



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS OKLAHOMA CITY AIR LOGISTICS CENTER (AFMC)
TINKER AIR FORCE BASE OKLAHOMA

MAR 29 2010

MEMORANDUM FOR 77 AESG/CC

FROM: 827 ACSG/EN
3001 Staff Dr Ste 2AH190B
Tinker AFB OK 73145-3019

SUBJECT: Safe-to-Fly (STF) Certification for Welch Allyn FlexiPort Blood Pressure Cuff
(Your Ltr, 18 Mar 10)

1. The 77 AESG recommended STF and the 827 ACSG has reviewed whether the subject Welch Allyn FlexiPort Blood Pressure Cuff is safe for use on C/KC-135 aircraft.
2. The STF review for the Blood Pressure Cuff focuses on whether use of the device introduces a potential ignition source into the pressurized cabin, and whether the device may be a source of electromagnetic interference 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. The relevant test procedure for radiated emissions is MIL-STD-461E (RE102).
3. The letter provided documents the Welch Allyn FlexiPort Blood Pressure Cuff contains no electrical parts and did not require electromagnetic testing, nor was explosive vapor testing recommended. Based on this fact, the 827 ACSG concurs with the use of these devices during all phases of flight/operations on C/KC-135 aircraft.
4. Our POC is [REDACTED]

