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