

Speech #3 - Invitational Speech Outline Template

Name: Charles Moya

Topic: Government Mandated Backdoors in Encryption Schemes

I. Arouse

A. Attention getter: “A fundamental problem with a backdoor is that there is no way to control who goes through it” (Center for Democracy & Technology).

B. Claim: government mandated encryption backdoors void the principle of security, alternative to a backdoor needed.

C. Map:

1. Problems

1. Weakening encryption weakens security for all

2. Backdoors can be exploited by bad actors

2. Solutions

1. Strengthening encryption rather than weakening it

2. Alternative tools for law enforcement investigations

II. Dissatisfy

A. We all believe in the right to privacy and security

1. Encryption secures our data from people we don't want having access

2. “Law enforcement agencies argue that encryption is a roadblock to their investigations” (betanews).

1. That's the point!

B. We can agree that if a cybercriminal were to find a way to crack an encryption scheme and reveal anyone's data, we would want to have a new encryption scheme implemented

1. "FBI Director Comey has called for companies to build security flaws into their encrypted products... In the case of the San Bernardino shooting, the FBI sought to force Apple to produce an insecure version of its mobile OS, which would vastly increase the security and privacy risks to hundreds of millions of mobile devices" (Center for Democracy & Technology).

1. What is the difference between the FBI and a cybercriminal

Keep repeating this format until you have covered all dissatisfy points

III. Satisfy/Gratify

A. government mandated encryption backdoors void the principle of security, alternative to a backdoor needed.

1. Strengthen encryption, don't weaken it

1. Increase research on alternative techniques, metadata analysis

2. Promote cybersecurity best practices

3. Support policies prioritizing both security and privacy

IV. Visualize

A. "Advanced cryptographic techniques such as Fully Homomorphic Encryption...allows encrypted data to be analyzed without ever decrypting it,

meaning authorities could conduct lawful investigations while preserving individual privacy and without compromising encryption protocols” (betanews).

1. Proven alternative to decrypting personal private data
- B. “...the U.K. government had instructed Apple to create a backdoor to allow it to access data, for security reasons, something which, if true, Apple would not be permitted to acknowledge” (Forbes).

1. Public wouldn’t be aware
2. A world where we unknowingly have no data security...

V. Move

- A. Government encryption backdoor lowers security
- B. Do your own research
 1. Utilize software that guarantees security
 1. Created in countries with stronger data security laws
 2. Keep sensitive data stored locally, airgapped
 3. Support organizations defending digital rights
 1. EFF
 2. Privacy International

Works Cited List

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