

INFORMATION PAPER

ON

VIRTUAL ELECTRONIC COMBAT TRAINING SYSTEM (VECTS)

1. Background. The VECTS carry-on electronic warfare trainer is a low-risk, cost-effective approach for satisfying EW training requirements, while laying the groundwork for a future fully integrated electronic warfare training system. VECTS will provide pre-mission threat scenario planning, in-flight threat simulations to the AN/ALR-69 radar warning receiver (RWR) and AN/AAR-47 missile warning system (MWS) and post-mission playback. All functions will be integrated onto a single portable personal computer that will be integrated to the aircraft through a simple aircraft adapter group.

2. Requirement. AMC Validated 1067-05-088. Fall 05 E/H/AMP CORT
Categorized as Mission Need.

3. Impact if not funded. Impacts crew proficiency/training of threat detection at both low and high altitudes and decreases survivability for the C-130 crews in the tactical environment. Without VECTS, crews will not have improved training on defensive systems; an issue identified as a problem for crews in Operation IRAQI FREEDOM.

4. Units Impacted.

118 AW Nashville, TN	123 AW, Louisville, KY	124 WG Boise, ID
127 WG Selfridge ANGB, MI	133 AW, Minn - St Paul, MN	166 AW Wilmington, DE
130 AW Charleston, WV	156 AW San Juan IAP, PR	182 AW Peoria, IL
136 AW Carswell JRB, TX	165 AW Savannah IAP, GA	145 AW Charlotte, NC
144 AS Kulis, AK	179 AW Mansfield, OH	152 AW Reno, NV
167 AW Martinsburg, WV	153 AW Cheyenne, WY	137 AW Oklahoma City, OK
193 AW Harrisburg, PA	189 AW Little Rock, AR	139 AW St Joseph, MO

5. Contractor. GTRI, Atlanta, GA or WRALC to determine suitable contractor

6. Cost.

Units Required	Unit Cost	Program Cost
105*	\$22K	\$2.31M

* Includes all C-130E/H units (5 per unit). Currently not compatible with C-130J