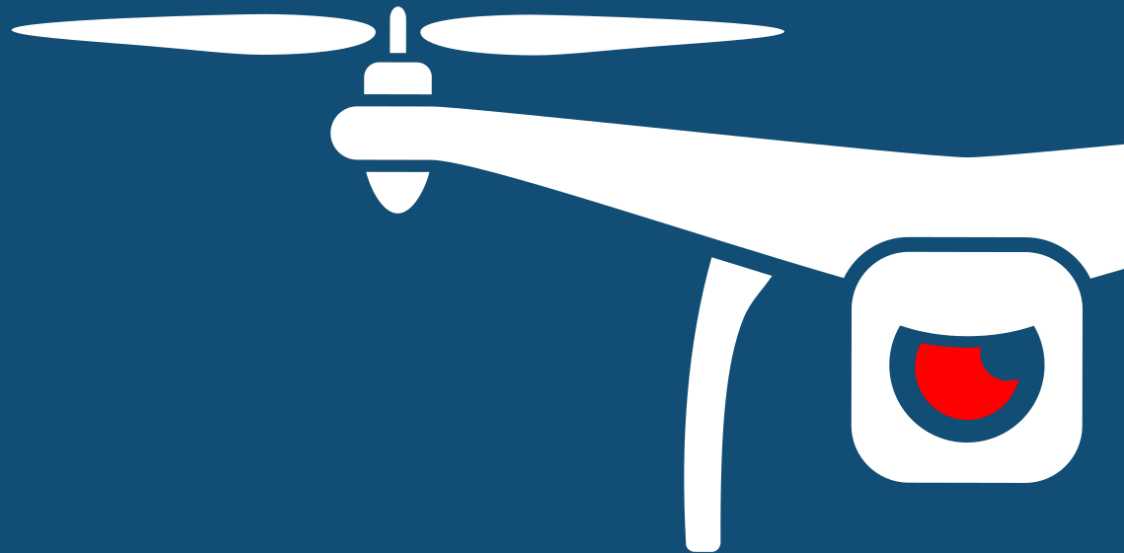




NOTIFY ISSUE #76 (PUBLIC)
WEEKLY THREAT INTELLIGENCE

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UAS HACKING, HARDENING AND DEFENCE

- UAS PENETRATION TESTING
- COUNTER-UAS CONSULTING
- FORENSICS & INCIDENT RESPONSE
- AERIAL THREAT SIMULATIONS
- DRONE SECURITY MANAGEMENT PROGRAMS

DOCUMENT CONTROL

PREPARATION

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1. THREAT INTELLIGENCE

1.1. FEATURED ADVISORIES

The prioritisation table and its dependencies are explained in Appendix A, and relate to how we filter, analyse and visualise the intelligence we collect.







1.2. NON-CONFLICT NEWS AND EVENTS (P2)

Drone reported by Boeing 777 while on approach to Toronto

<https://avrodex.com/view/2021O0492>

Drone operators are given reminder to obey regulations after incident in Waltham Cross

<https://www.inyourarea.co.uk/news/drone-owners-reminded-to-be-safe-and-legal-after-incident-in-waltham-cross/>

PKK drones used to attack Turkey had Canadian anti-jamming, anti-radar technology

<https://www.dailysabah.com/politics/war-on-terror/pkk-drones-used-canadian-technology-report-says>

1.3. CONFLICT NEWS AND EVENTS (P3)

Saudi-led coalition intercepts Houthi drone aimed at Jazan

<https://www.devdiscourse.com/article/law-order/1580176-saudi-led-coalition-intercepts-destroys-drone-launched-by-houthis--saudi-tv>

Yemeni forces shoot down Saudi spy drone in Najran

https://en.abna24.com/news/yemeni-forces-shoots-down-saudi-spy-drone-in-najran_1142893.html

Houthi suicide drone strike injured three civilians in a Marjiz market attack, Yemen

<https://www.arabnews.com/node/1864076/middle-east>

1.4. WHITEPAPERS, PUBLICATIONS & REGULATIONS (P3)

UK AAIB calls for prohibiting the use of unmanned aircraft after near miss crash

<https://www.getreading.co.uk/news/uk-world-news/official-report-calls-ban-drones-20641274>

Increase of drone intrusions at airports and infrastructure prompts more regulatory action (Commentary)

<https://www.wsj.com/articles/drones-flying-near-airports-infrastructure-prompt-u-s-action-11621533604>

What do we know about Hamas' drones? (Commentary)

<https://www.israelhayom.com/2021/05/26/what-do-we-know-about-hamas-drones/>

The privacy concerns that police drones bring (Commentary)

<https://www.12news.com/article/news/crime/whos-watching-police-drones/75-d1c3cf2f-afd4-49f4-96ef-a43427aef7e2>

US Commander says finding better ways to counter small drones a top priority (Commentary)

<https://www.military.com/daily-news/2021/05/22/us-commander-says-more-work-needed-counter-small-drones.html>

The NTSB wants to change the definition of drone accidents (commentary)

<https://dronelife.com/2021/05/24/the-ntsb-wants-to-change-the-definition-of-drone-accidents/>



Russia's real-world experience is driving counter-drone innovations (commentary)

<https://www.defensenews.com/opinion/commentary/2021/05/23/russias-real-world-experience-is-driving-counter-drone-innovations/>

SWGDE Best Practices for Drone Forensics

<https://drive.google.com/file/d/1typyAxRWKrlgBxbKUMbFdk0pKxfUphs7o/view> (PDF Document)

1.5. SOCIALS (P4)

IDF use multirotor drones to drop tear gas on protesters in West Bank

<https://www.instagram.com/p/CPD7uFTHy97/>

FAA hiring UAS Intelligence Operations Specialist

<https://www.usajobs.gov/GetJob/ViewDetails/601940300>

1.6. COUNTER-DRONE SYSTEMS (P4)

Israel races to stop growing threat from drones (Commentary)

<https://www.defensenews.com/unmanned/2021/05/24/lasers-integration-and-mobility-israel-races-to-stop-growing-threat-from-drones/>

TSA selects Los Angeles airport to test drone detection systems

<https://www.airport-technology.com/news/tsa-los-angeles-airport-drone-detection/>

KEAS launches digital jammers for neutralizing civilian drones

<https://www.unmannedairspace.info/counter-uas-systems-and-policies/keas-launches-digital-jammers-for-neutralizing-civilian-drones-and-mobile-communications/>

Silent Sentinel and SKYLOCK to provide East Africa with mobile C-UAS capability

<https://www.unmannedairspace.info/counter-uas-systems-and-policies/silent-sentinel-skylock-link-to-provide-east-african-government-customer-with-mobile-c-uas-capability/>

DroneShield plans to integrate CUAS detection with heavy-lift tethered UAVs

<https://www.shephardmedia.com/news/defence-notes/dronesshield-c2-technology-joins-tethered-uavs/>

WhiteFox releases cloud-based detection sensors

<https://www.whitefoxdefense.com/press-release-library/whitefox-launches-stratus-worlds-first-cloud-based-drone-detection-service>

Italy Air Force tests use of microwave and laser anti-drone weaponry from Leonardo

<https://dronedj.com/2021/05/25/italy-testing-drone-blasting-microwaves-laser-beams/>

CILAS to test laser system, HELMA-P, for anti-drone purposes

<https://www.popsci.com/technology/french-anti-drone-laser-cilas-helma-p/>



1.7. INFORMATIONAL (P5)

Research on radar measurement data to improve detection of drones

<https://techstory.in/new-research-to-improve-drone-detection/>

British racecourses looking into legal action against drone operators

<https://www.racingpost.com/news/latest/british-racecourse-to-look-into-legal-action-in-battle-against-drones/490564>

Drones prohibited at Raystown Lake, Pennsylvania due to safety risk

<https://www.wearecentralpa.com/news/local-news/drones-model-airplanes-prohibited-at-raystown-lake/>

New C-UAS capabilities delivered to US Air Force base in Qatar

<https://www.unmannedairspace.info/latest-news-and-information/new-c-uas-capabilities-delivered-to-the-us-air-force-al-udeid-air-base-qatar/>

Chula Vista Police deployed drones in more than 5000 incidents

<https://www.intelligent-aerospace.com/unmanned/article/14203584/the-california-city-that-sends-a-drone-almost-every-time-police-are-dispatched-on-a-911-call>

Fidelity security provider to fly drones above housing estates to locate criminals, Johannesburg

<https://www.businessinsider.co.za/fidelity-is-using-drones-to-track-criminals-in-south-african-security-estates-2021-5>

1.8. UTM SYSTEMS (P5)

Demonstration of Canadian Energy UTM project (Video)

<https://www.youtube.com/watch?v=IMcOFMExh0k&t=2s>

1.9. DRONE TECHNOLOGY (P5)

Iran releases new UAV 'Gaza', similar to General Atomics MQ-9A Reaper drone

<https://www.janes.com/defence-news/news-detail/iran-unveils-gaza-uav>

DroneSense introduces Mobile Streaming and Asset Tracking features for first responders

<https://www.prnewswire.com/news-releases/dronesense-introduces-mobile-streaming-and-asset-tracking-301297890.html>

New sensor allows drones to carry out high-precision radiation monitoring

<https://uasweekly.com/2021/05/23/drones-carry-out-high-precision-radiation-monitoring/>

USA DoD and DIU solicits for commercial algorithms on artificial intelligence for drone swarms

<https://www.fedscoop.com/diu-solicitation-drone-networks/>



For Appendix items please click [this link](#).

