AMC/AMSC SCREENING ANALYSIS WORKSHEET

* HISTORY *

PRIORITY CATEGORY: 1

POTENTIAL REQUIREMENT IDENT. DATE: 22SEP03

SECTION A — ITEM IDENTIFICATION AND INFORMATION

1. NSN	2. NOUN	3. END ITEM	4. PCC	5. ERRC
1620010116418LE	PISTON FLOATING-SHOCK STRUT,NLG	A-10		N

6. INI	7. QTY	8. UNIT COST	9. IDENTIFYING NUMBER (PART NO.)	
21NOV03	11	$195.96	R/N: 18806-1	CAGE: 026512 REV:

10. BP/SMC/MPC/FY	11. PR YRS	12. EST ANNUAL BUY VALUE	13. PR/MIPR VALUE
/ / / 3	10	$2,155.56	$2,155.56

14. COMM OFF-THE-SHELF ITEM	15. FORM 1 TYPE ITEM	16. NUC. CERT. END ITEM	17. HARD CRIT. IND
(Y/N/U): N	(Y/N/U): N	(Y/N/U): N	(Y/N/U): N

NEXT HIGHER ASSEMBLY

18. NSN:	19. NOUN:	20. R/N:	21. CAGE:

SECTION B — SUMMARY OF SCREENING ACTION

1. STAT	2. DIV	3. CTIC	4. ACQUISITION IDENTIFYING NUMBER	5. REV	6. CQR/I&A
C	A		R/N: 18806-1 CAGE: 026512		0

7A. DESIGN DIS:	7B. SPEC CNTRL:	7C. SRC CNTRL:	7D. MIL/IND/CONTR PERF SPEC:
Y	N	N	N

8. ST/STE REQ	9. ST/STE AVAIL	10. DATA COMPLETE	11. LIMITED RIGHTS	12. AAC
(Y/N/U): N	(Y/N/U): N	(Y/N/U): Y	(Y/N/U): N	

13. AMC/AMSC	14. DCC	15. EXP DT	16. PRV AMC/S/DT	17. NBR DRWGS REVD
2C	C1	1206	00 / 0000	0

18. AMC COMPLETION DT:	19. MM RECMD AMC/AMSC:
09DEC03	2C

	IM	EQ/SP	CR TECH	CR ENGR	MM ENGR
20. DATE BEGAN	22SEP03	22SEP03	22SEP03		23SEP03
21. DATE COMPLETED	22SEP03	22SEP03	09DEC03		09DEC03
22. CODE/PHONE NR	DDZ / 77777	DZ / 77777	SDB / 62445	/	E8V / 75769
NAME	DLA IM	DLA ES	BISHOP D		SHIPLEY, M
23. ORGANIZATION	DLAIM	DLAES	LGMPM		LGHEL

SECTION C — ECONOMIC EVALUATION

EST SAVING/LOSS OVER FUTURE PROG	A. SAV FACTOR %	B. $ COST OF BREAKOUT
(ABV x A x PROG YRS) - B = $0.00	0	$0.00

SECTION D — PROCUREMENT SUPPORT REQUIRED

1. FIRST ARTICLE TEST (Y/N):	Y	2. TECHNICAL DATA PACKAGE (Y/N):	Y
3. EXPORT CONTROL (Y/N):	Y	4. PRODUCTION SAMPLE REQ (Y/N):	N
5. MLO/ARTWORK (M/S/B/N):	N	6. SAMPLE FURN (Y/N): N	7. ENGR NOTES (Y/N): Y
8. PR RETURN REASON CODE:		9. PR NUMBER:	

SECTION E — APPROVED SOURCES

DESIGN ACTIVITY INFORMATION			SUPPLIER INFORMATION		
CAGE	REFERENCE NUMBER	RNC	CAGE	CONTRACTOR'S NAME	TYPE
026512	18806-1	32	013002	GOODRICH	V
026512	18806-1	32	026512	NORTHROP GRUMMAN CORP	N
026512	18806-1	32	077751	FAIRCHILD INDUSTRIES FARMINGDALE NY	N

AMC/AMSC SCREENING ANALYSIS WORKSHEET

* HISTORY * (CONTINUING SHEET)

NSN :	1620010116418LE	AMC/AMSC :	2C	IM DATE BEGAN :	22SEP03

SECTION F SCREENING EVALUATION/REMARKS

1. JUSTIFICATION FOR SUFFIX CODE OTHER THAN G :

1. THIS ITEM IS A FLOATING PISTON WHICH IS A PART OF THE SHOCK STRUT FOR THE A-10 AIRCRAFT NOSE LANDING GEAR. 2. THIS ITEM IS A CRITICAL APPLICATION LANDING GEAR COMPONENT. THE STRUCTURAL AND FUNCTIONAL INTEGRITY OF THIS ITEM CAN BE AFFECTED BY INDIVIDUAL MANUFACTURERS PROCESSES AND TECHNIQUES. 3. TO ENSURE CONTINUED PRODUCT INTEGRITY OF THE ITEM; PROCUREMENT IS RESTRICTED TO SOURCES LISTED IN SECTION E OF THIS DOCUMENT. THESE SOURCES ARE KNOWN TO HAVE THE REQUIRED EXPERIENCE AND CAPABILITY. FAILURE OF THIS ITEM COULD RESULT IN LOSS OF AIRCRAFT AND CREW PERSONNEL.

2. ACTION TAKEN/BEING TAKEN TO IMPROVE COMPETITIVE STATUS :

4. THEREFORE, NEW SOURCES MUST BE APPROVED BY LGHEL/SYSTEM ENGINEER PRIOR TO CONTRACT AWARD.

3. REMARKS :

QUALIFICATION REQUIREMENTS ARE AVAILABLE CODE D.

SECTION G MISCELLANEOUS INFORMATION

1. PROCUREMENT HISTORY (LAST 5 BUYS) : STD PRICE $195.96

AWARD DATE	CLIN QTY	UNIT PRICE	SUPPLIERS CAGE	AMC/AMSC	AMOC	NO SOL	BIDS RCV

2. VALUE ANALYSIS DATA

ECON PROD QTY	PROJ BUY QTY	ANLYS DATE	DIR LAB HOURS	DIR MAT COSTS	IND COST & PROFIT	TARGET PRICE	SRC REV

REMARKS :

3. POTENTIAL SOURCES

DESIGN ACTIVITY INFORMATION			SUPPLIER INFORMATION		
CAGE	REFERENCE NUMBER	RNC	CAGE	CONTRACTOR'S NAME	Orig/ Eval

REV:	**ENGINEERING DATA REQUIREMENTS** *(ATTACHMENT "A")*

NOTE: MILITARY SPECIFICATIONS I/STANDARDS WILL NOT BE FURNISHED IN THE BID SET.

1. THE FOLLOWING INSTRUCTIONS ARE FURNISHED FOR THE MANUFACTURE OF

PISTON FLOATING - SHOCK STRUT NOSE LANDING GEAR

2. PART NUMBER	3. NATIONAL STOCK NUMBER
18806-1	1620-01-011-6418LE

4. THE FOLLOWING SPECIFICATIONS/STANDARDS, ETC., WILL BE USED IN LIEU OF THE DATA INDICATED. THE SUPERSEDED DATA WILL NOT BE FURNISHED UNLESS SO INDICATED.

5. OO-ALC/LGHLEN SYSTEM ENGINEERING RETAINS ALL RIGHTS TO REVIEW AND ACCEPT/REJECT MATERIAL REVIEW BOARD (MRB) DISPOSITIONS PRIOR TO SHIPMENT OF DISCREPANT ITEM. ALL DEVIATIONS, MINOR AND MAJOR, FROM THE ENGINEERING DRAWING PACKAGE SHALL BE SUBMITTED FOR MRB DISPOSITION.

6. PRIOR TO CONTRACT AWARD, THE CONTRACTOR SHALL CERTIFY TO THE GOVERNMENT IN WRITING FULL COMPLIANCE WITH MANUALS, SPECIFICATIONS, AND STANDARDS CALLED OUT AND REQUIRED FOR THE MANUFACTURE OF THIS CONTRACTED LANDING GEAR COMPONENT/ASSEMBLY. CONTRACTOR IS RESPONSIBLE TO COMPLETELY SEARCH THESE MANUALS, SPECIFICATIONS, AND STANDARDS AND FULLY UNDERSTAND THE REQUIREMENTS NECESSARY TO MANUFACTURE LANDING GEAR COMPONENTS. ANY QUESTIONS CAN BE FORWARDED TO THE OFFICE OF OO-ALC/LGHLEN.

7. IDENTIFICATION AND MARKING PER MIL-STD-130 IN LIEU OF Z-R701.

8. MATERIAL: AL, BAR, PER SAE AMS-QQ-A-225/9, 7075-T7351 IN LIEU OF QQ-A-225/9, 7075-T7351.
ALTERNATE MATERIAL: AL, BAR, PER SAE AMS-QQ-A-225/4, 2014-T6 IN LIEU OF QQ-A-225/4, 2014-T6.

9. PERFORM FLUORESCENT PENETRANT INSPECTION PER ASTM E 1417, TYPE I, METHOD B OR C, LEVEL 3 OR 4 IN LIEU OF MIL-I-6866 AND MIL-I-25135 WITH THE FOLLOWING ACCEPTANCE/REJECTION CRITERIA: NO DEFECTS ALLOWED. THE INTENT OF NO DEFECTS ALLOWED IS THAT THE INSPECTION IS CONDUCTED AT THE REQUIRED SENSITIVITY LEVEL AND THERE SHALL BE NO INDICATIONS ALLOWED. THE INSPECTOR PERFORMING THE INSPECTION SHALL BE CERTIFIED TO LEVEL II WITH THE INSPECTION PROCEDURE DEVELOPED BY A LEVEL III AS SPECIFIED IN AIA/NAS NAS-410.

10. FINISH PER THE FOLLOWING IN LIEU OF FINISH SPECIFICATION Z-R901 AND FINISH CODE DZ:

A. ANODIZE PER SAE AMS-A-8625 TYPE II CLASS 1.

PREPARED BY	SYMBOL	DATE
DENISE S. BISHOP	LGMPM	9 Dec 03

REVISION:

ENGINEERING DATA LIST

* HISTORY *

DATE :	DATA TECH :	ORGN SYMBOL :	PR NR :	APPLICATION:	PAGE
22SEP03	SDB	LGMPM		A-10	1 OF 1

CAGE:	MANUFACTURER NAME:	REFERENCE NR:	NOUN :	NSN :
26512	NORTHROP GRUMMAN CORP	18806-1	PISTON FLOATING-SHOCK STRUT,NLG	1620010116418LE

CAGE	DRAWING NUMBER	REV	NR SHEETS	NR CARDS	FURN CODE	DIST CODE	NOUN	REQUIREMENTS
98747	00-ALC/LGMPM /		0000	0000	X		ENGR DATA RQMTS (ATTACHMENT "A")	
77751	18806 /	D	0000	0000	S		PISTON FLOATING	

STANDARD ENGINEERING TEXT

ALL GOVERNMENT/MILITARY SPECIFICATIONS AND STANDARDS WILL NOT BE FURNISHED.
TO OBTAIN THESE SPECS AND STDS WRITE TO:
DODSSP
BUILDING 4/SECTION D
700 ROBINS AVE.
PHILADELPHIA PA. 19111-5098
TELEPHONE: (215) 697-2179
FAX: (215) 697-1462 TO VIEW OR ORDER: HTTP://WWW.DODSSP.DAPS.MIL

ENGINEERING DATA LIST REMARKS

FURNISHED METHOD CODE LEGEND:

C - CLASSIFIED DOCUMENT.
S - FURNISHED WITH SOLICITATION.
M - STABLE BASE DRAWING REQUIRED; FURNISHED WITH CONTRACT AWARD.
X - DATA SUPPLIED (NOT IN EDCARS).
R - FURNISHED BY PCD UPON REQUEST.
P - PARTIAL DOCUMENT FURNISHED.
V - VENDOR DRAWING; (NOT PROVIDED).
G - GOV'T DOCUMENT.
O - OTHERS, CONTRACTOR MUST ACQUIRE.
A - DATA NOT AVAILABLE.

FIRST ARTICLE REQUIREMENTS

(AFMCI 64-110, AFMCI 23-102 and FAR Part 9, Sub Part 9.3) (Additional Instructions on Page 3)

1. DATE: 20031126

2. P/R/MIPR NUMBER:

3. PART NUMBER: 18806-1

4. NSN: 1620-01-011-6418LE

5. FIRST ARTICLE QUANTITY
THE FIRST ARTICLE IS 1 UNIT(S) OF LOT/ITEM 1

AND WILL BE: ☒ PART OF PRODUCTION QUANTITY ☐ IN ADDITION TO PRODUCTION QUANTITY

6. ARTICLES
☐ WILL ☒ WILL NOT SERVE AS A MANUFACTURING STANDARD

7. LONG LEAD TIME ITEMS
☐ REQUIRED ☒ NOT REQUIRED
(See FAR 52.209-3 or -4, alternate II)

8. SPECIAL REQUIREMENT/PRODUCTION FACILITIES *(See FAR 52.209-3 or -4 Alternate I)*
☒ REQUIRED ☐ NOT REQUIRED
"The First Article offered must be manufactured at the facilities in which that item is to be produced under the contract, or if the First Article is a component not manufactured by the contractor, such component must be manufactured at the facilities in which the component is to be produced for the contract. A certification to this effect must accompany each First Article which is offered."

9. TEST/INSPECTION REQUIREMENTS

A. ☐ CONTRACTOR TESTING ☒ GOVERNMENT TESTING

Performance or other characteristics which the First Articles must meet are conformance with all drawings and applicable specifications and requirements of Block 12.

B. The detailed technical requirements for First Article approval tests are contained in the Government reserves the right to test item to any specification included in the contract.
(Cite Spec and Para number)

C. ☐ TEST PLAN REQUIRED
(1) DD Form 1423 ELIN
(2) Delivery due ____ calendar days from date of contract.
(3) Number of days for government approval/disapproval ____ days.

D. Contractor's notification to ACO and ____ *(Requesting Activity)* of test time and location due ____ days prior to start of testing.

E. ☐ TEST REPORT REQUIRED
(1) DD Form 1423 ELIN
(2) Due ____ calendar days from date of contract.
(3) Forwarded to
(4) Government written notice of approval/disapproval due ____ days after receipt of contractor's report.

F. FIRST ARTICLE DELIVERY:
(1) Due within ____ calendar days from date contract.
(2) Notify 0 calendar days prior to shipment.
(3) Delivered to government at
OO-ALC/MADLV ATTN: Non-accountable Bay Trans Officer, Bldg 849, Hill AFB UT 84056
(Set Forth Consignee and Address)
(4) Government written notice of approval/disapproval within ____ days after receipt of first article package

G. Estimated cost of government testing/Inspection evaluation.
$ ~~$2,000.00~~
$1500 cf

10. DISPOSITION OF FIRST ARTICLES

☒ Approved First Articles will be forwarded to USAF supply.

☐ ____ *(insert quantity)*. FirstArticles will be expended intesting. Residual components of disapproved FirstArticles ☐ will be returned to the contractor/ ☐ will be retained by ____ pending disposition instructions from the contractor.

☐ First Articles will be installed on aircraft/equipment to determine proper fit/function. Approved article will remain on the aircraft/equipment and will not be forwarded to USAF Supply, but will be considered part of the contract quantity.

☐ Disapproved First Articles will be returned to the contractor/ ☒ will be retained by OO-ALC/MADLV pending disposition instructions from the contractor

☐ On purchase requests designated as direct shipments the following disposition will apply. (NOTE: Always applicable on Foreign Military Sales (FMS)).
a. Approved First Articles will be returned to the contractor for shipment with production item.
b. Disposition of disapproved First Articles will remain the same as marked above.

☐ Other Disposition:

2. P/R/MIPR NUMBER	3. PART NUMBER	4. NSN
	18806-1	1620-01-011-6418LE

11. CONDITION(S) FOR WAIVER OF FIRST ARTICLE APPROVAL

a. ☒ Offerors who have previously furnished production quantities of the same or similar article to the prime contractor for delivery to the ☐ Government, ☐ DoD, ☒ Air Force.

b. ☐ Offerors currently in production of the same or similar article for a ☐ Government, ☐ DoD, ☐ Air Force contract and who have received First Article approval under the existing contract.

c. ☒ Offerors who have previously furnished production quantities of the same or similar articles to the ☐ Government, ☐ DoD, ☒ Air Force, provided articles thus furnished, have exhibited satisfactory performance in service in the opinion of the Air Force.

d. ☒ Provided not more than 36 months have elapsed since completion of the contract.

e. ☐ First Article testing will not be waived.

f. ☒ See Remarks in block 12 below.

NOTE TO BUYER: UNDER CONDITIONS A AND C ABOVE, THE COGNIZANT ENGINEERING ACTIVITY WILL DECIDE WHETHER OR NOT THE ITEM HAS EXHIBITED SATISFACTORY PERFORMANCE IN SERVICE AND PREPARE AND RETAIN SUPPORTING DOCUMENTATION TO FULLY JUSTIFY THIS DECISION. THE BUYER MUST SOLICIT DUAL PRICES *(That is, both with and without requirement for first article approval)* AND MUST FURNISH THE COGNIZANT ENGINEERING ACTIVITY WITH THE FOLLOWING INFORMATION ON THE PREVIOUSLY SUPPLIED ARTICLE:

A. PROCURING OFFICE	B. CONTRACT NUMBER	C. DATE OF CONTRACT	D. SPECIFICATION NUMBER AND REVISION

12 REMARKS

1. The contractor has never produced this item or has not produced it for an extended period of time. Therefore, in view of the critical nature of the part, a First Article is required.
2. Vendor will normally be allowed only one attempt to receive full or conditional approval. Failure to receive approval of First Article inspection shall, at the discretion of the Government, result in termination for default of the contract.
3. Materials utilized in the manufacture of "First Article" items shall be identified and certified along with a copy of material purchase requests as confirming to applicable data requirements.
4. Material processing, including finish requirements (plating, heat treatment, welding, inspecting, anodize, painting, etc...) utilized in the manufacture of "First Article" items shall be identified and certified. A copy of the purchase order certifying the process accomplished at other than contractor facility shall be included.
5. The "First Article" shall be approved provided that it passes all inspections and the contractor submits all required documentation.

13. COGNIZANT ENG ORGANIZATION RESPONSIBLE FOR CONDUCTING AND/OR APPROVING TEST *(Name, Organization, Phone)*	14. PR INITIATOR *(Name, Organization, Phone)*
Matthew Shipley, OO-ALC/LGHEL, DSN 775-6062	

SOURCE QUALIFICATION STATEMENT
(PL 98-525, Section 2319)

SECTION A. ITEM IDENTIFICATION

1. STOCK NUMBER (NSN): 1620-01-011-6418LE

2. PART NUMBER (P/N): 18806-1

3. NOUN: Piston Floating-Shock Strut NLG

4. APPLICATION: A-10

SECTION B

JUSTIFICATION FOR ESTABLISHING QUALIFICATION REQUIREMENTS AND REASON WHY QUALIFICATION REQUIREMENTS MUST BE DEMONSTRATED PRIOR TO CONTRACT AWARD

1. Characteristics associated with the manufacturing and processing of this component could result in product functional degradations. This item performs a critical function on the aircraft and special equipment is required for its manufacture and testing. Close tolerance machining is required. Special care and attention is required but not limited to surface finish, processing, and assembly of this item. This item is particularly susceptible to process induced manufacturing flaws; therefore care must be taken to insure a potential vendor's capability prior to contract award.

2. The bidder's ability to interpret Engineering drawings and specifications and the execution of the qualification requirements specified herein are necessary to verify the structural and/or functional integrity and/or fit and form of the item being procured.

3. Failure to procure this item from a fully qualified source could result in failure of the part, degradation of aircraft mission capability, or loss of aircraft and crew.

4. Completion of the specified pre-contract award qualification requirements will assure the government that the offerer is capable of producing the item in compliance with the applicable technical specification/data and within the schedule and economic constraints of our contracts. There are sufficient technical and schedule risks, which can only be minimized by a completion of the requirements prior to contract award.

SOURCE QUALIFICATION REQUIREMENTS
(PL 98-525, SECTION 2319)

STOCK NR (NSN): 1620-01-011-6418LE
NOUN: Piston Floating-Shock Strut NLG

PART NUMBER (P/N): 18806-1
AIRCRAFT: A-10

SECTION C

QUALIFICATION REQUIREMENTS THAT MUST BE SATISFIED TO BECOME A QUALIFIED SOURCE

1. Because of the need for uninterrupted item support to military aircraft systems and in keeping with the requirements of PL 98-525, the current acquisition need not and generally will not be delayed to provide an offerer an opportunity to qualify. Normal acquisition practices at OO-ALC should preclude the denial of opportunity to any interested offerer.

2. The offerer must provide a pre-contract award qualification article, which meets the requirements of the engineering drawings, material specifications, and process specifications. However, successful completion of the qualification testing does not guarantee any contract award. If the offeror is deemed qualified and awarded the contract, a post-contract award first article exhibit may be required to verify production capability.

3. The required materials will be procured from a qualified source and will meet the requirements of their respective specifications. The offerer will assure that the material supplier has accomplished this and will submit certified documentation of accomplishment of the above requirements to the purchaser along with the pre-contract award qualification article.

4. The qualification article shall demonstrate full compatibility and comparability with existing parts, and once submitted, will be subjected to such testing as deemed necessary by the government, to insure the article meets all dimensional, processing, and functional requirements. Such testing may result in the destruction of the article. Following completion of necessary testing and evaluation, the article, no matter what its condition, shall be returned to the contractor or disposed of at his discretion and direction, whether it was found acceptable or not.

5. Form verification: The Government's Quality Verification Center will verify compliance with dimensional data requirements. Material and process compliance will also be verified as required.

6. Fit/function verification: Existing components and Government test stands/fixtures will be utilized to verify physical interface and functional performance of articles.

7. Testing for material and process compliance

(a) Material analysis
(b) Heat treat
(c) Grinding
(d) Plating
(e) Finish
(f) Other

8. Remarks:

a. Organic verification capabilities exist at OO-ALC.

b. Test requirements outside organic capabilities will be contracted out to independent laboratories.

9. The estimated cost of government testing and evaluation is $2000

10. Maximum time for testing of the qualification article will not exceed 30 days from receipt at testing agency.

SOURCE QUALIFICATION REQUIREMENTS
(PL 98-525, SECTION 2319)

STOCK NR (NSN): 1620-01-011-6418LE
NOUN: Piston Floating-Shock Strut NLG

PART NUMBER (P/N): 18806-1
AIRCRAFT: A-10

SECTION D

QUALIFICATION WAIVER REQUIREMENTS.

1. An offerer who has had previous experience in the manufacture and qualification of items, which can be correlated with this product, may apply to the design control authority at OO-ALC for a waiver of the above stated qualification requirements.

a. The qualification waiver criteria utilized by the design control authority to perform a qualification analysis are available upon request. The qualification waiver criteria may be used as a guide in preparing the offerer's written input to the design control authority.

b. The burden of proof for written inputs is on the offerer. The design control authority will not pursue authenticity verification of claims made by the offerer of product manufacturing experience with other Government or non-Government agencies. Unsubstantiated claims will not be considered in the waiver analysis process.

c. This waiver will be granted if and only if the design control authority (LGHEL) can establish the qualifications of the offerer through the evaluation of written inputs from the offerer or from previous knowledge of the offerer's capabilities or from previous experience with the offerer on similar item acquisitions. If there is any doubt about the offerer's capability, the offerer will be required to submit a pre-qualification article. There is no guarantee of qualification by similarity. LGHEL reserves the right to require a pre-qualification article of all offerers.

2. The current acquisition need not and will not be delayed in order to provide an offerer with an opportunity to meet the requirements for qualification waiver.

3. Maximum time for approval of qualification by similarity will not exceed 15 days.

SOURCE QUALIFICATION REQUIREMENTS
(PL98-525, SECTION 2319)

STOCK NR (NSN): 1620-01-011-6418LE
NOUN Piston Floating-Shock Strut NLG

PART NUMBER (P/N): 18806-1
APPLICATION: A-10

SECTION E

MASTER SIGNATURE BLOCK:

OO-ALC/LGHEL Engineer

26/Mar/03
Date

OO-ALC/LGHEL Lead Engineer

Date

The Master SQS has been coordinated by CR, BC, and SBA and approved by LGJA on 4 April 01. The Master SQS coordination copies are kept on file in LGHEL (Reference: SP 01-105)