measurementModel" type="xs:token" use="required"/>
        <xs:attribute name="scorePoints" type="xs:int" use="required"/>
        <xs:attribute name="weight" type="xs:float" use="required"/>
        <xs:attribute name="dimension" type="xs:token"/>
    </xs:complexType>
</xs:element>
</xs:annotation>

```

```

                <xs:documentation>Teacher Hand Scoring System configuration. Reference
https://github.com/SmarterApp/TDS_TeacherHandScoringSystem
            </xs:documentation>
        </xs:annotation>
        <xs:complexType>
            <xs:sequence minOccurs="0">
                <xs:element name="Dimensions" type="xs:string" />
            </xs:sequence>
            <xs:attribute name="exemplar" type="xs:token"/>
            <xs:attribute name="trainingGuide" type="xs:token"/>
            <xs:attribute default="WAI" name="layout" type="xs:token"/>
            <xs:attribute name="description" type="xs:token" use="required"/>
            <xs:attribute name="passage" type="xs:token"/>
            <xs:attribute name="itemname" type="xs:token"/>
        </xs:complexType>
    </xs:element>
</xs:all>
<xs:attribute name="id" type="xs:token" use="required"/>
<xs:attribute name="type" type="xs:token" use="required"/>
<xs:attribute default="false" name="fieldTest" type="xs:boolean"/>
<xs:attribute default="true" name="administrationRequired" type="xs:boolean"/>
<xs:attribute default="true" name="active" type="xs:boolean"/>
<xs:attribute default="true" name="responseRequired" type="xs:boolean"/>
<xs:attribute default="false" name="handScored" type="xs:boolean"/>
<xs:attribute default="false" name="doNotScore" type="xs:boolean"/>
</xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute name="id" type="xs:token" use="required"/>
<xs:attribute default="ALL" name="maxItems" type="xs:token"/>
<xs:attribute default="ALL" name="maxResponses" type="xs:token"/>
</xs:complexType>
<xs:unique name="ItemPositionUniqueKey">
    <xs:selector xpath="./Item"/>
    <xs:field xpath="@position"/>
</xs:unique>
</xs:element>
<xs:element name="BlueprintElement">
    <xs:annotation>
        <xs:documentation>Each element or component of a blueprint must have a corresponding BlueprintElement.
        A BlueprintElement identifies a set of items for one or both of the following purposes:
        Creating a test 'form' adaptively,
        Scoring a test.

        In addition to a subject's taxonomy of content standards, the following are also BlueprintElements:
        The test itself (for establishing scoring and reporting features)
    </xs:documentation>
    </xs:annotation>

```

Every test segment (for item selection and administration)
Depth of Knowledge categories
Other (arbitrary) sets of items (may be useful for ad hoc identification of sets)

Depth of Knowledge and other arbitrary sets of items are lumped into one object type called an 'AffinityGroup'.
This is also used for the SBAC Content Standards Repository object called 'SOCK', an acronym for 'Some Other Category of Knowledge'

ATTRIBUTES:

- id: The id of the blueprint element
 - type: an arbitrary designation, usually from some aspect of a taxonomy defining the subject-area. (e.g., "strand", "contentlevel")
- Other elementtypes exist outside of the taxonomy
- parentId: the id of another bpelement, segment, or assessment, generally within the taxonomy.
- Since a BlueprintElement may have at most one parent, at most hierarchies may be expressed.
- minExamItems/maxExamItems: the minimum and maximum operational items to administer from this blueprint category
 - minFieldTestItems/maxFieldTestItems: (OPTIONAL) the minimum and maximum field test items to administer - default to "0"

```

</xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:sequence>
    <xs:element minOccurs="0" name="Scoring">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="PerformanceLevels" minOccurs="0">
            <xs:annotation>
              <xs:documentation/>
            </xs:annotation>
            <xs:complexType>
              <xs:sequence>
                <xs:element maxOccurs="unbounded" name="PerformanceLevel">
                  <xs:annotation>
                    <xs:documentation>Cutscore that determines a coarse-grained level of skill-attainment.
                    Performance levels are part of scoring and reporting.
                    </xs:documentation>
                  </xs:annotation>
                  <xs:complexType>
                    <xs:attribute name="pLevel" type="xs:int" use="required"/>
                    <xs:attribute name="scaledLo" type="xs:float" use="required"/>
                    <xs:attribute name="scaledHi" type="xs:float" use="required"/>
                  </xs:complexType>
                </xs:element>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
          <xs:element name="Rules">
            <xs:annotation>
              <xs:documentation>Configurations for scoring the test, consisting of

```

```

- rules for computation
- score cut points for determining performance levels
</xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:sequence>
    <xs:element maxOccurs="unbounded" name="Rule">
      <xs:annotation>
        <xs:documentation>A rule for computing a score element, such as
- overall theta or scaled score
- strand score
- benchmark score
        </xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element maxOccurs="unbounded" name="Parameter" minOccurs="0">
            <xs:annotation>
              <xs:documentation>A parameter for a computation rule
            </xs:documentation>
            </xs:annotation>
            <xs:complexType>
              <xs:sequence>
                <xs:element maxOccurs="unbounded" name="Property" minOccurs="0">
                  <xs:complexType>
                    <xs:attribute name="name" type="xs:token" use="required"/>
                    <xs:attribute name="value" type="xs:token" use="required"/>
                  </xs:complexType>
                </xs:element>
                <xs:element maxOccurs="unbounded" name="Value">
                  <xs:complexType>
                    <xs:attribute name="index" type="xs:token"/>
                    <xs:attribute name="value" type="xs:token" use="required"/>
                  </xs:complexType>
                </xs:element>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
          <xs:attribute name="id" type="xs:token" use="required"/>
          <xs:attribute name="type" type="xs:token" use="required"/>
          <xs:attribute name="position" type="xs:int" use="required"/>
          <xs:attribute name="name" type="xs:token"/>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
    <xs:attribute name="computationOrder" type="xs:int"/>
    <xs:attribute name="name" type="xs:token" use="required"/>
  </xs:complexType>

```

```

                </xs:element>
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element maxOccurs="unbounded" minOccurs="0" ref="BlueprintElement"/>
</xs:sequence>
<xs:attribute name="id" type="xs:token" use="required"/>
<xs:attribute name="type" type="xs:token" use="required"/>
<xs:attribute name="level" type="xs:token"/>
<xs:attribute name="label" type="xs:token"/>
<xs:attribute name="description" type="xs:token"/>
</xs:complexType>
</xs:element>
<xs:element name="Presentations">
    <xs:annotation>
        <xs:documentation>The list of presentations/languages (codes) compatible with the given item or form. For fixed form item selection,
                            an item MUST contain the language of the form it belongs to in order to be compatible.
        </xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element maxOccurs="unbounded" name="Presentation">
                <xs:complexType>
                    <xs:attribute name="code" type="xs:token" use="required"/>
                    <xs:attribute name="label" type="xs:token"/>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>
</xs:schema>

```