CORLA draft User Manaul

This User Manual provides an overview of the components that comprise the Colorado Department of State's (CDOS) Risk Limiting Audit Tool (RLA Tool). It contains annotated screenshots with detailed descriptions of what is contained on every page users will experience. It also contains a glossary of relevant terms. This RLA Tool represents the cutting edge in efforts to provide verifiable evidence that election results are accurate, and November 2017 is the first time any state or jurisdiction has implemented them on a widescale basis.

Basic Structure of Risk Limiting Audits

Once the Secretary of State establishes a risk limit and selects contests to be audited, counties will then use the RLA Tool to upload ballot manifests, cast vote records (CVRs), and summary results to a central server. The RLA Tool will use this data to determine the initial set of ballots to be checked for each contest based on the risk limit and the margins of victory in the contests to be audited. The RLA Tool will report this information to each county, where the Audit Board, consisting of representatives of different political parties, will retrieve the appropriate ballots and record their interpretations of voter intent in the RLA Tool. If there are too many mismatches between the Audit Board's interpretations and the choices reported by the vote-tallying system, additional ballots may need to be randomly selected until either the risk limit is satisfied or a complete hand count is conducted. Complete audit results are exported from the RLA Tool for import to a Public Audit Center hosted on the official CDOS website.

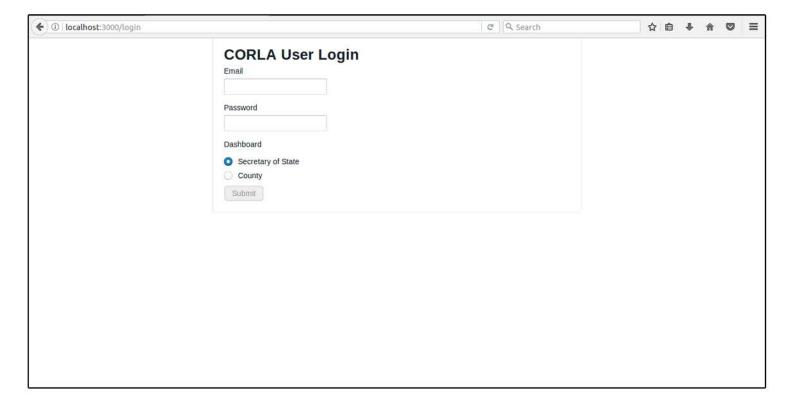
RLA Tool

The RLA Tool facilitates running a risk limiting audit across all counties in Colorado simultaneously. The RLA Tool has two dashboards. One dashboard serves CDOS, and the other serves the Counties. Both the CDOS and County dashboards require authentication to login. The RLA Tool also provides information to be used for a Public Audit Center, but does not contain it.

CDOS Dashboard

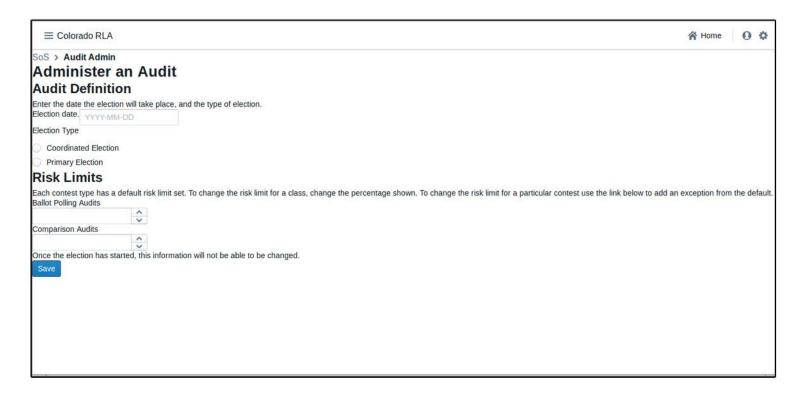
Login Page

On this page authorized users can enter their login credentials to access the RLA Tool's CDOS Dashboard.



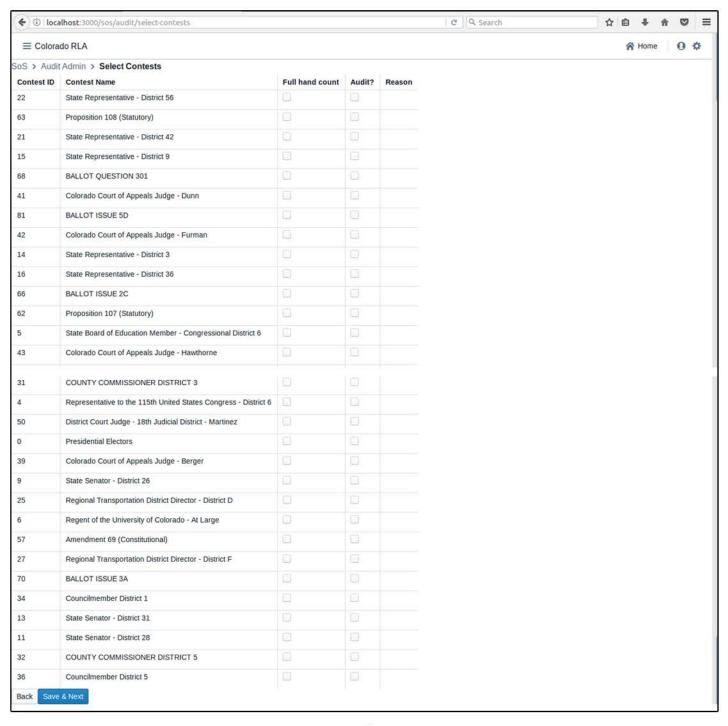
Risk Limits Set Page

This page allows Secretary of State enter the Risk Limit for a Comparison and Ballot Polling audits.



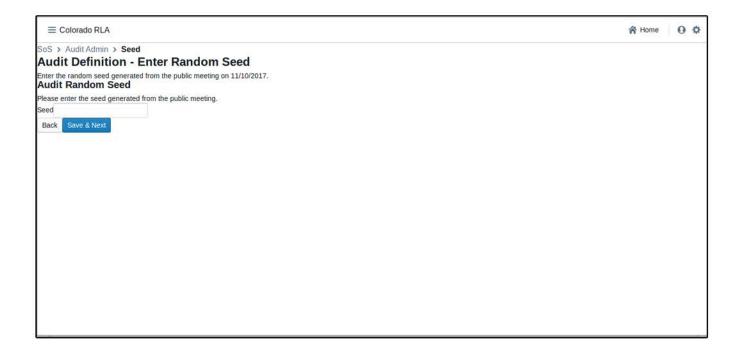
Contests to Audit Identified Page

This page allows the Secretary of State to select which statewide contest, and which countywide contests to audit. This information will be published to the County Dashboard when the selections have been made. This page also allows the Secretary of State to select contest for full hand counts.



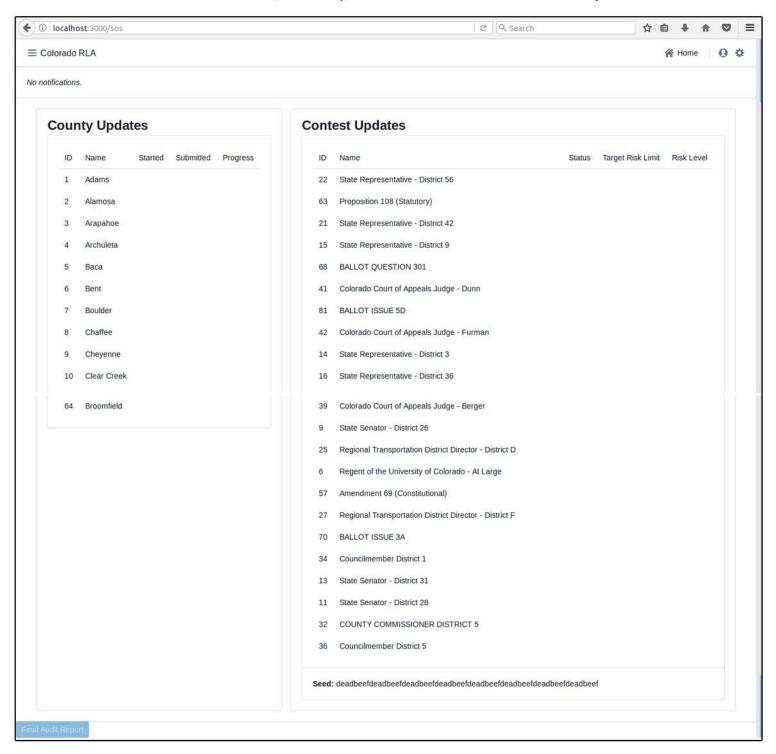
Random Seed Entry Page

This page allows the Secretary of State to enter the random seed, which is a 20 digit number chosen during a public ceremony. Once entered, this will trigger the random selection of which ballots to audit, which will be listed on the following page, and will be published to the County and Public Dashboards.



Audit Ongoing Page

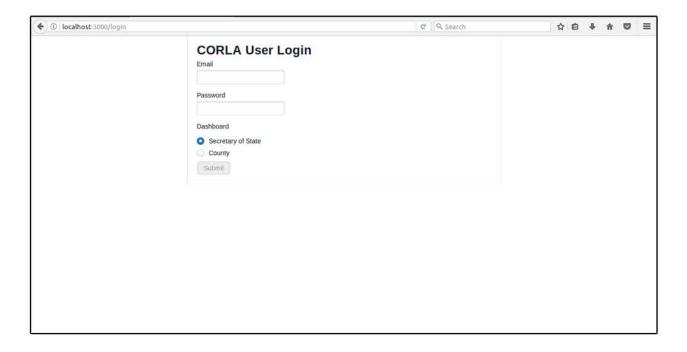
This page provides an overview of the audit in progress, updated in real time. It shows County level and Contest level details, and will indicate when: 1) the audit is complete, 2) another round of ballots must be counted, and 3) if a Full Hand Count is required.



County Dashboard

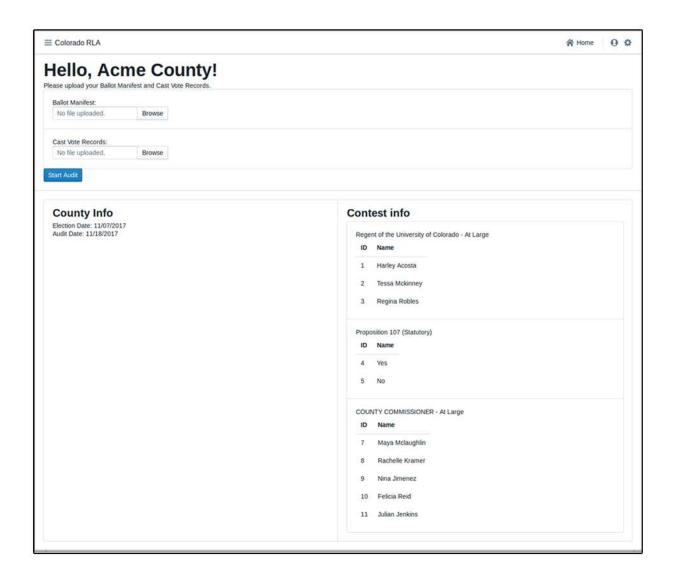
Login Page

On this page authorized users can enter their login credentials to access the RLA Tool's County Dashboard.



County Home Page

On this page county officials can upload their hashed Ballot Manifest and CVR files.



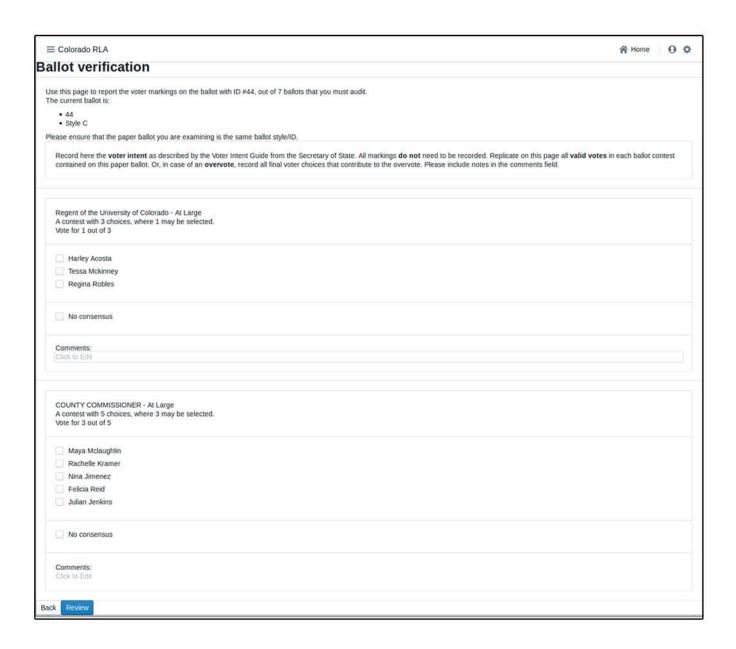
Audit Board Sign-In

On this page Audit Board members can sign into the system to conduct the audit.



Audit Board Interpretation Entry

This page allows Audit Board members to enter their collective interpretation of choices marked on the ballot. Then Audit Board members click 'Review" to review their choices, and then 'Submit and Next Ballot' when ready to proceed to the next ballot. This process continues until all of the ballots for the batch are entered.



Audit Board Interpretation Review

This page allows Audit Board members to review their choices, and then 'Submit and Next Ballot' when ready to proceed to the next ballot. This process continues until all of the ballots for the batch are entered.

