

Product Testing



PRODUCT DEVELOPMENT

We work from federal testing guidelines, designing tabulation equipment to meet or exceed every requirement.



PRE-CERTIFICATION TESTING

We internally conduct every test described in the federal guidelines to ensure **zero defects** prior to applying for certification.

ADDITIONAL SECURITY TESTING

We voluntarily sent tabulation equipment to be tested by independent cybersecurity labs such as **Idaho National Laboratory**, which works to improve the security of nuclear power facilities, electrical grids and other U.S. critical infrastructure.



FEDERAL CERTIFICATION



The Federal Test Program reviews:

- ES&S' application
- The test plan
- The test report

Following review, the Election Assistance Commission makes a decision on certification.

Federally accredited labs test tabulation equipment as described in the Federal Test Program. These stringent tests require:

1.5 million
consecutive ballot positions
correctly read by tabulation equipment

48 hours of
consecutive environmental tests
with no issues; if any issues, the clock restarts

3+ million
lines of source code reviewed

Full security audit
of the election management software

ES&S has
25

federally certified
voting systems



STATE CERTIFICATION

Most states require a state code compliance review and approval by Secretary of State or state board, in addition to federal certification. **Some states require field tests of the equipment before certifying.**

BOTTOM LINE: These strict guidelines and exacting series of tests are developed for one purpose: to make sure systems perform as designed and certified.