

INFORMATION PAPER

ON

A/OA-10 TARGETING POD and VIDEO DOWNLINK (VDL)

1. Background. The targeting pod must possess exceptional standoff capability outside of most surface-to-air threats, 3rd Generation Forward Looking Infrared (FLIR), Laser Spot Search/Track (LSS/LST), and superior capability for targeting J-Series weapons. The pod must maintain a high fully mission capable rate and support ANG two-level maintenance. Operations IRAQI FREEDOM and ENDURING FREEDOM continue to demonstrate the need for precision weapons and the ability to downlink pod images to ground forces. The Rover III ground station is capable of receiving live video from any system that is equipped with an L, C, or Ku band transmitter. VDL modified targeting pods are capable of transmitting these images through C-band. ANG A/OA-10 wings have a requirement for 39 targeting pods based on a Base Realignment And Closure (BRAC) 2005 Commission end-strength recommendation of 78 A/OA-10s. Further, 18 of the targeting pods will require the line replaceable unit VDL modification. Currently, ANG A/OA-10s are flying only with the Litening AT pod, but the Precision Engagement modification will allow the A/OA-10 to fly with either Litening AT or Sniper XR. ANG A/OA-10 units remain short 20 pods.

2. Requirements. CAF Operational Requirements Document CAF 401-91-I/II/III-D for A/OA-10 Aircraft Multi-Staged Improvement Program (MSIP). CAF 323-00-I/II/A, 5 Apr 00 (ATP ORD). CENTAF Urgent Need Request, Nov 2004.

3. Impacts If Not Funded. Aircraft capability is greatly reduced and puts pilots at increased risk during combat operations. Without a targeting pod the A-10 aircraft cannot fulfill Combatant Commander's need for precision tasking and VDL.

4. Units Impacted.

103 FW Bradley, CT	104 FW Barnes, MA	110 FW Battle Creek, MI
111 FW Willow Grove, PA	124 WG Boise, ID	175 WG Baltimore, MD
188 FW Ft Smith, AR		

5. Contractor. Northrop Grumman Rolling Meadows IL, Lockheed Martin Orlando FL

6. Cost.

Units Required	Unit Cost	Program Cost
20 Targeting Pods	\$1.40M	\$28.00M
18 VDL mod	\$100K	\$1.80M
Total Cost	-	\$29.80M

INFORMATION PAPER

ON

ADVANCED TARGETING PODS (ATP) FOR ANG F-16s

1. Background. Procurement of targeting pods (TGP) has been a top-priority for the ANG over the past years. In order to achieve the required 2:1 aircraft to TGP ratio and requisite spares, the ANG requires 193 pods. A total of 120 Northrop Grumman LITENING AT and 27 Lockheed Martin Sniper XR have been funded between FY98 and FY05. In 2000, the ANG joined efforts with the USAF to procure ATPs and was promised at least 70 pods for its participation in the program. The New York ANG received the first installment of 15 Sniper XR pods from the USAF in FY05. The delivery of the remaining 55 Sniper XRs is still to be determined. ATPs feature state-of-the-art technology, allowing full weapons exploitation and comprehensive ARC participation in contingency operations. The pods possess exceptional standoff capability (outside of most surface-to-air threats), third generation Forward Looking Infrared (FLIR), Laser Spot Search/Track (LSS/LST), and superior capability to target J-Series weapons. The ANG is currently 26 ATPs short of its F-16 requirement.

2. Requirement. CAF 323-00-I/II/A, 5 Apr 00 (ATP ORD)

3. Impacts If Not Funded. The ANG will be unable to fulfill its AEF tasking.

4. Units Impacted.

113 WG Andrews AFB, MD	144 FW Fresno, CA	177 FW Atlantic City, NJ
114 FW Sioux Falls, SD	147 FW Ellington, TX	178 FW Springfield, OH
115 FW Truax, WI	148 FW Duluth, MN	180 FW Toledo, OH
120 FW Great Falls, MT	149 FW Kelly AFB, TX	181 FW Terre Haute, IN
122 FW Ft Wayne, IN	150 FW Kirtland AFB, NM	183 FW Springfield, IL
127 WG Selfridge, MI	158 FW Burlington, VT	187 FW Dannelly Fld, AL
132 FW Des Moines, IA	162 FW Tucson, AZ	188 FW Ft Smith, AR
138 FW Tulsa, OK	169 FW McEntire, SC	192 FW Richmond, VA
140 WG Buckley, CO	174 FW Syracuse, NY	

5. Contractors. Northrop Grumman, Lockheed Martin

6. Cost.

Units Required	Unit Cost	Program Cost
26 *	\$1.40M	\$36.40M

* An additional 20 pod requirement is stated in the A-10 section

INFORMATION PAPER

ON

TARGETING POD VIDEO DOWNLINK (VDL) FOR ANG F-16s

1. Background. In 2004, the Air Force Chief of Staff (CSAF) started the Integrated Air to Ground Initiative (IAGI) to bring greater combat capability to Battlefield Airmen. Two critical pieces of IAGI are advanced targeting pods with video downlinks and the new Rover III laptop and radio system. The Air Force plans to deploy over 550 Rover III systems to its Tactical Control Parties (TACP) and Joint Terminal Attack Controllers (JTAC) within the next few years. The Rover III is capable of receiving live video from any system that is equipped with an L, C, or Ku band transmitter. During Joint Expeditionary Force Exercise (JEFX) 2004, the LITENING AT targeting pod demonstrated the ability to send live video to ground forces equipped with Rover III, and to the combined air operations center. By Nov '04, CENTAF was requesting VDL equipped advanced targeting pods for any units deploying to their area of responsibility. Northrop Grumman started production of a C-band VDL-equipped LITENING AT pod in May '05, and Lockheed Martin will have a C-band-equipped Sniper XR pod in production no later than Dec '06. The ANG has 24 LITENING AT VDL kits and C-band transmitters on contract that will deliver by Mar '06. Funding is required to complete the upgrade to our remaining LITENING AT and Sniper XR targeting pods.

2. Requirement. CENTAF Urgent Need Request, Nov '04

3. Impacts If Not Funded. The ANG will be unable to fulfill its AEF tasking.

4. Units Impacted.

113 WG Andrews AFB, MD	144 FW Fresno, CA	177 FW Atlantic City, NJ
114 FW Sioux Falls, SD	147 FW Ellington, TX	178 FW Springfield, OH
115 FW Truax, WI	148 FW Duluth, MN	180 FW Toledo, OH
120 FW Great Falls, MT	149 FW Kelly AFB, TX	181 FW Terre Haute, IN
122 FW Ft Wayne, IN	150 FW Kirtland AFB, NM	183 FW Springfield, IL
127 WG Selfridge, MI	158 FW Burlington, VT	187 FW Dannelly Fld, AL
132 FW Des Moines, IA	162 FW Tucson, AZ	188 FW Ft Smith, AR
138 FW Tulsa, OK	169 FW McEntire, SC	192 FW Richmond, VA
140 WG Buckley, CO	174 FW Syracuse, NY	

5. Contractors. Northrop Grumman, Lockheed Martin

6. Cost.

Units Required	Unit Cost	Program Cost
84	\$100K	\$8.40M