Feature list

Key to stakeholders

S Test sponsor   D Test developer   A System administrator   M Test centre manager   C Candidate

Feature		Detail
End to end solution From test sponsors through to individual candidates, a comprehensive solution covering the full spectrum of organisation and role requirements.	S	Features include: • Multi-tenanted environment • Configuration options at all levels within the organisation hierarchy • Granular, role-based access
Common user interface One common ATLAS Cloud environment allowing access by all stakeholders.	S	Stakeholders can include: • Test sponsors • Test designers • Item authors • Curriculum managers • System administrators • Test centre managers • Invigilators/Proctors • Candidates • Test analysts
Flexible licensing Flexible licensing options to match your commercial delivery model and maximise revenue potential.	S	Options include: • Free at point of use • Pre-pay • Consumption based • Site based • Candidate based • Test based • Revenue share
Multi-modal delivery ATLAS Cloud provides access to the broadest range of delivery options which cover the spectrum from ultra high stakes to formative assessment.	S M	Delivery modes include: • High stakes invigilated • Remote proctored (live) • Remote proctored (record and review) • Testing kiosk delivery • ATLAS Anywhere (virtual test centre) delivery • Un-proctored summative • Un-proctored formative
User interface Customisable user interface with client branding and extensive configuration.	S D C	Customisation includes: • Logos • Colour schemes • Button styling • Candidate control (navigation options etc.) • Multi-lingual and/or localised terminology

Item types

Comprehensive selection of item types to deliver an effective and engaging test experience.

(S) (D) (C)

Item types include:

- True/false
- Multiple choice
- Multi-option multiple choice
- Multiple choice with confidence
- Information
- Short answer
- Fill in the blank
- Essay style
- Drag and drop
- Hot spot
- Matching
- In video (reaction)
- Punctuation/grammar
- Object ordering
- Simulation (using our KStutor tool)*
- In application (Microsoft Office)
- Audio/video
- Speech capture*

Item banking

Comprehensive item banking capability to provide efficient management of items across multiple tests, curricula and certification programmes.

(D)

Features include:

- 'Measuring point' based item structure
- Import/export item banks and tests
- Import/export metadata
- Bulk edit
- Item creation and editing
- Item bank publishing for on the fly test creation by instructors

Item authoring

Intuitive item authoring suite with WYSIWIG editor, enabling instructors and internal teams to create content rapidly in a 'safe' wizard driven environment before publishing live to the item bank.

(D)

Item authoring includes:

- Intuitive item creation
- Rich media support including images, audio, video, links
- Item weighting
- Friends/enemies
- Instant preview
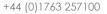- Development workflow

Test creation

Broad range of test creation and item selection models to meet the various needs of event-based and continuous testing.

(D)

Options include:

- Multiple test streams
- Item selection options:
  - Fixed item list
  - Linear on the fly testing (LoFT)*
  - Multi-stage static adaptive
- Randomisation of items and distractors
- Inclusion of non-question pages for information or pause
- Adaptive mapping to various curricula and taxonomies
- Precise version control
- Extensive test property settings

Test configuration

Intelligent test delivery with granular control over run-time parameters to fine-tune the candidate's test experience.

(D)

Controls include:

- Test duration/untimed
- Clock and reminders
- Retake/attempt limits
- Pause and restart allowed/not allowed
- Range of navigation options from fixed test to free navigation between questions
- Candidate tools e.g. calculator, web access
- No feedback, scores only, detailed feedback options
- Customise results page

Marking

The majority of results are automatically marked instantly upon test completion, but there are additional manual marking options available to increase flexibility.

(M)
(C)

Options include:

- Automated end of test marking
- Dynamic multi-stage static adaptive marking (in test)
- Manual marking of online essay type responses
- Manual scoring of external test resources

Test results

Once marked, there are a variety of ways in which the results can be shared with the candidate, managers and other stakeholders.

Results can be delivered immediately, or withheld. Feedback can be a simple pass / fail, an overall score, a section by section breakdown, a review of all questions or even a full personalised diagnostic learning plan with gap analysis vs required learning outcomes.

(S)
(D)
(A)
(M)
(C)

Results can be made available:

- To candidates (with the prescribed level of detail)
- To managers and other system users
- Via our APIs to third-party and legacy systems

Test results detail

For candidates specifically, there is fine control over the extent of the results data given.

(C)

Options include:

- Delivered immediately or withheld
- Simple pass/fail
- Section by section review
- Question level review
- Personalised diagnostic and learning plan (with gap analysis against target outcomes)

Management information

Extensive reporting and analysis provides a rich source of management information for use by all stakeholders.

(S)
(D)
(A)
(M)
(C)

Outputs include:

- Candidate reports
- Individual/group outcomes
- Delivery statistics
- Question/test validation
- Custom reports/data extracts

Item validation

There is an extensive amount of data collected during the testing cycle to facilitate the generation of a detailed Item Performance Report (IPR) which provides a statistical analysis for the item and its usage.

The IPR details:

- Item ID
- Number of times the item has been displayed in a test
- Number of times the item has been answered
- The item difficulty through p-value
- Number of times the item has been answered correctly
- The item discrimination value
- Number of times a distractor is selected

Test validation

The same is true for the creation of a Test Performance Report (TPR).

The TPR report details:

- The test ID
- The test name
- The date and time that the test was taken
- Responses that were provided for the test
- The correct and incorrect items
- The total score

Access/rights management

Access is tightly controlled both in terms of access to areas of the organisation hierarchy and role-based access rights.

Focussed user roles include:

- Candidate/learner
- User Administrator
- Settings Administrator
- Invigilator
- Certification Manager
- Support
- Virtual Server Administrator
- System Administrator

Plus Item Bank administration roles

Role details

Candidate/learner

The basic access level for all users is that they are assigned the Candidate (or Learner) role.

This role gives a user the permission to login to the system, use resources and change their user profile (if permitted). Users who have been assigned just the Candidate role, will only have access to the candidate area of ATLAS Cloud, where they can view and access their assigned resources, view results and see the profile details for their account.

User Administrator

The User Administrator role is responsible for managing Users, Groups and Customers. This includes viewing and editing the information, assigning resources and controlling user access/roles.

Settings Administrator

The Settings Administrator role enables the user to apply settings profiles to users, something which a user Administrator is not permitted to do.

Role details cont.

Invigilator

The Invigilator role allows the user to invigilate a test for a group of Candidates, but without any of the other User Administrator functions.

Certification Manager

The Certification Manager role permits the management of the Knowledge Objectives and Manual Tests for a VS by creating, removing and replacing Knowledge Objectives and Manual Tests.

Aside from VS and System Administrators, only the Certification Manager has access to the Knowledge Objectives main tab.

Support

The Support role gives the user the right to use the Set User function to proxy to another Candidate user. Its use should therefore be tightly controlled.

Test Manager

The Test Manager role enables the user to upload tests and other resources, set categories on them and run the TVR report (if that is enabled), but without the other VS Administrator functions.

Virtual Server (VS) Administrator

VS Administrators manage the VS(s) to which they are assigned and their resources. This includes creating additional 'child' VSs and changing the settings for any VS to which they have access.

The VS Administrator also manages the online tests for their VS, including importing, removing and replacing content. Apart from the System Administrator, only the VS Administrator has access to the Resource Catalogue main tab.

System Administrator

The System Administrator role can bypass most permission checks. This is for PSI staff only.

Item bank administration roles

Item Bank Admin - permits functions that cover the whole item bank including export, add metadata values and bulk edit of items.

Item Bank Test Admin - can work with tests in an item bank, create streams, add items to streams.

Item Bank Item Admin Can work with items in an item bank, create items, edit and publish.

Organisation/user management
Comprehensive suite of administrator tools to manage and maintain extensive user populations.

(A) (M)

Tools include:
- Manage organisation/user details
- Assign user roles and access rights
- Test assignment
- Extended time/special conditions
- Invigilation
- Scheduling
- Manual/automated assignment
- Licensing and credits controls

Invigilator tools
The range of specific tools available allows for the effective invigilation of testing for individuals or large groups of candidates.

(A) (M)

Features include:
- Specific Invigilator login and access rights
- Ability for invigilator to provide access to tests for candidates
- Creation of invigilator keys for multiple candidates within a specific timeframe

Combined test and learning management
Enabling the management of both test content and courseware in one place, with access to adaptive learning capability to connect the two.

(S)

Combine:
- Test delivery
- Learning delivery
- Reference materials
- Adaptive learning

Manage learning objects
Upload SCORM packages and/or non-trackable items (such as PDFs and PowerPoint files) and combine multiple lessons/items into structured courses.
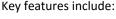
(D) (A)

Features include:
- Uploading custom and third-party SCORM content
- Combining multiple SCOs to create multi-lesson content
- Package file-based materials and URLs as SCORM content
- Add packaged content to learning plans or combine with other lessons

Adaptive learning
The combination of learning and test management on a single platform allows us to create a powerful adaptive learning environment, where diagnostic testing can be used to create customised personal learning plans.

(S) (D) (C)

Key features include:
- Automatic creation and display of recommended learning upon completion of diagnostic
- Linking of tests and learning content via the Measuring Point List (MPL)
- Control over threshold values to trigger learning requirement
- Configured within the platform itself

Support for open standards
Within our test delivery platform, we support standards such as SCORM and QTI to provide cross platform interoperability and sharing of learning and test objects.

(S) (D) (A)

Standard supported:
- Shareable Content Object Resource Model (SCORM)
- Question & Test Interoperability (QTI) import/export

API suite

Our suite of APIs is designed to manage the secure flow of data from one system to another even when they have different data formats or interface standards. Bespoke data flows and processing maps can be also configured.

This approach combines the convenience of retaining existing systems with secure test delivery and the maintenance of strict version control, as well as enforcing test integrity by ensuring that all item statistics are collected and available for item review.

In addition to Single Sign-On (SSO), applications for the API include integration with:

- Bookings systems
- Virtual Learning Environments
- Learning Management Systems
- Candidate management systems
- eCommerce
- Reporting engines and data warehousing

Note (*) These are roadmap items. We have an ever evolving product roadmap, driven by client requests. Items within the roadmap can be expedited as necessary. We welcome all opportunities to share innovation where this increases the body of knowledge on eAssessment and provides outputs that will benefit multiple organisations.