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

MEMORANDUM FOR ASC/WNU
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18 JUN 2012

FROM: C/KC-135 Engineering Office (OC-ALC/GKCE)
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Tinker AFB OK 73145-3019

SUBJECT: Safe-To-Fly (STF) Certification for the Critical Care Air Transport Team Fatigue Study Devices: AT&T Tilt Personal Digital Assistant (PDA 8900) and Philips Respironics Actiwatch 2

1. The C/KC-135 Sustainment Division, OC-ALC/GKC, has reviewed whether the subject AT&T Tilt PDA 8900 and Philips Respironics Actiwatch 2 are 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 devices 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 511.5; and the relevant test procedure for radiated emissions is MIL-STD-461F (RE102).

3. Reports provided document the AT&T Tilt PDA 8900 and Philips Respironics Actiwatch 2 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.

[redacted]