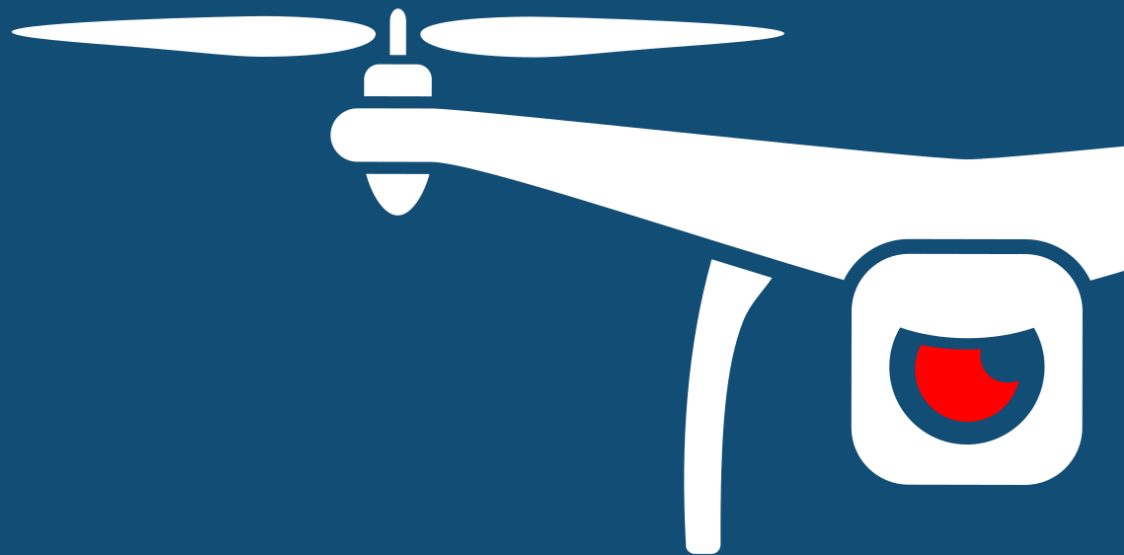




# NOTIFY ISSUE #75 (PUBLIC)

## WEEKLY THREAT INTELLIGENCE

20 May 2021 | v1.0 RELEASE



## 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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# TABLE OF CONTENTS

- 1. Threat Intelligence ----- 4
- 1.1. Featured Advisories ----- 4
- 1.2. Non-Conflict News and Events (P3) ----- 5
- 1.3. Conflict News and Events (P3) ----- 6
- 1.4. Cyber and Data Security (P3) ----- 6
- 1.5. Whitepapers, Publications & Regulations (P3) ----- 6
- 1.6. Socials (P3) ----- 7
- 1.7. Counter-Drone Systems (P4) ----- 7
- 1.8. Informational (P5) ----- 8
- 1.9. UTM Systems (P5) ----- 8
- 1.10. Drone Technology (P5) ----- 8



# 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.



Figure 1 - Can't see this? Sign up for Notify PRIVATE [here](#) to get monthly roll ups, featured reports and more.





Figure 2 - Can't see this? Sign up for Notify PRIVATE [here](#) to get monthly roll ups, featured reports and more.

## 1.2. NON-CONFLICT NEWS AND EVENTS (P3)

### **Man arrested for using a drone to surveil a property before robbing Gran Canaria villa**

[https://www.niusdiario.es/sociedad/sucesos/detenido-robo-chalet-gran-canaria-comprobar-dron-duenos-dormian\\_18\\_3137145288.html](https://www.niusdiario.es/sociedad/sucesos/detenido-robo-chalet-gran-canaria-comprobar-dron-duenos-dormian_18_3137145288.html)

### **Indonesian police raid drone operator after prison drops, 6.7kg meth narcotics located**

<https://go.kompas.com/read/2021/05/12/041839874/indonesian-police-bust-reveals-use-of-drones-in-drug-smuggling-attempt>

### **Chile police locate drone utilised in multiple crimes within Las Garzas**

[https://www.tvn-2.com/nacionales/Encuentran-articulos-delinquir-baldio-Garzas\\_0\\_5838916070.html](https://www.tvn-2.com/nacionales/Encuentran-articulos-delinquir-baldio-Garzas_0_5838916070.html)



### 1.3. CONFLICT NEWS AND EVENTS (P3)

#### **UAV damaged in emergency landing in Ukraine due to dual GPS signal interference**

<https://www.osce.org/special-monitoring-mission-to-ukraine/486769>

#### **BSF recovers arms and ammunition cache from Pakistani drone near border**

<https://www.tribuneindia.com/news/j-k/j-k-bsf-recovers-ak-47-rifle-pistol-dropped-by-pak-drone-252829>

#### **Pakistani drone spotted by India BSF near international border**

<https://www.republicworld.com/india-news/general-news/jammu-pakistani-drone-spotted-in-kanachak-area-near-international-border.html>

#### **Saudi-led coalition intercepted 8 Houthi drones fired towards Saudi Arabia**

<https://www.haaretz.com/middle-east-news/saudi-led-coalition-says-it-intercepted-houthi-missile-and-drone-attack-1.9804326>

#### **IDF downs drone of unknown origin near Jordan border**

<https://english.alarabiya.net/News/middle-east/2021/05/18/Israeli-military-says-it-downed-UAV-near-Jordan-border>

#### **Hamas shown launching suicide drones into Israel**

<https://www.thesun.co.uk/news/14946218/israeli-fighter-jets-shoot-down-hamas-suicide-drones/>

### 1.4. CYBER AND DATA SECURITY (P3)

#### **JARUS seeks input from operators on cyber security requirements released**

<https://www.unmannedairspace.info/emerging-regulations/rule-making-body-jarus-seeks-input-from-uas-operators-on-cyber-security-requirements-just-released/>

#### **UTM-Chain: Blockchain-Based Secure UTM for Internet of Drones**

<https://pubmed.ncbi.nlm.nih.gov/33925489/>

#### **Police drone data risks ending up on servers Chinese government can access**

<https://www.rnz.co.nz/news/national/442377/police-drone-data-risks-ending-up-on-servers-chinese-government-can-access-reports>

### 1.5. WHITEPAPERS, PUBLICATIONS & REGULATIONS (P3)

#### **Red Cross calls for more limits on autonomous weapons**

<https://www.defenseone.com/technology/2021/05/red-cross-calls-limits-autonomous-weapons/174018/>

#### **United States law enforcement answers questions on drone laws**

[https://starherald.com/opinion/columnists/ask-a-cop-what-are-the-laws-on-drones/article\\_f5067193-cfa4-5b95-b934-359001fe858f.html](https://starherald.com/opinion/columnists/ask-a-cop-what-are-the-laws-on-drones/article_f5067193-cfa4-5b95-b934-359001fe858f.html)



**The drone threat to Israel (Commentary)**

<https://www.jpost.com/middle-east/with-iranian-support-drones-are-becoming-a-larger-threat-to-israel-analysis-668395>

**Autonomous weapons could make costly mistakes on future battlefields (Commentary)**

<https://www.popsci.com/technology/autonomous-machines-mistakes-un-institute-report/>

**Iran's effort in Hamas drone threat (Commentary)**

<https://www.meforum.org/62345/irans-hand-seen-in-hamas-drone-threat>

**Chinese military shows interest in loitering munitions (Commentary)**

<https://www.republicworld.com/world-news/china/amid-covid-pandemic-chinese-military-planning-to-buy-deadly-kamikaze-drones-report.html>

## 1.6. SOCIALS (P3)

**IDF use drones to drop tear-gas grenades in order to disperse crowds**

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

**Military wing of Hamas demonstrate use of Kamikaze drones against Israeli settlements**

<https://www.instagram.com/p/CO1y6BYLpHS/>

<https://www.memri.org/jttm/hamas-military-wing-izz-al-din-al-qassam-brigades-claims-use-suicide-drones-first-time-israeli>

**The Air Up There (FAA podcast on regulations)**

[https://www.faa.gov/podcasts/the\\_air\\_up\\_there/?file=2021-05-14-011.mp3](https://www.faa.gov/podcasts/the_air_up_there/?file=2021-05-14-011.mp3)

**Australian Counter-Drone systems being exported to allies**

<https://vimeo.com/549608500>

## 1.7. COUNTER-DRONE SYSTEMS (P4)

**Using machine learning to detect drones in urban settings**

<https://techxplore.com/news/2021-05-machine-radar-drones-complicated-urban.html>

**US Army to be testing prototype laser weapon for air defence**

<https://www.thedefensepost.com/2021/05/14/us-army-laser-weapon-live-fire-test/>

**Iron Dome intercepts drone during combat for first time**

<https://www.defensenews.com/unmanned/2021/05/17/iron-dome-intercepts-drone-during-combat-for-first-time-says-israeli-military/>

**US DHHS selects Fortem Technologies to participate in border aerial surveillance program**

<https://www.executivegov.com/2021/05/dhs-selects-fortem-to-participate-in-border-aerial-surveillance-program/>



## 1.8. INFORMATIONAL (P5)

### **North Wales police using drones to support ground officers**

<https://www.leaderlive.co.uk/news/19305824.north-wales-police-using-drones-support-officers-ground/>

### **Chennai police using drones to keep watch on COVID-19 violations**

<https://www.thehindu.com/news/cities/chennai/drones-to-keep-a-watch-on-lockdown-violations/article34568673.ece>

### **Israel's new drone initiative to help track protests, damage from Gaza rockets**

<https://www.haaretz.com/israel-news/tech-news/.premium-drones-to-help-israel-track-protests-damage-from-gaza-rockets-1.9818472>

### **Turkish drone stops 1.5 tons of marijuana being smuggled out of Syria**

<https://www.jpost.com/middle-east/turkish-uav-drone-stops-15-tons-of-marijuana-being-smuggled-out-of-syria-668367>

## 1.9. UTM SYSTEMS (P5)

### **Australia promises AUD 35.7 million to support UTM technology**

<https://www.unmannedairspace.info/counter-uas-systems-and-policies/australian-government-promises-aud35-7-million-to-support-emerging-utm-technology/>

### **NASA to work with US local government on UAM operations**

<https://www.unmannedairspace.info/latest-news-and-information/nasa-to-work-with-us-local-governments-on-introducing-uam-aam-operations/>

### **UK supports national programme to construct vertiport for eVTOLS and drones**

<https://www.urbanairmobilitynews.com/air-taxis/uk-government-supports-world-first-program-to-construct-air-architecture-for-evtols-and-delivery-drones/>

### **NASA enters space act agreement with Longbow Group to develop drone flight corridors**

<https://www.nasa.gov/press-release/langley/nasa-enters-space-act-agreement-with-longbow>

## 1.10. DRONE TECHNOLOGY (P5)

### **How Israel's precision-guided kamikaze drones overcome GPS jamming**

<https://www.wionews.com/photos/how-israels-precision-guided-missiles-overcome-gps-jamming-384778#rocks-384765>

### **China uses drones to guide helicopter-launched missile strikes on BVLOS maritime targets**

<https://www.defenseworld.net/news/29560/China-Demos-Drone-guided-Helicopter-launched-Missile-Attack-on-Maritime-Targets#.YJyBp4fiuUk>

### **Engineers at EPFL develop predictive control model to help drone swarms avoid obstacles**

<https://www.miragenews.com/helping-drone-swarms-avoid-obstacles-without-561871/>





**Sony patents drones for noise cancellation**

<https://dronelife.com/2021/05/13/heres-a-cool-ideas-sony-patents-drones-for-noise-cancellation/>

**US Army testing arming light tactical vehicles with drones**

[https://www.realcleardefense.com/2021/05/15/the\\_army\\_is\\_testing\\_arming\\_its\\_light\\_tactical\\_vehicles\\_with\\_drones\\_777313.html](https://www.realcleardefense.com/2021/05/15/the_army_is_testing_arming_its_light_tactical_vehicles_with_drones_777313.html)

**US Air Force tests Skyborg combat drone's Autonomy Core System**

<https://newatlas.com/military/skyborg-combat-drones-brain-first-time/>

**South Korea military to test low-noise fuel cell-powered drones for surveillance**

<http://www.ajudaily.com/view/20210517093118379>

**US Army testing new tube-launched drone system from mobile vehicle**

<https://defence-blog.com/news/army/u-s-army-is-testing-a-new-tube-launched-drone-system.html>



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

