Test plan

Smarter Balanced Assessment Consortium Test Delivery System

Components:   
Test Delivery System Administration

Smarter Balanced Task Order 17

Revision History

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| --- | --- | --- | --- |
| **Revision Description** | **Author** | **Reviewer** | **Date** |
| 0.1 – First Draft | Peter Tereshchenko |  | Mar. 31, 2016 |
| 0.2 – Second Draft | Peter Tereshchenko | Rami Levy | Apr. 14, 2016 |
| 1.0 – Final version | Peter Tereshchenko | Rami Levy | Apr. 24, 2016 |

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# Introduction and Background of System

The purpose of this document is to define testing scope and approach for Task Order 17. This task order seeks to create and provide a user interface for several stored procedures which have to be used to adjust TDS test opportunity parameters like status and expiration date. To avoid administrator’s extensive access and use of database, a new component called Test Delivery System Administration (TDSAdmin) was created.

# References

|  | **Reference** | **Location** | **Version** |
| --- | --- | --- | --- |
| 1 | TDSAdmin-TestCases.xlsx | TDS Admin source code repository documentation folder | 1.0 |
| 2 | TDSAdmin-Requirements.docx or pdf | TDS Admin source code repository documentation folder | 1.0 |

Table 1: References

# Scope of testing and preconditions

There are 17 requirements for TO17, which can be divided in to 2 categories:

1. Requirements describing user interface and behavior of the TDSAdmin component (1-7, 15-17)
2. Requirements describing the stored procedures which the TDSAdmin component requests to execute in Test Delivery System (8-14)

The TDSAdmin interface and behavior is relatively simple and doesn’t require specific information and preconditions other than those already described in test cases.

Stored procedures have several restrictions to which type of opportunities they can be applied as well as rules for procedure parameters. The QA team should verify that the application doesn’t allow users to break these rules and restrictions. Rules are specific to each procedure and are described in designated test cases. Additionally, test cases will provide information about which test opportunities QA team should create in advance to test various scenarios for specific stored procedures.

All procedures modify database information for opportunities, which in general will change TDS Student application behavior. These stored procedures were developed prior to the TDS Admin application. TDS Admin is a user interface which allows administrators to execute these procedures without logging directly into the database. Because of that, the QA team can make an assumption that the stored procedures are working as expected and the main focus of testing should be to verify not only that the UI shows confirmation of a procedure's successful completion, but also that the procedure was executed. It is unnecessary to verify each change made by procedure to check that it was applied, so testing scope is limited to verifying parameters from “session.testopportunity” table in TDS DB and also verifying changes for proctor and student UI where applicable.