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

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

Category / Node (XML Element)	Field Name (attribute)	XML Hierarchy	Width (chars)	Required	Data Element Description	Accepable Values	Data Type
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

Category / Node (XML Element)	Field Name (attribute)	XML Hierarchy	Width (chars)	Required	Data Element Description	Accepable Values	Data Type
	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:

```xml
<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>
```