



The Effect of Public Budgetary and Policy Decisions on Development of Trusted Systems

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Who Cares?



- It's 10 pm....
 - Do you know where your computer is?
- Computers as consumer items
 - Equivalent to your toaster
- And yet....
 - What are computers used for?
 - Medical, cars, planes, phones, financial records, R&D, time keeping, etc
- Wouldn't it be nice
 - To be sure that they worked correctly?



Establishing Trust

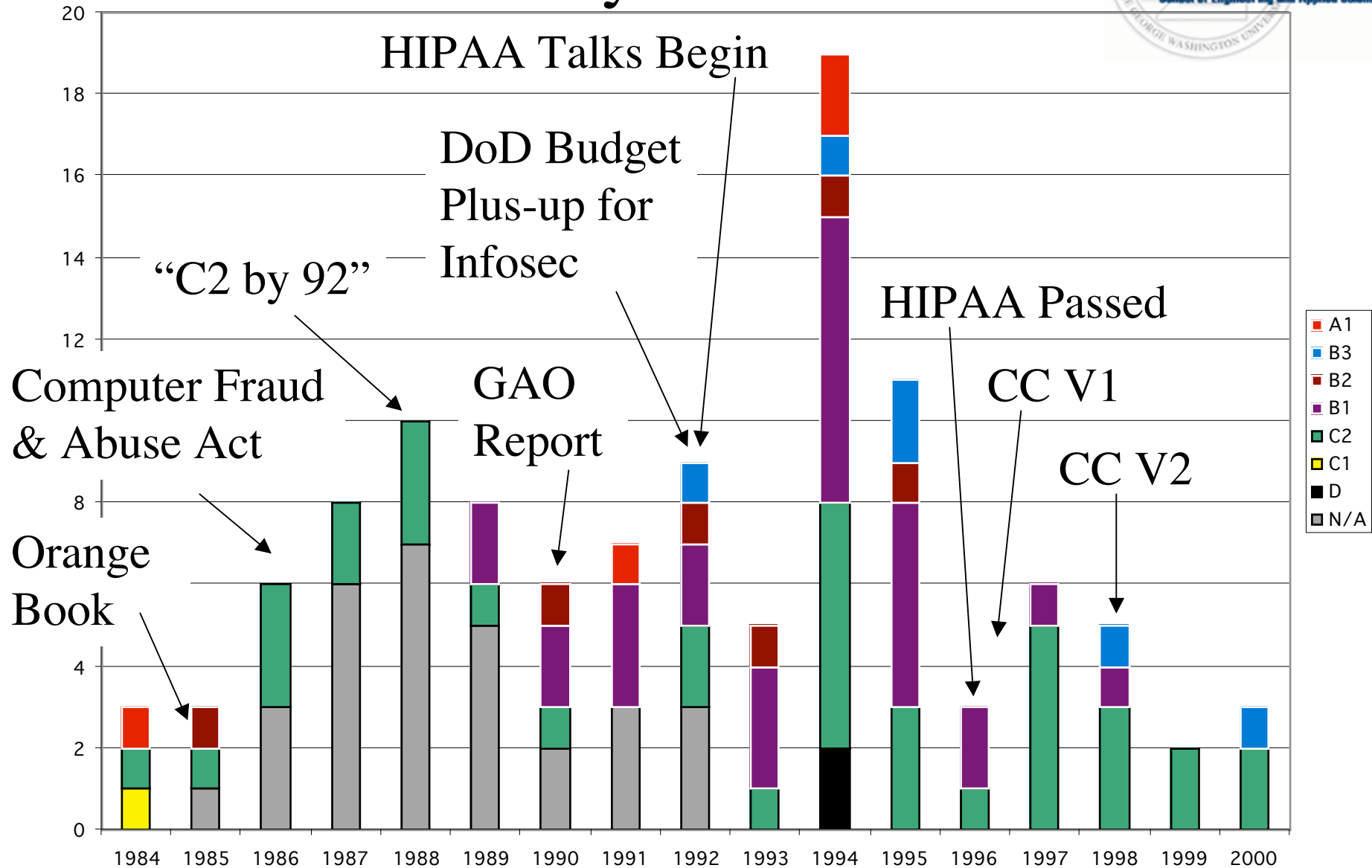


- Answering the hard questions
 - What does security mean?
 - What does trust mean?
- Measuring trust
 - Define a process for establishing a level of trust
 - Define standards for trustedness
 - Test and evaluate
- The problem
 - Time and money
 - Compounded by lack of demand
 - (which is interesting in and of itself)

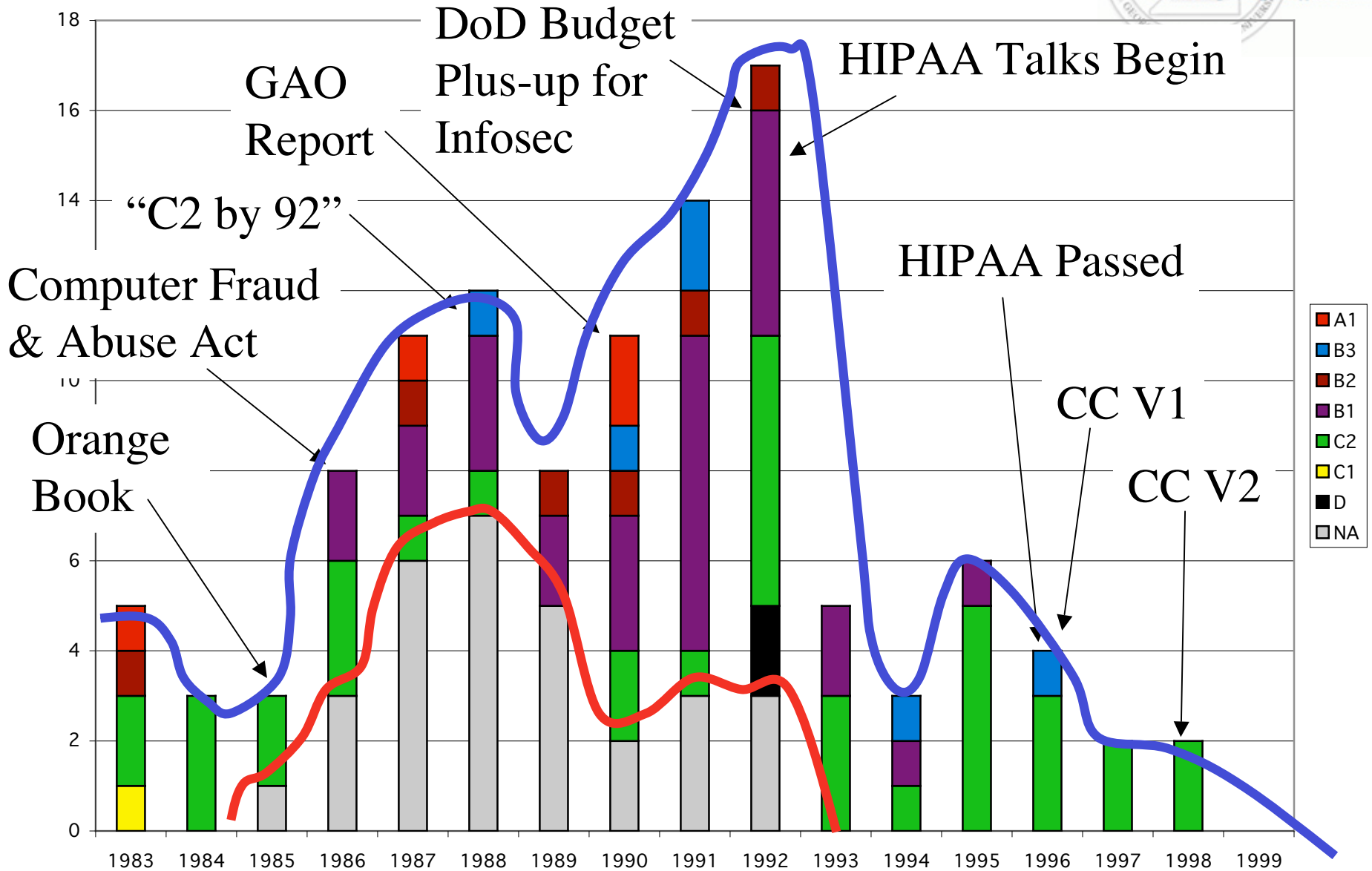
Standards Exist

- A brief history:
 - 1980s: US: Trusted Computer System Evaluation Criteria
 - 1991: Europe: Information Technology Security Evaluation Criteria
 - 1993: Canadian Trusted Computer Product Evaluation Criteria
 - 1996: International Standards Organization: V1 of the Common Criteria
- And yet, few trusted products are easily available at the consumer level
- Reasons include:
 - Cost of secure development
 - Time to evaluate
 - Currency of technology at end of process

Public Policy, Trusted Systems



Adjusted for Time





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