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|  BUDDHA AIR | COVID-19 PREVENTION SOP | CHAPTER 5 |
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5.1. INTRODUCTION:

This procedure has been developed for preventive disinfection of aircraft flight deck, cabin and other frequently touched aircraft parts by passengers during aircraft operation in COVID-19 Pandemic period in line with CAA Nepal Directive.

5.2. MATERIALS REQUIREMENT

- Approved Disinfectant
- Clean Dry Lint Free Cloth
- Masks
- Water-proof Jump Suit
- Face Shield
- Rubber Gloves
- Waste Bags
- Shoe protection cover
- Spray bottle
- ULV Sprayer


These materials (Appendix 8) in adequate amount shall be supplied continuously to all the stations with information to the respective contact personnel by GSD except for Approved Disinfectant and ULV Sprayer which shall be supplied by Technical Supplies and Stores Division.

5.3. PROCEDURE FOR AIRCRAFT PREVENTIVE DISINFECTION:

1. No one shall enter the aircraft without their hand sanitized or washed properly and wearing the mask properly.
2. Dedicated trained personnel [Cleaning Staff, Helpers and Loaders] shall only enter the aircraft after wearing all the required protective gears like masks, gloves, apron and protective eye gears for the purpose of aircraft routine cleaning and disinfection.
3. Dedicated Trained Personnel are grouped in FOUR and such personnel in the group wise should only be assigned for aircraft cleaning and disinfection as far as practicable.
4. Different personnel within the group shall be assigned for different areas as far as practicable in order to prevent possible cross contamination.
5. Separate clothes and mops should be used for aisle, lavatory [if used during the flight] and gallery, and mark them.
6. Before commencement of aircraft cleaning and disinfection, the cargo door, passenger door and service door of an aircraft should be in open position for proper ventilation
7. Disinfection of aircraft shall only be commenced after completion of aircraft routine cleaning after each flight and at the end of day's flight.
8. "Instruction for Use" and "Safety /Precaution" labeled on the container of Approved Disinfectant shall always be followed.

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9. During disinfection, surfaces should be rubbed using clothes soaked with disinfectant, or sprayed with the disinfectant and after a period of reaction [5 minutes in the case of Approved Disinfectant Netbiokem DSAM], a regular cleaning process should be carried out to avoid erosive effect on cabin components due to long time exposure to the disinfectant with clean dry cloth.
10. Before first flight of the day, the passenger cabin and cargo compartment frequently touch surfaces (such as door handles/levers) and lavatory shall be sprayed with the disinfectant by ULV Sprayer. After completion of disinfection by this method, the aircraft should be left with all doors opened for at least 15 minutes in order to have natural cross ventilation.
11. For Flight Deck disinfection, application to surfaces should be with pre-moistened wipes or single use wetted cloth and use limited bottle sizes on board to minimize the risk of spilling the disinfectant solution. Do not spray disinfectant in the flight deck. Do not allow the liquid to pool or drip into the equipment.
12. Either any one of above-mentioned aircraft disinfection method will be applied as and when deemed necessary
13. All disposable protective equipment, after their use, should be placed in double waste bags for disposal.
14. Other protective equipment can be sterilized by washing them with detergent and hot water OR soaked in Diluted Bleach solution, rinse and dry it.
15. Reusable face shield should be promptly sterilized and dried every time after use. Face shield with an anti-fogging film should avoid being wiped with disinfectant.
16. Cleaning staff should sanitize their hands properly either by using sanitizer or washing hands with soap before and after removing their protective gears.
17. The aircraft routine cleaning and preventive disinfection after each flight during aircraft line operation shall be monitored by the respective cabin crew and make required entry on onboard Aircraft Preventive Disinfection log (available in Appendix 1) after successful completion of the task.
18. In the case of aircraft routine cleaning and preventive disinfection after the last flight of the day, such tasks should only be initiated only after complete disembarkation of all passengers and crew members. In this case, the monitoring and logging should be performed by the respective technician / engineer.
19. As the frequency of aircraft disinfection is significantly increased during COVID-19 Pandemic operations in compare with its normal schedule, and there is no data on the long term effects associated with this frequent disinfection, all concern certifying engineers, technicians, cabin crew and cleaning staff should inspect the disinfected areas during the performance of their scheduled inspection of that areas to ensure that there are no long term effects or damages over time. If damages are observed, they shall inform to immediate supervisor and COVID-19 Committee in order to have arrangement for liaison with Aircraft Type Certificate Holder for guidance on alternate disinfectant or process.

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5.4. DISINFECTION OF KEY AREAS SHOULD PROCEED IN THE FOLLOWING ORDER:

5.4.1. After each flight:

- Aisles: Overhead bins, reading lights, air outlets, cabin attendant call switch, seats (tray tables, armrests, seatbelt buckles),
- Lavatories [If used during the flight in unavoidable situation as reported by Cabin Crew]: The disinfection in lavatory should be progressed from contaminated to clean areas as follow: toilet bowls, waste bins, hand basins, lavatory sidewalls, door surfaces, doorknobs, ashtrays (if installed), and latches.
- Galleys: galley facilities, lockers/drawers, and waste bins.
- Additional areas as applicable if the crew members are changed during the aircraft line operation
 - Flight Deck
 - Flight Deck Seats [Arm rest, Seat belt, shoulder Harness and Buckle]
 - Control Columns, Parking brake handle, Power Levers (PL), Condition Levers (CL), Flap Control Lever, Landing Gear Control Lever, Instrument panels, Nose Wheel Steering (NWS) Handle, Chart Holders, Map Holders, Grip Handles, Wind Shield Sun Visors, Cup Holders, Ashtrays, Side Windows Sun Visors, RH/LH Side Console and Switches located at overhead panel, central pedestal and glare shield
 - Cabin Attendant Seats [Seat Belt and Shoulder Harness Buckles]
 - Intercom Phone, Safety Demonstration Equipment
 - Passenger Door Railings

5.4.2. At the end of each day flight

- Aisles: Overhead bins, reading lights, air outlets, cabin attendant call switch, sidewall panels, windows, seats (tray tables, armrests, seatbelt buckles), cabinets/lockers.
- Lavatories: The disinfection in lavatory should be progressed as follow: toilet bowls, waste bins, hand basins, lavatory sidewalls, door surfaces, doorknobs, ashtrays (if installed), and latches.
- Galleys: Galleys facilities, lockers/drawers, and waste bins.
- Flight Deck
 - Flight Deck Seats [Arm rest, Seat belt, shoulder Harness and Buckle]
 - Control Columns, Parking brake handle, Power Levers (PL), Condition Levers (CL), Flap Control Lever, Landing Gear Control Lever, Instrument panels, Nose Wheel Steering (NWS) Handle, Chart Holders, Map Holders, Grip Handles, Wind Shield Sun Visors, Cup Holders, Ashtrays, Side Windows Sun Visors, RH/LH Side Console and Switches located at overhead panel, central pedestal and glare shield
- Cabin Attendant Seats [Seat Belt and Shoulder Harness Buckles]
- Intercom Phone, Safety Demonstration Equipment
- Passenger Door Railings
- Cargo Hold

Everyone is encouraged to report any discrepancies in the work place to one's superior and Corporate Safety Department so that the required remedial action shall be taken for the sake of benefit of all.

At the same time, Flight Crew, Cabin Crew and Technical Staffs are encouraged to report for any areas to be disinfected to the concerned staffs

Upon notification by cabin crew on identified suspected case on board, thorough disinfection should be carried out