

Test Registration Backlog

as of May 2014 delivery to AIR

The following captures the known outstanding functionality left for Test Registration as well as any known remaining technical tasks. The schedule for completion of the backlog is not determined. External dependencies have been noted where given as reason for being in the backlog. Please note that the inclusion of these items does not guarantee eventual completion. Scheduling for completion of these tasks will need to be prioritized and coordinated by all involved stakeholders within the schedule and finite resources of the Smarter Balanced 11 contract.

1. **Multiple TSB:** The integration with Test Specification Bank is completed and working. The option to add multiple TSB targets to browse assessments will need to be added, with special thought to the User Experience for identifying and choosing which to look at for assessments.
2. **Two Data Warehouse config sets:** The integration with an upstream warehouse is completed and working including encryption, digital signing & shared key authentication for the SFTP site. The option to add an additional configuration set for exporting student eligibility records (with a configurable option for “Sharing Student Identity Data”) will need to be addressed.
3. **General Improvements:**
 - a. **Test Delivery API improvements:** complete integration testing when AIR is available, also add a few identified webservice endpoints for specialized data not covered by existing APIs.
 - b. **Validation of accommodation subjects:** add filter for identifying accommodations that have subjects that do not match the loaded assessments.
 - c. **Entity Type consistency:** This is a cross cutting (progman, shared security, test reg) refactor that will ensure consistent persistence and display of the entity types.
 - d. **Error messages:** several small tasks about reviewing/polishing the error messages
4. **Permissions/Security:** The security model for entity, user, students is more involved than in typical components. These business rules are defined and currently in progress. Full testing will be completed prior to delivering this update due to the risk associated with applying these types of rules.
5. **Authentication/Authorization**
 - a. server to server credentials eventually x509 certs. Public API will need work.
 - b. SAML certificate & metadata file generation for provisioning of servers due to reliance upon dependencies that are reliant upon targeted hosting

environment. Hosting entities will have to configure their own certificates and consider options for metadata hosting/OAM config.

- c. User Password change redirect goes to a 404. This issue was reported to Identity Fusion on 3/12/2014, and may be strictly limited to test users.
 - d. Error handling of downward dependent systems outages. Error reporting & user experience issues need to be worked through for all applications This is a usability vs. security balancing act. Internally log the issue & present a generic message to the user re: Tenancy & Role setup by an administrator.
 - e. Misc. improvements from usability and edge/corner cases with login/logout scenarios. Example being timeouts (may be limited by SAML integration)
6. **508 changes:** 508 changes as specified in the document delivered by AIR on 2/18/2014 titled: "SBAC11 - Accessibility Requirements.docx" are considered a backlog item to be delivered at a future date. Including UI changes (such as sort arrows) in addition to the HTML markup (ex: ARIA tags).
7. **Deployment/Performance:** Test Registration by nature deals with bulk uploads with involved cross entity validations. In addition to the security and business rule validations, mutation events trigger other cross collection calculations (ex: eligibility, user provisioning). For this reason performance considerations have been taken into account given the volume of data that is realistic in an operational system. The ability to make a component perform is extremely dependent upon usage patterns as well as the deployment environment. As performance bottlenecks are identified during Integration testing, caching and/or other optimizations may have to be implemented.
8. **Technical Tasks:** There are various technical tasks, and investigation projects that were not considered critical path to required functionality. These tasks have been noted in internal DRC task tracking. If the schedule allows and priorities dictate, these items can be scheduled to be worked on.