



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

MEMORANDUM FOR ASC/WNU

28 FEB 2011

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 FLOTEC Inc. Oxygen Flowmeter

1. The C/KC-135 Sustainment Division, OC-ALC/GKC, has reviewed whether the subject FLOTEC Inc. Oxygen Flowmeter, Model F10-3COM3, is safe for use on C/KC-135 aircraft.
2. The STF review for the FLOTEC Inc. Oxygen Flowmeter 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 (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. The FLOTEC Inc. Oxygen Flowmeter contains no electrical parts; therefore, it did not require EMI or explosive atmosphere testing. Based on these facts, the 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 [REDACTED]

