



DEPARTMENT OF THE AIR FORCE
VIPSAM & SPECIAL DUTY DIVISION (AFMC)
TINKER AIR FORCE BASE OKLAHOMA

JUL 10 2013

MEMORANDUM FOR AFLCMC/WNUP
AMC/SGR

FROM: AFLCMC/WLVE
3001 Staff Drive Ste 1AF1 107B
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SUBJECT: C-12J Safe-To-Fly (STF) Approval for the Essex Cryogenics of Missouri, Inc.
Backpack Medical Oxygen System (BMOS)

References: Technical Report of the Essex Cryogenics of Missouri, Inc. Backpack Medical
Oxygen System (BMOS) FY08.009, Memorandum from 77AESG/CC dated 16 Mar 09.

1. The C-12 System Program Office (SPO) has reviewed the test results for the Essex Cryogenics of Missouri, Inc. Backpack Medical Oxygen System (BMOS) and approves the use of subject equipment for all phases of flight on the C-12J aircraft. This approval is based on the results of vibration, EMI/EMC, temperature, humidity, altitude, rapid decompression, explosive atmosphere, acceleration, and in-flight assessment.
2. BMOS shall be used and maintained in accordance with manufacturer's guidelines and specifications.
3. Configuration management resides with the vendor; any changes to the tested configuration may negate the STF approval.
4. We recommend that the specific part number and specifications be incorporated into the current Aeromedical Evacuation command guidance.

