DRONE SEC

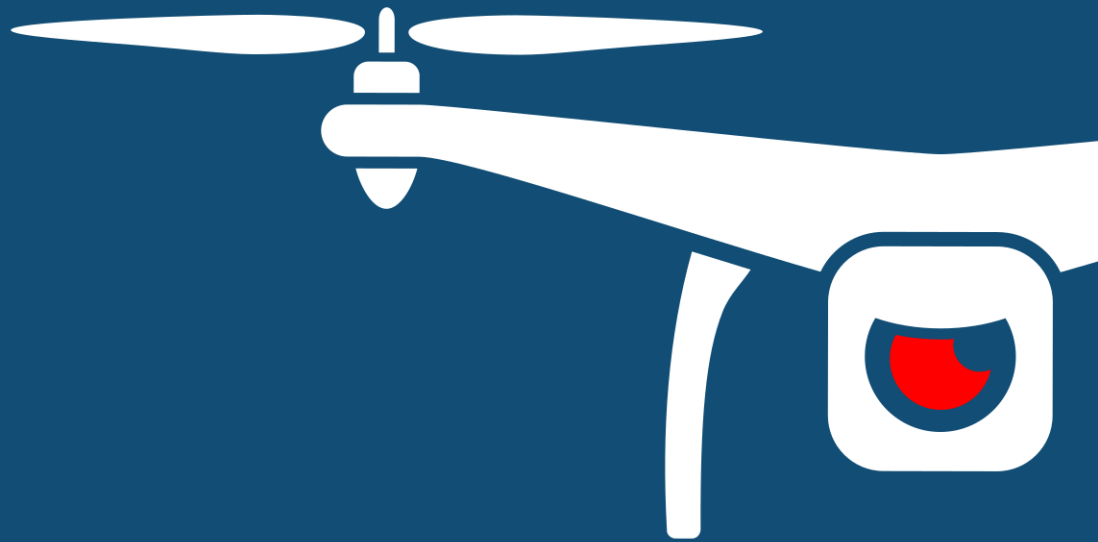## NOTIFY ISSUE #118 (PUBLIC)

WEEKLY THREAT INTELLIGENCE

17 Mar 2022 | v1.0 RELEASE

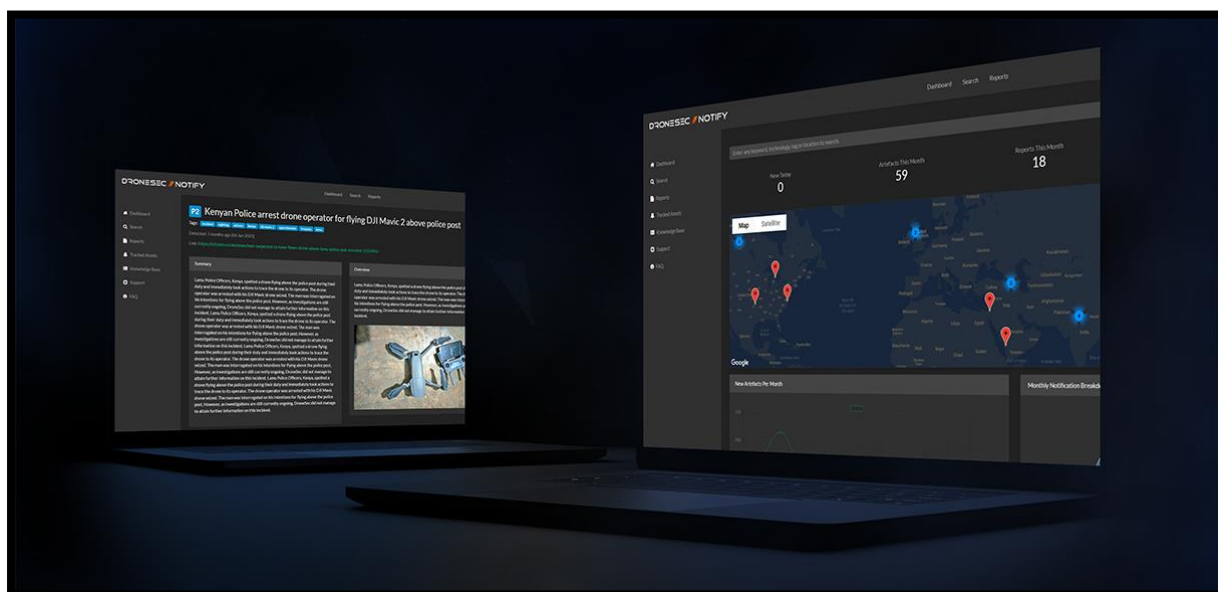# UAS HACKING, HARDENING AND DEFENCE

DOCUMENT **CONTROL**

PREPARATION

DroneSec (dronesec.com)

Threat Intelligence Team

Email: info@dronesec.com

This document is a summary of real-time incidents released within the Notify UAS Threat Intelligence Platform. If you have been forwarded this document, subscribe for future updates: here.

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1. THREAT INTELLIGENCE

1.1. FEATURED ADVISORIES

The prioritisation table and how we filter, analyse and visualise the intelligence we collect is located at the end of the document.

Figure 1: Can't see this? Contact us to sign up for Notify PRIVATE

Figure 2: Can't see this? Contact us to sign up for Notify PRIVATE
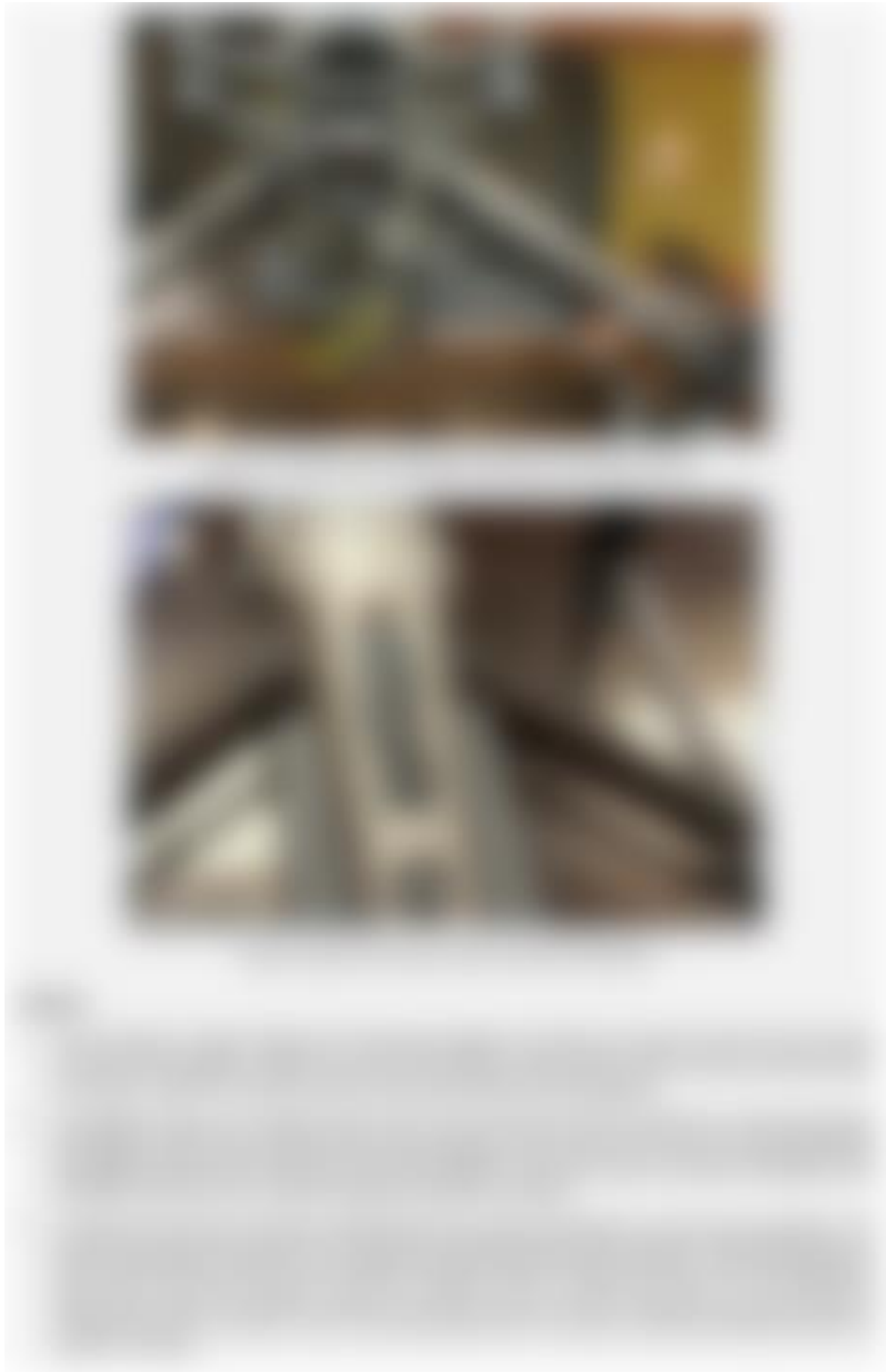
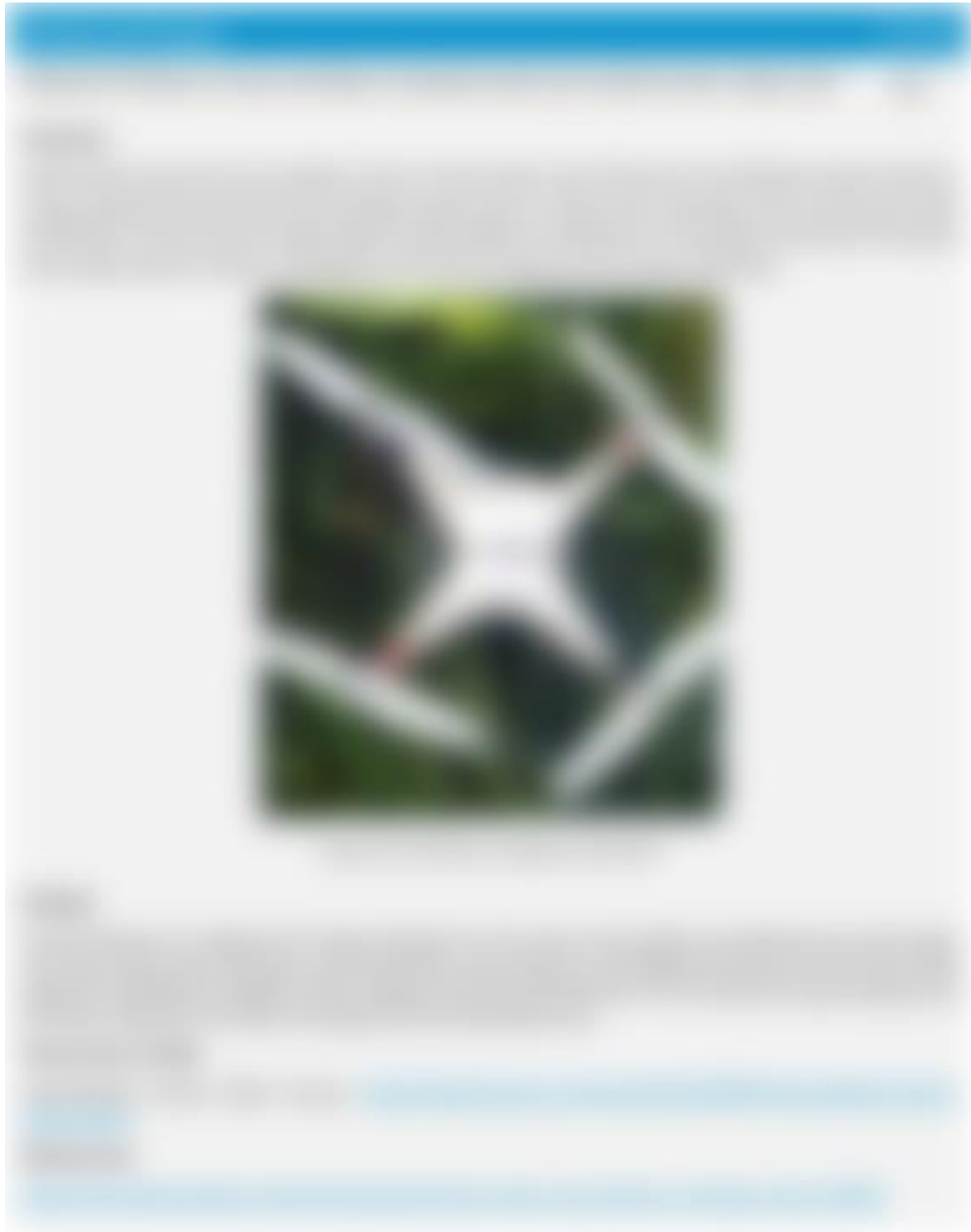Figure 3: Can't see this? Contact us to sign up for Notify PRIVATE

Figure 4: Can't see this? Contact us to sign up for Notify PRIVATE

1.2. NON-CONFLICT NEWS AND EVENTS (P3)

Farmer spots drone surveilling on bulk fuel tank, warns of potential raid, New Zealand

https://www.nzherald.co.nz/nz/drone-alert-farmers-warned-over-airborne-fuel-theft-scouts/AJ2TJZ73BEATUJ6NA3LTGLJVEQ/

1.3. CONFLICT NEWS AND EVENTS (P3)

Suspected saboteur apprehended in Zaporizhzhia, for possessing weapons and drones, Ukraine

Figure 5: A Visuo XS809HW drone seized from a saboteur in Zaporizhzhia, Ukraine

https://reporter-ua.com/2022/03/10/382955_v-zaporozhe-zaderzhan-podozrevaemyy-v-diversionnoy-deyatelnosti-foto

Police arrests man for using DJI Mini 2 to map locations of Ukrainian troops, Matviivka

Figure 6: DJI Mini 2 seized from a pro-Russian civilian in Matviivka

https://t.me/mykolaiv0512/2958

Ukrainian soldiers modify DJI Inspire drone to drop Molotov bottles against Russian forces

Figure 7: DJI Inspire drone modified to carry and release beer bottles sized incendiary munitions

https://nypost.com/2022/03/10/ukrainians-develop-drone-that-drops-molotov-cocktails/

Tu-141 "Strizh" drone loaded with explosives crashes in Zagreb, Croatia

https://www.thedrive.com/the-war-zone/44697/ukrainian-tu-141-strizh-missile-like-drone-appears-to-have-crashed-in-croatia

Ukrainian Tu-141 drone shot down over Crimea by Russian Air Defences

Figure 8: Remnants of a crashed TU-141 drone

https://t.me/rgsila/3603

Russian Forpost drone shot down over Zhytomyr, Ukraine

https://t.me/ukraine3/1956

Russian Forpost drone trespasses into Poland and Ukraine before being shot down

https://www.ukrinform.net/rubric-ato/3429939-russian-drones-keep-breaching-nato-airspace.html

Russian Zala Aero KUB-BLA suicide drone shot down and crashed into residential building

Figure 9: Zala Aero KUB-BLA suicide drone shot down over residential areas in Ukraine

https://t.me/huevyi_dnepr/7170 (payload)

https://t.me/Pravda_Gerashchenko/3674 (building)

Second Russian Zala Aero KUB-BLA suicide drone found crashed in Kyiv, Ukraine

Figure 10: Zala Aero KUB-BLA suicide drone shot down over Ukraine Capital, Kyiv

https://twitter.com/UAWeapons/status/1503437049596157961

Russian Orlan-10 drone crash lands in Bistrita-Nasaud, Romania

Figure 11: Russian Orlan-10 crash lands in Romania due to fuel shortage

https://www.ukrinform.net/rubric-ato/3429510-reports-of-russian-drone-landing-in-romania-media.html

Ukrainian forces seize ZAO ENIX Eleron-3 drone from Russian forces

Figure 12: Russian surveillance drone, Eleron 3, seized by Ukrainian forces

https://t.me/iswnews/29706

Ukrainian forces attach magnetic, remote detonation explosives to a DJI Matrice 300, Ukraine

https://twitter.com/theragex/status/1502985341111881728

Saudi Arabia destroys Houthi suicide drone targeting Jazan

https://english.aawsat.com/home/article/3522326/saudi-defenses-destroy-drone-targeting-jazan

Fire at Saudi Aramco oil refinery reported to be caused by a drone strike, Riyadh

https://en.abna24.com/news//saudi-arabia-says-oil-refinery-in-riyadh-came-under-attack_1238069.html

Yemen takes responsibility of launching nine suicide drones targeting Saudi Arabia

https://fa.alalam.ir/news/6082423

Iraqi militants drop improvised explosives from a drone, killing two

Figure 13: Modified munition released from a drone, Iraq

https://t.me/CombatFootageBackup/887

1.4. CYBER AND DATA SECURITY (P4)

Has DJI throttled AeroScope in Ukraine?

https://www.suasnews.com/2022/03/has-dji-throttled-aeroscope-in-ukraine/

For Notify customers, view the full DroneSec report released last week at: https://notify.dronesec.com/

1.5. SOCIALS (P4)

Drone videos Russian tanks being ambushed in Brovary, Ukraine

https://www.theguardian.com/world/video/2022/mar/10/russian-tanks-ambushed-war-ukraine-kiev-brovary-video

Drone surveils Azov Division ATGM soldiers setting posture at rooftops in Mariupol, Ukraine

https://t.me/AmAj24/120019

Russian newspaper, Izvestia, releases drone footage of battles in Mariupol, Ukraine

https://iz.ru/1303439/roman-kretcul-bogdan-stepovoi/v-gorodskoi-cherte-podrazdeleniia-donbassa-prodolzhaiut-osvobozhdat-mariupol

Drone video footage of precision strikes in Mariupol, Ukraine

https://t.me/ukrainerussiatiktok/40912

https://twitter.com/EuropeOsint/status/1501646900168212492 (additional footage)

Video shows Ukrainian soldiers using DJI drone to conduct direct mortar fire

https://t.me/MilitaerNews/3317

Drone captures Russian armoured convoy caught in an ambush by Ukrainian soldiers

https://t.me/OSINTUKRAINE/3031

Ukrainian drone conducts battlefield assessment on armoured vehicle assault

https://t.me/ministry_of_defense_ua/147

Russia releases video of drone-guided artillery strike on Ukrainian weapons depot

https://t.me/times001/495174

Video of Spanish soldiers training on using DJI Mini 2 in Ukraine

https://t.me/bioevoluciongrupo/223263

Drone footage over Mariupol, Ukraine, shows massive destruction

https://t.me/CIG_telegram/18462

Drone videos Ukrainian Azov Battalion retaliating against Russian forces in Mariupol

https://t.me/jangaavaran/53466

Drone overflies Sumy, Ukraine, videos destruction of residential area after Russian shelling

https://t.me/newspn/10227

German TV Channel, ZDF, publishes drone footage of Russian soldiers gunning down civilian

https://t.me/jangaavaran/53624

Drone videos mortar and artillery fire of Russian positions hidden in a forest, Gostomel, Ukraine

https://www.instagram.com/p/CbFqtP5Anb3/

https://twitter.com/Blue_Sauron/status/1503145870056960008

Ukrainian SOF demonstrate DJI Mavic 2 drone use for ISR, Ukraine

https://www.instagram.com/p/CbGOQhLI8T_/

Ukrainian SOF using DJI Phantom 3 drone in Viktorivka, Ukraine

https://twitter.com/Blue_Sauron/status/1502237709150167042/photo/2

1.6. WHITEPAPERS, PUBLICATIONS & REGULATIONS (P4)

An update on the Russian drone operations we have seen 18 days into this war (Commentary)

https://www.linkedin.com/pulse/update-russian-drone-operations-we-have-seen-18-days-war-de-zitter/

1.7. COUNTER DRONE SYSTEMS (P4)

Mozambique Army jam and down three Islamic State drones using Israeli MCTECH RF jammer

https://www.jpost.com/international/article-700691

1.8. INFORMATIONAL (P5)

Oakland Police get $80,000 grant to purchase DJI Matrice 300 and drone programme

https://www.sfchronicle.com/eastbay/article/Oakland-police-are-buying-an-80-000-drone-fleet-17001909.php

1.9. DRONE TECHNOLOGY (P5)

Australian researchers mapped Hoverfly's brain to detect drones' acoustic signatures

https://www.sciencedaily.com/releases/2022/03/220315094954.htm

For Appendix items please click this link.