

International Data Privacy Concerns Involving Unmanned Air Vehicles

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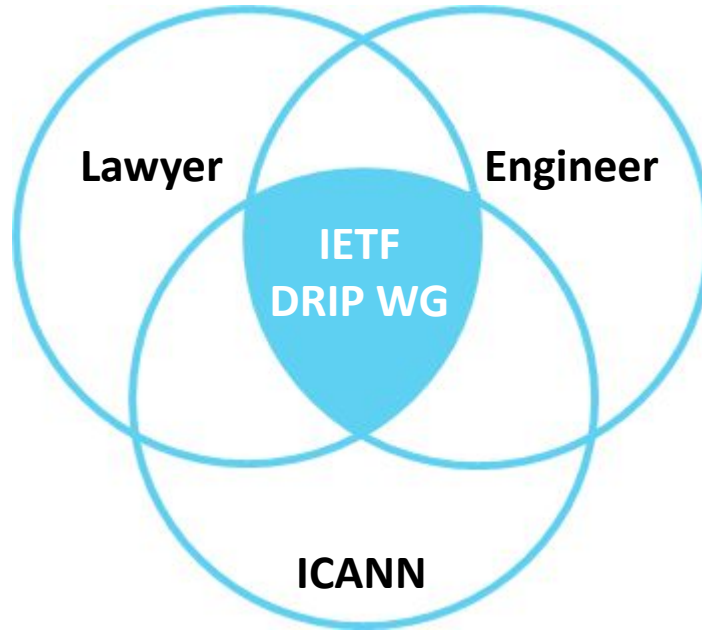
JUNE 2021

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Why?



2020 (\$22 billion) – 2025 (\$43 billion): Source DII



International Perspectives



US



EU



CN

Remote ID: NETWORK versus BROADCAST



US - Regulatory Oversight

86 FR 4390: Establishing a clear thought leadership role

Changes from NPRM: Opted for Broadcast as opposed to Network

Standard Remote v Broadcast Module:
Backwards compatibility



US - Privacy – Drone Operator

Recreation Drone Operator: safety, especially for youth operators

Commercial Drone Operator: protecting business intelligence



US - Government Drone Use

Regulators/LEA/First Responders: Public Safety

Drone First Responders: Chula Vista
<https://www.youtube.com/watch?v=N2vUjqItZQ4>

New Potential State Laws : Florida SB44



US - Individual Privacy Rights

Michigan: Zoning Enforcement

Texas: Some of the more stringent drone laws in the country, prohibiting “intent to conduct surveillance.”

California: AB 856 //2015

Excellent Resource: UAVCoach – State drone laws available at <https://uavcoach.com/drone-laws/>



EU - Regulatory Oversight

SESAR: Public-Private partnership that forms the technology pillar of the European Single European Sky (SES) initiative

U-SPACE: Set of new services to “to support safe, efficient and secure access to airspace for large numbers of drones.”

Implementing Regulation (EU) 2021/664:
Published 22 April 2021 addressed regulatory framework for U-Space



EU - GDPR

GDPR: EU's data privacy regulation

Excellent Resource: DroneRules (multi-lingual)
<https://dronerules.eu/>



CN - Regulatory Oversight

Evolving National Regulations: no overarching policy only a patchwork set of rules by different ministries

DJI: headquartered in Shenzhen, China and currently has 76% global market share

DJI Technology Pioneer: Innovating in the following areas:

Unmanned Traffic Controller (UTC)

AeroScope

local-data-mode



Cheat Sheet

Drones	Automotive	Aviation
Manufacturer ID / Serial Number	Vehicle Identification Number (VIN)	ICAO Manufacturer ID
Drone Registration Certificate	License Plate	Tail Number
Drone Operator Registration Part 107 / 49 USC 44809	Drivers License	Pilots License
Session ID	Waze	Flight Plan



Vielen Dank

谢谢

Gracias

Thank You

Спасибо

Obrigada

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JUNE 2021

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