

May 5, 2017 Outline

Reading: *Chapters from revised text, §8*

Due: Project Progress Report, May 12; Homework #3, May 19

1. Chinese Wall Policy
 - a. Key result: information can only flow within a CD or from sanitized information
 - b. Aggressive Chinese Wall model
 - c. Comparison to BLP
 - d. Comparison to Clark-Wilson
2. Clinical Information System Security model
 - a. Intended for medical records; goals are confidentiality, authentication of annotators, and integrity
 - b. Patients, personal health information, clinician
 - c. Assumptions and origin of principles
 - d. Access principles
 - e. Creation principle
 - f. Deletion principle
 - g. Confinement principle
 - h. Aggregation principle
 - i. Enforcement principle
 - j. Comparison to Bell-LaPadula: lattice structure but different focus
 - k. Comparison to Clark-Wilson: specialization
3. ORCON
 - a. Originator controls distribution
 - b. DAC, MAC inadequate
 - c. Solution is combination
4. Role-based Access Control (RBAC)
 - a. Definition of role
 - b. Partitioning as job function