

Lecture 17 Outline

Reading: [2, 5, 7, 12]

Assignments due: Homework 3, due May 13, 2011

1. Goals of voting
 - a. Accuracy of count
 - b. Integrity of ballot
 - c. Privacy of voter (both from vote selling and from observation)
 - d. Auditability
 - e. Usability, both by voters and by election staff
 - f. Other requirements
2. Overview of process in Yolo County
3. Where electronic voting systems come in; how they work
 - a. Optical scanning systems
 - b. Ballot marking devices
 - c. Direct recording electronic devices
 - d. Vote tabulation servers
4. Safeguards
 - a. L&A testing before distribution
 - b. 1% mandatory manual recount
 - c. Voter-verified paper audit trails
 - d. Certification and testing
5. The U. S. and California certification process
 - a. HAVA
 - b. FEC certification guidelines
 - c. State rules and tests
6. Tests and problems
 - a. Johns Hopkins paper
 - b. RABA study
 - c. Florida CD-13 election
 - d. California top-to-bottom review
7. Internet voting