EECS710: Information Security and Assurance

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Assignment 9: MLS Security
Points: 20
Due: 11/20/2014

Given the security levels of "TOP SECRET, SECRET, CONFIDENTIAL," and "UNCLASSIFIED", and the categories A, B, and C, specify what type of access (read, write, or both, or neither) is allowed in each of the following situations. Assume that discretionary access controls allow anyone access unless otherwise specified.

1. Wendy, cleared for ("TOP SECRET,A,C"), wants to access a document classified ("SECRET,B,C").

2. Frankie, cleared for ("CONFIDENTIAL,C"), wants to access a document classified ("CONFIDENTIAL,B").

3. Joni, cleared for ("SECRET,C"), wants to access a document classified ("CONFIDENTIAL,C").

4. Julie, cleared for ("TOP SECRET,A,C") wants to access a document classified ("CONFIDENTIAL,A").

5. Kim, who has no clearances (and so works at the "UNCLASSIFIED" level) wants to access a document classified ("CONFIDENTIAL,B").