**SMARTERAPP SPECIFICATION**

**for**

**REPORTING TEST PACKAGE FORMAT**

Authored by

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Updated

7 June 2016

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Revision Description | Author/Modifier | Date |
| 1.0 | Initial Release | Jeff Treuting (Fairway) | June 7, 2016 |

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# Purpose

The purpose of this document is to provide a format specification describing the Reporting Test Package for the Test Delivery System (TDS). This package was originally intended for use in the Dataware and Reporting application; however, the Reporting application defined a custom configuration file format.

# Package Usage

This package is not currently being used.

# Test Package Data Format Conventions

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

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

# Reporting Test Package Format Specification

| **Category / Node (XML Element)** | **Field Name (attribute)** | **XML Hierarchy** | **Width (chars)** | **Required** | **Data Element Description** | **Accepable Values** | **Data Type** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| testspecification |  | testspecification |  |  |  |  |  |
|  | purpose |  | 15 | Always | Defines the purpose of this test package which can be administration, registration, scoring and reporting. | reporting | xsd:token |
|  | publisher |  | 50 | Always | The publisher of this package | One or more printable ASCII characters | xsd:token |
|  | publishdate |  | 30 | Always | The date this package was published | String representation of a date and time. For example: Aug 19 2015 3:43PM | xsd:dateTime |
|  | version |  | 10 | Always | The version of this test specification package | Integer | xsd:token |
| identifier |  | testspecification:identifier |  |  |  |  |  |
|  | uniqueid |  | 250 | Always | Unique test key | One or more printable ASCII characters | xsd:token |
|  | name |  | 200 | Always | Test name | One or more printable ASCII characters | xsd:token |
|  | labl |  | 200 | Always | Test label | One or more printable ASCII characters | xsd:token |
|  | version |  | 10 | Always | Test version | Integer | xsd:integer |
| property |  | testspecification:property |  |  |  |  |  |
|  | name |  | 200 | Always | Defines a property for this test. This is where the grade, subject and test type are defined. | One or more printable ASCII characters  Required properties include: grade, subject, type | xsd:token |
|  | value |  | 200 | Always | The value for a particular property | One or more printable ASCII characters  The subject property can be ELA, MATH or Student Help. The type property can be iterim or summative. | xsd:token |
|  | label |  | 200 | Always | The display label for this property | One or more printable ASCII characters | xsd:token |
| reporting |  | testspecification:reporting |  |  |  |  |  |
| testblueprint |  | testspecification:reporting:testblueprint |  |  |  |  |  |
| bplement |  | testspecification:reporting:testblueprint:bplement |  |  |  |  |  |
|  | elementtype |  | 100 | Always | The type of blueprint element | test, segment, strand, contentlevel | xsd:token |
|  | parentid |  | 150 | Optional | Defines this blueprint element as a child of a parent element.  References testspecification:administration:testblueprint:bplement:identifier[@uniqueid] | One or more printable ASCII characters | xsd:token |
|  | minopitems |  | 4 | Always | Minimum number of operational items the adaptive algorithm will include. | 0 <= Integer <= maxopitems  NOTE: All child element values must work with the parent values. Meaning if the child elements each have a minimum value of 2, then the parent element must have a maximum value >= 4 in order to satisfy all conditions. | xsd:integer |
|  | maxopitems |  | 4 | Always | Maximum number of operational items the adaptive algorihm will include. | 1 <= Integer >= minopitems  NOTE: All child element values must work with the parent values. Meaning if the child elements each have a minimum value of 2, then the parent element must have a maximum value >= 4 in order to satisfy all conditions. | xsd:ineger |
|  | minftitems |  | 4 | Optional | Minimum number of field test items the adaptive algorithm will include. Defaults to 0 if not provided. | 0 <= Integer <= maxftitems  NOTE: All child element values must work with the parent values. Meaning if the child elements each have a minimum value of 2, then the parent element must have a maximum value >= 4 in order to satisfy all conditions. | xsd:integer |
|  | maxftitems |  | 4 | Optional | Maximum number of field test items the adaptive algorithm will include. Defaults to 0 if not provided. | 0 <= Integer >= minftitems  NOTE: All child element values must work with the parent values. Meaning if the child elements each have a minimum value of 2, then the parent element must have a maximum value >= 4 in order to satisfy all conditions. | xsd:integer |
|  | opitemcount |  | 4 | Always | The number of operational items that belong to this group (strand or content level). | Integer > 0 | xsd:integer |
|  | ftitemcount |  | 4 | Always | The number of filed test items that belong to this group (strand or content level). | Integer > 0 | xsd:integer |
| identifier |  | testspecification:reporting:testblueprint:bplement:identifier |  |  |  |  |  |
|  | uniqueid |  | 150 | Always | Identifier for the specific element type | One or more printable ASCII characters | xsd:token |
|  | name |  | 200 | Always |  | One or more printable ASCII characters | xsd:token |
|  | version |  | 10 | Always |  | Integer | xsd:integer |
| performancelevels |  | testspecification:reporting:performancelevels |  |  | Sets the performance level groups |  |  |
| performancelevel |  | testspecification:reporting:performancelevels:performancelevel |  |  | One or more performance levels |  |  |
|  | bpelementid |  | 150 | Always | Blueprint reference. Refers to testspecification:scoring:testblueprint:bpelement:identifier[@uniqueid] | One or more printable ASCII characters | xsd:token |
|  | plevel |  | 10 | Always | The performance level group | Integer >= 1 | xsd:integer |
|  | scaledlo |  | 30 | Always | Low score to include in this performance level | Float | xsd:float |
|  | scaledhi |  | 30 | Always | High score to include in this performance level | Float | xsd:float |
| reportingmeasures |  | testspecification:reporting:reportingmeasures |  |  |  |  |  |
| reportingmeasure |  | testspecification:reporting:reportingmeasures:reportingmeasure |  |  | Multiple reporting measures |  |  |
|  | bpelementid |  |  |  | Blueprint reference. Refers to testspecification:scoring:testblueprint:bpelement:identifier[@uniqueid] | One or more printable ASCII characters | xsd:token |
| scoretype |  | testspecification:reporting:reportingmeasures:reportingmeasure:scoretype |  |  | Multiple score types for his reporting measure |  |  |
|  | scorename |  | 150 | Always | Name of the score type | One or more printable ASCII characters | xsd:token |
|  | scorelabel |  | 150 | Always | Display label of the score type | One or more printable ASCII characters | xsd:token |

# Sample XML Output

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

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

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

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

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

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

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

<reporting>

<testblueprint>

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