DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AERONAUTICAL SYSTEMS CENTER (AFMC)
WRIGHT-PATTERSON AIR FORCE BASE OHIO

MEMORANDUM TO: ASC/WNU
1901 TENTH STREET
WRIGHT-PATTERSON AFB, OH 45433

29 March 2012

FROM: ASC/WLV (C-27J PROGRAM BRANCH)
BLDG 16, RM 127-L
2275 D STREET
WRIGHT-PATTERSON AFB OH 45433-7222

SUBJECT: Safe to Fly (STF) Memorandum for the Physio-Control Inc. LifePak 1000 Defibrillator (LP1000)

References: a. ASC/WNUP report, 19 December 2011, Technical Report of the Physio-Control Inc LifePak 1000 Defibrillator (LP1000)

b. ASC/WNU memo, 1 January 2012, Safe-To-Fly (STF) Recommendation for the Physio-Control Inc. LifePak 1000 Defibrillator (LP1000)

c. TO 1C-27J-9, Cargo Loading and Offloading Manual

1. Based on tests documented in reference "a", the LP-1000 Automated External Defibrilator (AED) is approved for transport and operational usage on the C-27J.

2. The LP-1000 is a semiautomatic defibrillator. It comes in a carrying case (with defibrillator pads) and an attached external accessory kit. The bare LP 1000 unit weighs 7.1 pounds.

3. The LP-1000 mounted on NATO litters meets the restraint requirement of 9G forward (3G if transported as cargo), 2G Up, 1.5G aft, 1.5G lateral, and, if unsupported by other structure, 4.5G down.

a) The LP-1000 should be restrained with a strap through the case handle. However, when the case is open the LP-1000 is not restrained to the case.

b) The LP-1000 voice prompts cannot be heard in the noisy flight environment and care providers must rely on visual instructions from the LP 1000 display to determine appropriate medical intervention.

c) The LP-1000 is not compatible with Aviator's Night Vision Imaging System (ANVIS). Crewmembers using ANVIS in the rear of the aircraft will experience "blooming" from the light being emitted from the LP 1000. This active signature may also be seen from outside the aircraft at significant ranges.

d) The LP-1000 also has an infrared data port that may be visible to night vision systems.

4. Questions concerning this letter may be addressed to [redacted]

[redacted]

Cc: HQ AMC/SGX