

March 6, 2014 Outline

Reading: §17, paper [S+09]

Assignment due: Homework #4, due March 17, 2014 (*no lates!!!*)
Project, due March 21, 2014

1. Mitigating covert channels
 - a. Preallocation and hold until process terminates
 - b. Impose uniformity
 - c. Randomize resource allocation
 - d. Efficiency/performance vs. security
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. 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