

Functional Deliverables – Test Development (TD) Requirements Technical Proposal Response

Bidder’s Name: Enter Bidder Name Here

Instructions:

- For each requirement contained within this document a response is required.
- If additional space is needed Bidder should clearly label their response with the requirement identifier.
- NYS reserves the right to allow the Bidder to correct obvious errors of omission.
- Within each of the responses, identify which requirements from Attachment 2.01 – Technical Proposal – Functional Requirements Matrix will be met.

The core Test Development business functions related to the requirements presented below are described in the following numbered Use Cases. Please refer to these Use Cases **before** preparing your responses.

- Use Case 12 *Create Test Item*
- Use Case 13 *Manage Test Item*
- Use Case 14 *Create Test*
- Use Case 15 *Prepare Examination*
- Use Case 16 *Delivery Examination*

For each of the following requirements, provide detailed responses as to **how** the offered solution meets the requirement.

Rqmt. No.	Requirement Description – Overview
TD1	<p>The test management system should be highly flexible and contain robust capabilities for test content development. The system should support the development of computer based tests and traditional paper-and-pencil tests.</p> <p>The bidder should describe at a high level the functionality, flexibility, configurability and volumes supported out of the box. If customization (not configuration) is required to meet the business functions described, please indicate and explain.</p> <p>The bidder will have an opportunity to provide specific, detailed information regarding these areas in the requirements that follow this one.</p>
Bidder TD1 Response:	

Rqmt. No.	Requirement Description – Security
TD2	<p>The test management system should provide flexible and robust security capabilities that allows access to tests and test content to be controlled and modified, as well as allowing multiple roles to be defined and configured.</p> <p>The system should support assignment and reassignment of content for development and review, and support notification and feedback. It should also allow access to specific items, subtests, and tests to be granted and restricted independently for each individual user.</p>

Bidder TD2 Response:

Rqmt. No.	Requirement Description – Item Management
TD3	<p>The test management system should support the following:</p> <ul style="list-style-type: none"> the ability to work with and manage test items at each step of the process, including creation, search, retrieval, review, approval, and utilization in tests and examinations; a wide array of test item formats that include basic multiple-choice, constructed response, and interactive job-simulation exercises. the ability to set a variety of scoring parameters that will be implemented when candidate responses are collected and scored

Bidder TD3 Response:

Rqmt. No.	Requirement Description – Subject Areas, Subtests, and Tests
TD4	<p>The test management system should support creation, management, and use of subject areas, subtests, and tests in an efficient and effective manner. This should include</p> <ul style="list-style-type: none"> efficient classification, search, and retrieval streamlined association of subject areas with subtests, and subtests with tests the ability to preview tests as they would be delivered to candidates via CBT or paper and pencil.

Bidder TD4 Response:

Rqmt. No.	Requirement Description – Statistics and Analytic Reports
TD5	<p>The test management system should track, report, and export advanced utilization data and statistics (at the item, subtest, test, and examination level) that can be used for activities such as item analysis, test development, productivity evaluation, and examination planning. This should include both standard reports that are automatically generated and access to data for analysis in SPSS or Excel. (See Appendix E-Statistics Table)</p> <p>Of particular importance to test development, the system should enable users to easily view the statistics associated with specific test content as they consider using it. For example, to facilitate the evaluation of an item, the system should be able to present statistics such as the number of candidates answering the item correctly over the previous 5-10 administrations. For a subtest, the system should be able to present statistics such as the mean and standard deviation obtained for each of the subtest's previous 5-10 uses.</p>

Bidder TD5 Response:

Rqmt. No.	Requirement Description – Associating Tests and Examination
TD6	<p>The test management system should enable subtest, tests and exams to be associated quickly and easily. More specifically, the system should</p> <ul style="list-style-type: none"> • support the ability to associate a single subtest with numerous tests • support the ability to associate a single test with numerous exams • support the ability to make such associations en masse <p>Similarly, the test management system should enable tests and examinations to be used in complex delivery patterns featuring many instances of repeated tests within a set of related examinations (examination series), or multiple iterations of an examination. This includes the ability to present test content to a test taker once and use it in the scoring of multiple tests.</p> <p>Examination definitions may reside in a separate system and therefore, the TMS should be able to access that information for linking tests to exams.</p> <p>Note: This functionality is <u>critical</u> to DCS operational efficiency.</p>
Bidder TD6 Response:	

Rqmt. No.	Requirement Description – Importing Content and Data
TD7	<p>The test management system should include a means to efficiently and accurately integrate or import test content and related metadata and information that is created outside the system for use in the system. An example of this might include materials developed by subject matter experts.</p>
Bidder TD7 Response:	

Rqmt. No.	Requirement Description -- Navigation
TD8	<p>The test management system should include:</p> <ul style="list-style-type: none"> • a user dashboard based on user’s role, assigned work unit and access rights. • user access to work based on status and specific to the user or unit • the ability to track the overall status of assigned work. • a desktop that provides users the ability to navigate throughout the solution to access all of the essential functions needed to perform their work.
Bidder TD8 Response:	