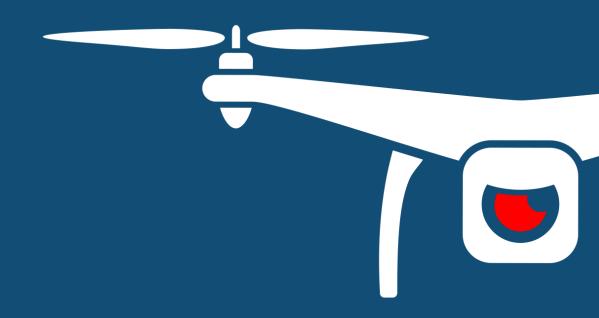


NOTIFY ISSUE #69 (PUBLIC)WEEKLY THREAT INTELLIGENCE

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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

DroneSec (dronesec.com)

Threat Intelligence Team

Email: info@dronesec.com

Phone: 1800 996 001 | + 614 7854 3434 (Urgent)





EXECUTIVE SUMMARY



The GDSN #3 is only three weeks away, going live on the 27th and 28th of April 2021!

The GDSN is a non-sponsored event which brings the best-of-breed Cyber-UAV security, UAS Threat Intelligence, Counter-UAS and UTM security minds into one place. It will be fully remote, accessed online and suitable to multiple time zones.

Whilst previously only having speakers by invitation, we're accepting applications based on feedback for a variety of advanced topics concerning the theme: Drone Security Doctrine and Tradecraft

For attendees register your virtual spot now: https://www.eventbrite.com.au/e/global-drone-security-network-3-tickets-148883593837

For speakers, please register your talk application to info@dronesec.com with the following information:

Full Name, Company, Contact Details, Presentation Topic and 100-word Description, Timezone

The start of a new month brings on a monthly roll-up of the statistics we've observed so far. This is reserved for Notify <u>PRIVATE</u> newsletter subscribers or <u>platform</u> customers. Subscribers enjoy receiving this report up to two days before (or real-time via the platform).

Parrot, maker of the ANAFI USA drones, has formally announced their launch of a private and public bug bounty program – a way for any hackers to assess their products and be financially rewarded for submitting those findings for remediation. Currently, they are only the second drone manufacturer to do so, after DJI's bug bounty program.

This story and more, in today's report.

As always, if you have comments or feedback, want to join in the discussion in our slack discussion group, or find the system that <u>captures this information</u> please don't hesitate to contact us.

Mike Monnik, DroneSec CTO



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1. THREAT INTELLIGENCE

1.1. MONTHLY ROLL-UP

As we enter a new month, Notify features an aggregated summary of drone incidents, types and affected sectors in 2021 and collated numerical data on drone incidents. Extended analytics with full database-searchable functionality is only offered to our paid members via the <u>DroneSec Notify Platform</u>.

Below you will find some handy statistics to measure correlation, location and systems involved over data we have collected for March 2021. Anything we have missed? Anything you would like to see? Drop us a note at info@dronesec.com to get in touch with the team.





























- This concludes our monthly roll up for the artefacts we have consolidated for March 2021 -





1.2. 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 report? Featured analysis is only available to PRIVATE subscribers



Intrusion and Trespass	Priority
Drone and package containing contraband seized at Drummondville detention center, Canada	P2
Summary	
Prison security officers managed to intercept a drone carrying a package flying into prison grounds.	
Oversion	
A drove used to transport rancellos into Drummondolle detention center in Canada was intercepted to security officers. Write the method of interception was not stated, prison officers managed to get hold drove and the package, which contained narrotics, follows and centure tools. The package and the drawer familied over to the national police force for further mustigation.	of the
Analysis	
 Droves are good tools with a lower risk of being apprehended as operators are obsated away the area of operation 	Num
 Discreed drawn prosess risk to operation as forensis analysis on data stored within our lead's exposure of identity. 	
tocation of droves and drove speciation, Youanan, the risk of being traced due to risual opining analys foreness explicitation on a drove poses an exposure risk to the operation,—an advantage to less enforce agencies without drove detection systems. Although current less may not permit the targeting and drove droves, less enforcement agencies can tall after a drove to its operator in order to apprehend from a familied. Alternatively, foreness on the data stored within the coalest drove will expose drove operate drove video footages can allow less enforcement to trace the sterling and end points of the drove, and exception of the offenders may also be captured within the risks, allowing sector investigation agent offenders.	ament softing of reactive r bead
Throat Actor Group	
Prior Drove Delivery Groups: (Spoul)-els-docress.com/es/els/doc/METES priors drove delivery p	
Recommendation	
More individuals around the world are noncoling similar incidents, as droves provide higher success or fower risk undertaken. Basic drove intigation and preparation measures are recommended to respond incidents. Counter-drove systems that allow the detection of droves series as a good day towards the presention of drove detivenes. Drovelins advocates the needs for a drove threat management Standar Operating Procedure (SOP) or incident flaquores (R) plan where processes, people and methodologie responding and handing droves and the operation are recorded and followed by all parameter, in this maintaining cloud tracking and observation of the drove took place in fac of foresis analysis, as the case not rollarly second by prison officials.	for such di s in rosse,
References	
Mps. Dogiff, acies store servet a adverser de stapellets ses le sette de détection i terre les autorites a disconnectelle	



1.3. CYBER AND DATA SECURITY (P3)

Parrot launches bug bounty program to enrich data security of drones and infrastructure

https://dronelife.com/2021/04/06/parrot-launches-bug-bounty-with-yeswehack-to-up-security-analysis/

1.4. NON-CONFLICT NEWS AND EVENTS (P3)

Two men plead guilty for contraband delivery using DIY-drone into Telfair State Prison (update)

https://www.hstoday.us/subject-matter-areas/law-enforcement-and-public-safety/two-plead-guilty-to-operating-an-unregistered-drone-to-deliver-contraband/

Men charged for dive-bombing unregistered drone into law enforcement officers (update)

https://heraldcourier.com/news/state-and-regional/after-drone-dive-bombs-salem-police-and-firefighters-man-faces-federal-charge/article_c477d93d-8c32-5c49-85aa-7e31e01fd5fc.html

1.5. CONFLICT NEWS AND EVENTS (P3)

Two Houthi suicide drones targeting Khamis Mushait destroyed by Arab Coalition

https://english.alarabiya.net/News/gulf/2021/04/02/Arab-Coalition-intercepts-2-Houthi-explosive-drones-fired-at-Saudi-s-Khamis-Mushait

https://twitter.com/Yahya Saree/status/1377729698298527748

Yemeni Army announcing the shooting down oif Houthi IED drone above Ma'rib

https://twitter.com/alainbrk/status/1379174229422321674

1.6. WHITEPAPERS, PUBLICATIONS & REGULATIONS (P3)

NAAA cautions drone operators not to disrupt low-flying agricultural aircrafts

https://www.agairupdate.com/drone-operators-cautioned-to-not-disrupt-low-flying-ag-aircraft-during-pandemic/

Attorney's perspective invasion of privacy from a drone (commentary)

https://www.prnewswire.com/news-releases/invasion-of-privacy-from-a-drone--attorney-frederick-penneys-perspective-301263218.html

Impact of the European Drone Regulation on UTM, U-Space and Enterprise Fleet Management

https://dronelife.com/2021/04/05/european-drone-regulations-expert-perspectives/

Meet the future weapon of mass destruction, the drone swarm (commentary)

https://thebulletin.org/2021/04/meet-the-future-weapon-of-mass-destruction-the-drone-swarm/





1.7. SOCIALS (P4)

National Defense - Counter drone technology (podcast)

https://nationaldefense.libsyn.com/april-2020-counter-drone-tech-healing-the-helicopter-industrial-base-and-the-progress-on-columbia-class-subs

Hobbyist voices challenges faced by drone operators when encountering police helicopters

https://mavicpilots.com/threads/sudden-often-unexpected-close-proximity-to-police-helicopters-creates-unique-challenges-for-drone-operators.109418/

Birmingham Airport showcases ability to detect, identify and track drone intrusions

https://twitter.com/UAVHive/status/1379128018740903936

Mavic 2 Pro loses signal during flight under Sunshine Skyway Bridge

https://www.youtube.com/watch?v=ywbO9rZqLaE

San Mateo PD to use drones to drop lifejackets to swimmers in need

https://www.facebook.com/SMCSheriff/posts/3978082045586427

1.8. COUNTER-DRONE SYSTEMS (P4)

Skeyes and Citymesh to test use of drones and counter drone systems around Brussels airport

https://www.brusselstimes.com/news/belgium-all-news/162944/skeyes-brussels-airport-tests-the-deployment-of-citymesh-drones-aviation-travel/

US Army receives Xtend's Skylord Griffon, a counter-drone drone collision AR system

https://www.unmannedairspace.info/counter-uas-systems-and-policies/xtend-announces-delivery-of-dozens-of-skylord-griffon-c-uas-units-to-us-army-special-operations-command/

Kratos Defense awarded USD\$86M to support US Army with drone C2 systems

http://www.globenewswire.com/news-release/2021/04/05/2204245/224/en/Kratos-Wins-86-Million-Assuming-All-Options-Exercised-Single-Award-U-S-Army-Contract-for-Drone-Command-and-Control-Systems.html

KWESST signs agreement for AerialX GreyGhost counter-drone missile system

 $\frac{https://www.proactiveinvestors.com/companies/news/945801/kwesst-signs-exclusive-agreement-with-aerialx-drone-solutions-for-counter-drone-technology-945801.html$

Fortem Technologies announces integration of DroneHunter into existing US Army C2 systems

 $\frac{https://www.everythingrf.com/News/details/12071-ai-enabled-drone-detection-solution-selected-by-the-us-army-joint-counter-uas-office$

Skylock launches C-UAS hard kill system effective against drone swarms

 $\underline{https://www.unmannedairspace.info/counter-uas-systems-and-policies/skylock-launches-c-uas-hard-kill-system-effective-against-drone-swarms/$





1.9. INFORMATIONAL (P5)

Two men electrocuted by hydro wire while trying to retrieve drone stuck in tree

https://montreal.ctvnews.ca/two-brossard-men-electrocuted-while-trying-to-retrieve-a-drone-struck-in-a-tree-1.5373522

Four-year-old autistic child found in desert after missing for 24 hours, drones deployed

https://www.abc.net.au/news/2021-04-03/missing-girl-near-alice-springs/100047248

Search and rescue team finds stranded hikers in Beus Canyon with aid from Matrice 300, Utah

https://www.fox5ny.com/news/drone-locates-stranded-hikers-in-utah

Thermal imaging drone spots 30 people partying under bridge despite Covid-19 regulations

https://www.standard.co.uk/news/crime/west-midlands-police-m6-motorway-bridge-thermal-drone-illegal-rave-b927309.html

DJI Matrice 300 drone finds missing woman who was lost for two days

https://dronedi.com/2021/04/05/chinese-woman-lost-for-three-days-found-by-a-drone-in-20-mins/

1.10. UTM SYSTEMS (P5)

South Korea prepares roadmap to launch UAM by 2025

http://www.businesskorea.co.kr/news/articleView.html?idxno=63742

Port of Antwerp working towards creation of drone ecosystem together with Unifly

https://www.commercialuavnews.com/infrastructure/the-port-of-antwerp-is-working-toward-the-deployment-of-autonomous-drones

Drones represent a flying traffic nightmare without planning (commentary)

https://www.freightwaves.com/news/without-planning-drones-represent-a-flying-traffic-nightmare

The NAAMA Project - towards a national drone network for delivery, transport and mobility

https://israeltrade.org.au/2021/04/07/the-naama-project-towards-creating-a-national-drone-network-for-commercial-delivery-medical-transport-and-urban-air-mobility/

1.11. DRONE TECHNOLOGY (P5)

Valkyrie drone successfully launches drone payload from inside its internal weapons bay

https://www.defensenews.com/air/2021/04/05/the-valkyrie-drone-launches-an-even-smaller-drone-from-inside-its-payload-bay/

3,281 drones used during Hyundai's Genesis opening ceremony

https://www.theverge.com/2021/4/4/22367182/hyundai-genesis-drone-show-guinness-world-record-china

NUAIR and DroneResponders to fast-track adoption of drones across states for safety operations

https://www.cnybj.com/nuair-florida-nonprofit-integrate-drones-public-safety-state-agency-operations/





Pacific County Coastal Police ramps up drone use for search and rescue operations

https://www.chinookobserver.com/news/local/sky-eyes-coastal-police-embrace-drones/article 6c4e826c-96fa-11eb-8389-b3c810653681.html

Atlanta PD to purchase drones with thermal camera to find suspects and missing persons

 $\frac{https://www.fox5atlanta.com/news/atlanta-police-to-purchase-infrared-drones-to-find-suspects-and-missing-people}{} \\$





For Appendix items please click this link.

