

Aircraft hacking

<https://www.smithsonianmag.com/air-space-magazine/will-your-airliner-get-hacked-180976752/>

Hackers have tried to hack into the computers of airplanes. There are many ways to do this, but none have succeeded yet. Boeing engineers work hard to protect their planes from hackers. Their goal is to prevent any harm to the plane or to the people flying on it. They also want to ensure that the plane doesn't become a target for criminals. In an effort to protect the avionics systems of airplanes, some providers of aviation satcom equipment have put in patches to prevent hacking attempts. However, there are still many ways to hack into the avionics system of an airplane. The hacker claims to have accessed the cockpit of a plane. The hack is done by accessing the passenger information system. Aircraft manufacturers are continuously improving their onboard systems. They have a lot of work to do to protect themselves from hackers. Their networks are protected by firewalls and layers. To hack into them, attackers need to get past several levels of protection. Switches control the direction of data flow. They prevent software uploads while airplanes are in flight. When you're designing your software or hardware, you should always assume that someone else might be trying to hack into it. You need to make sure that they won't be able to get in. This includes making sure that there aren't any backdoors in your devices. Boeing and its partners were concerned about the security of their products. They investigated the vulnerabilities and found them. They shared their findings with other companies and government agencies. They didn't want to be vulnerable, so they fixed the problem. The plane manufacturer lost millions of dollars because of the security breach. Cyberattacks have become an increasing problem, especially when they affect critical infrastructure such as transportation networks, banks, and healthcare facilities. In March 2018, Boeing suffered a major cybersecurity attack. The company said that it took immediate action to fix the issue. When something big happens due to lapses in cybersecurity, people will be questioning how we got there. The US military has been preparing for cyber attacks since 2001 when the Pentagon was attacked by hackers who used stolen passwords to gain access to classified data. Now the civilian world faces similar threats. Aviation is taking action to prevent future attacks. The ICAO recommends planning for cyber incidents, sharing information as a means of prevention and increasing vigilance.

