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Texas Department of Public Safety

CYBERSECURITY & AI RISK MANAGEMENT
IN PUBLIC SAFETY UAS OPERATIONS



• **TEXAS DPS** UAS Program

- ⌘ 320 remote pilots
- ⌘ 350 unmanned aircraft
- ⌘ 52,000 flights in 2023
- ⌘ 150,000+ total flights since 2017

TEXAS DPS UAS Missions

- ⌘ Accident reconstruction
- ⌘ Border operations
- ⌘ Tactical overwatch
- ⌘ Fire mapping
- ⌘ Search & Rescue
- ⌘ Tower inspections
- ⌘ Infrastructure photogrammetry
- ⌘ Training documentation

Teams strategically located across the state





IDENTIFY
& characterize the risk



MANAGE
the risk through policy



COMMUNICATE
the risk to stakeholders



AIRISK

- ✘ False identification/positive
- ✘ Overconfidence in technology
- ✘ Pilot complacency
- ✘ Loss of human in the loop

CYBERRISK

- ✘ Loss of command & control
- ✘ Compromised mission
- ✘ Data privacy
- ✘ Inaccurate record keeping

IDENTIFY >

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FBI and CISA warn companies to be wary of using Chinese-made drones over national security risks

Story by By Natasha Bertrand, CNN • 1w

U.S. Senators Take Another Shot at DJI: the "Countering CCP Act"

Posted By: Miriam McNabb on: Fr

Top FCC Official Calls For Ban of DJI Drones, Citing National Security Risk

 OCT 20, 2021  JARON SCHNEIDER



Cybersecurity Guidance: Chinese-Manufactured UAS

Publish Date: January 17, 2024

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Today Florida's Chinese drone ban goes into effect, and police agencies are not

 Seth Kurkowski | Apr 5 2023 - 10:14 am PT  5 Comments

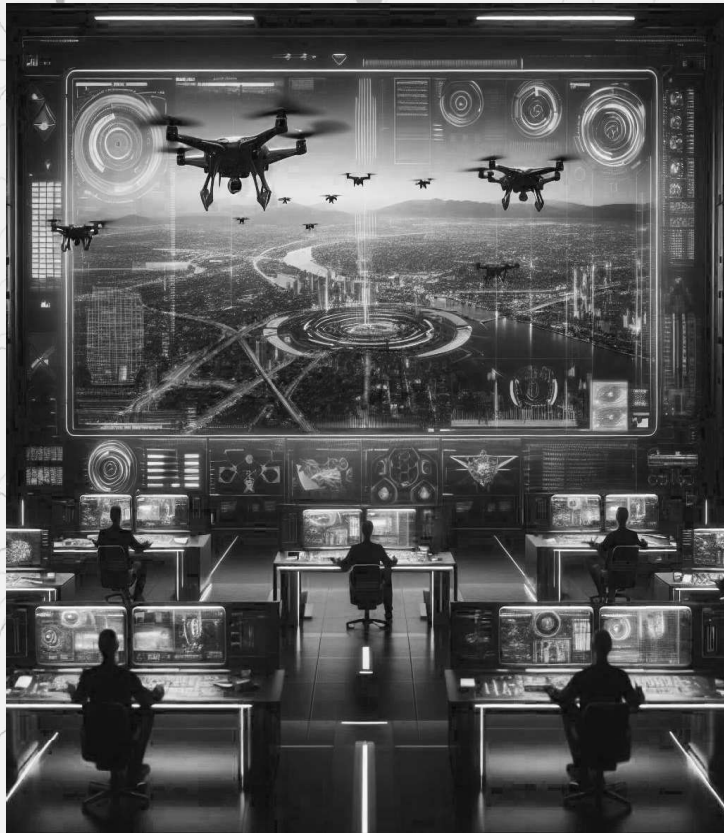
Statewide Security Plan for Prohibited Technologies

 .PDF (176.74 KB)

[Statewide Security Plan for Prohibited Technologies](#)

Tool/Template Last Updated: February 6, 2023

To protect the State's sensitive information and critical infrastructure from technology that poses a threat to the State of Texas, this plan outlines objectives for each agency.



AIRISK

- ✂ Larger testing data sets
- ✂ Build redundancy into policy
- ✂ Hold remote pilots accountable
- ✂ Effective safety management program

CYBERRISK

- ✂ 3rd party vetted software
- ✂ Off agency network for updates
- ✂ Collaboration with agency Cyber division

IDENTIFY >

MANAGE >



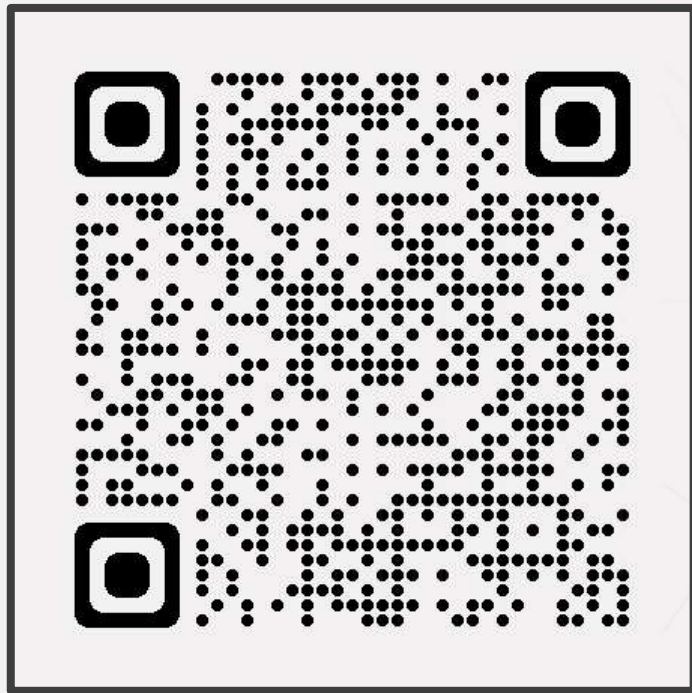
AI&CYBERRISK

- ✂ Effective collaboration
- ✂ Public/Private partnerships
- ✂ Texas Public Safety UAS Working Group
- ✂ Conferences & Summits
- ✂ Hugs & High Fives!

IDENTIFY >

MANAGE >

COMMUNICATE >



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