

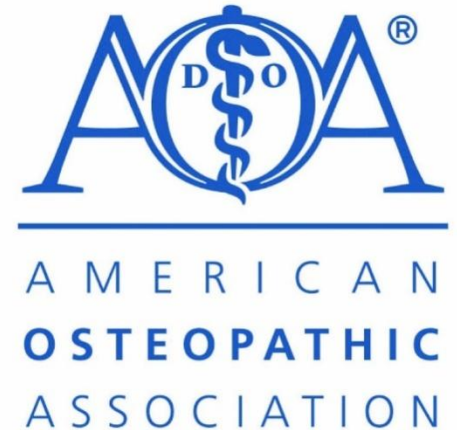


**ASSESSMENT SYSTEMS**  
— FOR GOOD MEASURE™ —

# CERTIFICATION COMPUTER-BASED

Assessment Programs

October 11th, 2016



# WHO WE ARE

Assessment Systems has empowered clients with computerized testing systems since 1979. We exist to supply best-in-class software platforms and consulting services to support high-quality measurement in completely scalable solutions. Whether you need a user-friendly item banking system, secure test delivery, or desire to out-source your high-stakes exam, Assessment Systems solutions improve your success.

## Trust the Flexibility of FastTest

FastTest is a best-in-class comprehensive online assessment management system built off our 35+ years of computer-based testing and item banking experience. FastTest is designed for any size organization that is looking to control their entire test development process through a convenient user-friendly online experience.



**NABP**  
NATIONAL ASSOCIATION OF  
BOARDS OF PHARMACY



THE AMERICAN  
BOARD OF  
PEDIATRICS



# FROM RESEARCH TO APPLICATION

Dr. Weiss was a Professor & Director of the Psychometric Methods Ph.D program at the University of Minnesota in early 70s

that the foundations of computerized adaptive testing (CAT) were invented by



**Weiss** and his team

SUPPORTED BY GRANTS FROM THE



U.S. DEPARTMENT OF DEFENSE



OFFICE OF NAVAL RESEARCH

***FASTTEST***  
Build Better Tests

*35 years of experience demonstrating better ways  
to use testing. Capture the Power.*

## WE D.R.E.A.M

WE DREAM OF A BETTER WORLD  
THROUGH ACCURATE MEASUREMENT

## DATA RULES EVERYTHING AROUND ME

WE ARE A DATA CENTRIC ORGANIZATION.  
WE BELIEVE ALL DATA POINTS ARE IMPORTANT,  
SO COLLECT EVERYTHING.

## WE MEASURE

WE LIVE AND BREATHE MEASUREMENT.  
WE SOLVE PROBLEMS AND PROVIDE ANSWERS THROUGH  
MEASUREMENT. WE MEASURE OUR SUCCESSES AND  
FAILURES AND HOLD EACH OTHER ACCOUNTABLE.

## DO THE RIGHT THING

WE DO THE RIGHT THING BY OUR PARTNERS,  
OUR PEOPLE AND OUR PLANET. THIS MEANS  
WE RESPECT ALL PEOPLE AND ALWAYS  
ASSUME POSITIVE INTENT.

## WE DRIVE CHANGE

WE ARE NON-CONFORMIST AND SAY UNPOPULAR  
THINGS BECAUSE THEY ARE RIGHT.



ONE OF US IS NOT AS SMART  
AS ALL OF US  
WE ARE A TEAM THAT VALUES  
EVERYONE'S CONTRIBUTION  
THE BEST SOLUTION WINS  
REGARDLESS OF WHO THE  
SOLUTION CAME FROM  
WE COLLABORATE WITH OUR  
PARTNERS AND OUR TEAM TO ENSURE  
THE BEST SOLUTION WINS

COLLABORATE

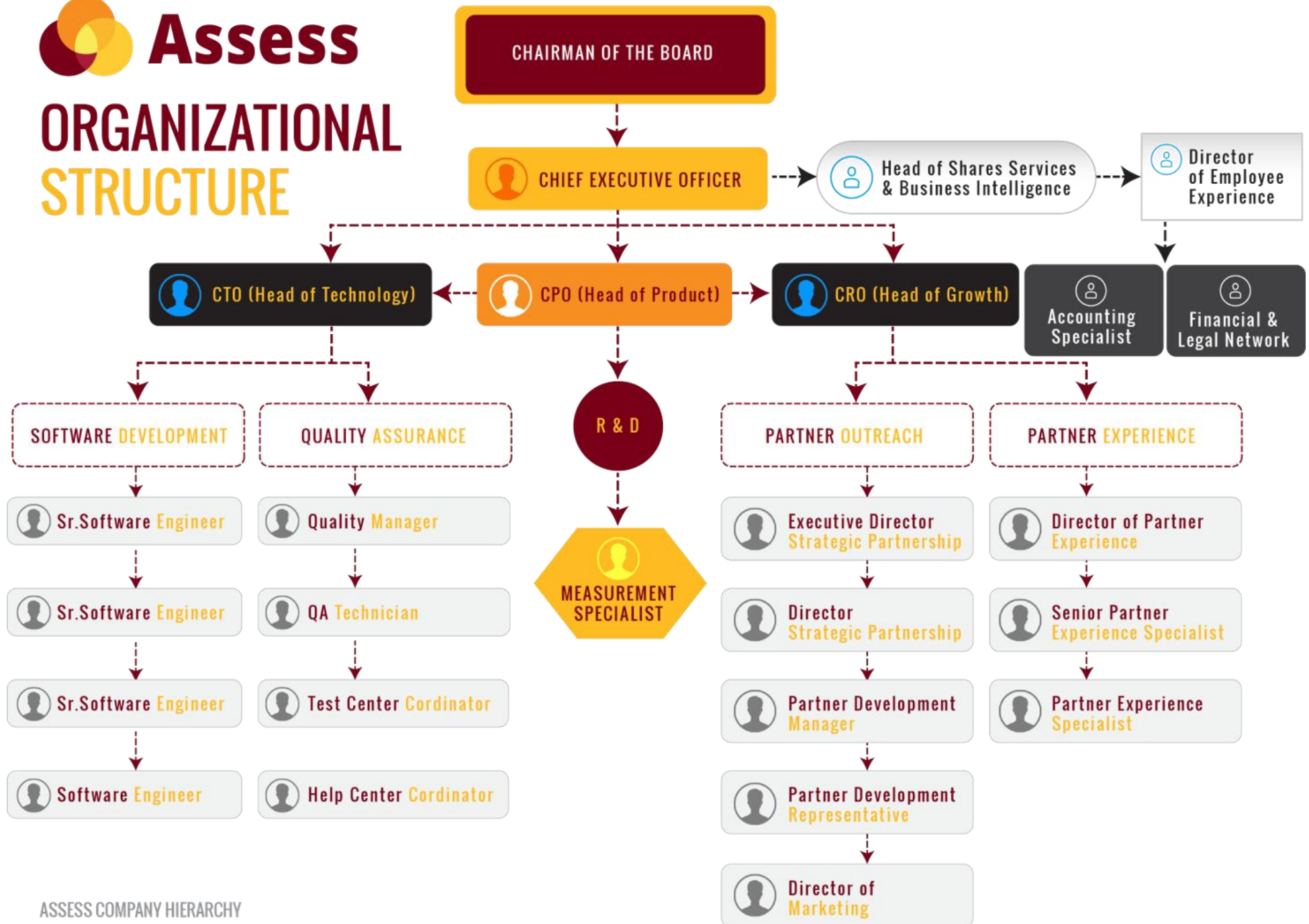
## WE ADAPT

OUR STRENGTH LIES IN OUR ABILITY TO ADAPT  
WE EMBRACE AND ADAPT TO CHANGE, BECAUSE MARKETS  
CONSUMER BEHAVIOR AND DATA CHANGES



# Assess

## ORGANIZATIONAL STRUCTURE



100's of diverse  
organizations with one  
advantage in common  
**THE VALUE OF  
AUTOMATED  
PSYCHOMETRICS**



# ***INTEGRATED TEST PROGRAM MANAGEMENT***

**ITEM  
BANKING**

**TEST  
ASSEMBLY**

**TEST  
DELIVERY**

***REPORTING***



*35 years of experience demonstrating better ways  
to use testing. Capture the Power.*

# NATIONAL CERTIFICATION PROGRAM





# *Extending Access: Internet Test Development*

- *Allow the best subject matter experts to join the development team - wherever they live - saving time away from the classroom.*
  - *Facilitate existing items using a batch upload process*
  - *Make better test design decisions based on a full view of item details such as author, reference material, learning level and item performance statistics*

*Increased  
access  
for great item  
writers*

*Easy to use  
editorial  
process*



# Managing System Access



- Password Protected
- Roles Based

Information User Defined **Roles**

**Workspace Level Roles**

- ☐ Workspace Administrator  
This user will gain all privileges in this workspace, including the unique ability to create users and item banks.
- ☐ Test Creator  
This role grants the ability to create and edit tests.
- ☐ Test Scheduler  
This role grants the ability to schedule people to take tests and view their results.

**Item Bank Level Roles**

- ☐ Bank Manager  
This role grants the ability to create new categories in the bank. The user can create items and edit/delete any item.
- ☐ Item Editor  
This role grants the ability to edit any item in the bank, create new items, and delete the user's own items.
- ☐ Item Reviewer  
This user can comment on items in the bank.
- ☐ Browse User  
This user will gain read-only access to all items in the bank.
- ☒ None  
This user will not have access to item banks.

**Bank**

☐ All Banks ☒ No Banks ☐ Bank

Asset Sampler  
Demo  
English  
Foreign Language

**Content Hierarchy**

☐ All Content ☒ No Content

☐ Content:

Spanish  
Arabic

\* Required Fields

Save Cancel

# POWERFUL TEST ASSEMBLY

- **LINEAR**

*Order of presentation may be the same on every test, or may be varied across responses, items, or test sections*

- **LOFT – LINEAR ON THE FLY TESTS OFFER HIGHER LEVELS OF TEST SECURITY**

*Items may be selected from a pool of items based on content area selections to reduce cheating and copying*

- **CAT – COMPUTER ADAPTIVE**

*Saves testing time and make tests more precise and meaningful to both  
Candidate with high potential and  
those still developing their skills*

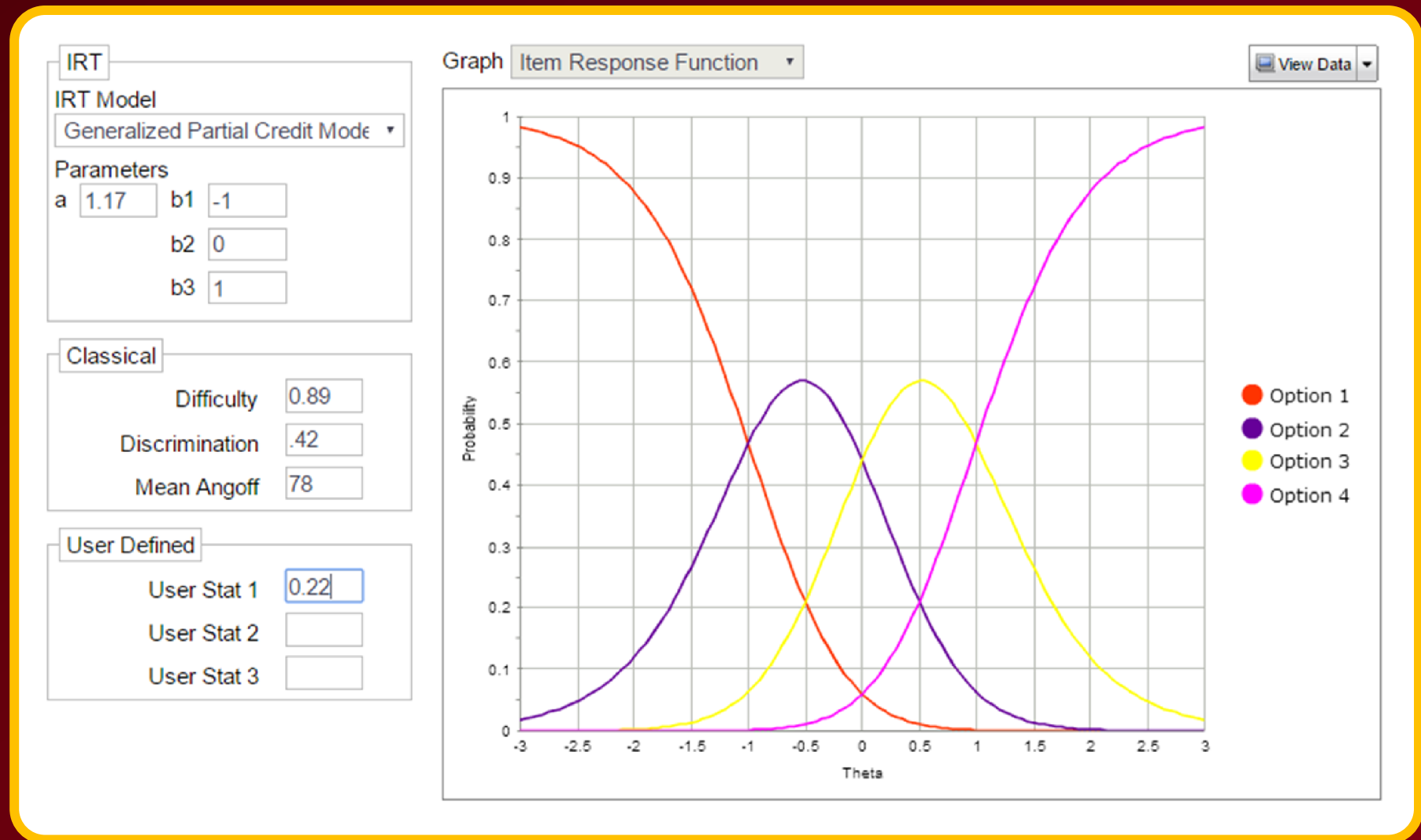
**EASY  
TO USE**

**MORE  
SECURE**

**MORE  
PRECISE**



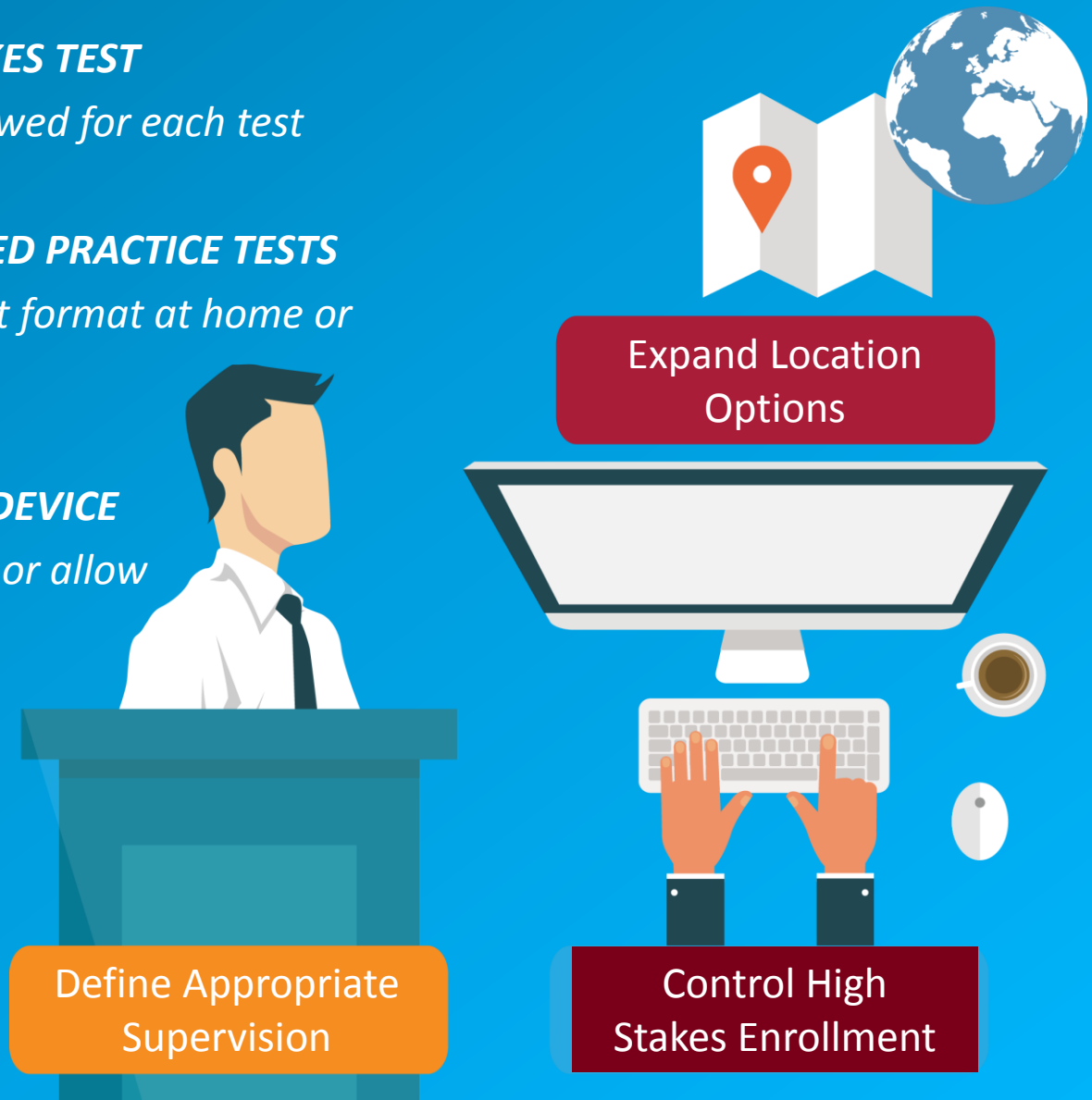
# PRECISE IRT CALIBRATION



*Better Items = Better Tests = Better Education for ALL Candidates & Organization*

# SECURE TEST DELIVERY

- **LIMIT ACCESS TO HIGH STAKES TEST**  
*Select time and location allowed for each test*
- **ENCOURAGES UNPROCTORED PRACTICE TESTS**  
*Candidate sees the same test format at home or at association center*
- **BYOD – BRING YOUR OWN DEVICE**  
*Use association's computers or allow candidate to provide their own devices*





# All of our Proctoring Solutions adhere to strict Security Standards



## *Certificate Of Accreditation*

This is to signify that

\*\*\*\*\*

has successfully fulfilled the certification requirements for the  
delivery of ASC assessments.

This ASC Assessment Center is approved to deliver certification and educational assessment as:  
Linear Exams, Computerized Adaptive Tests (C.A.T), Linear on the Fly Exams (L.O.F.T)

\*\*-\*\*-\*\*

ISSUE DATE

\*\*-\*\*-\*\*

EXPIRATION DATE



DAVE SABEN, PRESIDENT

# ***FLEXIBLE REPORTING***

- *Easy access to data exports*
- *Student scores*
  - *Scores for all candidates*
  - *Department comparisons*
  - *Grand Results*

## **It is YOUR DATA**



Export	Description
Examinee Data	Provides summary information such as examinee name, test, date, score, subscores, etc. Does not include responses to individual items.
Raw Response Matrix	Report provides name and test information, as well as examinee's responses to each item. It provides full detail on unscored responses.
Data Analysis Matrix	Similar to the Raw Response Matrix, but with polytomous items such as multiple response or drag-and-drop converted from raw information to earned points. For example, the raw matrix would say that the examinee selected A,B,E on a multiple response item; if A and E were correct answers, the Data Analysis Matrix would simply say "2" because two points were earned.
Examinee Comments	Provides comments examinees have made on individual items while completing an exam.
Examinee Item Times	Provides time (latency) used on individual items.
Examinee Test Detail Report	Provides information on an examinee's encounter with a single test. Useful for examining adaptive test data because you can track the path of the adaptive algorithm. (Only available for individual examinee exports)
Examinee Score Report	The score report that you have designed for the test taken. (Only available for individual examinee exports)





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

*Take Control of Your Program with*

**Certifi**  **r**

Take Control Of Your Credentialing Process



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### *Take Control of Your Credentialing Process*

*Certification organizations need a solution that they can control and trust so they can concentrate on growing their program. Too many certification organizations over-rely on vendors, leading to lack of program control as well as process inefficiency. It is time to empower certification organizations with a revolutionary solution that allows the utmost flexibility and configurability while promoting efficiency. It is time for Certifior.*

*Certifior is our industry-leading platform designed to manage all of the operational aspects of testing programs, from candidate management to live or remote proctored delivery to recertification.*

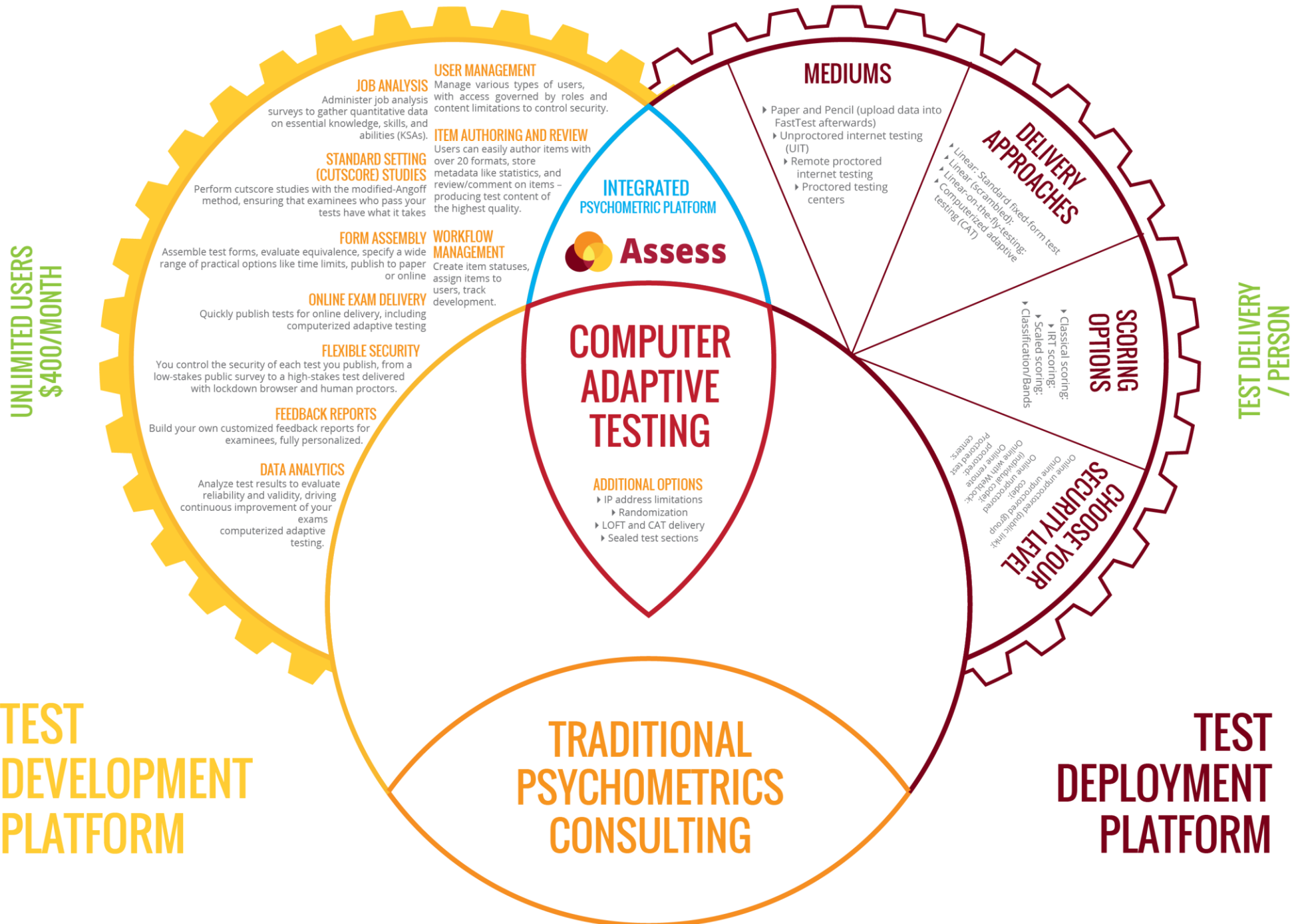
## Certification Management & Proctored Delivery

- ▶ Automatically schedule and confirm with test locations within the Assessment Systems test network
- ▶ Deliver tests securely in the test centers
- ▶ Establish a branded subdomain at [yourorg.certifior.com](#)
- ▶ Specify registration information such as prerequisites and exam pricing
- ▶ Determine examinee communications
- ▶ Process examinee registrations
- ▶ Collect payments
- ▶ Display or email initial examinee feedback reports
- ▶ Provide official letters, certificates, photo IDs, and other tangible indicators of accomplishment to examinees that pass the exam
- ▶ Manage examinees
- ▶ Report on important aspects such as marketing, psychometrics, and accounting





# Assess Platform







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

**<YOUR NAME>**  
**<EMAIL ADDRESS>**

*[www.assess.com](http://www.assess.com) / [info@assess.com](mailto:info@assess.com) / 1-800-649-7159*