## AIR FORCE CIVIL ENGINEER CONTROL SYSTEMS CYBERSECURITY

Control systems regulate everything, from the thermostats in our homes to the airfield lights illuminating our runways. These seemingly innocuous systems can become the foundation for advanced cyberattacks - compromising our systems and disabling critical infrastructure, which could significantly degrade our ability to execute the mission. All Airmen must contribute to securing Air Force IT and OT to ensure mission success.

## "VigilanCE" Training Video\*

Learn how all Airmen (to include craftsmen and wage-grade professionals) can help protect against adversaries. This video features interviews with cybersecurity Subject Matter Experts and senior leaders, including:

Lt Gen John Cooper Deputy Chief of Staff for Logistics, Engineering, & Force Protection

Mr Peter Kim, SES Chief Information Security Officer

Mr Edwin Oshiba, SES **Deputy Director of Civil Engineers** 



Watch the 2-Minute Trailer: https://go.usa.gov/xRPMZ Watch the Full 50-Minute Video: https://go.usa.gov/xN6Pa

\*CAC credentials are required to view - internal DoD viewing purposes only, NOT for public release



Reference additional materials for actions YOU can take and recent policy, education, and guidance:

https://www.milsuite.mil/book/groups /air-force-control-systems-community



**Connect with the AFCEC Reach Back Center to contact AFCEC/COM** with questions pertaining to control systems cybersecurity:



1 (888) 232-3721



AFCEC.RBC@us.af.mil

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	Know what control systems (CS) are, the role they play in our daily lives and for the Air Force mission		
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0	☐ Ensure all personnel and contractors have completed annual cybersecurity awareness training		
<ul> <li>Incorporate cybersecurity language into maintenance and procurement contracts</li> </ul>			
Read and adhere to cybersecurity policy (e.g., AFI 17-101, AFGM2017-32-01)			
	<b>3</b> , , , , , , , , , , , , , , , , , , ,		
_	career fields		
Apply password and administrative access best practices:			
	☐ Ensure all personnel are educated on their responsibility for password/account protection ☐ Change default passwords to meet DoD password requirements		
	☐ Use multi-factor authentication where possible (e.g., CAC, biometrics)		
	Apply "principle of least privilege" to limit authorized users on an as-needed basis with permissions pertinent to the users' role		
	Delete unused accounts		
	☐ Limit access to a CS's recovery mode to the unique account(s) of individual user(s) with a		
	role requiring access		
	☐ Do not share passwords		
	Especially in situations where CS cannot support authentication, implement rigorous		
	physical security controls		
Secure, control, and monitor <u>physical access</u> to control systems:			
	Document who has control over the CS equipment locations		
	☐ If a CS is located in a classified area, document Joint Personnel Adjudication System (JPAS)		
	SMO code and POC		
	Document and confirm the physical security of CS and components in the inventory		
	Review and restrict physical access to CS and components on an as-needed basis		
	Disable or remove remote (off-site) access to modems or other devices		
	Diligently install and maintain patches		
	Regularly perform backups		
	<ul> <li>Develop and practice recovery procedures for all control systems</li> </ul>		
☐ Do not plug in external, removable devices into CS (e.g., thumb drives, hard drives, pe			
devices)			
	Do not install new software unrelated to the operations and maintenance of the system (e.g.,		
	games, chat, gambling)		
☐ Remove all non-essential software (e.g., games, chat, gambling) from any CS			
	☐ Be cautious of any messages you receive that contain a hyperlink even if it seems to be from	n	
	a friend or a trusted organization		