DEPARTMENT OF THE AIR FORCE
OKLAHOMA CITY AIR LOGISTICS COMPLEX (AFMC)
TINKER AIR FORCE BASE, OKLAHOMA

18 June 2026

MEMORANDUM FOR RECORD

SUBJECT: Item Description

1. The 76th CMXG is requesting utilization of funds for the purchase of three (3) Brand Name or Equal to Moog Servo Direct Valve (CFI 72049100) CFI – 773K746A.

2. The requested equipment item description / Specifications are outlined below.

a. Quantity of three (3) Brand Name or Equal to Moog Servo Direct Valve (CFI 72049100) CFI – 773K746A.

(1) Flow rate: 14-16 gpm (53-61lpm) @ 500 psi pressure drop

(2) Maximum Operating Pressure 3,000 psi (210 bar) or greater

(3) Spool Type: 4-wa, 3-Position

(4) Signal Range +/- 20 mA

(5) Value Connector 4-Pin MS style threaded connector (Mates with MS3106F14S-2S or equivalent)

(6) Seal Material FKM (Viton) compatible with petroleum-based hydraulic fluid

(7) Port Circle: .937 in

(8) Mounting pattern: Moog Standard Size 4 or ISO 4401-04-04-0-94

(9) 100% electrical step response: 4 to 17ms

(10) 2-stage flow control Mechanical Feedback (MFB) Servo Valve

(11) Safety Certification: Must be certified as intrinsically safe for use in hazardous locations (e.g., FM Approved for Class I, II, III, Division 1, Groups A, B, C, D or equivalent).