



**ASSESSMENT SYSTEMS**  
— FOR GOOD MEASURE™ —

**FASTTEST**  
*Build Better Tests*

*Better education through  
better testing: FastTEST*

**February 10, 2016**

**Dr. Nobuhara,**

It was a pleasure to meet with you in our offices last week. I have compiled a brief overview, shared in the attached PowerPoint, to outline our understanding of qualities to consider as you expand your national testing program to include computer based design and delivery.

Building an integrated test delivery system for highly precise computer-based testing has been our focus for over 35 years. Using the world renowned psychometric expertise of Dr. David J. Weiss and Dr. C. David Vale from the University of Minnesota, we launched the first Computer Adaptive Tests (CAT) in 1978. Since that time we have been continually reviewing and upgrading our system. Today we offer a proven platform built which is used by testing professionals around the globe.

Using content that is developed by your own subject matter experts you may create, store, and deliver high quality test items and forms, with the associated psychometric values, electronically; using your own password protected workspace. You can choose to deliver basic linear tests, or you may harness the power of high volume LOFT or CAT construction to improve test security and precision. Large school districts and international K-12 testing programs are using FastTEST to provide a range of standardized testing to their students. Practice tests from your workspace allow all students to become familiar with new technology enhanced item types used to more effectively measure higher order thinking skills.

Computer based testing provides immediate results to teachers and school administrators, allowing them to quickly identify and address student skill gaps. End-of-year testing may be completed in the classrooms, with computers provided by the school - or those owned by the students and their families.

Test security starts with test design and is supported through highly researched test delivery methods such as LOFT. The most precise measurement tools, available to users with highly developed sets of questions (item banks), will reduce testing time while reliably improving measurement of skills. We recommend CAT delivery for the most efficient and reliable testing. FastTEST allows IRT data to be stored with each item, which makes the creation of CAT an option for many more users than ever before.



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We welcome the opportunity to further discuss the power of CAT for your testing program. We believe that high quality testing is now in the reach of millions of test takers, through the implementation of FastTEST for item and test creation and delivery. Reporting is provided to monitor and maintain your test, and more importantly to inform educators, parents, and students of progress toward a successful education.

Thank you for the opportunity to share in your project research. I hope this has been helpful, and look forward to our next opportunity to meet. Please let us know if you have further questions as you continue toward a successful project deployment.

Cordially,

**DAVE SABEN + VICE PRESIDENT GROWTH**

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## Projected Estimates: Pricing and Timeline

For a project of such a large scale we recommend working together across multiple phases of the project throughout a multi-year implementation. At a very high level we propose the timeline shown below.

2016	Spring 2017	Fall 2017	Spring 2018	Fall 2018	Spring 2019
Joint Project Design Phase	Statistical Evaluation of Existing Test Items	Item Development, Form Assembly	Initial Beta Tests	Additional Field Tests	Item and Form Calibration

### Estimated Project Development Costs

2016	2017	2018 - 2019
Design Phase	Customization and User Training	Operations
Technology and Process	+ Item Authoring Tool + Item Banking Tool + Test Assembly Tool	+ Registration of test sites, administrators, and students  + Test Delivery and Reporting
\$500,000	\$7,000,000	\$13,000,000