

Content Testing Tools User Guide

This guide is to be used with the eHealth Exchange enhanced content test program launched on February 5, 2018

Version 1.0

An initiative of





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Step #1 – Submit Content Testing Survey/Application

- eHealth Exchange Content Testing Survey / Application
- Required to gain access to tooling
- One form per organization identifying all users to be added for testing
 - Name, email, phone
- Asks for all source systems expected to be tested
- Asks for additional details useful for trading partners to know
 - Some details may be published in the eHealth Exchange Directory in the future
 - Please follow <u>Sequoia Joint Technical Workgroup</u> to stay informed
- Requests or updates or New users after initial request
 - Submit new form w/additions to <u>testing@sequoiaproject.org</u>



Step #2 – Activate Account

- Sequoia Staff create your organizational account and send activation emails to new users
- User IDs will be first initial + last name or some variation
- New Users must select hyperlink in activation email received from testing@sequoiaproject.org

Each new user will receive an email from testing@sequoiaproject.org similar to below with their name and organization and username ID:

Your administrator just created an account for you on Gazelle.

(Organization name),

You need to click the following link to confirm the validity of your e-mail address and to activate your account with the username: 'didid'.

https://validation.sequoiaproject.org/gazelle/firstUserRegistration.seam?activationCode=b371efeb29ce698e8ab353adff711ed1

You will be prompted to change your password on Gazelle.

Didi Davis

Dear New User

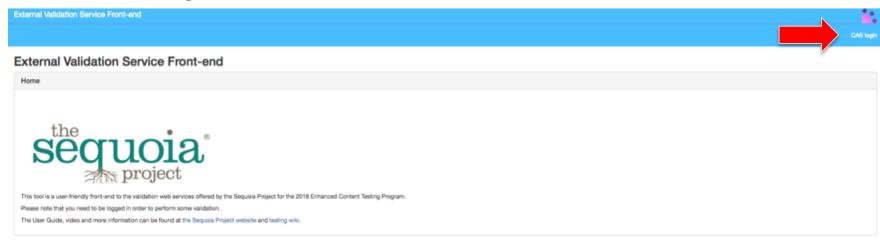
Each new user must click the URL link to confirm validity of email

This will prompt you to set your new account password

User ID

Access Tooling/Login

- 1. Visit https://gazellecontent.sequoiaproject.org/EVSClient/home.seam
- 2. Click CAS Login





Have Credentials Already?

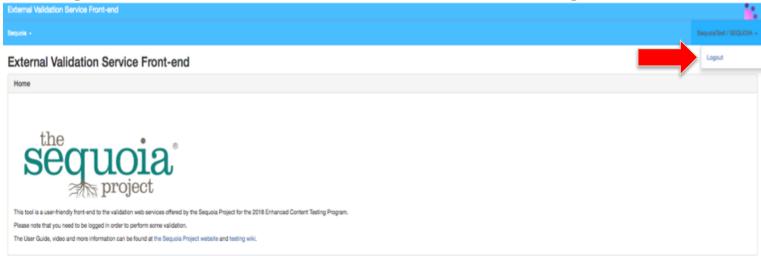
- If you have already been granted access to the tooling, type your user ID and password to gain access and click login
- Begin validation of your clinical documents





Logoff Tooling

- Once you have completed testing, it is advised to logout of your session and close any open windows. Reminder that this tooling does open sequential windows at times for one document validation depending on your navigation. This is meant for convenience.
- To logout do this and close all windows from testing:





DO NOT Use Create an account Feature

Sequoia will not be able to match new users to organizations using this method



CAS - Central Authentication Service For

Sequoia Project Conformity Assessment Testing

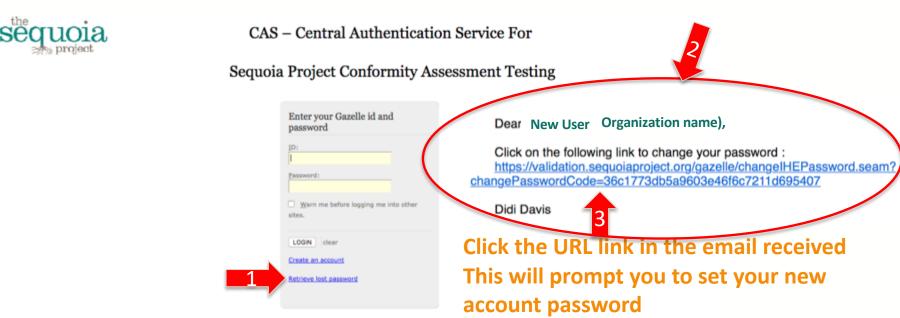


For security reasons, please Log Out and Exit your web browser when you are done accessing services that require authentication!



Retrieve/Reset Password Step 1 - Request

- 1. If you have lost or forgotten your password, retrieve your lost password.
- Email will be received from <u>Testing@sequoiaproject.org</u> with a subject of "Gazelle – Password assistance"
- 3. Click on link received from email to complete reset password process

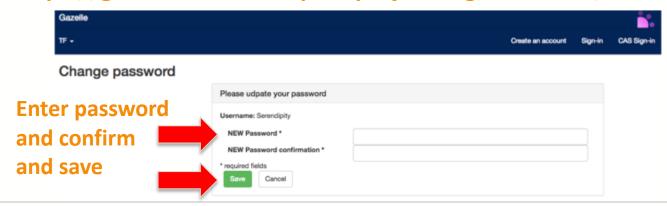


For security reasons, please Log Out and Exit your web browser when you are done accessing services that require authentication!



Retrieve/Reset Password Step 2 - Request Email Received

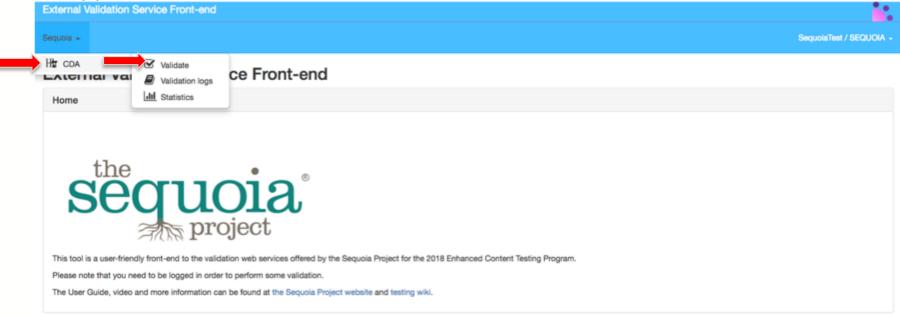
- Once you receive the email for your password reset you will need to click on the hyperlink within the email and complete the following steps:
- Reset/Enter your new password and confirm a second time
- Press Save
- NOTE: You will be redirected after this reset and will need to navigate to back to the content machine URL to access the tooling with your new password
 - https://gazellecontent.sequoiaproject.org/EVSClient/home.seam





Validate a CDA/CCDA Document – Step 1

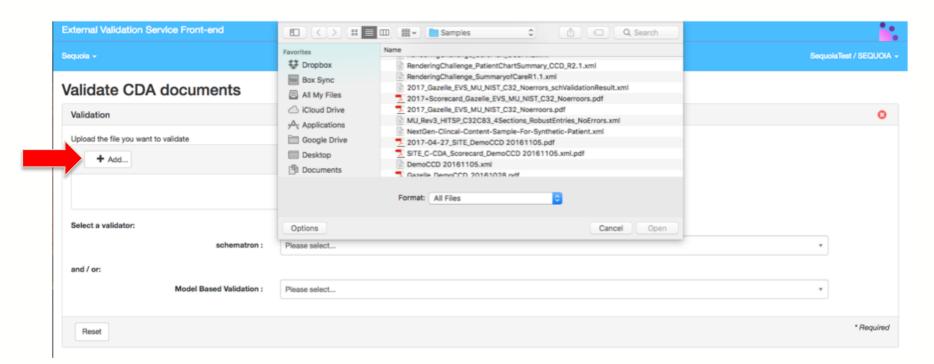
- Access the tooling https://gazellecontent.sequoiaproject.org/EVSClient/home.seam
- Once logged into the tooling, navigate to the upper left corner of the application and select validate as shown below:





Validate a CDA/CCDA Document – Step 2

 Select Add button and choose document you wish to upload from your local storage.

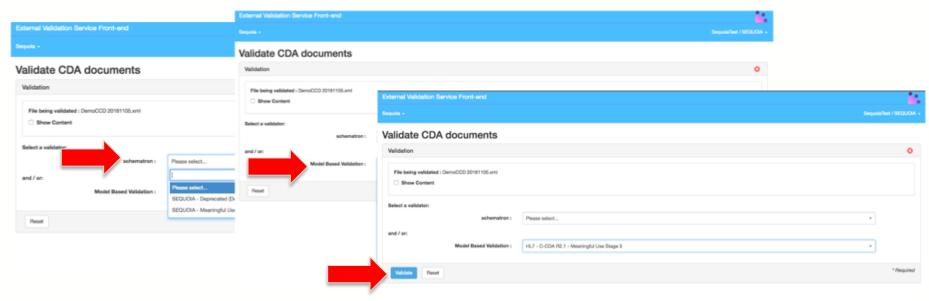




Validate a CDA/CCDA Document – Step 3

Select appropriate validation for your version of document

- A. For MU 2011 Edition: choose schematron/MU HITSP 32
- B. For MU 2014 or 2015 Edition: choose Model Based Validation and R1.1 or R2.1
- C. For any other Universal Realm CDA document choose HL7 CDA Release 2
- D. Press Validate button

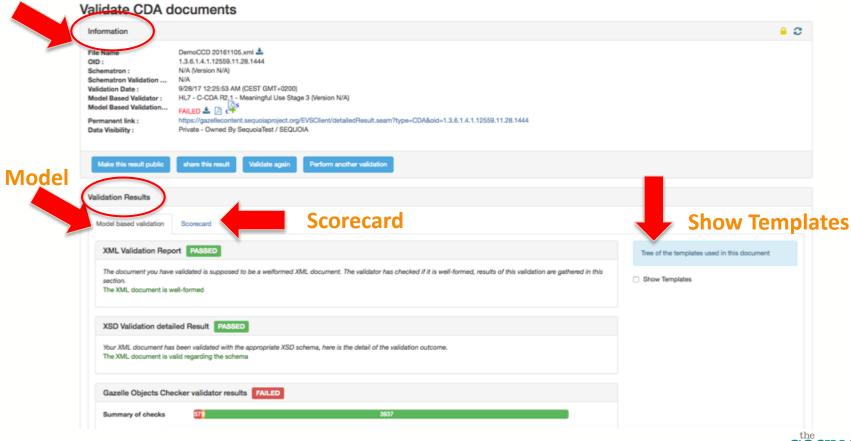






Review Sections in Report for Pass/Fail

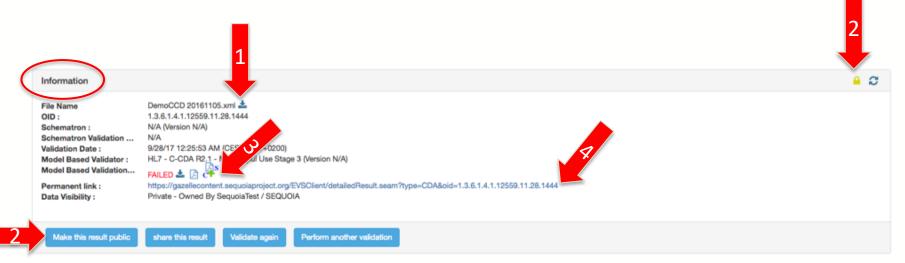
There are different ways to slice and dice the testing results
 Information Section



Review Content Testing Information Section

Information Section

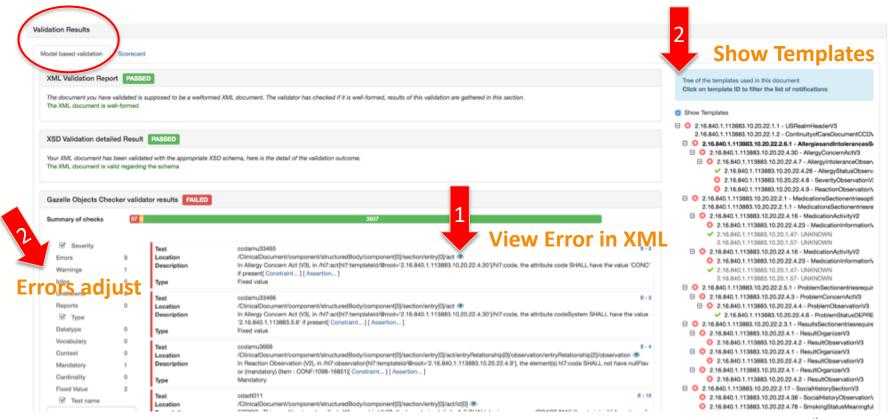
- 1. The document sample tested is permanently stored with the results and can be downloaded if required
- 2. The testing result defaults to locked status, unlocking or making public can make this available for all testing organizations to view and download
- 3. Testing reports can be downloaded
- 4. Permanent Link





Review Validation Result Section Templates Tree

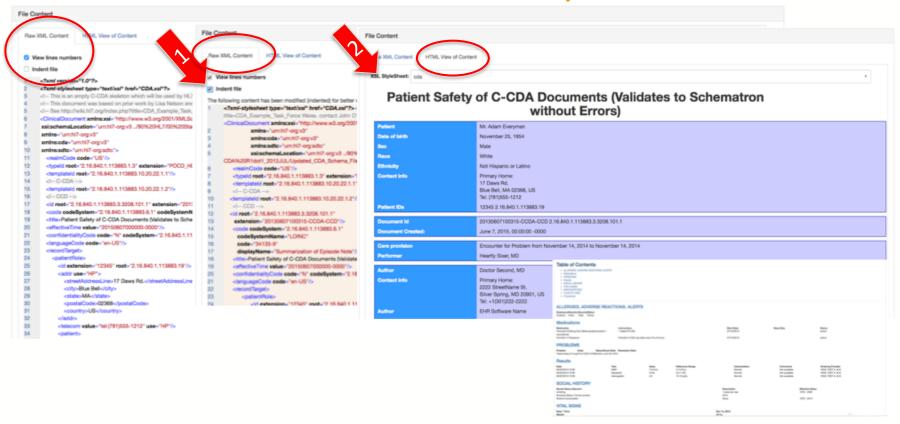
- 1. Click on eye icon to view error within XML
- 2. Click Show Templates to get this view and errors adjust on the left side





File Content Section

- 1. Raw XML allows user to indent file to make more readable
- 2. Click on HTML View of Content & select desired stylesheet view





Review errors in line with XML

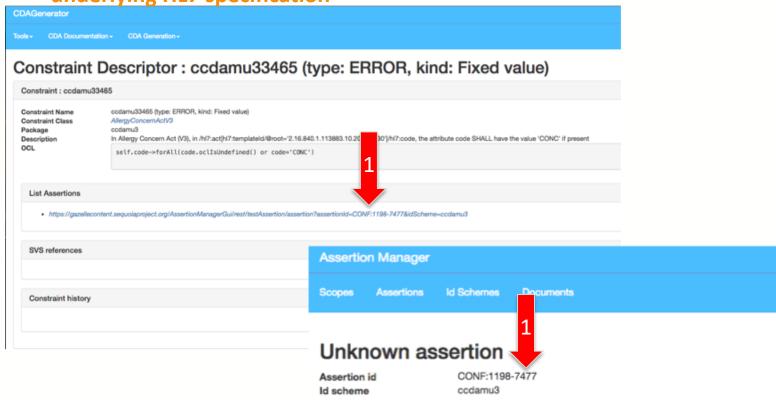
- 1. Descriptions of errors can be found within XML
- 2. Click on Constraint and Assertion to get additional details for troubleshooting

```
214
215
                        Codeine
216
                        Hives
217
                        Fatal
218
                        Active
219
                      220
                    221
                  222
                </text>
223
                <entry typeCode="DRIV">
224
                  <act classCode="ACT" moodCode="EVN">
          (2/167)
                                                ccdamu33465
                      Test
                      Location
                                                /ClinicalDocument/component/structuredBody/component[0]/section/en
                                                In Allergy Concern Act (V3), in /hl7:act[hl7:templateId/@root='2.16.840.1.1
                                                                                                                  10.20.22.4.30'J/hl7:code,
                      Description
                                                the attribute code SHALL have the value 'CONC' if present[ Constraint... ] [ Assertion... ]
225
                    <templateld root="2.16.840.1.113883.10.20.22.4.30"/>
226
                    <!-- ** Allergy problem act ** -->
227
                    <id root="36e3e930-7b14-11db-9fe1-0800200c9a66"/>
228
                    <code code="48765-2" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="Allergies, adverse reactions, alerts"/>
229
                    <statusCode code="active"/>
230
                    <effectiveTime value="20090909">
231
                      value="20090902"/>
232
                      <high value="20100103"/>
233
                    </effectiveTime>
234
                    <entryRelationship typeCode="SUBJ">
235
                      <observation classCode="OBS" moodCode="EVN">
236
                        <!-- allergy observation template -->
237
                        <templateld root="2.16.840.1.113883.10.20.22.4.7"/>
238
                        <id root="4adc1020-7b14-11db-9fe1-0800200c9a66"/>
239
                        <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>
240
                        <statusCode code="completed"/>
241
                        <effectiveTime>
242
                          <low value="20000215"/>
243
                        </effectiveTime>
244
                        <value xsi:type="CD" code="416098002" displayName="drug allergy" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT"/>
245
                        <participant typeCode="CSM">
```



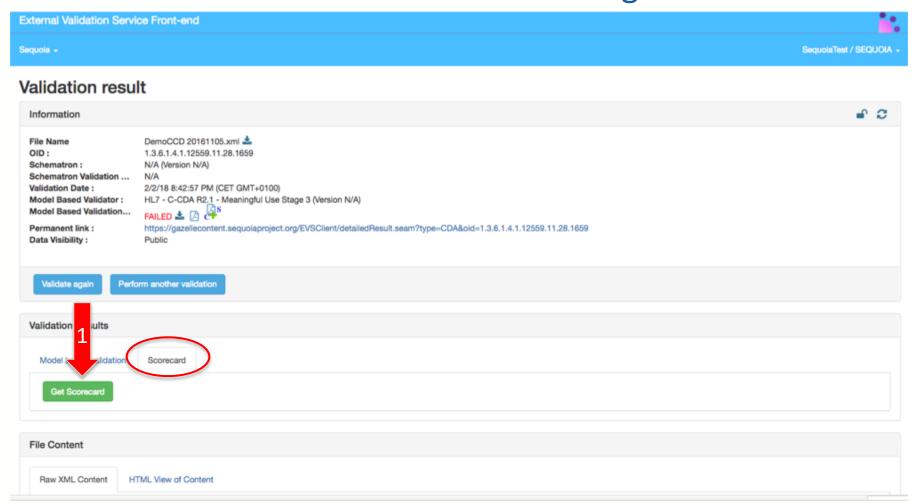
Constraint & Assertion Hints

1. Constraints will provide the CONF: xxxx-xxxx that corresponds to the base underlying HL7 specification



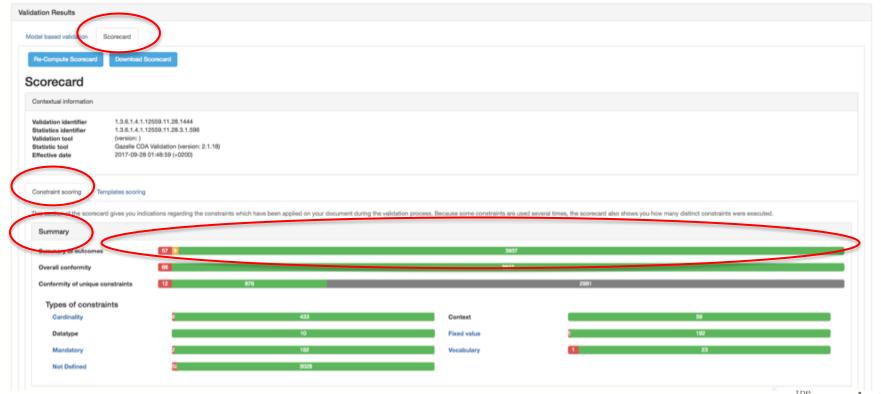


Scorecard Tab – Click Get Scorecard to generate view



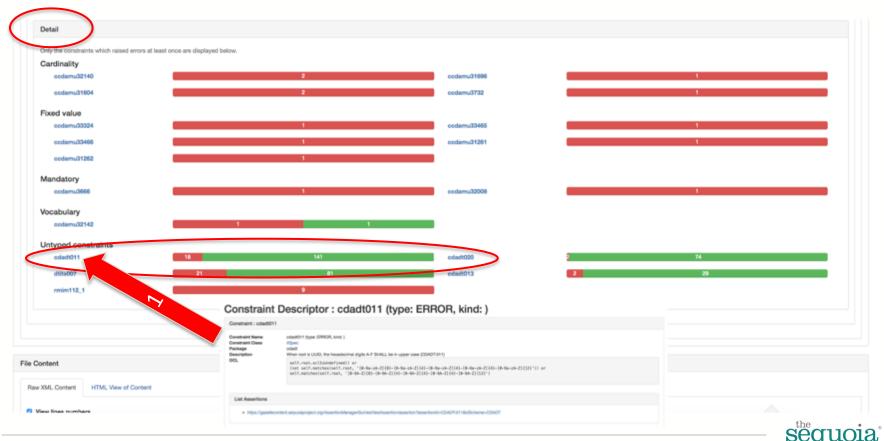
Scorecard Constraint Scoring/Summary Section

- 1. This view provides a summarized view of errors/warnings/info items
 - Red numbers are errors
 - Orange numbers are warnings
 - Green numbers are informational



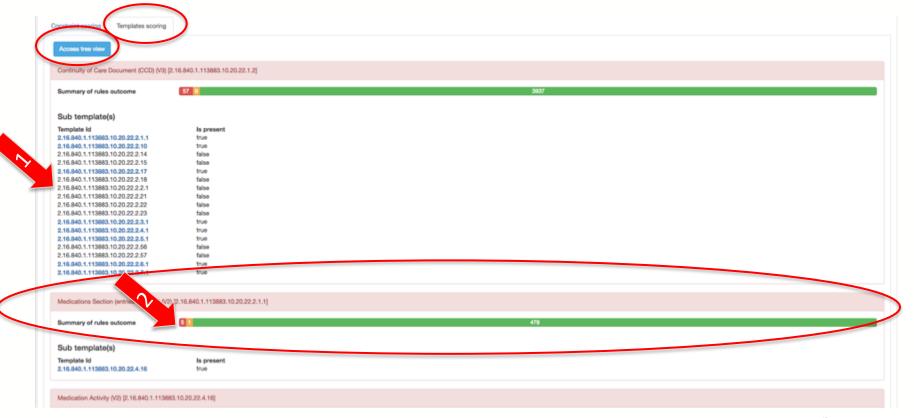
Scorecard Detail Section

1. This provides a summarized view of errors/warnings/info items per individual item to allow organizations to focus on recurring errors by type - Items show in blue are hyperlinked to constraint



Scorecard – Template Scoring/Access Tree View

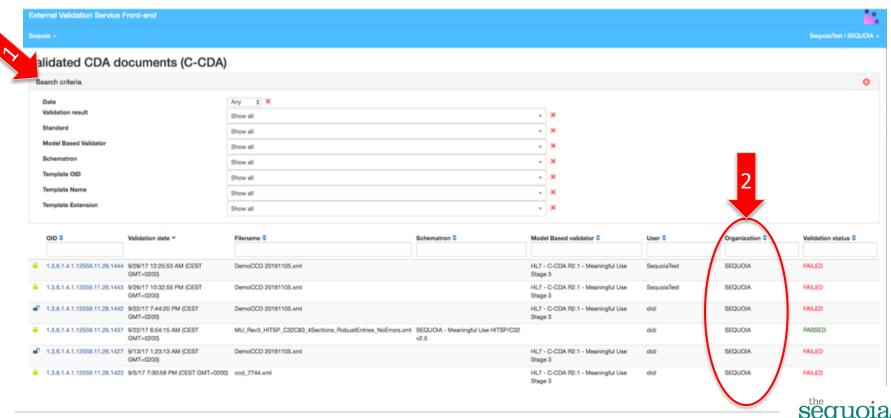
- 1. Shows templates utilized in blue = true and black = false
- 2. Summary of rules outcome highlighted by section errors/warnings/info





Viewing Validation Logs

- 1. Leverage search criteria when searching validation logs for your organization
- 2. All results (locked/unlocked) for users within your organization will be visible



Validation Logs – Available to all



Questions? testing@sequoiaproject.org

