

INFORMATION PAPER

ON

C/EC-130 TACTICAL DATA LINK (TDL)

1. Background. ANG C-130 forces require the improved situational awareness (SA) capabilities a tactical data link provides during combat operations. The C-130s need to be interoperable with other assets in theater and have enhanced SA for combat execution.

2. Requirement. CAF MNS 315-92, Real Time Information in the Cockpit (RTIC). Global Information Grid CRD, JROCM 134-01, 30 Aug 01. Air Force Tactical Data Link Master Plan.

3. Impact If Not Funded. Real time information into and out of the cockpit (RTIC/RTOC) is critical to drop-zone identification and threat analysis while limiting voice emissions. Lack of RTIC through a data link creates high potential for mission failures, lost aircrew, and lost aircraft due to lack of situational awareness and airspace management in the battle area. ANG aircraft will be incompatible with the joint force packages, jeopardizing the interoperability.

4. Units Impacted.

109AW	Schenectady, NY	139AW	St Joseph APT, MO	167AW	Martinsburg APT, WV
118AW	Nashville, TN	143AW	Quonset APT, RI	179AW	Mansfield APT, OH
124WG	Boise AT, ID	145AW	Charlotte IAP, NC	182AW	Peoria APT, IL
127WG	Selfridge ANGB, MI	146AW	Channel Is AGS, CA	189AW	Little Rock AFB, AR
130AW	Charleston, WV	152AW	Reno IAP, NV	193SOW	Harrisburg IAP, PA
133AW	Minneapolis, MN	153AW	Cheyenne MAP, WY	204ALS	Hickam AFB, HI
135AG	Baltimore, MD	156AW	San Juan IAP, PR	123AW	Louisville, KY
137AW	Oklahoma City, OK	166AW	Wilmington APT, DE	165AW	Savannah, GA

5. Contractor. For JTRS Cluster 1: Boeing, St Louis, MO; Data Link Systems (DLS) (Rockwell and BAE partnership), Dan Diego, CA

6. Cost.

Units Required*	Unit Cost	Program Cost
JTRS with EPLRS and Link 16 - 8 Units	\$150,000	\$1,200,000
Integration/Testing (NRE)	\$800,000	\$800,000
		\$2,000,000

*No spares required