Spilling the Tea on QTI® 3!

1EdTech's Question & Test Interoperability (QTI)® Standard



Welcome to our Webinar

Agenda

- Meet our Speakers
- What is QTI?
- Presentation: What's in it for you?
 - Institutions
 - Suppliers
- Your turn to ask questions





Welcome to Our Presenters



Miranda Mclaren
Executive Director
Office of Accountability &
Assessment

Gwinnett County Public Schools



Scott Hill
Assessment Technology
Specialist, Assessment Innovation
Educational Testing Service

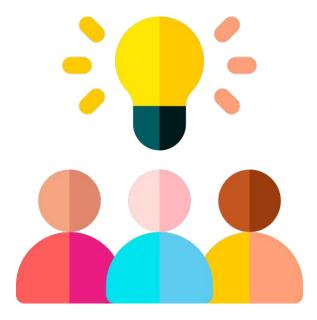


Susan Haught
Technical Program Manager,
Product Management
1EdTech Consortium, Inc.

The Why: An Established Need to Communicate QTI 3's Value

The Assessment Product Steering Committee (PSC) determined there was a need for a tool to help them explain the value of QTI 3:

- Within their own organizations
- With their customers
- With other suppliers





What is the Value of QTI? Questions from the Implementers...

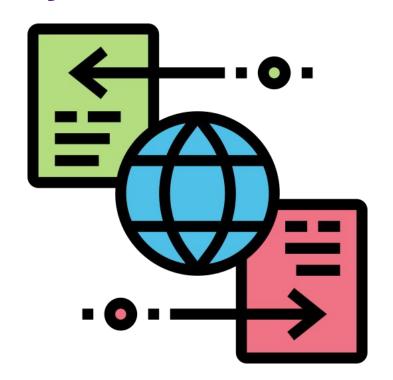
Here are the questions we thought about:

- What are QTI's features that bring value to the implementers, educators, and students?
- 2. How does QTI meets our users needs?
- 3. How can we quantify this value?





Digital Assessment and QTI



1EdTech's members' assessment experts developed an open standard format for the exchange of:

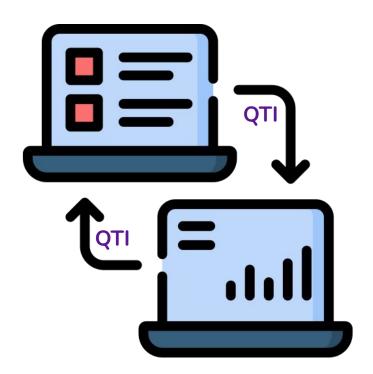
- Items (questions) and tests
- structures
- scoring information
- results
- Including accommodations for every learners' needs



QTI - The Global 1EdTech Open Standard: What is it?

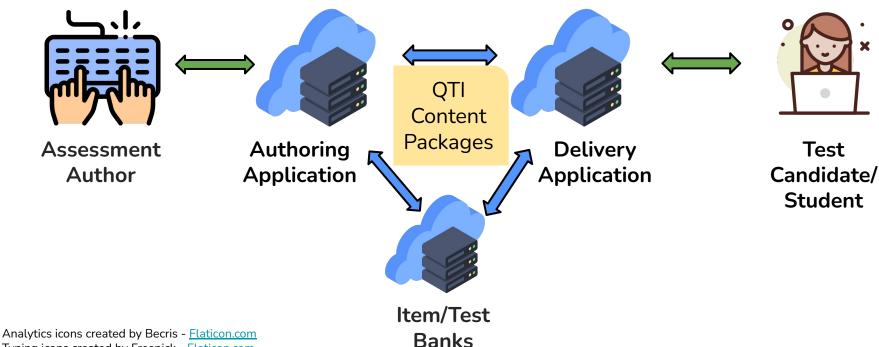
The QTI specification was created to facilitate the exchange, presentation, and storage of assessment content.

It is a way to send assessment items/questions and tests from one application to another and have those tests and items work and be presented correctly.





QTI is an Exchange and Presentation Standard for Assessment



Typing icons created by Freepick - Flaticon.com
Server icons created by vectorsmarket15 - Flaticon.com
Student icons created by Darius Dan - Flaticon.com
Customer icons created by Uniconlabs- Flaticon.com



Key Description Points of QTI 3

Industry standard for...

- Accessibility
- Accommodations
- Standardized presentation and behavior
- Interoperability & Portability
- Robust psychometric data format
- Standardized results and usage data
- Flexible extension points
- Connecting with other 1EdTech Standards





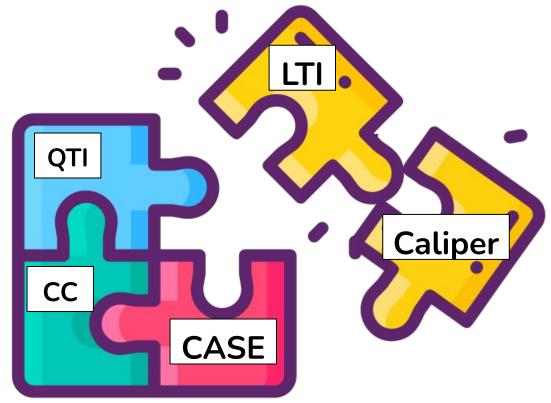
QTI Works with other Standards in the 1EdTech Ecosystem

Key:

*LTI Advantage - Learning Tools Interoperability Advantage

*CASE - Competencies & Academic Standards Exchange

- *CC Common Cartridge
- *QTI Question & Test Interoperability
- *Caliper Caliper Analytics





QTI: Used Around the World

Including North America, Europe, Asia, Middle East, Africa, and beyond





Members Who Use QTI

BPS Bildungsportal Sachsen GmbH

1EdTech Japan Society ETS Smarter Balanced

University of Kansas Achievement Atomic Jolt and Advancement Institute OAT Cambium Learning

Benchmark Education Casio Gwinnett County Schools

NWEA Amp-up.io Cito Apenutmize WIDA

Ramsey Solutions

Accelerate Learning Cognia Maryland DOE Escambia Schools

NetLearning New Meridian itslearning

PowerSchool Chicago Public Schools /

go i ablic Schools

Larson Texts



MaivenPoint

Pearson

Institutional Perspective

Gwinnett County Public Schools

Miranda McLaren

Executive Director
Office of Accountability & Assessment
Gwinnett County Public Schools

Value of QTI 3 Certification for Institutions





How Can QTI Help Institutions?



- Meet the Assessment/Curriculum expert at an institution
- Her team has worked tirelessly to create assessments with items(questions) that are tagged to the academic standards, grade level, etc. and have been authored per their district benchmarks
- The district is procuring another assessment application, so the application that her team has authored in will be replaced.
- Will she have to manually recreate all of these assessments in the other application?

Hint: Not if the suppliers use QTI 3 and are certified!

QTI 3 Benefits

Ownership of content in a portable format

Open Standards save time and money



Volume and Scale for tests exchanged

Accessibility:
Section 508,
WCAG 2.1 AA,
and K12
accommodations

Benefits of Using QTI



Results Reporting data and Caliper Analytics

Flexibility to move to digital assessments



Assessment Platforms and LMS's using LTI need to use QTI

Content Ownership

- By using a standard exchange format, you can connect to a whole ecosystem of suppliers that can work together
- You own your content you're not locked into proprietary vendor formats
- Switching vendors can be difficult, but the content format shouldn't be one of them
- New presentation classes mean greater consistency for preview, review, and delivery





Requiring Certification & Application of the Standards

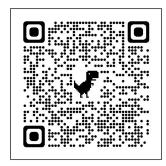
- Certainty that supplier is compliant reviewed and validated by 1E
- QTI versions 2.2 and 3.0 have rigorous certification programs
- Ongoing QTI working group for implementation issues
- Certification is listed in 1EdTech Trusted Apps Directory
- Includes details of application capabilities & profile levels





RFP language

1EdTech resource to start you on your drafting process:



1EdTech staff here to support you!





Why You Should Care about QTI® Certification

If a product is certified for QTI, you can **trust** that it has been:

Tested against the 1EdTech acceptance criteria

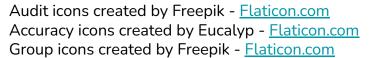
2



Tested with the 1EdTech validators



Audited by the 1EdTech staff and your supplier





Supplier's Perspective

Educational Testing Service (ETS)

Scott Hill

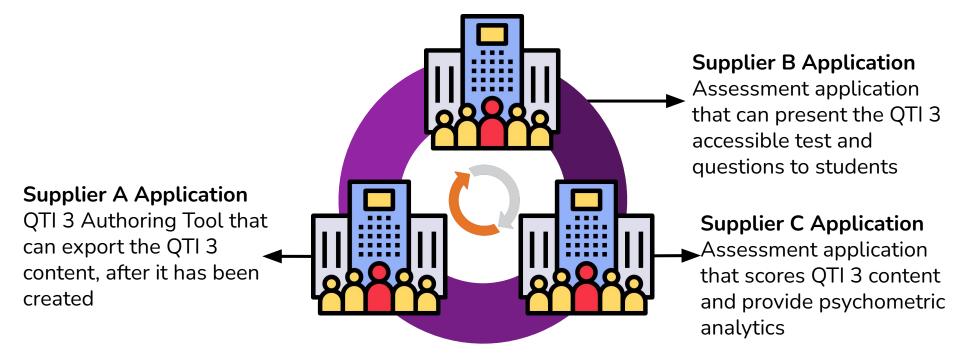
Assessment Technology Specialist, Assessment Innovation Educational Testing Service

Value of QTI 3 Certification for Suppliers





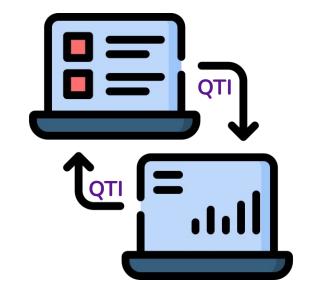
How Can QTI Help Suppliers? Exchange Scenario





The Interoperability of QTI 3

- Adopted by dozen's large-scale companies and countries as THE assessment exchange format
- Accepted by an ever larger number of suppliers as the "universal donor" format
- Supported by open-source assessment platforms
- Many systems take advantage of launching assessment sessions using 1EdTech's LTI and OneRoster standards
- Well-documented and freely available
- Supported by 1EdTech staff and members in the active Working Group and Assessment Product Steering Committee







The Value of a 1EdTech QTI Certification

- Multiple-vendor/supplier contracts go more smoothly
 - import and export of content based on validated, interoperable format
 - Less time doing transformations from proprietary formats
 - Reduces risk for deliverables.
- Less rework and cost with customers
- Demonstrates your organization is aligned with assessment industry, and passes outside scrutiny
- Ready for RFPs



Ready for RFPs

Having an existing certification gives you response readiness and a comparative advantage over competitors



- Increasing number of educational institutions requiring standar
- Contracts may require current 1EdTech certifications
- The certification logo is free to use for product promotion when certified
- Certification is proof of your organization's commitment to standards and interoperability



Getting to Certification



- 1. **Gap Analysis** for the profiles you are targeting: Basic, Advanced, Elevated Accessibility, or Community Profile
 - a. Project Manager 2 hours
 - b. Development Team 16 hours
- 2. Conformance Alignment Development (if any)
 - a. Team Estimates of Effort
 - b. Development and Verification
 - c. Set up regression testing for future releases optional



Cost of Certification Process

- Free to any level of 1EdTech membership: Contributing Member, Affiliate Member, or eAssessment Alliance
- No limit on number of certifications
- Free advice and assistance from 1EdTech support staff
- Content Packages (sample) just need to pass the validator for certification
- For applications, the greatest effort is in the initial certification





Projected Minimum Effort for Initial Certification

1EdTech supplies a full Conformance & Certification document and online instructions, including test content with acceptance criteria and checklists

Certification Step	Project Manager	Development Team
Learning the certification process	2 hours	1 hour (Team Leader)
Testing, Checklist completion, submission	2 hours	8 hours
Certification Audit	1 hour	2 hours

5

11



Get Certified and Stay Certified



- There is an online validator tool, and
- Local validation is available for connection to regular regression testing for members
- Applications are required to renew their certification every year (QTI 3)
 - Applications are under constant development, and may inadvertently become non-conformant
 - Resubmit test results for import/export with completed checklist
 - No audit required for certification renewal



Strategy

 Assessment Product Steering Committee (PSC)

Leadership

 Assessment Institutional Leadership Network (ILN)

Technical

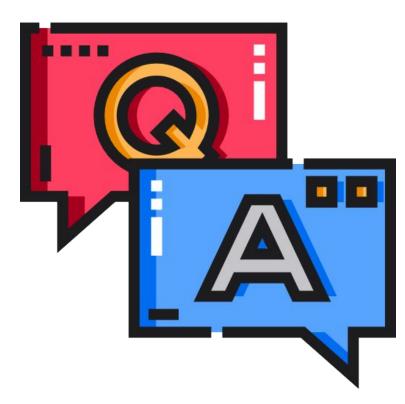
QTI Project Group

Showcase and Learn

- QTI Adhoc Roundtables
- QTI for Beginners Roundtables (Monthly)
- Learning Impact Conference
- 1EdTech Technical Meetings



Questions?







Scan the QR code to access:

- Pitch Decks
- QTI Toolkit







Join us from June 3-6 in Salt Lake City, Utah for more great QTI content!

Register Now



https://www.1edtech.org/event/li/2024

Contact Us:



Susan Haught
Technical Program Manager
1EdTech, Consortium, Inc.
shaught@1EdTech.org



Tom Hoffmann
eAssessment Sector Advocate
1EdTech Consortium, Inc.
thoffmann@1EdTech.org

