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To: [DL-ORWG - All](#)
Subject: Aircraft Disinfection
Date: Sunday, March 29, 2020 18:25:26
Attachments: [CAPF 160 COVID 19 ORWG Approved.pdf](#)
[Glove Removal Procedure.pptx](#)

MEMORANDUM FOR: ORWG

FROM ORWG/LGM

SUBJECT: Aircraft Disinfection

REFERENCES:

- (a) CAWG Aircraft and Vehicle Cleaning Presentation (https://youtu.be/NOEs_jip-nU)
- (b) CDC Disinfection Recommendations (<https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/cleaning-disinfection.html>)
- (c) Glove Removal Procedures
- (d) CAPF 160 Sample

1. ORWG members have expressed concern about availability, purchasing, training, and use of materials to disinfect aircraft and vehicles.
2. Squadrons are responsible for purchasing their own cleaning products for aircraft. If there is a significant barrier to purchasing cleaning products, this will need to be handled on a case-by-case basis weighing operational considerations.
3. Regarding training, disinfection procedures should be treated like aircraft ground handling training. There is currently no way to track the training, therefore the LGM asks all ICs and FROs to ensure aircrew have watched the referenced video from CAWG and analyzed the operational risk regarding infection.
4. Currently, there are conflicting opinions regarding the use of Bleach. The CAWG video recommends a 10 parts water to 1 part Bleach solution or and Isopropyl Alcohol solution. The 10:1 ratio far exceeds Clorox and CDC recommendations (32:1 and 48:1 respectively). Furthermore, Bleach is known to affect some types of plastic, and some CAP Wings have explicitly disallowed the use of Bleach to disinfect aircraft.
5. Cessna's only guidance has been to use the specialty products Zip-Chem Calla 1452 or Netbiokem DSAM.
6. Given this conflict and limited guidance from Cessna, the LGM, with concurrence of ORWG/DO, recommends the following:
 - * IMSAFE. Total and complete crew honesty about health and exposure risk.
 - * Minimal crew. Make operational risk judgements about the required crew, e.g. do not send a scanner on a high bird flight.
 - * All aircrew members should review the attached documents and CAWG video well in advance of an air sortie. Be prepared with your own cleaning materials. DO NOT fly an

aircraft and secure it without disinfecting it. ICs and FROs, please DO NOT release a crew without verifying they have the means to disinfect the aircraft.

* Consider wearing disposable gloves for the entirety of the sortie to limit the cleaning necessary for avionics. This has its own risk considerations aircrew should weigh.

* DO NOT substitute Nomex flight gloves for disposable gloves.

* If you wear gloves during the preflight, DO NOT wear the same gloves inside the airplane.

* Carefully follow the techniques in the CAWG video, e.g. DO NOT spray the solution on the surfaces.

* Use the aforementioned Cessna-tested specialty products if possible. Use Isopropyl Alcohol wipes if specialty products are not available. Use Bleach only if absolutely necessary and at the CDC recommended concentration. BE EXTRAORDINARILY CAREFUL if you use Bleach. GET THE CONCENTRATION RIGHT and MAKE SURE TO KEEP DOORS AND WINDOWS OPEN WHILE CLEANING.

* Watch for damage. If you notice any damage due to Bleach or Isopropyl Alcohol, DISCONTINUE USE IMMEDIATELY. NOTIFY the LGM, the DO, and the IC (if on a mission). Notification is vitally important. Damage due to cleaning will substantially affect operations.

* BE EXTRAORDINARILY CAREFUL when cleaning avionics. DO NOT CLEAN SCREENS with a Bleach or Isopropyl Alcohol solution. ONLY use cleaning solutions designed for screens. Avoid the need to clean the screens all together by NOT TOUCHING THEM in the first place.

* DO NOT clean fabric with these solutions.

--

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