



DEPARTMENT OF THE AIR FORCE
C/KC-135 SUSTAINMENT DIVISION (AFMC)
TINKER AIR FORCE BASE OKLAHOMA

8 APR 2011

MEMORANDUM FOR ASC/WNU

FROM: C/KC-135 Engineering Office (OC-ALC/GKCE)
3001 Staff Dr Ste 2AH190B
Tinker AFB OK 73145-3019

SUBJECT: Safe-to-Fly (STF) Certification for Impact 731 Series EMV+ Ventilator

1. The C/KC-135 Sustainment Division, OC-ALC/GKC, has reviewed whether the subject Impact 731 Series EMV+ ventilator; P/N 800-EMVP-04 with Jasper Electronics power supply, model HEMP100G-S240420-7L-M1340 LF, is safe for use on C/KC-135 aircraft.
2. The STF review focuses on whether use of the devices introduce a potential ignition source into the pressurized cabin and whether the device may be a source of electromagnetic interference (EMI) for the navigation/communication equipment used by aircraft flight crew. The relevant test procedure for explosive atmosphere testing is MIL-STD-810G, Method 511.4; and the relevant test procedure for radiated emissions is MIL-STD-461E (RE102).
3. Reports provided document that the Impact 731 Series EMV+ ventilator with Jasper Electronics power supply passed the relevant testing described above. Based on these facts, the C/KC-135 Sustainment Division concurs with the use of these devices during all phases of flight and operations on C/KC-135 aircraft.
4. Our POC is Ralph Petrosky, OC-ALC/GKCLB, DSN 336-4028.


GADDIS R. GANN, Chief Engineer
C/KC-135 Sustainment Division