



QA FLASH 20-03

SUBJECT: COVID-19 Aircraft Disinfection Procedures
DATE: 16 Mar 2020

COVID-19 Aircraft Disinfection Procedures

Per 20-005 AMC Cross Tell, guidance has been published for the C-5 Fleet and COVID-19 disinfection procedures. If other weapon systems choose to use this interim guidance; the MXG/CC must submit a 107 for use on their specific MDS platform.

Please reference 20-005 AMC Cross Tell below for step by step disinfection procedures and approval of AeroDis 7127 and Atomizers.

Communications:

E-Mail: For all inquiries, please use the NGB/A4MM distro box:
usaf.jbanafw.ngb-a4.list.Maintenance-Policy@mail.mil

Air National Guard Policy/Quality Assurance (NGB/MXQ) SharePoint link:
<https://intelshare.intelink.gov/sites/ngba4/SitePages/Program-A4M.aspx?Program=A4MM%20-%20Policy%20and%20Procedures>

Points of Contact:

NGB/A4MM Staff:

A4MM Branch Chief: Mr. Emery Breznai, DSN 612-7799, emery.j.breznai.civ@mail.mil
A4MM Supervisor: Mr. Steve Sammons, DSN 612-7557, steven.c.sammons.civ@mail.mil
A4MM Policy: SMSgt Keith Taber, DSN 612-8461, keith.h.taber.mil@mail.mil
A4MM Policy: MSgt Dwayne Farr, DSN 612-8663, dwayne.a.farr.mil@mail.mil
A4MM Analysis: SMSgt Roberta Gossard, DSN 612-8579, roberta.a.gossard.mil@mail.mil
A4MM Analysis: SMSgt Christopher Bromm, DSN 612-9866, christopher.i.bromm.mil@mail.mil
A4MM TODO: MSgt Robin McGill, DSN 612-8122, robin.r.mcgill.mil@mail.mil
A4MM AGE/PMEL: Mr. Kenny Andrews, DSN 612-9115, kenneth.l.andrews2.civ@mail.mil
A4MM AVDO: Mr. Stan Harton, DSN 612-8486, ben.s.harton.civ@mail.mil



HQ AMC/A4M&Q MAINTENANCE CROSS-TELL C-5M COVID-19 Disinfection Procedures



Control Number: 20-005

Title: C-5M Coronavirus (COVID-19) Disinfection Procedures and Approval of AeroDis 7127 and Atomizers

Date Posted: 13 March 2020

Author: C-5 SPO **POCs:** C-5/C-17 CMSgt Brian Eshleman & A4M (C)MSgt Greg Fox

Purpose: Update the AMC aircraft maintenance community on C-5M COVID-19 disinfection procedures and approval of AeroDis 7127 and atomizers. If another weapon system chooses to use this interim guidance, the MXG/CC can submit a 107 for use on their specific weapon system.

C-5M COVID-19 Disinfection Procedures:

For C-5M aircraft interiors that have been exposed to Coronavirus, cabin interior trim panels and personnel contact areas, such as seats, seatback pockets, tray tables and floors shall be disinfected. Common area surfaces in galleys and lavatories shall also be disinfected using Calla 1452 or AeroDis 7127, manufactured by ZIP-CHEM Aviation Products. These areas include the Flight Deck, Reserve Crew Compartment, Troop Compartment, Latrines, and Cargo Bay.

Flight crew shall be educated to recognize the symptoms of COVID-19. If no symptomatic passengers were identified during or immediately after the flight, follow routine operating procedures for cleaning aircraft, managing solid waste, and wearing PPE.

If symptomatic passenger(s) are identified during or immediately after the flight, routine cleaning procedures should be followed, and enhanced cleaning procedures shall also be used as follows:

Recommended Personal Protective Equipment (PPE) during cleaning shall be as follows:

- Disposable gloves recommended by the manufacturer of the disinfectant should be worn
- Surgical mask
- Eye protection: goggles or face shield
- Closed-toe shoes and shoe covers
- Long-sleeved disposable waterproof gown should be worn while cleaning the cabin and lavatories
- Eye protection, such as a faceshield or goggles and facemask

During the Enhanced Cleaning Process:

- Ground and cleaning crews should not board the aircraft until all personnel have disembarked
- Recirculation systems should be kept running while cleaning crews are working aboard the airplane

- If visible contamination (e.g., a body substance such as blood or body fluids) is present, routine airline cleaning procedures should be followed based on blood or body substance spill management
- Cleaning crews shall be trained on and demonstrate an understanding of when to use PPE, what PPE is necessary, how to properly don (put on), use, and doff (take off) PPE
- After doffing (taking off) PPE, cleaning staff should immediately clean hands with soap and water for at least 20 seconds. If soap and water not available and hands are not visibly dirty, an alcohol-based hand sanitizer that contains at least 60% alcohol may be used. However, if hands are visibly dirty, always wash hands with soap and water
- Cleaning crews shall be provided with alcohol-based hand sanitizer for their personal use
- Cleaning staff should immediately report breaches in PPE (e.g., tear in gloves) or any potential exposures (e.g., contact with blood or body fluids without wearing appropriate PPE) to their supervisor
- Cleaning personnel shall dispose of PPE and other disposable items used in cleaning
- Cleaning personnel shall immediately notify their supervisor if they develop symptoms of COVID-19

Disinfection Procedures:

Based on communications with the US EPA, Calla Neutral Disinfectant Product, (Calla1452) EPA Registration No. 1839-168, and AeroDis 7127 Disinfectant Product, may be used to disinfect the hard non-porous surfaces on the aircraft. The US EPA recommends that operator cleaning crews follow the directions for use under the Virucidal Activity making sure surfaces remain wet for 10 minutes.

1. Do not use the aircraft interphone system if possible. Use an alternate method for communication to avoid damage/shorts to aircraft avionics
2. To disinfect inanimate, hard, and non-porous surfaces, add 4 ounces of Calla 1452 per 1 gallon of water
3. Apply solution with a mop, cloth, sponge, hand pump trigger sprayer, or low pressure coarse sprayer. Permission granted to use backpack type atomizers

AVIONICS SPECIFIC PROCEDURES – Steps 4 through 8

4. Turn off all avionics components that will be disinfected. PCIU shall be turned off and not in standby mode

WARNING

Do Not Spray Liquid Directly On Avionics Equipment

5. Use a pre-saturated towelette with at least 55% isopropyl alcohol solution or use AERODIS 7127 towelette. If pre-saturated towelettes are not available, spray CALLA-1452 solution on a paper towel, tech wipe or similar product until damp but not saturated
6. Dampen surface with the towelette (i.e. keyboard, monitor, screen, console panels, etc.)
7. Leave the surface visibly damp for 4 minutes (10 minutes if using CALLA-1452 or AeroDis 7127 solution) and allow it to air dry
8. After 4 minutes (10 minutes if using CALLA-1452 solution) wipe residual liquid clean with tech wipe, paper towel or equivalent

9. Surfaces shall be thoroughly coated such as to ensure surfaces remain wet for 10 minutes. Over saturation is acceptable to ensure surfaces remain wet. There is no need to perform a post wipe following the 10 minute dwell period

10. All galley equipment including carts and carriers are being segregated, sanitized/disinfected and washed

11. Clean porous (soft) surfaces (e.g. seat covers) by removing spots and/or areas of visible contamination if present and using appropriate cleaners that are compatible with aircraft surfaces. For items that can be laundered, use the warm setting and dry items completely on high heat

WARNING

Solid Streaming, or anything close to a solid stream, of disinfectant is not authorized and may cause damage to aircraft avionics/electronics and otherwise affect aircraft safety, operations, and availability. Avoid pointing atomizing nozzles/equipment directly on or at aircraft avionics/electronics equipment.

NOTE

Atomizing (misting) may be accomplished using either a backpack style sprayer and/or a similar atomizing delivery method. Spray bottles may be used to atomize small localized areas.

12. Following all spot cleaning and laundering, thoroughly atomize (mist) the entire area using Calla 1452 ensuring complete coverage and saturation of seats, seatbelts, ensuring the lower/bottom surfaces are covered. Monitor the minimum 10 minute dwell of fabrics by observing and ensuring the wetting of adjacent and/or nearby hard surfaces

13. During atomizing, ensure aircraft recirculation fans are ON and remain ON during entire atomizing operation

14. Clean non-porous (hard) surfaces, including: armrests, plastic and metal parts of the seats and seatbacks, tray tables, seat belt latches, light and air controls, cabin crew call button, overhead compartment handles, adjacent walls, bulkheads, windows and window shades

15. Clean lavatories, including: door handle, locking device, toilet seat, faucet, washbasin, adjacent walls, and counter

16. Properly dispose of any items that cannot be disinfected and/or cleaned (e.g., pillows, safety placards, and other similar items)