



**DEPARTMENT OF THE AIR FORCE**  
HEADQUARTERS 330TH AIRCRAFT SUSTAINMENT WING (AFMC)  
ROBINS AIR FORCE BASE, GEORGIA

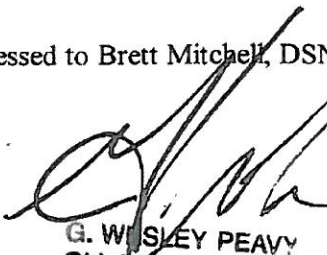
9 July 2010

MEMORANDUM FOR 77 AESG/CC  
7980 Lindbergh Landing  
Brooks City-Base, TX 78235-5119

FROM: 330 ACSG/EN  
235 Byron Street, Suite 19A  
Robins AFB Ga 31098-16708

SUBJECT: Safe-to-Fly Certification for Glidescope Ranger


1. Based on the review of the provided data, a Safe-to-Fly Certification for the Glidescope Ranger is approved for use on C-130 aircraft.
2. The Glidescope Ranger is a small, hand-held, low power laryngoscope. It provides a real time view of a patient's airway enabling fast intubations. It is specifically designed for military and emergency settings.
3. USAARL has already tested the Glidescope Ranger, and it's currently in use by the Army.
4. The 330<sup>th</sup> ACSG shall be notified of any changes to the Glidescope Ranger for approval prior to use on C-130E/H Aircraft.
5. Questions concerning this approval may be addressed to Brett Mitchell, DSN: 468-3738, [brett.mitchell@robins.af.mil](mailto:brett.mitchell@robins.af.mil).

  
G. WISLEY PEAVY  
Chief, C-130  
Engineering Division

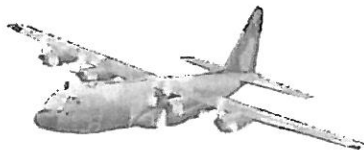


U.S. Army Airworthiness Certification & Evaluation  
Data Sheet



<b>Equipment Under Test (EUT):</b> Verathon Medical GlideScope Ranger (Part Number 0570-0186; SN: RV081307); Reusable Laryngoscope PN 0574-0028, s/n RN081555.	<b>T &amp; E #:</b> 113												
<b>Test Method:</b> Method 500.4 MIL-STD-810F													
<b>Test Date:</b> 22 July 2008													
<b>Test Criteria:</b> EUT parameters will operate within manufacturer specifications when subjected to a low pressure environment. Manufacturer rates EUT to 20,000 feet.													
<table border="1"><thead><tr><th>Event</th><th>Susceptibility</th></tr></thead><tbody><tr><td>1</td><td>Power Loss</td></tr><tr><td>2</td><td>Faulty and unintended operation of EUT component</td></tr><tr><td>3</td><td>Interrupted Power Requiring Recycling</td></tr><tr><td>4</td><td>Permanent Damage</td></tr><tr><td>5</td><td>Other System Degradation or Malfunctions</td></tr></tbody></table>		Event	Susceptibility	1	Power Loss	2	Faulty and unintended operation of EUT component	3	Interrupted Power Requiring Recycling	4	Permanent Damage	5	Other System Degradation or Malfunctions
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<b>Test Setup:</b> The EUT was placed inside test chamber (Tenney Engineering Model 64S altitude chamber.) and placed into operation. The toggle switch was turned on to activate LCD screen. The displayed image was monitored during the entire testing with data collected at each intermediate pressure.													
The chamber pressure was decreased from ambient barometric pressure (755 mm Hg), to 18,000-ft pressure altitude in the following increments: 2,000 ft, 4,000 ft, 6,000 ft, 8,000 ft, 10,000 ft, 12,500 ft, 15,000 ft, and 18,000 ft. Each intermediate altitude was maintained for five minutes. The pressure altitude was then raised back to ambient conditions over a 15-minute period.													
													
<b>Test Setup</b>													

## 330th Aircraft Sustainment Group



### ROUTING AND TRANSMITTAL SLIP

**Date: 2 July 2010**

TO:	Action	Initials	Date
1. Brett Mitchell	Coord		
2. Jeff Morris	Coord	<i>JM</i>	
2. Karl Biermacher	Coord	<i>KB</i>	
3. Kris Krueger	Coord	<i>KKR</i>	8/5/10
4. Wes Peavy	Coord		
5. Randy Ivey	Sign		

### REMARKS/SUMMARY

1. **SUBJECT:** Approval of Safe-to-Fly Certification for the Glidescope Ranger
2. **PURPOSE:** To provide a Safe-to-Fly Certification for the Glidescope Ranger
3. **BACKGROUND:** The Glidescope Ranger is a small, hand-held, low power laryngoscope. It provides a real time view of a patient's airway enabling fast intubations. It is specifically designed for military and emergency settings. The provided data can be found at G:\C130SPO\_Shared\_Data\Safe to Fly Certifications\Glidescope Ranger.
4. **POC:** Brett Mitchell, 330 ACSG/GFEA, 6-3738, brett.mitchell@robins.af.mil
5. **RECOMMENDATION:** Coordinate and Sign the Glidescope Ranger Safe-to-Fly Letter. Contact Brett Mitchell when signed. 6-3738

Privacy Action of 1974 - as amended may apply

This communication could contain personal information which must be protected IAW DoD 5400-11R and is for Official Use Only (FOUO).

<b>FROM:</b> (Name, org symbol)	<b>PHONE:</b>
Brett Mitchell, 330 ACSG/GFEA	6-3738