INFORMATION PAPER

ON

F-16 BLOCK 25/30/32 HELMET MOUNTED CUEING SYSTEM (HMCS)

1. Background. The addition of day/night helmet mounted cueing and display capability to the F-16 Block 25/30/32 significantly increases pilot situational awareness (SA), aircraft survivability, and lethality in every mission area. The Helmet Mounted Cueing System (HMCS) allows pilots to quickly build a three dimensional picture of the battle space by providing actual target, threat and friendly line-of-sight (LOS) information into the pilot's helmet visor. This reduces the "head down time" along with the necessity to fly near the target area. With the capability to cue sensors and weapons off bore-sight using the helmet LOS as the aiming reference, pilots can quickly engage targets of opportunity. This enhances time sensitive targeting capabilities, and greatly reduces the risk of fratricide or collateral damage. The Joint Helmet Mounted Cueing System has been integrated in the Block 40/50 Common Configuration Implementation Program (CCIP) F-16, F-15C, and F/A-18 aircraft. Funding is required to integrate HMCS capability into the F-16 Block 25/30/32 aircraft so it can be fielded in time for SCU-7.

2. Requirement. JHMCS-CAF 308-93 MNS, ORD CAF-USN 308-93-II-A Dec 1996

3. Impact If Not Funded. The risk of target misidentification, collateral damage and fratricide increases significantly without HMCS.

4. Units Impacted.

113WG Andrews AFB, MD
114FW Sioux Falls, SD
115FW Truax, WI
120FW Great Falls, MT
122FW Ft Wayne, IN
127WG Selfridge, MI
140WG Buckley, CO
144FW Fresno, CA
147FW Ellington, TX
148FW Duluth, MN
149FW Kelly AFB, TX
150FW Kirtland AFB, NM
158FW Burlington, VT
162FW Tucson, AZ
174FW Syracuse, NY
177FW Atlantic City, NJ
178FW Springfield, OH
181FW Terre Haute, IN
183FW Springfield, IL
187FW Dannelly Fld, AL
188FW Ft Smith, AR
192FW Richmond, VA

5. Contractors. Vision Systems International, San Jose, CA

6. Cost.

Number Units	Unit Cost	Program Cost
RDT&E (3600)		**$5,100,000**
339 (3010)	**425,000**	**144,075,000**