**SMARTERAPP SPECIFICATION**

**for**

**REGISTRATION TEST PACKAGE FORMAT**

Authored by

Fairway Technologies, Inc.

Updated

7 June 2016

**Revision History**

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

Table of Contents

Purpose 4

Package Usage 4

Registration Test Package Format Specification 5

Sample XML Output 8

# Purpose

The purpose of this document is to provide a format specification describing the Registration Test Package for the Test Delivery System (TDS). This package defines the test and is used within the Test Specification Bank (TSB) and ultimately in the Administration and Registration Tools (ART).

# Package Usage

Test Specification Bank

**This package is needed in order to load the test into the Test Specification Bank and make it available to users within ART. To load externally authored test packages into the TSB, you will use the “load\_reg\_package.pl” script available in the tsb folder of the Administrative repository. Please refer to the script’s usage instructions for more details. You can find the Administrative repository on the SmarterApp source code page located at http://www.smarterapp.org/source.html.**

**Administration and Registration Tools**

**After the test is loaded into TSB, it will be available on the “Select Assessments” section of ART.**

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.

# Registration 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, in general, can be administration, registration, scoring and reporting. For the registrationg package it can only be set to registration. | registration | 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:integer |
| identifier |  | testspecification:identifier |  |  |  |  |  |
|  | uniqueid |  | 250 | Always | Uniquely identifies the test | One or more printable ASCII characters | xsd:token |
|  | name |  | 200 | Always | More readable test name | One or more printable ASCII characters | xsd:token |
|  | label |  | 200 | Always | Displayed test name | One or more printable ASCII characters | xsd:token |
|  | version |  | 10 | Always | Test version | Integer | xsd:integer |
| property |  | testspecification:property |  |  | NOTE: The attributes must in order within the property element in order to work with the TestSpecBank side loading perl script. The order is defined as name, value, and then label. |  |  |
|  | name |  | 200 | Always | Defines a property for this test. This is where the grade, subject and test type are defined. | One or more printable ASCII characters  Required properties include: grade, subject, type | xsd:token |
|  | value |  | 200 | Always | The value for this property | 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 |
| registration |  | testspecification:registration |  |  |  |  |  |
| registrationsegment |  | testspecification:registration:registrationsegment |  |  |  |  |  |
|  | position |  | 10 | Always | Defines the order of this test segment | Integer >= 1 | xsd:integer |
|  | itemselection |  | 25 | Always | Sets the fixed form or adaptive test segment | fixedform, adaptive, adaptive2 | xsd:token |
|  | minitems |  | 10 | Always | Minimum items in this test segment | 0 <= Integer <= maxitems | xsd:integer |
|  | maxitems |  | 10 | Always | Maximum items in this test segment | Integer >=minitems | xsd:integer |
| identifier |  | testspecification:registration:registrationsegment:identifier |  |  |  |  |  |
|  | uniqueid |  | 150 | Always | Uniquely identifies this test segment | One or more printable ASCII characters | xsd:token |
|  | name |  | 200 | Always | Name for this test segment | One or more printable ASCII characters | xsd:token |
|  | label |  | 200 | Always | Display label for this test segment | One or more printable ASCII characters | xsd:token |
|  | version |  | 10 | Always | Test segment version | Integer | xsd:integer |

# Sample XML Output

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

Below is the Math 3 Performance Test Registration Package from the IRP:

<testspecification purpose="registration" publisher="SBAC\_PT" publishdate="Aug 19 2015 3:43PM" version="1.0">

<identifier uniqueid="(SBAC\_PT)SBAC-IRP-Perf-MATH-3-Summer-2015-2016" name="SBAC-IRP-Perf-MATH-3" label="Grade 3 MATH" version="8185" />

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

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

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

<registration>

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

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

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

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

<registrationsegment position="1" itemselection="fixedform" minitems="4" maxitems="4">

<identifier uniqueid="(SBAC\_PT)SBAC-IRP-Perf-MATH-3-Summer-2015-2016" name="SBAC-IRP-Perf-MATH-3" version="8185" />

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

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

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

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

</registrationsegment>

</registration>

</testspecification>