

Outline for February 13, 2006

Reading: text, §5.1–5.2.2, 5.3, 6.1–6.2

1. Greetings and felicitations!
 - a. Puzzle of the day
2. Bell-LaPadula Model
 - a. Compartments
 - b. BLP as lattice structure
 - c. Simple Security Property
 - d. *-Property
 - e. Basic Security Theorem
3. DG/UX Implementation of the Model
 - a. MAC labels
 - i. Regions
 - ii. Multilevel directories
 - b. MAC ranges
4. Tranquility
 - a. Declassification problem
 - b. Strong tranquility
 - c. Weak tranquility
5. Biba Model
 - a. Low-water-mark policy
 - b. Ring policy
 - c. Strict integrity