



**DEPARTMENT OF THE AIR FORCE**  
AIR FORCE LIFE CYCLE MANAGEMENT CENTER  
WRIGHT-PATTERSON AIR FORCE BASE OHIO

1 April 2013

MEMORANDUM FOR AFLCMC/WNUP Aeromedical Test Lab  
ATTN: [REDACTED]  
2060 Monahan Way Bldg 17  
WPAFB, OH 45433

FROM: AFLCMC/WLNE  
235 Byron St., Suite 19A  
Robins AFB, GA 31098

SUBJECT: Safe-to-Fly (STF) Certification for the MAQUET Cardiovascular LLC Rotaflow

1. Based on our review of data for this unit, Safe-to-Fly Certification is granted for use of the MAQUET Cardiovascular LLC Rotaflow for Aero-Medical Evacuation (AE) missions on the C-130E/H aircraft subject to the flight restrictions listed below.

a. Due to failure of the explosive atmosphere test, it is prohibited to operate the Rotaflow console in a fuel-rich environment. The user shall immediately discontinue use of the Rotaflow if the aircraft undergoes air-refueling or any other phase of flight in which a fuel-rich environment can occur. The console may be transported, but operators must resort to the backup manual driver to continue circulating blood in the patient. This manual approach shall also be used if there is cargo in the compartment which might carry fuel.

b. The Console must be floor loaded/secured with three cargo straps, as shown in Figure 6 of the MAQUET technical report (report number FY11-002, dated 28 Feb 2012). The Oxygenation System must be attached to a Special Medical Emergency Evacuation Device as shown in Figure 7 of the MAQUET technical report.

c. The Rotaflow is cumbersome, and will need a minimum of two crew members to transport (one for the console, and the other member for the oxygenation system).

2. Points of contact are [REDACTED]

4/2/2013

X [REDACTED]

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