

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE OF PAGES
				J	1 4
2. AMENDMENT/MODIFICATION NO. 01	3. EFFECTIVE DATE 15-Apr-2011	4. REQUISITION/PURCHASE REQ. NO. W9123120118003GK		5. PROJECT NO. (If applicable)	
6. ISSUED BY ACC - APG - W91CRB 4118 SUSQUEHANNA AVENUE ABERDEEN PROVING GROUND MD 21005-3013	CODE W91CRB	7. ADMINISTERED BY (If other than item 6) DCMA PHOENIX - S0302A 40 NORTH CENTRAL AVE SUITE 400 TWO RENAISSANCE SQUARE PHOENIX AZ 85004-4400		CODE	S0302A
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) 1 3 COMMUNICATIONS CORPORATION 3414 HERRMANN DR GARLAND TX 75041-6134				9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
				X 10A. MOD. OF CONTRACT/ORDER NO. W91CRB-11-D-0083-0001	
				X 10B. DATED (SEE ITEM 13) 31-Mar-2011	
CODE 2777	FACILITY CODE				
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.					
<p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6) a.) The purpose of this modification is to correct the delivery date under Subclins 0004AA; 0004AB; 0004AC and 0004AD. Section G is changed to correct the Government Furnished Property Section. b.) The contracting point of contact for this action is (b) (6)					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
			TYRONE M. KNIGHT / CONTRACTING OFFICER TEL: 410-278-2465 EMAIL: tyronemknight@us.army.mil		
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
(Signature of person authorized to sign)			BY <i>Tyrone M Knight</i>		15-Apr-2011
			(Signature of Contracting Officer)		

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION F - DELIVERIES OR PERFORMANCE

The following Delivery Schedule item for SUBCLIN 0004AA has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
29-JUN-2011	12	DEFENSE DIST DEPOT WARNER ROBINS SW3119 (b) (6) 455 BYRON STREET BLDG 376 ROBINS AFB GA 31098-1887 (b) (6) FOB: Destination	

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
31-OCT-2011	12	DEFENSE DIST DEPOT WARNER ROBINS SW3119 (b) (6) 455 BYRON STREET BLDG 376 ROBINS AFB GA 31098-1887 (b) (6) FOB: Destination	

The following Delivery Schedule item for SUBCLIN 0004AB has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
29-JUN-2011	588	DEFENSE DIST DEPOT WARNER ROBINS SW3119 (b) (6) 455 BYRON STREET BLDG 376 ROBINS AFB GA 31098-1887 (b) (6) FOB: Destination	

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
31-OCT-2011	588	DEFENSE DIST DEPOT WARNER ROBINS SW3119 (b) (6) 455 BYRON STREET BLDG 376 ROBINS AFB GA 31098-1887 (b) (6) FOB: Destination	

The following Delivery Schedule item for SUBCLIN 0004AC has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
29-JUN-2011	150	MARINE CORPS LOGISTICS BASE (b) (6) 814 RADFORD BLVD ST 20326, BLDG 1340 DR 9 ALBANY GA 31704-0326 (b) (6) FOB: Destination	M98875

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
31-OCT-2011	150	MARINE CORPS LOGISTICS BASE (b) (6) 814 RADFORD BLVD ST 20326, BLDG 1340 DR 9 ALBANY GA 31704-0326 (b) (6) FOB: Destination	M98875

The following Delivery Schedule item for SUBCLIN 0004AD has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
29-JUN-2011	1,838	MARINE CORPS LOGISTICS BASE (b) (6) 814 RADFORD BLVD ST 20326, BLDG 1340 DR 9 ALBANY GA 31704-0326 (b) (6) FOB: Destination	M98875

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
31-OCT-2011	1,838	MARINE CORPS LOGISTICS BASE (b) (6) 814 RADFORD BLVD ST 20326, BLDG 1340 DR 9 ALBANY GA 31704-0326 (b) (6) FOB: Destination	M98875

SECTION G - CONTRACT ADMINISTRATION DATA

The following have been modified:

GOVERNMENT FURNISHED PROPERTY

Instructions for SUBCLIN 0004AA and 0004AB, the Air Force is NOT to receive helmet assemble with these CLIN's.

Instruction for SUBCLINs 0004AC and 0004AD (GFP FOR THE MARINE COPR), The Government shall furnish GFP PASGT Helmet Mount.

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. 02		3. EFFECTIVE DATE 09-May-2011	4. REQUISITION/PURCHASE REQ. NO. W9123120118003GK	J	1 2
6. ISSUED BY ACC - APG - W91CRB 4118 SUSQUEHANNA AVENUE ABERDEEN PROVING GROUND MD 21005-3013	CODE W91CRB	7. ADMINISTERED BY (If other than item 6) DCMA DALLAS - S4402A 600 NORTH PEARL STREET SUITE 1630 DALLAS TX 75201-2843		CODE	S4402A
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) 1 3 COMMUNICATIONS CORPORATION 3414 HERRMANN DR GARLAND TX 75041-6134			9A. AMENDMENT OF SOLICITATION NO.		
			9B. DATED (SEE ITEM 11)		
			X 10A. MOD. OF CONTRACT/ORDER NO. W91CRB-11-D-0083-0001		
CODE 27777			X 10B. DATED (SEE ITEM 13) 31-Mar-2011		
FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.					
<p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
X D. OTHER (Specify type of modification and authority) Changes Clause					
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6) A. The purpose of this modification is to correct the administration office. B. The point of contact for this action is (b) (6)					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) TYRONE M. KNIGHT / CONTRACTING OFFICER TEL: 410 278 2465 EMAIL: tyronemknight@us.army.mil		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Tyrone M Knight</i> (Signature of Contracting Officer)		16C. DATE SIGNED 09-May-2011

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The 'administered by' organization has changed from

DCMA PHOENIX - S0302A
40 NORTH CENTRAL AVE SUITE 400
TWO RENAISSANCE SQUARE
PHOENIX AZ 85004-4400

to

DCMA DALLAS - S4402A
600 NORTH PEARL STREET
SUITE 1630
DALLAS TX 75201-2843

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. 03		3. EFFECTIVE DATE 12-Jul-2011	4. REQUISITION/PURCHASE REQ. NO. W9123120118003GK	J	1 3
6. ISSUED BY ACC - APG - W91CRB 4118 SUSQUEHANNA AVENUE ABERDEEN PROVING GROUND MD 21005-3013		CODE W91CRB	7. ADMINISTERED BY (If other than item 6) DCMA PHOENIX - S0302A 40 NORTH CENTRAL AVE SUITE 400 TWO RENAISSANCE SQUARE PHOENIX AZ 85004-4400		5. PROJECT NO. (If applicable) S0302A
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) 1.3 COMMUNICATIONS CORPORATION 1215 S 52ND ST TEMPE AZ 85281-6987			9A. AMENDMENT OF SOLICITATION NO.		
			9B. DATED (SEE ITEM 11)		
			X 10A. MOD. OF CONTRACT/ORDER NO. W91CRB-11-D-0083-0001		
CODE 55311			X 10B. DATED (SEE ITEM 13) 31-Mar-2011		
FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.					
<p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6) a.) The purpose of this modification is to correct the Delivery Schedule and reflect changes made to the "administered by" organization, the "payment will be made by" office and the "issued by" organization, per contract modification P00003. b.) The contracting point of contact for this action is (b) (6)					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) VICKY WATKINS / CONTRACTING OFFICER TELE: 410-278-1239 EMAIL: vicky.watkins@us.army.mil		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Victoria Watkins</i> (Signature of Contracting Officer)		16C. DATE SIGNED 14-Jul-2011

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The 'issued by' organization has changed from
 US ARMY RDECOM CONTR CTR - W91CRB
 4118 SUSQUEHANNA AVENUE
 ABERDEEN PROVING GROUND MD 21005-3013
 to
 ACC - APG - W91CRB
 4118 SUSQUEHANNA AVENUE
 ABERDEEN PROVING GROUND MD 21005-3013

The 'administered by' organization has changed from
 DCMA DALLAS - S4402A
 600 NORTH PEARL STREET
 SUITE 1630
 DALLAS TX 75201-2843
 to
 DCMA PHOENIX - S0302A
 40 NORTH CENTRAL AVE SUITE 400
 TWO RENAISSANCE SQUARE
 PHOENIX AZ 85004-4400

The 'Payment will be made by' organization has changed from
 DFAS COLUMBUS - HQ0303
 DFAS-ROCK ISLAND/JAIQBAC
 ATTN: ROCK ISLAND
 PO BOX 182316
 COLUMBUS OH 43218-2316
 to
 DFAS - COLUMBUS CENTER WEST - HQ0339
 WEST ENTITLEMENT OPERATIONS
 PO BOX 182381
 COLUMBUS OH 43218-2381

SECTION B - SUPPLIES OR SERVICES AND PRICES

The following have been modified:

DELIVERY SCHEDULE

	<i>CLIN 0004AA</i>	<i>CLIN 0004AB</i>	<i>CLIN 0004AC</i>	<i>CLIN 0004AD</i>			
<i>Date Shipped</i>	<i>RAFB</i>	<i>RAFB</i>	<i>USMC</i>	<i>USMC</i>	<i>Quantity Shipped</i>	<i>U/I</i>	<i>Cumulative Total</i>
<i>31-Oct-11</i>	12	88	150	150	400	ea	400

<i>30 Nov-11</i>		100		300	400	ea	400
<i>30-Dec-11</i>		100		300	400	ea	400
<i>31-Jan-12</i>		100		300	400	ea	400
<i>29-Feb-12</i>		100		300	400	ea	400
<i>30-Mar-12</i>		100		488	588	ea	588
	12	588	150	1838	See Cumulative Total		2588

(End of Summary of Changes)

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. W91CRB-11-D-0083		2. DELIVERY ORDER/ CALL NO. 0002		3. DATE OF ORDER/CALL (YYYYMMDD) 2011 May 25		4. REQ / PURCH REQUEST NO. See Schedule		5. PRIORITY				
6. ISSUED BY ACC - APG - W91CRB 4118 SUSQUEHANNA AVENUE ABERDEEN PROVING GROUND MD 21005-3013			CODE W91CRB		7. ADMINISTERED BY (if other than 6) DCMA DALLAS - S4402A 600 NORTH PEARL STREET SUITE 1630 DALLAS TX 75201-2843			CODE S4402A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)		
9. CONTRACTOR L-3 COMMUNICATIONS CORPORATION 3414 HERRMANN DR GARLAND TX 75041-6134			NAME AND ADDRESS		CODE 27777		FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED	
									12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15	
14. SHIP TO XJ TRANSPORTATION OFFICER - W25G1U DDSP NEW CUMBERLAND FACILITY 2001 NORMANDY DRIVE DOOR 113 134 NEW CUMBERLAND PA 17070-5001			CODE W25G1U		15. PAYMENT WILL BE MADE BY DFAS - COLUMBUS CENTER WEST - HQ0339 WEST ENTITLEMENT OPERATIONS PO BOX 182381 COLUMBUS OH 43218-2381			CODE HQ0339		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.		
16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.									
	PURCHASE	<input type="checkbox"/>	Reference your quote dated Furnish the following on terms specified herein. REF:									
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.												
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:												
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE See Schedule												
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT	22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE										
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.		24. UNITED STATES OF AMERICA TEL: 410-278-2465 EMAIL: tyrone.m.knight@us.army.mil BY: TYRONE M. KNIGHT				<i>Tyrone M Knight</i> CONTRACTING / ORDERING OFFICER		25. TOTAL		26. DIFFERENCES		\$4,078,461.36
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED												
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE				
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS		
f. TELEPHONE NUMBER			g. E-MAIL ADDRESS			<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR		
36. I certify this account is correct and proper for payment.						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER		
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER								35. BILL OF LADING NO.		
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.		

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0013AB	Purge Device FFP FOB: Destination NSN: 5855-01-246-6815 MFR PART NR: 5007665 PURCHASE REQUEST NUMBER: W9123120118018	223	Each	\$650.00	\$144,950.00

NET AMT \$144,950.00

ACRN AB \$144,950.00
CIN: 00000000000000000000000000000000

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0013AC	Objective Lens FFP FOB: Destination NSN: 6650-01-444-1212 MFR PART NR: A3256342 PURCHASE REQUEST NUMBER: W9123120118022	9,670	Each	\$105.70	\$1,022,119.00

NET AMT \$1,022,119.00

ACRN AC \$1,022,119.00
CIN: 00000000000000000000000000000000

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0013AD	Cover, Battery Retainer FFP FOB: Destination NSN: 6160-01-444-1208 MFR PART NR: A3256344 PURCHASE REQUEST NUMBER: W9123120118021	63,000	Each	\$6.39	\$402,570.00

NET AMT \$402,570.00

ACRN AC \$402,570.00
CIN: 00000000000000000000000000000000

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0013	Origin	Government	Origin	Government
0013AA	Origin	Government	Origin	Government
0013AB	Origin	Government	Origin	Government
0013AC	Origin	Government	Origin	Government
0013AD	Origin	Government	Origin	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0013	N/A	N/A	N/A	N/A
0013AA	18-MAR-2012	27,882	XU TRANSPORTATION OFFICER - W25G1U DDSP NEW CUMBERLAND FACILITY 2001 NORMANDY DRIVE DOOR 113 134 NEW CUMBERLAND PA 17070-5001 FOB: Destination	W25G1U
0013AB	19-NOV-2011	223	(SAME AS PREVIOUS LOCATION) FOB: Destination	W25G1U
0013AC	17-FEB-2012	9,670	(SAME AS PREVIOUS LOCATION) FOB: Destination	W25G1U
0013AD	17-APR-2012	63,000	(SAME AS PREVIOUS LOCATION) FOB: Destination	W25G1U

DELIVERY SCHEDULE

<i>Item</i>	30	45	60	90	120	150	180	210	240	270	300	330	<i>Total</i>
SLIN 0013AA		1,500		2,500	3,000	3,000	3,000	3,700	3,700	3,700	3,782		27,882
SLIN 0013AB							223						223
SLIN 0013AC							3,000	3,000	3,000	670			9,670
SLIN 0013A D				8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	7,000	63,000

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 970X0X4930AC6E620000SM2B110000036F5S28043W15GK8
AMOUNT: \$2,508,822.36
CIN 00000000000000000000000000000000: \$2,508,822.36

AB: 970X0X4930AC9E620000SM2B110000026K5S28043W15GK8
AMOUNT: \$144,950.00
CIN 00000000000000000000000000000000: \$144,950.00

AC: 97X49305CBX0012630S33189
AMOUNT: \$1,424,689.00
CIN 00000000000000000000000000000000: \$1,424,689.00

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. 01		3. EFFECTIVE DATE 07-Jul-2011	4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE	J	1 3
6. ISSUED BY ACC - APG - W91CRB 4118 SUSQUEHANNA AVENUE ABERDEEN PROVING GROUND MD 21005-3013	CODE W91CRB	7. ADMINISTERED BY (If other than item 6) DCMA PHOENIX - S0302A 40 NORTH CENTRAL AVE SUITE 400 TWO RENAISSANCE SQUARE PHOENIX AZ 85004-4400		CODE	S0302A
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) L-3 COMMUNICATIONS CORPORATION 1215 S 52ND ST TEMPE AZ 85281-6987			9A. AMENDMENT OF SOLICITATION NO.		
			9B. DATED (SEE ITEM 11)		
			X 10A. MOD. OF CONTRACT/ORDER NO. W91CRB-11-D-0083-0002		
			X 10B. DATED (SEE ITEM 13) 25-May-2011		
CODE 55311	FACILITY CODE				
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.					
<p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
X D. OTHER (Specify type of modification and authority) Mutual Agreement of Both Parties					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: vw atkins112719 MOD OBLIGATE AMOUNT: \$0.00					
1. The purpose of this modification is to: a. Change the Cage code to 55311 b. Change the DCMA office to DCMA Phoenix - S0302A c. Change the DFAS office to DFAS - Columbus Center West - HQ0339 d. Add Place of Performance. e. L-3 email dated July 6, 2011 is hereby incorporated by reference. f. POC for this action is (b) (6)					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) VICKY WATKINS / CONTRACTING OFFICER TEL: 410-278-1239 EMAIL: vicky.watkins@us.army.mil		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <u>Victoria Watkins</u> (Signature of Contracting Officer)		16C. DATE SIGNED 08-Jul-2011	
(Signature of person authorized to sign)					

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION F - DELIVERIES OR PERFORMANCE

The following have been added by full text:

PLACE OF PERFORMANCE

PLACE OF PERFORMANCE

1.) The work called for under contract W91CRB-11-D-0083 will be performed by the contractor at the following location(s):

Location(s) of Final Manufacture:

(1) L-3 Communications Corporation
Warrior Systems Division
9 Akira Way

Londonderry, NH 03053

(2) L-3 Communications Corporation
Warrior Systems Division
1215 South 52nd Street
Tempe, AZ 85281

Packaging and Packing:

(1) L-3 Communications Corporation
Warrior Systems Division
9 Akira Way
Londonderry, NH 03053

(2) L-3 Communications Corporation
Warrior Systems Division
1215 South 52nd Street
Tempe, AZ 85281

Shipping Point (at or near)

(1) L-3 Communications Corporation
Warrior Systems Division
9 Akira Way
Londonderry, NH 03053

(2) L-3 Communications Corporation
Warrior Systems Division
1215 South 52nd Street
Tempe, AZ 85281

Producing Facilities:

(1) L-3 Communications Corporation
Warrior Systems Division
9 Akira Way
Londonderry, NH 03053

(2) L-3 Communications Corporation
Warrior Systems Division
1215 South 52nd Street
Tempe, AZ 85281

Operator: No Address

CAGE Code: L-3 Communications Corporation, Warrior Systems Division.: 0B107
55311

business location for any of the above elements. Any element above that does not contain a complete address shall be identified as the "Contractor Address".

(End of Summary of Changes)

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. W91CRB-11-D-0083		2. DELIVERY ORDER/ CALL NO. 0003		3. DATE OF ORDER/CALL (YYYYMMDD) 2011 Aug 24		4. REQ / PURCH REQUEST NO. W9123120118027		5. PRIORITY				
6. ISSUED BY ACC - APG - W91CRB 4118 SUSQUEHANNA AVENUE ABERDEEN PROVING GROUND MD 21005-3013			CODE W91CRB		7. ADMINISTERED BY (if other than 6) DCMA PHOENIX - S0302A 40 NORTH CENTRAL AVE SUITE 400 TWO RENAISSANCE SQUARE PHOENIX AZ 85004-4400			CODE S0302A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)		
9. CONTRACTOR L-3 COMMUNICATIONS CORPORATION 1215 S 52ND ST TEMPE AZ 85281-6987			NAME AND ADDRESS		CODE 55311		FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED	
									12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15	
14. SHIP TO MARINE CORPS LOGISTICS BASE GENE PENDER 814 RADFORD BLVD ST 20326, BLDG 1340 DR 9 ALBANY GA 31704-0326			CODE M98875		15. PAYMENT WILL BE MADE BY DFAS - COLUMBUS CENTER WEST - HQ0339 WEST ENTITLEMENT OPERATIONS PO BOX 182381 COLUMBUS OH 43218-2381			CODE HQ0339		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.		
16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.									
	PURCHASE	<input type="checkbox"/>	Reference your quote dated Furnish the following on terms specified herein. REF:									
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.												
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:												
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE See Schedule												
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT	22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE										
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.		24. UNITED STATES OF AMERICA TEL: 410-278-1239 EMAIL: vicky.watkins@us.army.mil BY: VICKY WATKINS				<i>Victoria Watkins</i> CONTRACTING / ORDERING OFFICER		25. TOTAL		\$802,204.25		26. DIFFERENCES
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED												
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE				
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS		
f. TELEPHONE NUMBER			g. E-MAIL ADDRESS			<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR		
36. I certify this account is correct and proper for payment.						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER		
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER								35. BILL OF LADING NO.		
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.		

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004		263	Each	\$2,289.75	\$602,204.25
	PY1 - OMNIBUS VIII SYSTEMS - AN/PVS-14 FFP The contractor shall provide Enhanced 3rd Generation Ground Night Vision Imaging systems in accordance with SOW entitled, "Statement of Work For Omnibus VIII, Enhanced Third Generation Image Intensification, Ground Night Vision Imaging Systems". Reference your proposal dated 9 August 2011. To be shipped with GFE (PASGT HMAs (NSN 5855-01-457-2953) FOB: Destination NSN: 5855-01-432-0524 MFR PART NR: 245500-903 PURCHASE REQUEST NUMBER: W9123120118027				
				NET AMT	\$602,204.25
	ACRN AA				\$602,204.25
	CIN: W91231201180270001				

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0004	Origin	Government	Origin	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0004	24-APR-2012	263	MARINE CORPS LOGISTICS BASE (b) (6) 814 RADFORD BLVD ST 20326, BLDG 1340 DR 9 ALBANY GA 31704-0326 (b) (6) FOB: Destination	M98875

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 17911094930310678540674432D4930S90MP94E38137P067443

AMOUNT: \$602,204.25

CIN W91231201180270001: \$602,204.25

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. W91CRB-11-D-0083		2. DELIVERY ORDER/ CALL NO. 0004		3. DATE OF ORDER/CALL (YYYYMMDD) 2011 Aug 30		4. REQ / PURCH REQUEST NO. W9123120118026		5. PRIORITY			
6. ISSUED BY ACC - APG - W91CRB 4118 SUSQUEHANNA AVENUE ABERDEEN PROVING GROUND MD 21005-3013			CODE W91CRB		7. ADMINISTERED BY (if other than 6) DCMA PHOENIX - S0302A 40 NORTH CENTRAL AVE SUITE 400 TWO RENAISSANCE SQUARE PHOENIX AZ 85004-4400			CODE S0302A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)	
9. CONTRACTOR L-3 COMMUNICATIONS CORPORATION 1215 S 52ND ST TEMPE AZ 85281-6987			NAME AND ADDRESS		CODE 55311		FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED
							12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15		
14. SHIP TO PM SENSORS AND LASERS STAGING FACILITY JAMES STRINGFELLOW 15395 JOHN MARSHALL HIGHWAY HAY MARKET VA 20169-5000			CODE W912H7		15. PAYMENT WILL BE MADE BY DFAS - COLUMBUS CENTER WEST - HQ0339 WEST ENTITLEMENT OPERATIONS PO BOX 182381 COLUMBUS OH 43218-2381			CODE HQ0339		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.	
16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.								
	PURCHASE	<input type="checkbox"/>	Reference your quote dated _____ Furnish the following on terms specified herein. REF: _____								
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.											
NAME OF CONTRACTOR			SIGNATURE			TYPED NAME AND TITLE			DATE SIGNED (YYYYMMDD)		
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: _____											
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE See Schedule											
18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE		23. AMOUNT		
	SEE SCHEDULE										
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.			24. UNITED STATES OF AMERICA TEL: 410-278-1239 EMAIL: vicky.watkins@us.army.mil BY: VICKY WATKINS			<i>Victoria Watkins</i> CONTRACTING / ORDERING OFFICER		25. TOTAL	\$70,982.25		
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED											
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE				
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE					28. SHIP NO.	29. DO VOUCHER NO.	30. INITIALS				
f. TELEPHONE NUMBER		g. E-MAIL ADDRESS			<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR			
36. I certify this account is correct and proper for payment.					31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL			34. CHECK NUMBER			
a. DATE (YYYYMMDD)	b. SIGNATURE AND TITLE OF CERTIFYING OFFICER								35. BILL OF LADING NO.		
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.				

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004	PY1 - OMNIBUS VIII SYSTEMS - AN/PVS-14 FFP The contractor shall provide Enhanced 3rd Generation Ground Night Vision Imaging systems in accordance with the SOW entitled, "Statement of Work For Omnibus VIII, Enhanced Third Generation Image Intensification, Ground Night Vision Imaging Systems". These systems are to be shipped with (GFE) ACH HMAs (NSN 5855-01-551-4225). FOB: Destination NSN: 5585-01-432-0524 MFR PART NR: 245500-903 PURCHASE REQUEST NUMBER: W9123120118026	31	Each	\$2,289.75	\$70,982.25
				NET AMT	\$70,982.25
	ACRN AA CIN: W91231201180260001				\$70,982.25

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0004	Origin	Government	Origin	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0004	30-APR-2012	31	PM SENSORS AND LASERS STAGING FACILITY [REDACTED] (b) (6) 15395 JOHN MARSHALL HIGHWAY HAYMARKET VA 20169-5000 [REDACTED] (b) (6) FOB: Destination	W912H7

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 2112040000016N6227090000025FB1JFWCRMIPR1KSOL2823AS28043

AMOUNT: \$70,982.25

CIN W91231201180260001: \$70,982.25

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. W91CRB-11-D-0083		2. DELIVERY ORDER/ CALL NO. 0005		3. DATE OF ORDER/CALL (YYYYMMDD) 2011 Aug 30		4. REQ / PURCH REQUEST NO. W9123120118029		5. PRIORITY				
6. ISSUED BY ACC - APG - W91CRB 4118 SUSQUEHANNA AVENUE ABERDEEN PROVING GROUND MD 21005-3013			CODE W91CRB		7. ADMINISTERED BY (if other than 6) DCMA PHOENIX - S0302A 40 NORTH CENTRAL AVE SUITE 400 TWO RENAISSANCE SQUARE PHOENIX AZ 85004-4400			CODE S0302A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)		
9. CONTRACTOR L-3 COMMUNICATIONS CORPORATION 1215 S 52ND ST TEMPE AZ 85281-6987			NAME AND ADDRESS		CODE 55311		FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED	
									12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15	
14. SHIP TO USAF MEDICAL 601 DAVY CROCKETT ROAD; BLDG 1534 SAN ANTONIO TX 78226-1885			CODE FM9133		15. PAYMENT WILL BE MADE BY DFAS - COLUMBUS CENTER WEST - HQ0339 WEST ENTITLEMENT OPERATIONS PO BOX 182381 COLUMBUS OH 43218-2381			CODE HQ0339		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.		
16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.									
	PURCHASE	<input type="checkbox"/>	Reference your quote dated Furnish the following on terms specified herein. REF:									
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.												
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:												
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE See Schedule												
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT	22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE										
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.		24. UNITED STATES OF AMERICA TEL: 410-278-1239 EMAIL: vicky.watkins@us.army.mil BY: VICKY WATKINS				<i>Victoria Watkins</i> CONTRACTING / ORDERING OFFICER		25. TOTAL		26. DIFFERENCES		\$89,300.25
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED												
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE				
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS		
f. TELEPHONE NUMBER			g. E-MAIL ADDRESS			<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR		
36. I certify this account is correct and proper for payment.						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER		
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER								35. BILL OF LADING NO.		
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.		

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004		39	Each	\$2,289.75	\$89,300.25
	PY1 - OMNIBUS VIII SYSTEMS - AN/PVS-14 FFP The contractor shall provide Enhanced 3rd Generation Ground Night Vision Imaging systems in accordance with the SOW entitled, "Statement of Work For Omnibus VIII, Enhanced Third Generation Image Intensification, Ground Night Vision Imaging Systems". Systems under this CLIN are to be shipped without GFE HMAs. FOB: Destination NSN: 5585-01-432-0524 MFR PART NR: 245500-903 PURCHASE REQUEST NUMBER: W9123120118029				
				NET AMT	\$89,300.25
	ACRN AA				\$89,300.25
	CIN: W91231201180290001				

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0004	Origin	Government	Origin	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0004	30-APR-2012	39	USAF MEDICAL 601 DAVY CROCKETT ROAD; BLDG 1534 SAN ANTONIO TX 78226-1885 FOB: Destination	FM9133

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930FCOB6B15FM9I33667100667100

AMOUNT: \$89,300.25

CIN W91231201180290001: \$89,300.25

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. W91CRB-11-D-0083		2. DELIVERY ORDER/ CALL NO. 0006		3. DATE OF ORDER/CALL (YYYYMMDD) 2011 Aug 30		4. REQ / PURCH REQUEST NO. W9123120118028		5. PRIORITY				
6. ISSUED BY ACC - APG - W91CRB 4118 SUSQUEHANNA AVENUE ABERDEEN PROVING GROUND MD 21005-3013			CODE W91CRB		7. ADMINISTERED BY (if other than 6) DCMA PHOENIX - S0302A 40 NORTH CENTRAL AVE SUITE 400 TWO RENAISSANCE SQUARE PHOENIX AZ 85004-4400			CODE S0302A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)		
9. CONTRACTOR L-3 COMMUNICATIONS CORPORATION 1215 S 52ND ST TEMPE AZ 85281-6987			NAME AND ADDRESS		CODE 55311		FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED	
									12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15	
14. SHIP TO MARINE CORPS LOGISTICS BASE GENE PENDER 814 RADFORD BLVD ST 20326, BLDG 1340 DR 9 ALBANY GA 31704-0326			CODE M98875		15. PAYMENT WILL BE MADE BY DFAS - COLUMBUS CENTER WEST - HQ0339 WEST ENTITLEMENT OPERATIONS PO BOX 182381 COLUMBUS OH 43218-2381			CODE HQ0339		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.		
16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.									
	PURCHASE	<input type="checkbox"/>	Reference your quote dated Furnish the following on terms specified herein. REF:									
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.												
NAME OF CONTRACTOR			SIGNATURE			TYPED NAME AND TITLE			DATE SIGNED (YYYYMMDD)			
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:												
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE See Schedule												
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT	22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE										
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.		24. UNITED STATES OF AMERICA TEL: 410-278-1239 EMAIL: vicky.watkins@us.army.mil BY: VICKY WATKINS					<i>Victoria Watkins</i> CONTRACTING / ORDERING OFFICER		25. TOTAL	26. DIFFERENCES		\$879,264.00
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED												
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE				
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS		
f. TELEPHONE NUMBER			g. E-MAIL ADDRESS			<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR		
36. I certify this account is correct and proper for payment.						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER		
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER								35. BILL OF LADING NO.		
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.		

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004		384	Each	\$2,289.75	\$879,264.00
	PY1 - OMNIBUS VIII SYSTEMS - AN/PVS-14 FFP The contractor shall provide Enhanced 3rd Generation Ground Night Vision Imaging systems in accordance with the SOW entitled, "Statement of Work For Omnibus VIII, Enhanced Third Generation Image Intensification, Ground Night Vision Imaging Systems". The systems under this CLIN are to be shipped with (GFE) PASGT HMAs (NSN 5855-01-457-2953). FOB: Destination NSN: 5855-01-432-0524 MFR PART NR: 245500-903 PURCHASE REQUEST NUMBER: W9123120118028				
				NET AMT	\$879,264.00
	ACRN AA				\$879,264.00
	CIN: W91231201180280001				

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0004	Origin	Government	Origin	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0004	30-MAY-2012	384	MARINE CORPS LOGISTICS BASE (b) (6) 814 RADFORD BLVD ST 20326, BLDG 1340 DR 9 ALBANY GA 31704-0326 (b) (6) FOB: Destination	M98875

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 17911094930250678540674432D4930350MP94E3913M8067443

AMOUNT: \$879,264.00

CIN W91231201180280001: \$879,264.00

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. W91CRB-11-D-0083		2. DELIVERY ORDER/ CALL NO. 0008		3. DATE OF ORDER/CALL (YYYYMMDD) 2011 Aug 30		4. REQ / PURCH REQUEST NO. W9123120118032		5. PRIORITY				
6. ISSUED BY ACC - APG - W91CRB 4118 SUSQUEHANNA AVENUE ABERDEEN PROVING GROUND MD 21005-3013			CODE W91CRB		7. ADMINISTERED BY (if other than 6) DCMA PHOENIX - S0302A 40 NORTH CENTRAL AVE SUITE 400 TWO RENAISSANCE SQUARE PHOENIX AZ 85004-4400			CODE S0302A		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)		
9. CONTRACTOR L-3 COMMUNICATIONS CORPORATION 1215 S 52ND ST TEMPE AZ 85281-6987			NAME AND ADDRESS		CODE 55311		FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED	
									12. DISCOUNT TERMS		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15	
14. SHIP TO DEFENSE DIST DEPOT WARNER ROBINS MARY SMITH 455 BYRON STREET BLDG 376 ROBINS AFB GA 31098-1887			CODE SW3119		15. PAYMENT WILL BE MADE BY DFAS - COLUMBUS CENTER WEST - HQ0339 WEST ENTITLEMENT OPERATIONS PO BOX 182381 COLUMBUS OH 43218-2381			CODE HQ0339		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.		
16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.									
	PURCHASE	<input type="checkbox"/>	Reference your quote dated Furnish the following on terms specified herein. REF:									
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.												
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:												
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE See Schedule												
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT	22. UNIT PRICE		23. AMOUNT	
		SEE SCHEDULE										
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.		24. UNITED STATES OF AMERICA TEL: 410-278-1239 EMAIL: vicky.watkins@us.army.mil BY: VICKY WATKINS				<i>Victoria Watkins</i> CONTRACTING / ORDERING OFFICER		25. TOTAL		\$604,494.00		26. DIFFERENCES
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED												
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE				
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS		
f. TELEPHONE NUMBER			g. E-MAIL ADDRESS			<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR		
36. I certify this account is correct and proper for payment.						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER		
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER								35. BILL OF LADING NO.		
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.		

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004		264	Each	\$2,289.75	\$604,494.00
	PY1 - OMNIBUS VIII SYSTEMS - AN/PVS-14 FFP The contractor shall provide Enhanced 3rd Generation Ground Night Vision Imaging systems in accordance with the attached SOW entitled, "Statement of Work For Omnibus VIII, Enhanced Third Generation Image Intensification, Ground Night Vision Imaging Systems". The systems under this CLIN are to be shipped without (GFE) HMA's FOB: Destination PURCHASE REQUEST NUMBER: W9123120118032				
				NET AMT	\$604,494.00
	ACRN AA				\$604,494.00
	CIN: W91231201180320001				

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0004	Origin	Government	Origin	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0004	30-JUL-2012	264	DEFENSE DIST DEPOT WARNER ROBINS SW3119 (b) (6) 455 BYRON STREET BLDG 376 ROBINS AFB GA 31098-1887 (b) (6) FOB: Destination	

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 579308017947E884214301010000000000000503000EA037319057859249926

AMOUNT: \$604,494.00

CIN W91231201180320001: \$604,494.00

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE OF PAGES	
				J	1	2
2. AMENDMENT/MODIFICATION NO. P00001		3. EFFECTIVE DATE 26-Apr-2011	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY ACC - APG - W91CRB 4118 SUSQUEHANNA AVENUE ABERDEEN PROVING GROUND MD 21005-3013		CODE W91CRB	7. ADMINISTERED BY (If other than item 6) DCMA DALLAS - S4402A 600 NORTH PEARL STREET SUITE 1630 DALLAS TX 75201-2843		CODE S4402A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) 13 COMMUNICATIONS CORPORATION 3414 HERRMANN DR GARLAND TX 75041-6134				9A. AMENDMENT OF SOLICITATION NO.		
				9B. DATED (SEE ITEM 11)		
				X 10A. MOD. OF CONTRACT/ORDER NO. W91CRB-11-D-0083		
				X 10B. DATED (SEE ITEM 13) 23-Mar-2011		
CODE 2777		FACILITY CODE				
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS						
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.						
12. ACCOUNTING AND APPROPRIATION DATA (If required)						
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.						
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).						
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
X D. OTHER (Specify type of modification and authority) Mutual Agreement Between Parties						
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.						
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6) A. The purpose of this modification is to correct the administration office. B. The point of contact for this action is (b) (6)						
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.						
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) VICKY WATKINS / CONTRACTING OFFICER TELE: 410-278-1239 EMAIL: vickywatkins@us.army.mil		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Victoria Watkins</i> (Signature of Contracting Officer)		16C. DATE SIGNED 26-Apr-2011	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The 'administered by' organization has changed from

DCMA PHOENIX - S0302A
40 NORTH CENTRAL AVE SUITE 400
TWO RENAISSANCE SQUARE
PHOENIX AZ 85004-4400

to

DCMA DALLAS - S4402A
600 NORTH PEARL STREET
SUITE 1630
DALLAS TX 75201-2843

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
			J	1	3
2. AMENDMENT/MODIFICATION NO. P00002	3. EFFECTIVE DATE 19-Apr-2011	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO.(If applicable)	
6. ISSUED BY ACC - APG - W91CRB 4118 SUSQUEHANNA AVENUE ABERDEEN PROVING GROUND MD 21005-3013	CODE W91CRB	7. ADMINISTERED BY (If other than item 6) DCMA PHOENIX - S0302A 40 NORTH CENTRAL AVE SUITE 400 TWO RENAISSANCE SQUARE PHOENIX AZ 85004-4400		CODE	S0302A
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) L-3 COMMUNICATIONS CORPORATION 3414 HERRMANN DR GARLAND TX 75041-6134			9A. AMENDMENT OF SOLICITATION NO.		
			9B. DATED (SEE ITEM 11)		
			X	10A. MOD. OF CONTRACT/ORDER NO. W91CRB-11-D-0083	
			X	10B. DATED (SEE ITEM 13) 23-Mar-2011	
CODE 27777	FACILITY CODE				
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
X D. OTHER (Specify type of modification and authority) Bilateral Modification					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: tknight111993 The purpose of this modification is to list the Spares by National Stock Number (NSN).					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
			TYRONE M. KNIGHT / CONTRACTING OFFICER TEL: 410-278-2465 EMAIL: tyone.m.knight@us.army.mil		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
_____ (Signature of person authorized to sign)		BY <u>Tyrone M Knight</u> (Signature of Contracting Officer)		10-May-2011	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

CLIN 0013

The CLIN extended description has changed

FROM: The contractor shall provide Enhanced 3rd Generation Ground Night Vision Imaging system spares in accordance with the attached SOW entitled, "Statement of Work For Omnibus VIII, Enhanced Third Generation Image Intensification, Ground Night Vision Imaging Systems". This CLIN will be priced with each order and in accordance with FAR Part 16 and DFARS 217.75.

TO: The contractor shall provide Enhanced 3rd Generation Ground Night Vision Imaging system spares listed in attachment 5 in accordance with the SOW entitled, "Statement of Work For Omnibus VIII, Enhanced Third Generation Image Intensification, Ground Night Vision Imaging Systems". This CLIN will be priced with each order and in accordance with FAR Part 16 and DFARS 217.75..

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

The Table of Contents has changed from:

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	DD 2579 Small Business Coord. Ltr.		24-JUN-2010

to:

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	DD 2579 Small Business Coord. Ltr.		24-JUN-2010
Attachment 5	Spares Lisiting		

The following have been added by full text:

J.5 SPARES LISTING

ITEM		
SPARES PARTS	Individual delivery orders will state the exact spares being purchased and their respective quantity and price.	
	NSN	
Filter, Light Interference, 5009737	5855-01-379-1410	
Collimator, Infrared A3172531	5855-01-246-6808	
Mount Assembly, Objective A3144305	5855-01-246-6807	
Wired Housing Assembly_A3207330	5855-01-381-6048	
Headset Assembly, A3144268	5855-01-246-8266	
Bracket Lever, ACH FB, A3297307	5340-01-509-1467	
LIF (AN/PVS-7A) A3140763	6650-01-321-2905	
Eyepiece Assembly, 5009545	5855-01-380-5102	
Lens, Optical (Objective) A3256342	6650-01-444-1212	
Cover, Battery Retainer	6160-01-444-1208	
Monocular Housing, A3256341	5855-01-444-1232	
Battery Compartment, Single, A3297313	5855-01-523-4058	
Bracket, Mounting, A3256348	5340-01-444-8588	
Purge Device, 5007665	5855-01-246-6815	
Rear Cover Assembly, A3144310	5855-01-246-6810	
Battery Retainer, A3256344	5855-01-523-4058	

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
			J	1	4
2. AMENDMENT/MODIFICATION NO. P00003	3. EFFECTIVE DATE 06-Jul-2011	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY ACC - APG - W91CRB 4118 SUSQUEHANNA AVENUE ABERDEEN PROVING GROUND MD 21005-3013	CODE W91CRB	7. ADMINISTERED BY (If other than item 6) DCMA PHOENIX - S0302A 40 NORTH CENTRAL AVE SUITE 400 TWO RENAISSANCE SQUARE PHOENIX AZ 85004-4400		CODE	S0302A
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) 1. 3 COMMUNICATIONS CORPORATION 1215 S 52ND ST TEMPE, AZ 85281-6987			9A. AMENDMENT OF SOLICITATION NO.		
			9B. DATED (SEE ITEM 11)		
			X 10A. MOD. OF CONTRACT/ORDER NO. W91CRB-11-D-0083		
			X 10B. DATED (SEE ITEM 13) 23-Mar-2011		
CODE 55311	FACILITY CODE				
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.					
<p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
X D. OTHER (Specify type of modification and authority) Mutual Agreement of Parties FAR 43.103 (a)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6) The purpose of this modification is to: A. Change CAGE Code to 55311. B. Change DCMA to Phoenix C. Change DFAS to HQ0339 D. Section F: Place of Performance E. L-3 email dated July 6, 2011 is hereby incorporated by reference. F. POC for this action is (b) (6)					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) VICKY WATKINS / CONTRACTING OFFICER TEL: 410-278-1239 EMAIL: vicky.watkins@us.army.mil		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Victoria Watkins</i> (Signature of Contracting Officer)		16C. DATE SIGNED 08-Jul-2011

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The 'administered by' organization has changed from

DCMA DALLAS - S4402A
600 NORTH PEARL STREET
SUITE 1630
DALLAS TX 75201-2843

to

DCMA PHOENIX - S0302A
40 NORTH CENTRAL AVE SUITE 400
TWO RENAISSANCE SQUARE
PHOENIX AZ 85004-4400

The 'Payment will be made by' organization has changed from

DFAS COLUMBUS - HQ0303
DFAS-ROCK ISLAND/JAIQBAC
ATTN: ROCK ISLAND
PO BOX 182316
COLUMBUS OH 43218-2316

to

DFAS - COLUMBUS CENTER WEST - HQ0339
WEST ENTITLEMENT OPERATIONS
PO BOX 182381
COLUMBUS OH 43218-2381

The contractor organization has changed from

L-3 COMMUNICATIONS CORPORATION
3414 HERRMANN DR
GARLAND TX 75041-6134

to

L-3 COMMUNICATIONS CORPORATION
1215 S 52ND ST
TEMPE AZ 85281-6987

SECTION F - DELIVERIES OR PERFORMANCE

The following have been added by full text:

PLACE OF PERFORMANCE

The work called for under contract W91CRB-11-D-0083 will be performed by the contractor at the following location(s):

Location(s) of Final Manufacture:

- (1) L-3 Communications Corporation
Warrior Systems Division
9 Akira Way

Londonderry, NH 03053

(2) L-3 Communications Corporation
Warrior Systems Division
1215 South 52nd Street
Tempe, AZ 85281

Packaging and Packing:

(1) L-3 Communications Corporation
Warrior Systems Division
9 Akira Way
Londonderry, NH 03053

(2) L-3 Communications Corporation
Warrior Systems Division
1215 South 52nd Street
Tempe, AZ 85281

Shipping Point (at or near)

(1) L-3 Communications Corporation
Warrior Systems Division
9 Akira Way
Londonderry, NH 03053

(2) L-3 Communications Corporation
Warrior Systems Division
1215 South 52nd Street
Tempe, AZ 85281

Producing Facilities:

(1) L-3 Communications Corporation
Warrior Systems Division
9 Akira Way
Londonderry, NH 03053

(2) L-3 Communications Corporation
Warrior Systems Division
1215 South 52nd Street
Tempe, AZ 85281

Operator: No Address

CAGE Code: L-3 Communications Corporation, Warrior Systems Division.: 0B107

55311

business location for any of the above elements. Any element above that does not contain a complete address shall be identified as the "Contractor Address".

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. P00004		3. EFFECTIVE DATE 11-Aug-2011	4. REQUISITION/PURCHASE REQ. NO.		J 1 51
6. ISSUED BY ACC - APG - W91CRB 4118 SUSQUEHANNA AVENUE ABERDEEN PROVING GROUND MD 21005-3013		CODE W91CRB	7. ADMINISTERED BY (If other than item 6) DCMA PHOENIX - S0302A 40 NORTH CENTRAL AVE SUITE 400 TWO RENAISSANCE SQUARE PHOENIX AZ 85004-4400		5. PROJECT NO. (If applicable) S0302A
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) 1. 3 COMMUNICATIONS CORPORATION 1215 S 52ND ST TEMPE, AZ 85281-6987			9A. AMENDMENT OF SOLICITATION NO.		
			9B. DATED (SEE ITEM 11)		
			X 10A. MOD. OF CONTRACT/ORDER NO. W91CRB-11-D-0083		
CODE 55311			X 10B. DATED (SEE ITEM 13) 23-Mar-2011		
FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.					
<p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
X D. OTHER (Specify type of modification and authority) Mutual Agreement of the Parties					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6) a.) Reference attached changes under the contract. b.) The contracting point of contact for this action is (b) (6)					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) VICKY WATKINS / CONTRACTING OFFICER TEL: 410-278-1239 EMAIL: vicky.watkins@us.army.mil		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY <i>Victoria Watkins</i> (Signature of Contracting Officer)		16C. DATE SIGNED 22-Aug-2011

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was decreased by \$32,260,375.00 from \$515,590,000.00 to \$483,329,625.00.

The 'issued by' organization has changed from
US ARMY RDECOM CONTR CTR - W91CRB
4118 SUSQUEHANNA AVENUE
ABERDEEN PROVING GROUND MD 21005-3013
to
ACC - APG - W91CRB
4118 SUSQUEHANNA AVENUE
ABERDEEN PROVING GROUND MD 21005-3013

SECTION B - SUPPLIES OR SERVICES AND PRICES

CLIN 0003

The pricing detail quantity has decreased by 980.00 from 6,000.00 to 5,020.00.
The total cost of this line item has decreased by \$2,611,700.00 from \$15,990,000.00 to \$13,378,300.00.

CLIN 0004

The pricing detail quantity has decreased by 3,000.00 from 45,000.00 to 42,000.00.
The total cost of this line item has decreased by \$7,485,000.00 from \$112,275,000.00 to \$104,790,000.00.

CLIN 0005

The pricing detail quantity has decreased by 3,000.00 from 45,000.00 to 42,000.00.
The total cost of this line item has decreased by \$7,485,000.00 from \$112,275,000.00 to \$104,790,000.00.

CLIN 0006

The pricing detail quantity has decreased by 2,980.00 from 45,000.00 to 42,020.00.
The total cost of this line item has decreased by \$7,435,100.00 from \$112,275,000.00 to \$104,839,900.00.

CLIN 0007

The pricing detail quantity has decreased by 1,176.00 from 30,000.00 to 28,824.00.
The total cost of this line item has decreased by \$2,169,720.00 from \$55,350,000.00 to \$53,180,280.00.

CLIN 0009

The pricing detail quantity has decreased by 2,484.00 from 25,000.00 to 22,516.00.

The total cost of this line item has decreased by \$4,582,980.00 from \$46,125,000.00 to \$41,542,020.00.

CLIN 0012

The pricing detail quantity has decreased by 255.00 from 15,000.00 to 14,745.00.

The total cost of this line item has decreased by \$490,875.00 from \$28,875,000.00 to \$28,384,125.00.

SECTION C - DESCRIPTIONS AND SPECIFICATIONS

The following have been added by full text:

QUALITY VALIDATION PLAN

The contractor's Quality Validation Plan submission entitled, " **OMNIBUS VIII PROPOSAL FACTOR I TECHNICAL**) with ATTACHMENTS A, B, C, and D, which was submitted as (TECHDOC.pdf), dated 20 September 2010 is hereby incorporated by reference.

REVISED STATEMENT OF WORK

**REVISED Statement of Work
July 13, 2011
For OMNIBUS VIII
Enhanced Third Generation Image Intensification
Ground Night Vision Devices**

1.0 Scope. This statement of work (SOW) specifies the tasks and efforts the contractor shall perform during this production contract for enhanced third generation image intensifier night vision devices. The intent of this contract is to acquire the following Omnibus VIII systems/devices and components:

AN/PVS-14, Monocular Night Vision Device (MNVD);

AN/PVS-7D, Night Vision Goggles;

MX-11769/UV Image Intensifier Assembly;

MX-10130D/UV Image Intensifier Assembly, Purge Device and

All associated system spare parts for both new and fielded AN/PVS-7 and AN/PVS-14 systems.

This SOW provides the technical, program management, configuration management, quality assurance, integrated logistics support (ILS), technical manual, provisioning, safety, and interchangeability requirements for the items being sought under this procurement. The contractor shall ensure that the delivered Omnibus VIII systems/devices and components comply with the requirements listed under paragraph 3. The contractor is encouraged to use commercial/industrial processes and practices that will reduce design, production, and operational support costs while meeting the requirements of this contract.

2.0 Applicable Documents. The following documents form a part of this SOW to the extent specified herein.

2.1 Government documents.

DOD 5220.22-M National Industrial Security Program Operating Manual
(<http://www.dtic.mil/whs/directives/corres/html/522022.htm>)

AR 25-1 Army Knowledge Management and Information Technology
(http://www.army.mil/usapa/epubs/pdf/r25_1.pdf)

AR 25-2 Information Assurance
(http://www.apd.army.mil/pdffiles/r25_2.pdf)

AR 380-10 Foreign Disclosure and Contacts with Foreign Representatives
(http://www.army.mil/usapa/epubs/pdf/r380_13.pdf)

AR 380-49 Industrial Security Program
(http://www.army.mil/usapa/epubs/pdf/r380_49.pdf)

AR 380-67 Personnel Security Program
(http://www.army.mil/usapa/epubs/pdf/r380_67.pdf)

MIL-STD-1916 DoD Test Method Standard, DoD Preferred Methods for Acceptance of Product

Performance Specifications

MIL-PRF-A3256342(CR) Lens Assembly, Objective for Monocular Night Vision Device, AN/PVS-14

MIL-PRF-A3256363(CR) Image Intensifier Assembly, 18MM, Microchannel Wafer MX-11769/UV

MIL-PRF-49184(CR) Lens Group, Eyepiece for Night Vision Goggle, AN/PVS-7()

MIL-PRF-49190(CR) Lens Assembly, Objective for Night Vision Goggle, AN/PVS-7()

MIL-PRF-49257 Coated Optical Components (COC)

MIL-PRF-49313(CR) Night Vision Goggle, AN/PVS-7D

MIL-PRF-49324(CR) Monocular Night Vision Device, AN/PVS-14

MIL-PRF-49427(CR) Lens Assembly, Eyepiece for Aviator's Night Vision Imaging System, AN/AVS-6(V)()and Monocular Night Vision Device, AN/PVS-14

MIL-PRF-49453(CR) Image Intensifier Assembly, 18MM, Microchannel Wafer MX-10130D/UV

Drawings

A3144261 Goggle Assembly
A3144268 Headset Assembly
A3144305 Objective Lens
A3144310 Rear Cover Assy
A3172531 Collimator, AN/PVS-7B
A3207330 Wired Housing Assembly
A3256337 AN/PVS-14 MNVD
A3256340 Monocular Assembly
A3256341 Monocular Housing
A3256342 Lens, Optical (Eyepiece)
A3256344 Cover, Battery Retainer
A3256348 Bracket, Mounting
A3297310 Image Intensifier Assembly, MX-11769/UV
A3297309 Battery Compartment - Single
A3297320 Image Intensifier Assembly, MX-11769/UV
A3256340 Monocular Assembly
A3256342 Objective Lens Assembly
A3256352 Eyepiece Lens Assembly
A3256368 Helmet Mount Assembly
A3256387 Night Vision Goggle Set, AN/PVS-7D
A3297290 Image Intensifier Assembly, MX-10130D/UV
A3297300 Image Intensifier Assembly, MX-10130D/UV
A3297307 Bracket Lever, ACH Front Bracket
5009545 Eyepiece Assembly
5009737 Light Interference Filter (LIF) Assembly MX-11617/UV
5007665 Purge Device

Note: All military and government specifications and standards cited on the drawings are for reference only and do not form a part of the requirement thereon.

Technical Manuals

TM-11-5855-262-10-2 Operator's Manual, Night Vision Goggles, AN/PVS-7B and AN/PVS-7D

TM 11-5855-262-23&P-2 Unit and Direct Support Maintenance Manual Including Repair Parts and Special Tools List, Night Vision Goggles AN/PVS-7B and AN/PVS-7D

TM 11-5855-306-10 Operator's Manual, Monocular Night Vision Device (MNVD), AN/PVS-14

TM 11-5855-306-23&P Unit and Direct Support Maintenance Manual Including Repair Parts and Special Tools List, Monocular Night Vision Device (MNVD), AN/PVS-14

2.2 Non-Government Documents.

ANSI/ASQC Q9001:2008 Quality Management Systems - Requirements

ANSI/ASQ Z1.4-2008 Sampling Procedures and Tables for Inspection by Attributes

ANSI/NCSL Z540.3-2006 Requirements for the Calibration of Measuring and Test Equipment

AMSE Y14.5M-2009 Dimensioning and Tolerancing

ANSI/ASQ Q10012-2003 Measurement Management Systems - Requirements for Measurement Processes and Measuring Equipment

ASTM D 3951 Standard Practice for Commercial Packaging

2.3 Order of Precedence, Issue of Specifications (Statement of Work).

2.3.1 The documents listed in this Section 2.1 (Performance Specifications, Drawings, and Technical Manuals) are furnished at Section J. The equipment on contract will be produced in accordance with these documents.

2.3.2 The issue(s) (i.e., number, revision, title and issuance date) of the documents cited at Section J govern over any other issue of the same document(s) cited elsewhere within this contract. When necessary, copies of cancelled or superseded specifications and/or standards applicable to this contract are furnished in Section J.

2.3.3 Contract Data Requirements Lists (CDRLs), DD Form 1423s, that apply to this contract will be included in Section J. The contractor shall prepare and Deliver the data and information in accordance with the requirements, quantities and schedules set forth by these CDRLs.

2.3.4 The contractor shall review the entire contract to identify all directly cited and subsequent referenced documents. Unless stated explicitly elsewhere in this contract, the issue of these documents appear in the ASSIST database at <http://assist.daps.dla.mil> and the ASSIST Update (a bi-monthly summary of changes to the ASSIST document database) may be viewed or downloaded at <http://dodssp.daps.dla.mil>. ASSIST is the official source for all Defense Standardization Program documents and contains the most current information. Upon completion of this review, the contractor shall notify the Procuring Contracting Officer (PCO) of any conflicts or misunderstandings between this provision and other contractual requirements.

2.3.5 All directly cited or referenced documents not furnished with this solicitation may be obtained as follows:

a. Specifications and Standards can be downloaded at <http://assist.daps.dla.mil/online/start/>, <http://dodssp.daps.dla.mil> or:

Building 4/Section D
700 Robbins Avenue
Philadelphia, PA 19111-5094
FAX: (215) 697-1462

Free registration for a UserID and password are required prior to using ASSIST-Online. In most cases, you should be able to download cases from your standard browser. The ASSIST-Online Website is located at:
<http://assist.daps.dla.mil/online/start/>.

b. Commercial Specifications, Standards, and Standards and Descriptions. When applicable, obtain these documents directly from the publisher.

c. Standard Practice for Commercial Packaging (ASTM D 3951). When applicable, obtain these documents from:

American Society for Testing Materials
1916 Race Street
Philadelphia, PA 19103

2.3.6 Notes for Government-Furnished Drawings. The drawings specified in this contract depict the physical and functional requirements for the complete item and parts thereof. They do not contain complete details of all intervening processes, from raw material to finished products, which are necessary to fabricate, control, test, adjust, assemble and inspect the equipment on order. Disposition of drawings and specifications shall be as follows:

(1) Nonclassified drawings and specifications furnished with this contract are not to be returned to the Government. They may be retained by the offeror for future reference or disposed of in any manner at the discretion of the contractor.

(2) Disposition of classified documents furnished with this contract shall be in accordance with DoD 5220.22-M.

2.3.7 Discrepancies in Section B Item Descriptions. The contractor is responsible for notifying the PCO immediately in the event that:

a. A line item in this solicitation does not identify the correct part number, drawing number, or specification, or

b. The identification of such parts is inconsistent, or

c. The line item refers to an obsolete part/model or a part/model which is no longer the latest baseline configuration for that item.

In such situations, the bidder/offeror will submit correcting information to the PCO for evaluation.

2.3.8 Definition of Days After Receipt (DAR). The abbreviation 'DAR' for Days After Receipt as used in the Contract Data Requirements List, DD Form 1423, attached to this solicitation or contract, means calendar days after date of receipt of an order.

2.4 Document Summary List (DSL) - Issue of Specifications, Standards and Related Documents.

2.4.1 The contractor shall review the entire contract to identify all applicable documents. Immediately upon completion of this review, the contractor shall notify the Procuring Contracting Officer (PCO) of any conflicts or misunderstandings between the DSL and other contractual requirements.

a. All non-cited documents that are referenced or incorporated by the documents cited on the DSL shall be contractually binding in accordance with the Document Category of the cited document (paragraph 2.4.2 below). Unless stated explicitly elsewhere in this contract, the issue of such non-cited document(s) is that which appears in the ASSIST and ASSIST Update or Acquisition Management Systems.

b. Should the DSL fail to identify a first tier document with its revision level, date and/or approved changes, the issue of document(s) shown at the ASSIST website and in ASSIST Update applies. Unless otherwise specified in this contract, such documents shall be considered as Category 2 (paragraph 2.4.2 below).

2.4.2 The following document categories apply:

a. Category 1. The requirements contained in the directly cited document are contractually applicable to the extent specified. Unless otherwise specified in the contract, all requirements contained in referenced and subsequently referenced documents are contractually applicable for guidance and information only.

b. Category 2. The requirements contained in the directly cited document and reference documents identified in the directly cited document are contractually applicable to the extent specified. Unless otherwise specified in the solicitation/contract, or contract modifications, all requirements contained in subsequently referenced documents within reference documents are contractually applicable for guidance and information only.

c. Category 3. Unless otherwise specified in the solicitation, contract or contract modifications, all requirements contained in the directly cited document and all reference and subsequently referenced documents are contractually applicable to the extent specified in the higher-tiered document.

2.4.3 Tailoring. In case of conflict regarding applicable tailoring between the DSL and other requirements contained in this contract, the order of precedence is:

- (1) Product Specification;
- (2) Statement of Work;
- (3) Document Summary List

3.0 Requirements.

3.1 Interchangeability, Interface and Performance Characteristics. All systems, image intensifiers, and spare parts delivered under this contract shall be form, fit, and function interchangeable and without degradation of

performance with previously fielded systems, image intensifiers, and spare parts of the same kind down to the spare part level, as established by the current maintenance concept of the U.S. Army. The U.S. Army maintenance concepts for the AN/PVS-7 are detailed in TM 11-5855-262-10-2, TM 11-5855-262-23&P-2, and drawing A3256387 for the AN/PVS-7. The U.S. Army maintenance concepts for the AN/PVS-14 are detailed in TM 11-5855-306-10, TM 11-5855-306-23&P, and drawing A3256337 for the AN/PVS-14. All MANPRINT/man-machine interface characteristics shall be maintained as established in previously fielded systems.

3.1.1 Night Vision Devices.

3.1.1.1 Night Vision Goggle (NVG), AN/PVS-7D. The AN/PVS-7D Night Vision Goggle system shall meet the requirements of MIL-PRF-49313(CR), Night Vision Goggle, AN/PVS-7D. The AN/PVS-7D systems, image intensifiers, and component parts shall meet the form, fit, and function requirements as defined in the Government baseline technical data package drawing A3256387.

3.1.1.2 Monocular Night Vision Device (MNVD), AN/PVS-14. The AN/PVS-14 Monocular Night Vision Device (MNVD) shall meet all requirements of MIL-PRF-49324(CR), Monocular Night Vision Device, AN/PVS-14. The AN/PVS-14 systems, image intensifiers, and component parts shall meet the form, fit, and function requirements of drawing A3256337.

3.1.1.3 System Foreign Military Sales. AN/PVS-7D and AN/PVS-14 systems delivered for Foreign Military Sales (FMS) shall meet requirements as specified in paragraph 3.1.1.1 and paragraph 3.1.1.2, respectively, with the following exceptions:

- a. Systems shall have a Figure of Merit (FOM) of [1600 or 1400 or 1250] or lower where $FOM = (\text{Resolution in lp/mm}) \times (\text{Signal to Noise Ratio})$ based on measured values.
- b. Systems shall have a Halo size greater than 0.85 mm.
- c. System image intensifier tubes shall NOT have a gated power supply.
- d. Systems shall NOT have "US Government Property" or "US Property" marking.
- e. Systems shall have standard system labels or equivalent labels approved by the Government.
- f. Systems shall have a modified TM supplied by Government or approved commercial equivalent technical manual.
- g. Light Interference Filters (LIF) shall NOT be included with the systems.
- h. LIFs are Government property and shall be shipped in place until direction from the Government is provided.

Note: These requirements are subject to change based on Department of State approval conditions for each FMS case.

3.1.2 Purge Device. The Purge Device shall meet the requirements of drawing 5007665.

3.1.3 Image Intensifiers.

3.1.3.1 U.S. Government performance (not Foreign Military Sales) image intensifier tubes shall be produced on 9-port exhaust stations only.

3.1.3.2 MX-11769/UV. The MX-11769/UV Image Intensifier shall meet the requirements of MIL-PRF-A3256363(CR), and the form, fit, and function requirements of drawing A3297310 or A3297320.

3.1.3.3 MX-10130D/UV. The MX-10130D /UV Image Intensifier shall meet the requirements of MIL-PRF-49453(CR), and the form, fit, and function requirements of drawing A3297290 or A3297300.

3.1.3.4 Foreign Military Sales. MX-11769/UV and MX-10130D/UV Image intensifier tubes delivered for Foreign Military Sales (FMS) shall meet requirements as specified in paragraph 3.1.3.2 and paragraph 3.1.3.3, with the following exceptions:

- a. Image intensifier tubes shall have a Figure of Merit (FOM) of [1600 or 1400 or 1250] or lower where $FOM = (Resolution \text{ in } lp/mm) \times (Signal \text{ to } Noise \text{ Ratio})$ based on measured values.
- b. Image intensifier tubes shall have a Halo size greater than 0.85 mm.
- c. Image intensifier tubes shall NOT have a gated power supply.
- d. Image intensifier tubes shall NOT have "US Government Property" or "US Property" marking.
- e. Image intensifier tubes shall have standard system labels or equivalent labels approved by the Government.
- f. The specification requirement to measure photocathode sensitivity at a voltage no greater than 50 Vdc than that actually utilized in the given tube assembly shall not apply.

Note: These requirements are subject to change based on Department of State approval conditions for each FMS case.

3.1.4 The Government may independently verify hardware compliance to the Interface Control Drawings (ICDs) and performance specifications. The contractor shall be required to justify and/or rectify any identified discrepancies between the hardware performance/configuration and these documents when such discrepancies are identified.

3.2 Standards. A Government concurred-on calibration system with respect to radiation sources, photometric equipment, color temperature, and ancillary equipment shall be maintained to support this program. Test environments shall be maintained that provide ability to produce the environmental conditions required to verify performance of delivered product in accordance with system/component performance specifications and the approved Quality Validation Plan (QVP). **Appendix A** defines the US Government's Night Vision & Electronic Sensors Directorate (NVESD) test conditions, technical interpretations, and test methods for Photocathode Sensitivity, Equivalent Background Input (EBI), Saturation, Luminance Gain, Halo, Halo Variation, Signal-to-Noise Ratio (SNR), Center Resolution, and Modulation Transfer Function (MTF). The contractor shall have in place an equal or superior approach to that defined in Appendix A. If the contractor approach is different than as defined in Appendix A, Government approval is required for its use. The contractor shall maintain not less than three (3) each contractor-owned image tube standards of each tube assembly and module type. For these image tube standards, the contractor shall maintain measurement records for critical performance parameters including SNR, Resolution, Luminance Gain, Saturation, EBI, Halo, MTF, and Photocathode Sensitivity. These measurements shall be made and documented on at least a quarterly basis (i.e., no longer than every 90 days) and all such data shall be made

available to the Government upon request for the life of the contract. All such measurements shall be performed on actual production test and acceptance equipment. The contractor shall allow the Government to visit the contractor's production test/evaluation facilities on up to a quarterly basis, in order to ensure conformance with the above requirements. As part of this process, the contractor shall also measure during this visit up to fifteen (15) each Government-owned tube assemblies and modules of each tube type. These measurements will be used for correlation assessments against measurements made at NVESD, as well as other manufacturing facilities and DoD organizations. In the case of discrepancies between measurements made at NVESD and the contractor's facility, NVESD measurements shall take precedence, the contractor shall correct their measurement system or methodology to bring their measurements into correlation with those of NVESD, and the Government shall stop product acceptance until such time that contractor measurement system is brought into correlation with those of NVESD.

3.3 Program Management Requirements. The objective of program management is to provide both the contractor and Government with management information and tools required to effectively manage work performed under this contract, minimize system performance risk, and ensure adherence to established program schedule.

3.3.1 Integrated Product And Process Team (IPPT). The Government and contractor shall incorporate an IPPT discipline into the Omnibus VIII program. The objective of the IPPT is to implement an open shared data/information environment with results oriented objectives of on schedule delivery of specification compliant units, continuously improving the various Government/contractor processes, and reducing the system life cycle cost. The IPPT shall also complete the following additional actions throughout the life of the contract:

- a. Hold IPPT reviews
- b. Use risk management techniques to document, track, and manage program areas of risk
- c. Review/concur in program documentation
- d. Review follow-on Initial Production Tests (IPTs) with the goal of reducing repetitive testing
- e. Review/concur on all Failed Item Analysis Reports (FIARs) and ECPs/Deviations/Waivers/Trade studies

The IPT process as described in paragraph(s) is solely to facilitate communications between the Government and contractor during contract administration. Responsibility for dealing with issues raised and for meeting all contract requirements remains with the contractor. No communication made during the IPT process may be construed as a change unless specifically designated by the contracting officer.

3.3.1.1 IPPT Membership. The IPPT membership shall consist of Government and contractor personnel associated with the Omnibus VIII program and related efforts. The Army product Director for

Soldier Enhanced Vision shall co-chair the IPPT with the associated contractor counterpart. The IPPT chairpersons shall concur on all items requiring IPPT concurrence. The co-chairs shall define IPPT membership and issue escalation procedures at the post award conference.

3.3.1.2 Computerized Optimization Model Predicting/Analyzing Support/Structure (COMPASS) data. The IPPT is required to utilize the COMPASS model and output data as part of the IPPT's decision making process. The Government will supply the software, and the contractor shall provide the data inputs for the software to the IPPT, to include the cost and reliability for each system component. This tool will be used by the IPPT (Government will run model) during the life of the contract to determine the impact to the operation and support system costs of ECPs and VECs submitted during contract execution. The IPPT co-chairpersons can concur upon the use of an alternative model, if the contractor can demonstrate the alternate model provides similar results as the COMPASS model.

3.3.2 Reports, Reviews, Meetings. For each meeting, the contractor shall prepare and submit an agenda and briefing charts to the Government in accordance with CDRL A001. The contractor and Government at the end of each review/meeting shall jointly prepare action items and review/meeting minutes. The contractor shall submit the meeting minutes and action item list to the Government in accordance with CDRL A001. The contractor shall schedule, with Government concurrence, prepare for, and conduct the following reviews/meetings:

3.3.2.1 Integrated Product and Process Team (IPPT) reviews. The contractor shall participate in and support IPPT reviews at approximately 90-day intervals when required. The first IPPT review shall be conducted on or about 45 days after the post award conference. IPPT reviews may be conducted as teleconferences or video-teleconferences (VTCs) if mutually agreed upon by the IPPT chairpersons. IPPT reviews shall provide a working level forum to identify, discuss, and resolve issues that are, or could, affect the systems performance, design, production, testing, logistics support, system deliveries, life cycle cost, and program schedule. Risk mitigation documentation shall also be reviewed.

3.3.2.2 Informal Reviews. The contractor shall be available for informal reviews and Government visits in addition to the IPPT reviews.

3.3.2.3 Correspondence Transmission. The contractor shall submit, as a minimum, written program correspondence or documentation via electronic submittal. The preferred method of file submission is via e-mail. Deviations from this requirement are allowed on a case by case basis, with Government verbal concurrence (either Government IPPT chairpersons or Government contracting officer).

3.3.2.3.1 Confidential or Secret Material Documents Method of Transmission. Material will be packaged to conceal it properly, avoid suspicion as to contents, and to reach destination in satisfactory condition. NO NOTATION OR CLASSIFICATION MARKINGS TO INDICATE CLASSIFICATION SHALL APPEAR ON OUTER ENVELOP OR COVER. Documents shall be enclosed in two opaque envelopes or covers. The inner envelope or cover containing the documents being transmitted will be clearly marked on the front and back of the inner

container with the classification of the material being transmitted. The classified documents shall be protected from direct contact with the inner cover by a cover sheet or by folding inward. For SECRET documents, a receipt form identifying the addresser, addressee, and documents shall be enclosed in the inner envelope. CONFIDENTIAL documents shall be covered by a receipt only when the sender deems it necessary. The inner envelope or cover will be enclosed in an opaque outer envelope or cover. The classification markings of the inner envelope shall not be detectable. The outer envelope shall be addressed, and sealed. (Refer to Chapter 5, DoD 5220.22-M).

3.3.2.4 Data Submissions.

3.3.2.4.1 Data Requirements. The CDRLs are contained in Section J of the contract. The data items shall be submitted, to the Government via electronic media. The electronic format shall be compliant with Microsoft Office 2003 or 2007 for text documents, spreadsheets, and graphics presentations, and Microsoft Project 2000 for program schedules. Electronic technical manual (ETM) data shall be delivered in accordance with (IAW) paragraph 3.8.3 of this statement of work.

3.3.2.4.2 Contractor Integrated Technical Information Service (CITIS). It is the Government's intent to use CITIS to gain on-line access to contractor maintained data, configuration files, and information supporting the Omnibus VIII program. The type of information to be placed on CITIS shall be concurred to by the IPPT prior to its implementation. The most recent version of all data shall be made available within five working days of being updated. The CITIS shall allow the Government the capability of retrieving all current and last modified versions of documentation. If the contractor determines this to be a restrictive cost driver, they can propose any alternative data submittal process (i.e. electronic data submittals, e-mail, etc.). Classified data shall be provided on magnetic or optical media. Classified data shall be handled in accordance with DoD 5220.22-M and DD Form 254 attached to the contract. Any restrictions on the use of the electronic data shall be as prescribed in the Data Rights Clause.

3.4 Quality Assurance. The objectives of these Quality Assurance requirements are to ensure the contractor's products and processes are sufficient to enable timely and cost effective deliveries, which meet all performance requirements, and to identify any issues early which might negatively impact the timeliness or performance of the delivered product. The Government reserves the right to audit products and processes, as well as the quality management system at any stage of contract performance.

3.4.1 Quality Management System (QMS). The contractor shall establish, maintain, operate, and continually improve a QMS acceptable to the Government in accordance with ANSI/ASQC Q9001:2008 or equivalent. Any exceptions to ANSI/ASQC Q9001:2008 shall be clearly stated in the QVP. The contractor shall provide the Government an overview of their quality system plan at the PAC. Quality and reliability shall be addressed at each contractually required review, to include statistical process control (SPC) and other quality management metrics that depict the effectiveness of the QMS and the achievement of critical process control at both the contractor's and major suppliers' locations.

3.4.1.1 Calibration Process. The contractor shall maintain a calibration process in accordance with ANSI/NCSL Z540.3-2006 or ANSI/ASQ Q10012-2003 or

equivalent. The measurement and test equipment used in this acquisition to validate compliance with requirements shall be appropriately calibrated, labeled and traceable to national measurement standards. All measuring and testing equipment used on this acquisition shall be listed in the applicable test procedure as part of the Quality Validation Plan (QVP).

3.4.1.2 Responsibility For Inspection. The contractor shall be responsible for the performance of all inspection requirements specified herein. Except as otherwise specified elsewhere in the contract, the contractor may use his own or any other facilities, with IPPT concurrence, suitable for the performance of the inspection requirements specified herein. The Government reserves the right to perform, witness, or verify any of the inspections deemed necessary to assure supplies and services conform to prescribed requirements. The contractor shall be responsible for correcting any deficiencies found during Government testing in all affected contractor product.

3.4.1.3 Use of Contractor's Inspection and Test Equipment. The contractor's inspection, measuring and testing devices shall be made available when required by the Government to determine conformance with contract requirements. If requested by the Government, the contractor's personnel shall be made available to operate such devices and for verification of their accuracy and condition.

3.4.1.4 Use of Government Property/Material. The contractor's quality management system shall include procedures for the control, use, and maintenance of Government furnished material and property. The contractor shall report to the procuring activity any Government furnished property or material that is found damaged, malfunctioning, or otherwise unsuitable for use.

3.4.1.5 Supplier Management. The contractor is responsible for the work performed by his suppliers including any inspections and tests performed by the suppliers. The contractor shall describe any methods unique to this contract of supplier selection, retention, management, inspection and test validation or other supplier controls above and beyond that which is described in the contractor's generic QMS. Suppliers of key/critical components or processes controlling key/critical characteristics shall be identified including names and contact information of key supplier personnel. The Government reserves the right to review/audit any suppliers of key/critical components. No review/audit of any suppliers by the Government will relieve the contractor of his responsibility for his suppliers.

3.4.1.6 Inspection and Test Records. The contractor shall maintain complete and accurate records of all inspections and tests, and shall make those records available for review by the Government upon request.

3.4.2 Quality Validation Plan (QVP). The contractor shall prepare a Quality Validation Plan (QVP) IAW CDRL A002 in response to this SOW.

3.4.3 Failed Item Analysis Reports (FIARS). The contractor shall describe his failure reporting process. For each failure that occurs the contractor shall prepare and submit notification and a FIAR IAW CDRL A003.

3.4.4 Initial Production Test (IPT)/Conformance Inspection (CI)/Acceptance Test (AT). The contractor shall conduct IPT, CI, and AT for each image tube,

spare component, and system type, as required IAW the QVP and test procedures concurred on by the IPPT, to demonstrate conformance to all Omnibus VIII performance specifications requirements. An IPT shall only be conducted with non-qualified vendors (i.e. a suppliers who has not received a qualification letter prior to award of this contract). If an IPT is required, the lot size shall be 20 systems, image intensifiers, or spares components, as required, for each type of product requiring qualification. If an IPT is required, the IPT shall be performed to the extent necessary, as determined and agreed upon by the IPPT, to verify compliance to specification requirements for all characteristics of the product. At the conclusion of each IPT conducted, the contractor shall submit an IPT test report IAW the requirements of paragraph 3.4.5 of this statement of work. Government approval of each image tube, spare component, or system type IPT is contingent upon successfully completing IPT and meeting paragraph 3.8 (ILS & MANPRINT) sub-paragraph requirements for that tube, spare component, or system. If a significant redesign has occurred the Government may conduct an operational test (OT), to include compatibility testing, to ensure the system is operationally effective and suitable, and interoperable with other Army equipment. If an OT is required, IPT concurrence is contingent on a successful OT. Approval of each tube, spare component, or system type IPT shall constitute successful completion of the CI requirements for the first production lot for the particular tube, spare component, or system under test. Reduction or elimination of CI based on in-process inspection and control of processes is encouraged.

3.4.5 IPT/CI Test Plans/Procedures. For each image tube, spare component, and system type, the contractor shall prepare and submit to the IPPT, for concurrence, PQT and CI test plans/procedures in compliance with the quality validation plan and IAW CDRL A004.

3.4.6 IPT Test Reports. Upon completion of each IPT, the contractor shall prepare and submit an IPT test/inspection report IAW CDRL A005.

3.4.7 Reliability Reports. Upon completion of each production reliability test, the contractor shall deliver to the IPPT a report of the reliability test results IAW CDRL A005.

3.4.8 Disposition of Test Units. The contractor shall refurbish all items exposed to environmental, user testing, and/or reliability inspections as required. Subsequent to refurbishment, the items shall conform to all performance specification requirements and be deliverable under the contract.

3.4.9 Environmental Stress Screening (ESS). Each system, image intensifier assembly and associated power supply shall be subjected to an environmental stress screening (ESS) with an appropriate failure free verification period. The ESS profile shall be designed to effectively reduce/eliminate workmanship and infant mortality type defects of the system. Causes of ESS failures shall be tracked, investigated, and closed per Contractor internal procedures for the purpose of continuously improving the screen and the manufacturing processes. ESS performance data shall be made available to the Government for on-site review upon request. Modification of the ESS profile may be allowed with IPPT approval based on ESS data evaluations. The contractor shall present the ESS status (e.g., serial numbers, pass/fail, reasons for failure(s), corrective actions) at each IPPT review.

3.4.10 Warranty of Equipment. The contractor shall provide their standard industry warranty for all products delivered under this contract.

3.4.11 Government Testing. The Government may conduct additional testing to both confirm IPT results and demonstrate the system can perform in an operational environment when operated by soldiers under potential battlefield conditions. Successful completion of IPT is contingent upon successful completion of any Government testing conducted. Failures during Government testing will be addressed per paragraph 3.4.3 above. The contractor shall incorporate corrective actions for Government test failures and retest as agreed on by the IPPT.

3.5 Integrated Logistics Support (ILS) and MANPRINT.

3.5.1 ILS Requirements. The contractor shall plan, manage, and execute an ILS program that assures that all ILS documentation tracks for the AN/PVS-7D and the AN/PVS-14 and shall dovetail, merge with, and maintain integrity of existing maintenance and support systems. In the event the offeror's proposal results in a change to the system that would affect the existing technical manual (TM), technical order (TO), repair parts and special tools list (RPSTL) or provisioning system, the offeror shall identify all such changes in his proposal. Current TMs and provisioning parts lists (PPL) will be provided to the contractor as Government furnished items (GFI), which will be used as guidance for content and format.

The contractor shall submit all changes to the Government logistics baseline to include any changes that effect form, fit, and function. Any changes after initial baseline submittal shall be submitted to the Government for approval. The Government, upon receipt of notification of proposed changes, will identify through the contracting officer the required contractual documentation for delivery and acceptance.

3.5.2 Maintenance Concept. The maintenance concept for the Night Vision Goggles, AN/PVS-7D shall be IAW TM 11-5855-262-10-2 and TM 11 5855-262-23&P-2. The maintenance concept for the Monocular Night Vision Device (MNVD), AN/PVS-14 shall be IAW TM 11-5855-306-10 and TM 11-5855-306-23&P.

3.5.2.1 Special Tools, Test Measurement And Diagnostic Equipment (TMDE). No special tools or test measurement and diagnostic equipment, excluding those presently in the maintenance concept for the AN/PVS-7D and AN/PVS-14 shall be required to repair any system.

3.5.3 Electronic Technical Manuals (ETM) Change Content. The contractor shall deliver change pages for joint service (U.S. Army, U.S. Marine Corps, U. S. Navy, and U.S. Air Force) Electronic Technical Manuals (ETMs) that are IAW the approved maintenance concept. The contractor shall submit proposed manual changes IAW CDRL A010, reference 3.5.6.3.1. The Government will maintain ownership of the manuals and will be responsible for their update and distribution.

3.5.3.1 TM Verification And Validation (V&V). The contractor shall schedule and conduct TM V&V at the contractor's facilities, if necessary. Contractor personnel performing operating and maintenance procedures on the equipment

during validation shall be independent of the contractor's TM preparation activity.

The Government will perform 100 percent of the operating and maintenance procedures in each publication affected by the change pages. The contractor shall provide the following support to the verification:

Schedule sufficient time and materials (i.e. special and common tools, consumables, etc.) as needed for the Government to successfully complete its verification effort.

Record and maintain records during the verification process.

Maintain a master copy of each publication that shall be corrected during the verification process.

Assist the contracting activity, as requested, during the verification process.

Provide the contracting activity with a report of the corrective actions taken.

The contractor shall provide, as a minimum, at the verification site: ten copies of each validated TM to be verified; personnel necessary to document needed changes and resolve hardware issues; the subject equipment in each TM to be verified; and all tools, expendables, and test equipment required, according to the MAC and maintenance procedures, to perform all procedures affected by change pages in each TM.

3.5.3.2 Packing Of Operators' Technical Manuals (TMs) With Equipment. The contractor shall pack one paper copy of the Government furnished TM containing operators' instructions with each equipment package delivered under this contract.

3.5.4 Human Factors Engineering (HFE). If the contractor makes a design change to any procured system that affects the user interface or maintenance procedures, the contractor shall implement a human factors engineering program to assure that the Omnibus VIII system/device conforms to the requirements of the performance specifications. The HFE program shall focus on soldier portability, soldier/system interface, system set-up, tear-down, and maintenance operations. If implemented, the HFE program progress and current findings shall be presented at each IPPT review.

3.5.5 Provisioning Technical Documentation (PTD). If necessary, the contractor shall prepare and submit provisioning technical documentation (PTD) for incorporation into the Government database for national stock number (NSN) assignment based on the maintenance concept for each Omnibus VIII device. The contractor shall provide up to six (6) months for Government NSN assignment, which commences upon Government receipt of the proper PTD and associated drawings. The PTD, drawings, and NSN assignment are required to be completed prior to TM or TM change page verification for each Omnibus VIII device.

3.5.5.1 Provisioning Requirements.

3.5.5.1.1 Provisioning Parts Lists (PPL). The contractor shall prepare and submit an updated PPL for the Omnibus VIII systems that have changes IAW CDRL A006.

3.5.5.1.2 Engineering Data For Provisioning. The contractor shall prepare and submit engineering data for all items on the PPL which are "PA" coded and do not have national stock numbers (NSNs) IAW CDRL A007.

3.5.6 Configuration Management (CM) Requirements.

3.5.6.1 Engineering Drawings. The contractor shall prepare and submit drawings IAW CDRL A008 for any new item not controlled by a Government approved baselined technical data package.

3.5.6.2 Physical Configuration Audit (PCA). A PCA shall be required when an IPT is required, or for any new item introduced into an existing system that affects form, fit, or function. The contractor shall prepare a PCA plan in contractor format and record the results of the audit in a report IAW CDRL A009.

3.5.6.3 Engineering And Configuration Control Documentation. For all requested configuration changes, the contractor shall prepare and submit engineering change proposals (ECPs), value engineering-change proposals (VECPs), requests for deviation (RFDs) and requests for waiver (RFWs) to the IPPT for concurrence as necessary IAW with CDRL A010.

3.5.7 Safety.

3.5.7.1 Safety Assessment Report (SAR). The contractor shall prepare a SAR, if the OMNI VIII systems or image intensifier designs are determined to contain significant differences in either the principle of operation, or the man-machine interface (e.g., system controls, man-machine interface). The Government will make the determination whether or not the system design contains any "significant" changes that could impact safety. Should the Government determine that a "significant" change has occurred the contractor shall prepare a safety assessment report IAW CDRL A011.

3.5.7.1.1 Safety Inspection/Verification. The contractor shall schedule sufficient time in the program schedule to permit a safety inspection of the system by the Government prior to Soldier involved technical or user testing and associated training, or start of contract deliveries. The inspections will be used to verify the information contained in the SAR. The contractor must allow sufficient time to correct any unresolved high or medium risk hazards prior to testing or delivery of the system to the Government.

3.5.7.1.2 Hazard Tracking. The contractor shall enter and track hazards using a Government provided electronic hazard tracking system. This Government provided system (VISOR software) will be provided to the contractor no later than 30 days after contract award. A hazard risk assessment code shall be assigned to each identified hazard using the matrix provided in the VISOR hazard tracking system.

APPENDIX A

Government Test Conditions, Technical Interpretations, and Test Methods

The purpose of this appendix is to provide an understanding of how Night Vision and Electronic Sensors Directorate (NVESD) performs testing and not to mandate specific test methodologies. Assurance of test methodologies will be established through round robin correlation testing and test procedure review.

1. Test Conditions. Operational performance requirements shall be verified by NVESD under the following test conditions:

a. The radiation source used for evaluation of photocathode sensitivity, EBI, luminance gain, and signal-to-noise shall be a tungsten-filament lamp operated at a color temperature of 2856 Kelvin (K) ± 50 K.

b. The radiation source used for evaluation of halo, resolution, and modulation transfer function (MTF) shall be a tungsten-filament lamp operated at a color temperature of 2700K to 2900K.

c. The photometer used for screen brightness measurements shall have a current NIST-traceable calibration.

d. The actual values of input illumination or radiation employed in operational performance tests shall be within ± 25 percent of that specified. These actual values shall be used in all computations used to determine compliance with the performance requirements. The actual input illumination employed for measurement of signal-to-noise ratio shall be within ± 10 percent of that specified.

e. Meters used for monitoring lamp current and voltage shall have an accuracy of ± 0.25 percent.

f. Tests shall be performed at room temperature (see 2.1).

g. Neutral density filters used in test equipment shall have transmission characteristics within ± 10 percent of the nominal filter transmission from 0.35 to 1.0 micrometer.

h. Input voltage on the assembly shall be 3.0 Vdc. The tolerance on the applied nominal input voltages shall be ± 0.05 Vdc.

2. Technical interpretations. The following technical interpretations shall be utilized in the performance of NVESD measurements:

2.1 Room Temperature. Room temperature is defined as $+23^{\circ}\text{C} +10^{\circ}\text{C}/-2^{\circ}\text{C}$.

2.2 Photocathode. A glass input window bonded to a gallium arsenide substrate is referred to as the photocathode.

2.3 Modulation Transfer Function (MTF). Modulation Transfer Function (MTF) is a measure of the degradation of an image as it appears at the output screen of the assembly, as correlated to the input image. MTF is normalized

to 100 percent at a spatial frequency equal to or less than 0.25 line pairs per millimeter.

2.4 Limiting Resolution. Limiting resolution is defined as the smallest resolution pattern on the 1951 US Air Force Resolving Power Test Target for which the observer can distinguish three (3) black bars and the two (2) white areas between the black bars, for both the vertical and horizontal bar patterns.

2.5 Halo. Halo is defined as the circular area of brightness displayed on the assembly phosphor screen caused by a small bright-source input, with which it is concentric. Unless otherwise specified, "halo" shall refer to the bright circular area associated only with the photocathode-to-MCP proximity spacing.

2.6 Photocathode (or luminous) Sensitivity. The photocurrent (in microamperes), as corrected for leakage and dark current, divided by the actual input illumination (in lumens).

2.7 Photocathode Radiance Sensitivity. Total tube current (in milliamperes), as corrected for leakage and dark current) divided by the actual input radiation (in watts).

2.8 Equivalent Background Input (EBI). Equivalent Background Input (EBI) is the quotient of the residual output screen luminance in the absence of photocathode illumination, and the luminance gain of the image tube.

2.9 Luminance Gain. When the photocathode of the tube assembly is illuminated with input light uniformly distributed over the full useful diameter of the photocathode, the luminance gain is defined as the screen luminance (in footlamberts) divided by the actual input illumination (in footcandles), where screen luminance is measured such that the acceptance angle of the measuring instrument subtends a minimum 16mm-diameter area centered on the phosphor screen. The screen luminance value utilized in this computation shall be corrected by the background (i.e., no input) luminance value.

2.10 Signal-to-Noise Ratio (SNR). Signal-to-Noise Ratio (SNR) is a measure of the image intensifier tube's average output brightness or "signal" (corrected by the background luminance) divided by the standard deviation of the output brightness or "noise" (also corrected by the background luminance). These are measured with a specified input spot of light of 0.20mm diameter placed within a 1mm radius from the assembly's optical axis, with a spot illumination of 1×10^{-5} fc of a 2856K ± 50 K blackbody source of irradiance. The standard deviation of spot brightness is measured over a 10 Hz noise equivalent bandwidth.

2.11 Nominal Voltages. Unless otherwise specified, voltages applied to bare tubes shall be in accordance with the following nominal voltage settings:

- a. Photocathode (V_1): Not greater than 1200 Vdc below the microchannel plate (MCP) input.
- b. MCP input (V_2): 1000 ± 200 Vdc below MCP output.
- c. Phosphor screen (V_3): 5000 ± 1000 Vdc above MCP output.

3. Test Methods. NVESD test measurements shall be made in accordance with the following:

3.1 Photocathode Sensitivity. The photocathode sensitivity shall be measured prior to assembly of the tube and the power supply. Corrections for leakage and dark current shall be made. The luminous sensitivity shall be measured over a minimum 16mm-diameter circle with 0.001 lumen of tungsten lamp radiation, and with a photocathode voltage not greater than 1200 Vdc. The value of photocathode sensitivity utilized to determine specification compliance shall be measured at an applied voltage that is not more than 50 Vdc higher than the actual voltage utilized in the given tube assembly. The photocurrent (in microamperes) corrected for leakage/dark current, divided by the actual input (in lumens) is the 2856K photocathode sensitivity (in microamperes per lumen). With the same dc voltage applied as above, insert a 0.880 micrometer filter between the photocathode and the tungsten-filament source. A minimum 16mm-diameter area on the photocathode shall be illuminated with the filtered radiation at a level between 1×10^{-8} to 5×10^{-6} watt. Measure the total tube current and subtract the photocathode leakage/dark current. This photocurrent (in milliamperes), divided by the actual input radiation (in watts) is the photocathode radiance sensitivity at 0.880 ± 0.001 micrometers (in milliamperes per watt). The 0.880 ± 0.001 micrometer filter shall have the following characteristics:

- a. Far infrared blocking out to 4 micrometers and ultraviolet (UV) blocking out to 0.3 micrometer.
- b. Peak placement wavelength of 0.880 micrometer ± 0.001 micrometer.
- c. Bandwidth at the 10 percent points not greater than 0.015 micrometer.
- d. Minimum peak transmission of 50 percent.

3.1.1 Luminous and Radiance Sensitivity Test Procedure:

- Allow sufficient time for the test bench equipment to warm up and stabilize.
- Install the bare tube module in its appropriate fixture where the photocathode is centered on a 16mm aperture that is placed at the output of a tungsten-lamp source so that a uniform illumination of 2.67×10^{-1} fc will be incident on the photocathode.
- Connect the current meter in series with the tube to record tube current levels:
 1. Connect the high side of the meter to the microchannel plate (MCP) input.
 2. Connect the low side of the meter to the MCP output and screen.
 3. Connect V_1 to the photocathode.
- Adjust V_1 to obtain the required voltage and record the current displayed on the meter.
- Insert a 0.880 micrometer filter between the photocathode and the tungsten-filament lamp source and record the current displayed on the meter.
- Block the source and with no radiation applied to the photocathode record the current on the meter.
- Correct the luminous and radiant sensitivity current values by their respective leakage/dark current values.

- Divide the corrected luminous and radiant current values by the input illumination and input radiance, respectively, to arrive at the luminous sensitivity and the radiance sensitivity.

3.1.2 Luminous and Radiance Sensitivity Test Equipment:

- Power Supply, Optronics, Mdl 65ds
 - steady current source for the lamp.
- DMM, Keithly, Mdl 1975A
 - monitors the lamp current.
- Shunt, EPC corporation, Mdl HS 10A/1V
 - used to help monitor the lamp current.
- Electrometer, Keithley, Mdl 617
 - monitors the sphere silicon detector.
- Light source, In-house design
 - provides a uniform 2856K spectral output at the required light levels.
- Power supply, Power Designs, Mdl AEC-315M1
 - provides photocathode voltage.

3.2. EBI and Saturation. With no light incident, apply the input voltage to the tube assembly and illuminate the photocathode of the operating assembly with an input light level of approximately 2×10^{-4} fc, uniformly distributed over the full useful diameter of the photocathode for a minimum of one (1) minute. Record the screen brightness in footlamberts as the saturation value. Remove the input illumination to the photocathode. With the operating potential applied to the intensifier and no radiation incident on the photocathode, hold for a period of not less than one (1) minute and no more than 15 minutes. At the end of this stabilizing period with no radiation incident on the photocathode, measure the screen brightness (in footlamberts) with the photometer, over a minimum 16mm-diameter circle centered on the assembly's optical axis. Divide this reading by the luminance gain as measured in paragraph 3.3, and multiply the result by $(1.076 \times 10^{-3}$ phot/fc).

3.3 Luminance Gain. Illuminate the photocathode of the operating tube assembly with an input light level uniformly distributed over the full useful diameter of the photocathode for each of the illumination conditions. For each illumination condition, measure the input current to the assembly and the screen luminance with the photometer. The acceptance angle of the photometer shall be no greater than two (2) degrees. Position the photometer so that the acceptance angle subtends a minimum 16mm-diameter area centered on the phosphor screen. Luminance gain is determined by dividing the screen luminance (in footlamberts) by the actual input illumination (in footcandles).

3.3.1 Reference Tubes for EBI, Saturation and Luminance Gain:

- Two (2) each reference tubes which have been demonstrated to be stable shall be kept in house and measured on each test bench prior to performing a series of image tube measurements. The reference tube data shall be recorded and charted. A measured result on the first

tube with a delta of 3% or more from its charted average constitutes a potentially unstable condition. A second in-house reference tube shall be then measured to determine whether the drift originates in the test bench or the first tube. If the second image tube's measured result is also off by 3% or more from its charted average, the test bench may be out of calibration. A calibration check of the test bench shall now take place before image tubes can be tested on this test bench. Each reference tube shall be re-measured and the result shall be recorded and charted, and be within 3% of its average.

3.3.2 EBI, Saturation and Luminance Gain Test Procedure:

- Image tubes should soak in an environment of $21^{\circ}\text{C} \pm 0^{\circ}\text{C}$, -1°C for a minimum of 3 hours before performing EBI measurements.
- Allow the necessary time for the test bench equipment to warm up and stabilize.
- Set the photometer for a 1-degree aperture. Focus the eyepiece, and perform the photometer internal calibration, dark current and zero checks as described in its manual.
- Install the test bench reference tube in its appropriate fixture where the photocathode is centered at the output of a tungsten-lamp source so that an illumination of 2×10^{-4} fc is uniformly distributed over the full useful diameter of the photocathode.
- While looking through the eyepiece of the photometer adjust the photometer's distance and objective focus so that the photometer's measurement spot is between 16 and 17.5 mm in diameter, and is focused and centered upon the image tube's phosphor screen.
- Apply the required voltage to the image tube.
- Monitor the light source's silicon detector current on the electrometer to ensure that its reading is consistent with a pre-calibrated current value.
- Let the image tube soak for a minimum of 1 minute, and then record the saturation (i.e., Automatic Brightness Control level) reading for the image tube with the photometer.
- Block the source so that no radiation is incident upon the photocathode.
- Let the tube stabilize for not more than (15) minutes and then record the background reading for the image tube with the photometer. Determine the EBI by dividing this result by the luminance gain, and multiply the result by $(1.076 \times 10^{-3} \text{ phot/fc})$.
- Adjust the source so that an input illumination of 2×10^{-6} fc is uniformly distributed over the full useful diameter of the photocathode.
- Record the photometer reading for the image tube.
- Luminance gain is determined by dividing the screen luminance (in footlamberts) by the actual input illumination (in footcandles).

3.3.3 EBI, Saturation and Luminance Gain Test Bench Equipment:

- Power Supply, Optronics, Mdl 65ds
 - steady current source for the lamp.
- DMM, Keithly, Mdl 1975A
 - monitors the lamp current.
- Shunt, EPC corporation, Mdl HS 10A/1V
 - used to help monitor the lamp current.
- Electrometer, Keithley, Mdl 617
 - monitors the sphere silicon detector.
- Light source, Optronics, Mdl 420
 - provides a uniform 2856K spectral output at the required light levels.
- Power supply, Precision Power Source, Mdl 2005
 - supplies the 3.0 vdc for the image tube.
- Photometer, Photo Research, Mdl 1980 with a WFL10 lens
 - measures the image tube's output in FL.
- Thermal chamber, Thermotron, Mdl SM-1-0-3200
 - incubates the image tubes before EBI measurements.
- Image tube fixture, fabricated in-house
 - holds the image tube in its proper orientation to ensure that precise and accurate measurements can be performed.

3.4.1 Halo. Illuminate the photocathode of the assembly through an aperture followed by an AN/PVS-14 objective lens or equivalent. The aperture shall be such as to produce a spot of light $0.350 \pm 0.02\text{mm}$ in diameter on the photocathode of the assembly, at a location within a 2.0mm-diameter circle centered on the assembly optical axis. The illumination in that spot shall not be less than $5 \times 10^{-4} \text{fc}$, nor greater than $8 \times 10^{-2} \text{fc}$. The illumination incident on the photocathode of the assembly in the region outside the 0.350mm spot shall not exceed 1/500 of the spot illumination. Measure the diameter of the halo (see 2.5) formed on the output image screen with a 10-15x measuring magnifier. Repeat the measurement three (3) times and compute an average diameter for determination of specification compliance.

3.4.1.1 Halo Test Procedure:

- Allow sufficient time for the test bench equipment to warm up and stabilize.
- Install a pinhole aperture at the output port of a uniform light source.
- Axially align and position an AN/PVS-14 objective lens or equivalent such that the input side of the lens is looking towards the pinhole aperture.
- Adjust the position of the objective lens such that an illuminated spot of $0.35 \pm 0.02 \text{ mm}$ can be obtained and centered on the output side of the lens. Lock the lens in this position.
- Position a 10-15x viewing device incorporating an eyepiece crosshair such that the crosshair is axially aligned and focused upon the real image of the spot from the lens.
- Measure the diameter of this illuminated spot:

- The diameter (0.35 ± 0.02 mm) of the spot projected on the image tube's photocathode shall be determined by aligning one side of the vertical cross hair in the eyepiece with one edge of the input spot at its widest point, and zero this position on the digital readout device. Move the vertical crosshair straight across the illuminated spot such that the opposite side of the vertical crosshair is aligned on this edge of illuminated spot at its widest point. Record the input spot diameter (mm) from the digital readout.
- Install the image tube in an appropriate fixture such that the image tube is axially aligned and centered, such that the lens can focus a 0.35 ± 0.02 mm spot on the photocathode.
- Position the viewing device such that its eyepiece crosshair can be axially aligned, centered and focused upon the tube's phosphor screen.
- Supply the required operational voltage to the image tube.
- While looking through the viewing device, adjust the pinhole illumination level, the focus of the input-spacing halo image on the phosphor screen, and the focus of the viewing device to obtain the clearest image possible of the halo.
- Re-check the alignment and centering of the viewing device, and the focus of the pinhole on the phosphor screen, to ensure the sharpest and clearest image of the pinhole and input-spacing halo are achieved.
- Measure the input spacing halo diameter (mm) as follows:
 - The diameter of the image tube's input-spacing halo shall be determined by aligning the vertical cross hair in the eyepiece on one edge of the image tube's input-spacing halo at its widest point. The edge of the image tube's halo is subjectively determined by the tester, in accordance with his individual criteria. Zero this position on the digital readout device. Move the vertical crosshair straight across the diameter of the halo to the other edge of the halo and align the vertical crosshair at the halo's widest point. Record the position on the digital readout device for halo-diameter measurement result number 1. Repeat this same procedure two more times, and utilize the average of the three results for the image tube's reported halo diameter.

3.4.1.2 Halo Test Bench Equipment:

- Power supply, Optronics, Mdl 65ds
 - steady current source for lamp.
- Light source, Optronics, Mdl 420
 - provides a uniform 2856K illumination at the required light levels.
- Power supply, Precision Power Source, Mdl 2005
 - supplies the required image tube voltage.
- Traveling microscope, Gaertner, 10-28x magnification w/eyepiece cross hair
 - positions and focuses on the tube's phosphor screen.
- Digital dial indicator, Mitutoyo Corp., Mdl ID-C150tb

- measures and records the halo diameter (mm).

3.4.2 Halo Variation. Measure and compute the halo at a minimum of three locations in the tube's useful area. These locations shall lie between 5-7mm from the tube's optical axis, and shall be rotationally uniform around the optical axis (e.g., 0-deg, 120-deg, 240-deg for three locations). The halo variation is defined as the difference between maximum halo and the minimum halo computed at these locations.

3.4.2.1 Halo Variation Test Procedure:

The procedures for a halo measurement as described in (3.4.1.1 Halo) shall also be used for measuring the halo diameter in this test. The image tube shall be repositioned such that the input spot exhibits a halo at three locations (0-deg, 120-deg, and 240-deg) on the phosphor screen that lie between 5-7 mm from the tube's optical axis. At each halo location the viewing device (as described above) shall be repositioned to accurately measure the diameter of each halo on the phosphor screen as described above.

3.4.2.2 Halo Variation Test Bench Equipment:

The test bench equipment used to perform halo diameter measurements shall also be used to perform measurements of halo variation.

3.5 Signal-to-Noise Ratio (SNR). Image a circular spot no larger than $0.20 + 0.01\text{mm}$ diameter onto the photocathode within a 2.0mm diameter circle centered on the assembly's optical axis. Tube dark spots may be avoided for spot placement. Any spot movement outside the 2.0mm circle shall require that two (2) separate locations, which are diametrically opposed relative to the optical axis and which are within a 5.6mm-diameter circle centered on the optical axis, be measured and averaged to determine signal-to-noise ratio. The circular spot shall illuminate the photocathode at a level no greater than 1×10^{-5} fc. Focus the signal which is emergent from the assembly onto a 0.20 - 0.70mm diameter measurement pinhole. Align to obtain a maximum signal through the pinhole. Measure the light passing through the pinhole with a low-dark-current photomultiplier tube, EMR Model 541E, or equivalent. After suitable amplification, pass the signal to a signal-to-noise measurement set and measure the dc content and the rms value of the signal over an electronic bandwidth of 10 Hz. The signal-to-noise (S/N) ratio is the ratio of the dc signal to the rms noise. Perform this measurement with the source spot illuminated for no less than 200sec for the signal value and with same setup and no input for a minimum of 20 sec for the background value. The SNR can then be computed as follows:

$$S/N = (S_o - S_{bkd}) / [K (N_o^2 - N_{bkd}^2)^{1/2}]$$

where:

S = dc signal
 N = rms noise
 S_o = signal output from S/N tester
 S_{bkd} = background signal from S/N tester with no input to assembly
 N_o = noise output from S/N tester rms meter
 N_{bkd} = background noise from S/N tester rms meter with no input to assembly

K = correlation factor to obtain a signal-to-noise ratio over an equivalent bandwidth of 10 Hz independent of the assembly's frequency response; K = 1.15 for a P-43 phosphor.

3.5.1 Reference Tubes for Signal-to-Noise Ratio:

Two (2) each reference tubes which have been demonstrated to be stable shall be kept in house and measured on each test bench prior to performing a series of image tube measurements. The reference tube data shall be recorded and charted. A measured result on the first tube with a delta of 3% or more from its charted average constitutes a potentially unstable condition. A second in-house reference tube shall be then measured to determine whether the drift originates in the test bench or the first tube. If the second image tube's measured result is also off by 3% or more from its charted average, the test bench may be out of calibration. A calibration check of the test bench shall now take place before image tubes can be tested on this test bench. Each reference tube shall be re-measured and the result shall be recorded and charted, and be within 3% of its average.

3.5.2 Signal-to-Noise Ratio Test Procedure:

- Allow sufficient time for the test bench equipment to warm up and stabilize.
- Install a pinhole and an AN/PVS-14 lens or equivalent such that a 0.20mm spot at an illumination not greater than 1×10^{-5} fc is projected on the image tube's photocathode.
- Install the image tube in an appropriate fixture where the photocathode is centered on the 0.20mm spot and shrouded to prevent exposure to stray light.
- Turn off the room lights and block the light from any items or equipment that may interfere with the SNR measurements.
- Monitor the light source's silicon detector to ensure that its reading is consistent with a pre-calibrated current value that ensures a light level of 1×10^{-5} fc is illuminating the 0.20 mm spot.
- Apply the required operational voltage to the image tube.
- Using an eye loop and the image tube fixture, focus the 0.20mm spot as displayed on the phosphor screen.
- Focus the phosphor screen spot onto a low-dark current photomultiplier tube (PMT), EMR Mdl 541E or equivalent, equipped with an input objective lens and a 0.20-0.70mm diameter measurement aperture.
- Shroud the image tube's output and the PMT input to prevent any stray light from entering the PMT.
- Monitor the oscilloscope signal level while adjusting the PMT high voltage to where the voltage spikes resulting from the phosphor scintillations are clearly visible. The signal voltage level with the scintillation spikes should be adjusted to a pre-calibrated level necessary for accurately measuring an image tube's SNR value.
- Focus and align the PMT for the maximum signal.
- Begin recording the dc content and rms value of the signal over an electronic bandwidth of 10 Hz with the data acquisition computer.

- Record the signal for 200 seconds.
- Shutter the source such that no radiation is incident on the photocathode.
- Record the dark signal for 20 seconds.
- Compute the signal-to-noise ratio as defined above.

3.5.3 Signal-to-Noise Ratio Test Bench Equipment:

- Power supply, Optronics, Mdl 65ds
 - steady current source for the tungsten-halogen bulb.
- DMM, Keithley, Mdl 1976A
 - monitors the halogen bulb current.
- Shunt, EPC corp. Mdl HS 10A/1v
 - monitors the halogen bulb current.
- Electrometer, Keithley, Mdl 617
 - monitors the light-source silicon detector.
- Power supply, Laboratory Photometer, Mdl 110
 - provides the high voltage power to the PMT.
- Power supply, Precision Power Source, Mdl 2005
 - provides the required image tube voltage.
- Power supply, HP, Mdl 6237B
 - provides the voltage for the PMT output preamp.
- PMT, Pacific Photometric Instruments, EMI Mdl 62-9502S
 - amplifies the low signal levels from the tube.
- Light Source, Optronics, Mdl 420
 - supplies a uniform 2856K spectral output at the required light level of 1×10^{-5} fc.
- Data acquisition module, National Instruments, Mdl USB-6008
 - provides the dc content of the signal to a computer.
- Tough book computer, Panasonic, Mdl CF29
 - captures, calculates, and stores the SNR.

3.6 Center Resolution. Perform this test using the following: a projection system having an f-number not greater than f/1.4 to project the test pattern, a resolving power target having black bars on a white background (1951 US Air Force Resolving Power Test Target), and a 20-30x magnifier. The resolving power test target shall be focused onto the photocathode such that the center of the target is aligned within 2mm of the assembly's optical axis. The input radiation shall be adjusted for best image contrast. The image of the resolving power test target formed on the screen of the assembly shall be observed for limiting resolution (see 2.4).

3.6.1 Observer Criteria for Center Resolution:

Center resolution is a subjective measurement and the result will usually vary somewhat from person to person. A maximum difference of one element between trained observers shall be maintained. The criteria an observer uses to determine whether he/she can see the three black bars and the two intervening white spaces for both the vertical and horizontal bars shall be

consistent for all measurements. The objective is to determine the smallest group and element that can be discerned by the observer.

3.6.2 Center Resolution Test Procedure:

- Allow sufficient time for the test bench equipment to warm up and stabilize.
- Place an image tube in the appropriate fixture such that the photocathode is axially aligned, and the projected target pattern is centered on the photocathode.
- Focus the target pattern image onto the tube's photocathode.
- Turn off the room lights and block any stray light that may interfere with the measurements.
- Adjust the light source to produce an output sufficiently low that it will not burn the image tube when powered up.
- Power up the image tube.
- Position the viewing device (stereo microscope or monocular unit) with a 26x or greater magnification such that it is axially aligned and centered on the phosphor screen.
- Looking through the viewing device, adjust the light level to optimize contrast.
- Align the image tube to obtain best focus of the projected pattern on the photocathode.
- Focus the viewing device to obtain best focus of the pattern on the phosphor screen.
- It may be necessary to readjust the light level and refocus the image tube's input and the viewing device to obtain the best image possible of the projected pattern on the phosphor screen.
- Using the descriptions above, record the number for the smallest group and element that can be seen.
- It may be necessary to slightly adjust the image tube position if a cosmetic defect is interfering with the reading.
- Record the result and calculate the image tube's resolution as determined on the particular test bench.

3.6.3 Center Resolution Test Bench Equipment:

- Power supply, Optronics, Mdl 65ds
 - steady current source for lamp.
- Light source, Optronics, Mdl 420
 - provides a uniform 2856K illumination at the required light levels.
- Power supply, Precision Power Source, Mdl 2005
 - supplies the required image tube voltage.
- Traveling microscope, Gaertner, 10-28x magnification w/eyepiece cross hair
 - positions and focuses on the tube's phosphor screen.

- Digital dial indicator, Mitutoyo Corp. Mdl ID-C150tb
 - measures and records the halo diameter (mm).

3.7 Modulation Transfer Function (MTF). Equipment used to measure the MTF shall satisfy the following conditions:

- a. A sine-wave analyzer capable of, but not limited to, direct readout for spatial frequencies within one line pair of the following: 2.5 lp/mm, 7.5 lp/mm, 15 lp/mm, and 25 lp/mm.
- b. The limiting aperture of the test pattern shall be a minimum of 4.0mm in width referred to the photocathode of the assembly.
- c. The test system's calibration frequency shall be 0.25 lp/mm or less.
- d. The test system's MTF shall be not less than 95 percent at a spatial frequency of 2.5lp/mm.
- e. The input illumination measured at the assembly's photocathode shall not be greater than 8×10^{-4} fc.
- f. Assembly MTF is determined by dividing the MTF of the measuring system with the assembly in place by the MTF of the measuring system without the assembly.

3.7.1 MTF Test Procedure:

- Allow sufficient time for the test bench equipment to warm up and stabilize.
- Install an image tube in the fixture in the MTF test bench.
- Run the system program and follow prompts.
- Once the system has finished record and save the data.

3.7.2 MTF Test Bench Equipment:

- AIMS II as manufactured by the Penn State Electro-Optics Center.

SECTION E - INSPECTION AND ACCEPTANCE

The following have been added by full text:

WAIVERS, DEVIATIONS AND FIAR'S

The contractor is authorized to ship product that has outstanding waivers, deviations, and FIAR's upon receipt of written approval from the government. Request for authorization shall be submitted to the Program Manager - Soldier Sensors and Lasers (PM-SSL).

The Government reserves the right to cancel authorizations at any time. The Government reserves the right to require screening and/or rework of the accepted product, should the Government determine it to be necessary after receipt and review of the contractor's final failure analysis. If screening and/or rework of accepted product is determined to be required, it will be solely at the expense of the contractor. Additionally, the Government reserves

the right to seek consideration at a later date, if the Government determines that screening and/or rework of the accepted product would not be appropriate or advantageous to the Government.

SECTION F - DELIVERIES OR PERFORMANCE

The following have been added by full text:

ADDITIONAL DELIVERY INFO

Accelerated deliveries to the U.S. Government, at no additional cost to the Government, are hereby authorized.

SECTION G - CONTRACT ADMINISTRATION DATA

The following have been modified:

GOVERNMENT FURNISHED PROPERTY

1. The Government will provide the following item(s) of Government property to the Contractor for use in the performance of this contract. This property shall be used and maintained by the Contractor in accordance with the provisions of the "Government Property" FAR clause contained elsewhere in the contract.

NATIONAL UNIT GROSS APPLIES

STOCK NUMBER DESCRIPTION ALLOWANCE TO SLIN

5855-01-551- 4525	Helmet Mount (ACH)
5855-01457-2953	Helmet Mount (PASGT)
TM 11-5855-262-10-2	AN/PVS-7 Operator's Manual
TM 11-5855-306-10	AN/PVS-14 Operator's Manual

2. Delivery of Government furnished property. Government furnished property (GFP) will be delivered to the "producing facility" as identified by the contractor in the "Place of Performance and Shipping Point" provision in Section G of the schedule, unless herein stated otherwise by the contractor. The GFP will be delivered to the contractor as follows:

a. Production Items. In the event that GFE is not available, contractor is authorized to ship in place (bonded stock) on a DD250 pending receipt of GFE. Upon receipt of GFE, contractor will incorporate the GFE with each Night Vision Goggle (NVG) and ship to their designated DODAAC's on a DD1149 in accordance with contract requirements.

b. The Government retains the option to ship the property in larger quantities or at earlier times when such action is in the interest of the Government.

c. If the GFP is not received in accordance with the above schedule, the contractor shall notify the Procuring Contracting Officer (PCO) within seven days after the date of shipment in place established by the above schedule.

3. Contractor inspection of GFP. The contractor shall inspect all GFP within 30 calendar days of its receipt. If the inspection reveals GFP damages or discrepancies, the contractor shall:

a. Complete the appropriate form:

SF 364 - Report of Discrepancy. Used to report material discrepancies including condition of material, incorrect supply documentation, misdirected material, overages and/or shortages, duplicate shipments, packaging discrepancies, item technical data markings and wrong items.

SF 361 Discrepancy in Shipment Report. Use to report any transportation discrepancy in shipment throughout the Defense Transportation System (DTS) and shipment within CONUS moved by commercial carrier (lost or damaged).

SF 368 - Quality Deficiency Report. Used to report defects or nonconforming conditions which limit or prohibit the product from fulfilling its intended purpose, including deficiencies in design, specification, material, manufacturing and workmanship.

b. Obtain certification from the designated Government Quality Assurance Representative (GQAR).

c. Forward the completed, certified form within seven calendar days as follows:

FORM DISTRIBUTION

SF 364 SFCA-SR-WS - 2 copies

PCO - 1 Copy

SF 361 SFCA-SR-WS - 2 copies

PCO - 1 Copy

SF 368 SFCA-SR-WS - 1 copy

ACO - 1 Copy (ACO information to be provided at time of award)

d. When the contractor considers any damage attributable to the carrier, the contractor will arrange for and document a confirming inspection by the carrier's representative.

4. Repackaging and Repacking of GFP. The contractor is responsible for any repackaging and repacking of GFP required to comply with applicable specifications. When the GFP is received completely packed for reshipment in the same container, it will not be opened by the contractor for inspection. The contractor shall advise the cognizant GQAR of any questions concerning the quantity, quality, or condition of such property.

5. Shipment of GFP. Within 30 calendar days after the contractor receives the applicable shipping instructions from the PCO (or designated property representative), the contractor shall submit an original and three copies of DD Form 1659, Application for U.S. Government Shipping Documentation. Instructions to the ACO.

6. Disposition of GFP. As soon as the GFP is no longer required, but not later than completion of all scheduled contract deliveries or termination of this contract, the contractor shall return to the Government all GFP not utilized in performance of this contract or otherwise disposed of by the PCO's direction.

a. The contractor will notify the cognizant GQAR to arrange for inspection of the property before it is packed for return to the Government.

b. The contractor shall prepare the property for delivery LOP/LPK C in accordance with ASTM D 3951-95 and shall ensure that all items comply with all common carrier rules and regulations. The contractor shall deliver the property return F.O.B Origin in accordance with the applicable shipping/disposition instructions received from the PCO.

c. The property shall be delivered to the Government utilizing DD Form 1149 citing the same document under which it was received. The contractor shall forward a copy of DD Form 1149 to the addressee listed below:

PM-SMS

(ATTN: SFAE-SDR-SSL-SMS G. Keller)

10170 Beach Road, Building 325

Fort Belvoir, VA 22060-5820

WIDE AREA WORKFLOW (WAWF) INFORMATION AND INSTRUCTION (MAY 2009)

As prescribed in DFARS 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports, contractors shall submit payment requests and receiving reports using WAWF. WAWF is a secure web-based system for electronic invoicing, receipt and acceptance located at <https://wawf.eb.mil>. Contractors can register to use WAEF on the Internet for no charge and ensure an electronic business point of contact (POC) is designated in the Central Contractor Registration site at <http://www.ccr.gov> within ten (10) calendar days after award. WAWF training is provided at <http://www.wawftraining.com/>. This application allows contractor submittal and tracking of invoices and receipt/acceptance documents. Questions relating to system setup and training can be directed to the associated site help desks and the Army WAWF Help Desk which provides support for all users as follows. Questions can also be sent via email to: cco-ec-army-wawf-helpdesk@dfas.mil:

Hours of Operation: Monday – Friday, 0630-1800 EDT

Phone Numbers: Toll Free: 1-877-2232-9293

Comm: 1-317-510-0625 or DSN: 699-0625

Important Information:

Please submit your invoice/receiving report in WAWF when you ship your items. Otherwise, when your delivery arrives, there is nothing to receive your shipment against if the information has not been entered in WAWF.

Include the Purchase Request (PR) number in the Line Item Description. This is found under the Line Item Description on this contract/order.

WAWF is the preferred method to electronically process vendor request for payment. It allows vendors to submit and track invoices and receipt/acceptance documents electronically.

WAWF Instructions:

Questions concerning payments should be directed to the Defense Finance and Accounting Service (DFAS):

DFAS - COLUMBUS CENTER WEST - HQ0339
WEST ENTITLEMENT OPERATIONS
PO BOX 182381
COLUMBUS OH 43218-2381

1-800-756-4571 ; Option 1, or

(216) 522-6998, Option 1

E-mail: CCO.VPIS-MOCAS@DFAS.MIL

Note: Vendor, please have your purchase/contract/delivery order number(s) ready when calling about payments.

The following Codes and information will be required to assure successful flow of WAWF comments:

TYPE OF DOCUMENT (*Check the appropriate block*)

[] Commercial Item Financing

[] Construction Invoice (*Contractor Only*)

- Invoice (*Contractor Only*)
- Invoice and Receiving Report Combo (Supplies) - OR - Supplies and FFP Services (*check one*)
- Invoice as 2-in-1 (Services Only)
- Performance Based Payment (*Government Only*)
- Progress Payment (*Government Only*)
- Cost Voucher (All Cost Reimbursable or T&M)(*Government Only*)
- Receiving Report (*Government Only*)
- Receiving Report With Unique Identification (UID) Data (*Government Only*)
UID is a new globally unique “art identifier” containing data elements used to track DoD parts
Through their life cycle.
- Summary Cost Voucher (*Government Only*)

Cage Code: 55311 – L-3 Communications Corporation, Warrior Systems Division
0B107 – L-3 Communications Corporation, Warrior Systems Division

Issue By DoDAAC: W91CRB

Admin By DoDAAC: DCMA PHOENIX - S0302A

Inspect By DoDAAC: DCMA PHOENIX - S0302A

Accept By DoDAAC: DCMA PHOENIX - S0302A

Accept Reviewer/Approver DoDAAC: N/A

Ship to DoDAAC: To be determined under each individual order.

Local Processing Office DoDAAC: N/A

Payment Office Fiscal Station Code: SEE BLOCK 25 ON CONTRACT

Email Addresses for Points of Contact (when determined): Contact Payment office for email address information

Inspector: DCMA.PHOENIX@DCMA.MIL
Acceptor: DCMA.PHOENIX@DCMA.MIL
Receiving Office: DCMA.PHOENIX@DCMA.MIL
Contract Administrator: DCMA.PHOENIX@DCMA.MIL
Contracting Officer: tyrone.m knight@us.army.mil
Addition POC: tyrone.m knight@us.army.mil

SECTION I - CONTRACT CLAUSES

The following have been modified:

252.211-7003 ITEM IDENTIFICATION AND VALUATION (SEP 2010)

(a) Definitions. As used in this clause'

Automatic identification device means a device, such as a reader or interrogator, used to retrieve data encoded on machine-readable media.

Concatenated unique item identifier means--

(1) For items that are serialized within the enterprise identifier, the linking together of the unique identifier data elements in order of the issuing agency code, enterprise identifier, and unique serial number within the enterprise identifier; or

(2) For items that are serialized within the original part, lot, or batch number, the linking together of the unique identifier data elements in order of the issuing agency code; enterprise identifier; original part, lot, or batch number; and serial number within the original part, lot, or batch number.

Data qualifier means a specified character (or string of characters) that immediately precedes a data field that defines the general category or intended use of the data that follows.

DoD recognized unique identification equivalent” means a unique identification method that is in commercial use and has been recognized by DoD. All DoD recognized unique identification equivalents are listed at http://www.acq.osd.mil/dpap/pdi/uid/iuid_equivalents.html.

DoD unique item identification means a system of marking items delivered to DoD with unique item identifiers that have machine-readable data elements to distinguish an item from all other like and unlike items. For items that are serialized within the enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier and a unique serial number. For items that are serialized within the part, lot, or batch number within the enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier; the original part, lot, or batch number; and the serial number.

Enterprise means the entity (e.g., a manufacturer or vendor) responsible for assigning unique item identifiers to items.

Enterprise identifier means a code that is uniquely assigned to an enterprise by an issuing agency.

Government's unit acquisition cost means--

(1) For fixed-price type line, subline, or exhibit line items, the unit price identified in the contract at the time of delivery;

(2) For cost-type or undefinitized line, subline, or exhibit line items, the Contractor's estimated fully burdened unit cost to the Government at the time of delivery; and

(3) For items produced under a time-and-materials contract, the Contractor's estimated fully burdened unit cost to the Government at the time of delivery.

Issuing agency means an organization responsible for assigning a non-repeatable identifier to an enterprise (i.e., Dun & Bradstreet's Data Universal Numbering System (DUNS) Number, GS1 Company Prefix, or Defense Logistics Information System (DLIS) Commercial and Government Entity (CAGE) Code).

Issuing agency code means a code that designates the registration (or controlling) authority for the enterprise identifier.

Item means a single hardware article or a single unit formed by a grouping of subassemblies, components, or constituent parts.

Lot or batch number means an identifying number assigned by the enterprise to a designated group of items, usually referred to as either a lot or a batch, all of which were manufactured under identical conditions.

Machine-readable means an automatic identification technology media, such as bar codes, contact memory buttons, radio frequency identification, or optical memory cards.

Original part number means a combination of numbers or letters assigned by the enterprise at item creation to a class of items with the same form, fit, function, and interface.

Parent item means the item assembly, intermediate component, or subassembly that has an embedded item with a unique item identifier or DoD recognized unique identification equivalent.

Serial number within the enterprise identifier means a combination of numbers, letters, or symbols assigned by the enterprise to an item that provides for the differentiation of that item from any other like and unlike item and is never used again within the enterprise.

Serial number within the part, lot, or batch number means a combination of numbers or letters assigned by the enterprise to an item that provides for the differentiation of that item from any other like item within a part, lot, or batch number assignment.

Serialization within the enterprise identifier means each item produced is assigned a serial number that is unique among all the tangible items produced by the enterprise and is never used again. The enterprise is responsible for ensuring unique serialization within the enterprise identifier.

Serialization within the part, lot, or batch number means each item of a particular part, lot, or batch number is assigned a unique serial number within that part, lot, or batch number assignment. The enterprise is responsible for ensuring unique serialization within the part, lot, or batch number within the enterprise identifier.

Unique item identifier means a set of data elements marked on items that is globally unique and unambiguous. The term includes a concatenated unique item identifier or a DoD recognized unique identification equivalent.

Unique item identifier type means a designator to indicate which method of uniquely identifying a part has been used. The current list of accepted unique item identifier types is maintained at http://www.acq.osd.mil/dpap/pdi/uid/uii_types.html.

(b) The Contractor shall deliver all items under a contract line, subline, or exhibit line item.

(c) Unique item identifier.

(1) The Contractor shall provide a unique item identifier for the following:

(i) All delivered items for which the Government's unit acquisition cost is \$5,000 or more.

(ii) The following items for which the Government's unit acquisition cost is less than \$5,000:

Contract line, subline, or exhibit line

item No. Item description

There should be no marking change from contract W9124Q-05-D-0823. Reference all applicable contract CLIN's from 0001 through 0012.

(iii) Subassemblies, components, and parts embedded within delivered items as specified in Attachment Number ----

(2) The unique item identifier and the component data elements of the DoD unique item identification shall not change over the life of the item.

(3) Data syntax and semantics of unique item identifiers. The Contractor shall ensure that--

(i) The encoded data elements (except issuing agency code) of the unique item identifier are marked on the item using one of the following three types of data qualifiers, as determined by the Contractor:

(A) Application Identifiers (AIs) (Format Indicator 05 of ISO/IEC International Standard 15434), in accordance with ISO/IEC International Standard 15418, Information Technology--EAN/UCC Application Identifiers and Fact Data Identifiers and Maintenance and ANSI MH 10.8.2 Data Identifier and Application Identifier Standard.

(B) Data Identifiers (DIs) (Format Indicator 06 of ISO/IEC International Standard 15434), in accordance with ISO/IEC International Standard 15418, Information Technology--EAN/UCC Application Identifiers and Fact Data Identifiers and Maintenance and ANSI MH 10.8.2 Data Identifier and Application Identifier Standard.

(C) Text Element Identifiers (TEIs) (Format Indicator 12 of ISO/IEC International Standard 15434), in accordance with the Air Transport Association Common Support Data Dictionary; and

(ii) The encoded data elements of the unique item identifier conform to the transfer structure, syntax, and coding of messages and data formats specified for Format Indicators 05, 06, and 12 in ISO/IEC International Standard 15434, Information Technology--Transfer Syntax for High Capacity Automatic Data Capture Media.

(4) Unique item identifier.

(i) The Contractor shall--

(A) Determine whether to--

(1) Serialize within the enterprise identifier;

(2) Serialize within the part, lot, or batch number; or

(3) Use a DoD recognized unique identification equivalent; and

(B) Place the data elements of the unique item identifier (enterprise identifier; serial number; DoD recognized unique identification equivalent; and for serialization within the part, lot, or batch number only: original part, lot, or batch number) on items requiring marking by paragraph (c)(1) of this clause, based on the criteria provided in the version of MIL-STD-130, Identification Marking of U.S. Military Property, cited in the contract Schedule.

(ii) The issuing agency code--

(A) Shall not be placed on the item; and

(B) Shall be derived from the data qualifier for the enterprise identifier.

(d) For each item that requires unique item identification under paragraph (c)(1)(i) or (ii) of this clause, in addition to the information provided as part of the Material Inspection and Receiving Report specified elsewhere in this contract, the Contractor shall report at the time of delivery, either as part of, or associated with, the Material Inspection and Receiving Report, the following information:

- (1) Unique item identifier.
- (2) Unique item identifier type.
- (3) Issuing agency code (if concatenated unique item identifier is used).
- (4) Enterprise identifier (if concatenated unique item identifier is used).
- (5) Original part number (if there is serialization within the original part number).
- (6) Lot or batch number (if there is serialization within the lot or batch number).
- (7) Current part number (optional and only if not the same as the original part number).
- (8) Current part number effective date (optional and only if current part number is used).
- (9) Serial number (if concatenated unique item identifier is used).
- (10) Government's unit acquisition cost.
- (11) Unit of measure.

(e) For embedded subassemblies, components, and parts that require DoD unique item identification under paragraph (c)(1)(iii) of this clause, the Contractor shall report as part of, or associated with, the Material Inspection and Receiving Report specified elsewhere in this contract, the following information:

- (1) Unique item identifier of the parent item under paragraph (c)(1) of this clause that contains the embedded subassembly, component, or part.
- (2) Unique item identifier of the embedded subassembly, component, or part.
- (3) Unique item identifier type.**
- (4) Issuing agency code (if concatenated unique item identifier is used).**
- (5) Enterprise identifier (if concatenated unique item identifier is used).**
- (6) Original part number (if there is serialization within the original part number).**
- (7) Lot or batch number (if there is serialization within the lot or batch number).**
- (8) Current part number (optional and only if not the same as the original part number).**
- (9) Current part number effective date (optional and only if current part number is used).**
- (10) Serial number (if concatenated unique item identifier is used).**
- (11) Description.

** Once per item.

(f) The Contractor shall submit the information required by paragraphs (d) and (e) of this clause in accordance with the data submission procedures at http://www.acq.osd.mil/dpap/pdi/uid/data_submission_information.html.

(g) Subcontracts. If the Contractor acquires by subcontract, any item(s) for which unique item identification is required in accordance with paragraph (c)(1) of this clause, the Contractor shall include this clause, including this paragraph (g), in the applicable subcontract(s).

(End of clause)

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

Table of Contents has been deleted

The following have been modified:

J.1 - SECURITY FORM - DD254

The attached DD254, "DEPARTMENT OF DEFENSE, CONTRACT SECURITY CLASSIFICATION SPECIFICATION" Form dated 24 March 2011 shall replace any previous versions under the contract and is hereby incorporated as an attachment.

J.2 - LIST OF DRAWINGS & SPECS

PERFORMANCE SPECIFICATIONS					
Number	Cage Code	Document Number	Rev.	Date	Title
1	80063	MIL-PRF-49184	C	12-Aug-10 ¹	Eyepiece Lens Assembly, Performance Specification
2	80063	MIL-PRF-49190	C	12-Aug-10	Objective Lens Assembly, Performance Specification
3	80063	MIL-PRF-49313	E	30 Aug-10	AN/PVS-7D System Performance Specification
4	80063	MIL-PRF-49324	D	30 Aug-10	AN/PVS-14 System Performance Specification
5	80063	MIL-PRF-49325	B	12-Aug-10	3X Magnifier Lens, Performance Specification
6	80063	MIL-PRF-49427	C	12-Aug-10 ²	Eyepiece Lens Assembly, Performance Specification
7	80063	MIL-PRF-49453	E	19-May-11	MX-10130/UV Image Intensifier, Performance Specification
8	80063	MIL-PRF-A3256342	B	12-Aug-10	Objective Lens Assembly, Performance Specification
9	80063	MIL-PRF-A3256363	E	19-May-11	MX-11769/UV Image Intensifier, Performance Specification

NOTE:

¹ Specification has "01 October 2009" in the header of each page.

² Specification has "01 October 2009" on the cover page.

DRAWINGS

Number	Cage Code	Document Number	Rev.	Date	Title
10	54490	5002569	P	6-Jun-08	Retainer, Tube
11	54490	5002624	L	6-Oct-04	Plastic, Polycarbonate
12	54490	5005838	M	7-Jan-04	Ring, Linkage Eyepiece
13	54490	5007649	-	5-May-87	Tool
14	54490	5007665	A	27-Jun-87	Device, Purge
15	54490	5007667	A	16-Feb-88	Valve
16	54490	5007678	-	5-May-87	Set, Vacuum Hoses
17	54490	5007679	B	27-Jun-87	Housing, Device
18	54490	5007693	-	5-May-87	Case, Carrying
19	54490	5009082	H	25-Feb-04	Adhesive, Modified Cyanoacrylate Ester
20	54490	5009430	V	21-Dec-04	Plastic, Polyetherimide
21	54490	5009545	P	19-Jun-08	Eyepiece Lens Assembly
22	54490	5009546	L	10-Mar-05	Cell Assembly, Eyepiece
23	54490	5009547	J	25-Feb-04	Mount, Eyepiece
24	54490	5009549	K	25-Feb-04	Ring, Focus
25	54490	5009550	G	25-Feb-04	Ring, Retaining
26	54490	5009551	H	25-Feb-04	Plate, Indicator
27	54490	5009737	G	18-Mar-04	Light Interference Filter (LIF) Assembly
28	54490	5009738	R	11-Nov-05	Light Interference Filter (LIF)
29	80063	A3140640	-	13-Sep-89	COC Filter

30	80063	A3140641	A	29-Jul-04	Holder, Filter
31	80063	A3140642	B	29-Jul-04	Coated Filter, COC
32	80063	A3140643	-	13-Sep-89	Packing, Preformed
33	80063	A3144258	V	17-May-07	Goggle Assembly, PVS 7-B and PVS 7-D
34	80063	A3144261	AB	3-Jan-07	Goggle Assembly
35	80063	A3144263	D	5-Oct-04	Demist Shield Assembly
36	80063	A3144264	G	6-Oct-04	Window, Sacrificial Assembly
37	80063	A3144267	D	6-Oct-04	Strap, Shoulder Assembly
38	80063	A3144268	H	6-Oct-04	Headmount Assembly
39	80063	A3144269	B	27-Dec-95	Window Demisting
40	80063	A3144270	B	14-Oct-93	Housing, Demist Shield
41	80063	A3144271	A	27-Apr-92	Ring Retainer, Demist Shield
42	80063	A3144272	E	9-Mar-05	Holder, Sacrificial Window
43	80063	A3144273	C	5-Oct-04	Window
44	80063	A3144274	L	6-Oct-04	Adhesive, Structural
45	80063	A3144275	C	6-Oct-04	Primer, Seal
46	80063	A3144279	E	9-Mar-05	Headband Assembly, Fastener
47	80063	A3144280	H	9-Mar-05	Browpad Assembly, Thin
48	80063	A3144282	L	18-Mar-04	Container/Wrench, Objective Filter
49	80063	A3144286	E	9-Mar-05	Chinstrap Assembly
50	80063	A3144287	F	10-Mar-05	Tiebar
51	80063	A3144289	H	9-Mar-05	Socket, Mounting Assembly
52	80063	A3144290	H	10-Mar-05	Neckpad Assembly
53	80063	A3144291	D	5-Oct-04	Browpad Attachment
54	80063	A3144292	E	10-Mar-05	Strap Assembly, Elev
55	80063	A3144293	F	10-Mar-05	Strap Assembly, Narrow
56	80063	A3144294	F	6-Oct-04	Tape, Photo
57	80063	A3144295	D	10-Mar-05	Brace, Headband
58	80063	A3144296	D	5-Oct-04	Snap Assembly
59	80063	A3144297	G	5-Oct-04	Shaft, Slide
60	80063	A3144298	D	5-Oct-04	Body Release
61	80063	A3144299	F	5-Oct-04	Bushing, Release
62	80063	A3144300	E	5-Oct-04	Button, Release
63	80063	A3144301	E	5-Oct-04	Spring, Grip
64	80063	A3144302	F	6-Oct-04	Magnet, Permanent
65	80063	A3144303	E	5-Oct-04	Catch
66	80063	A3144304	F	10-Mar-05	Socket, Mounting
67	80063	A3144305	M	7-Jun-06	Objective Lens
68	80063	A3144306	H	7-Jun-06	Cord, Neck
69	80063	A3144310	F	27-Dec-95	Rear Cover Assembly
70	80063	A3144311	K	7-May-04	Label, Warranty
71	80063	A3144312	H	7-Jun-06	Identification Plate, Goggle
72	80063	A3144314	B	5-Nov-92	Washer, Flat
73	80063	A3144315	E	10-Mar-05	Screw, Purge
74	80063	A3144316	D	10-Mar-05	Packing, Preformed
75	80063	A3144318	G	10-Mar-05	Cap, Lens
76	80063	A3144320	G	10-Mar-05	Focus Knob
77	80063	A3144322	D	5-Oct-04	Close Focus Stop
78	80063	A3144323	E	11-Nov-05	Packing, Preformed
79	80063	A3144326	D	6-Oct-04	Buckle

80	80063	A3144354	D	10-Mar-05	Headband (Molded)
81	80063	A3144360	D	10-Mar-05	Headband Assembly, Inserts
82	80063	A3144361	E	5-Oct-04	Chin Cup
83	80063	A3144362	E	6-Oct-04	Webbing, Chinstrap
84	80063	A3144363	D	6-Oct-04	Webbing
85	80063	A3144394	P	7-Mar-08	Battery Cap Assembly
86	80063	A3144396	F	10-Mar-05	Spring, Battery Cap
87	80063	A3144401	D	10-May-04	Knob, Switch
88	80063	A3144404	F	10-Mar-05	Knob, Assembly
89	80063	A3144405	E	10-May-04	Lock Pin, Switch Knob
90	80063	A3144406	E	6-Oct-04	Decal, Switch Knob
91	80063	A3144422	F	5-Jan-07	Eyecup, Molded Assembly
92	80063	A3144423	D	10-May-04	Back-up Ring, Eyecup
93	80063	A3144432	D	18-Mar-04	Thermoplastic Resin (Ultem)
94	80063	A3144435	J	10-Mar-05	Browpad Assembly, Medium
95	80063	A3144436	J	10-Mar-05	Browpad Assembly, Thick
96	80063	A3144438	E	6-Oct-04	Webbing Snap
97	80063	A3144443	A	23-Apr-92	Catch Adjusting Fixture Assembly
98	80063	A3144455	C	6-Oct-04	Buckle, Strap Shoulder
99	80063	A3144456	E	10-May-04	Snaphook
100	80063	A3144457	D	6-Oct-04	Coating, Polyvinyl Chloride
101	80063	A3144458	C	6-Oct-04	Vinyl Coating
102	80063	A3144460	C	14-Mar-97	Plate, Identification Case
103	80063	A3144462	V	10-Mar-05	Adhesive, Threadlocking
104	80063	A3172531	H	2-Mar-05	Collimator, AN/PVS-7B/D
105	80063	A3172540	B	11-Nov-05	Rear Cover
106	80063	A3172541	J	13-May-04	Adhesive, Ultraviolet Curable
107	80063	A3172542	H	14-May-04	Activator
108	80063	A3172545	B	10-May-04	Window, Sacrificial (Alternate)
109	80063	A3187392	J	9-Mar-05	Case, Carrying
110	80063	A3187430	C	14-Oct-04	Compass Assembly
111	80063	A3187441	C	14-Oct-04	IR Spot/Flood Assembly
112	80063	A3187445	E	29-Apr-10	3X Magnifier Lens
113	80063	A3187446	D	11-Nov-05	Adapter, 3X Magnifier
114	80063	A3187447	C	11-Nov-05	Lens Cap, Flip Up 3X Magnifier
115	80063	A3187448	E	11-Nov-05	Pouch, 3X Magnifier
116	80063	A3187450	F	13-Oct-04	Image Intensifier Assembly, MX-10130()/UV
117	80063	A3202841	C	15-Oct-98	Nape Strap Assembly
118	80063	A3202846	B	13-Oct-04	Molding Material, Thermoplastic Elastomer
119	80063	A3202851	E	10-Mar-05	Knob, Switch
120	80063	A3202853	-	2-May-94	Ring, Retainer, Demist Shield (Alternate)
121	80063	A3202854	-	5-May-94	Housing, Demist Shield (Alternate)
122	80063	A3202857	-	5-May-94	Window, Demisting (Alternate)
123	80063	A3202864	B	10-Mar-05	Molding Material, Thermoplastic Elastomer
124	80063	A3202867	B	10-Mar-05	Primer
125	80063	A3202874	D	5-Oct-04	Warranty Label
126	80063	A3202876	-	2-May-94	Packing Preformed
127	80063	A3202883	F	10-Mar-05	Headband-Molded
128	80063	A3207330	W	19-Jan-10	Wired Housing Assembly
129	80063	A3256337	F	17-May-07	AN/PVS-14 MNVD

130	80063	A3256340	J	10-Mar-05	Monocular Assembly
131	80063	A3256341	K	19-Jan-10	Monocular Housing Assembly
132	80063	A3256342	C	3-Sep-09	Objective Lens Assembly
133	80063	A3256343	B	10-Mar-05	Battery Housing Assembly
134	80063	A3256344	B	10-Mar-05	Battery Cartridge
135	80063	A3256347	C	11-Nov-05	Head/Helmet Mount Adapter
136	80063	A3256348	C	10-Mar-05	Weapon Mount
137	80063	A3256350	G	10-Mar-05	Image Intensifier, Var. Gain
138	80063	A3256351	C	10-Mar-05	Knob Assembly, Variable Gain
139	80063	A3256353	C	10-Mar-05	Demist Shield Assembly
140	80063	A3256354	D	10-Mar-05	Adapter, Eyepiece Assembly
141	80063	A3256356	B	10-Mar-05	O-Ring, Battery Housing
142	80063	A3256357	C	6-Oct-04	Set Screw
143	80063	A3256358	E	7-Jun-06	Light Pipe
144	80063	A3256360	C	14-Oct-04	Lock Ring, Objective
145	80063	A3256364	E	6-Oct-06	Objective Cell Assembly
146	80063	A3256368	D	27-Aug-07	Helmet, Mount Assembly
147	80063	A3256370	A	10-Mar-05	Rear Clip
148	80063	A3256371	D	1-Jul-08	Front Bracket Assembly
149	80063	A3256372	A	10-Mar-05	Tension Adjustment/Latch Assembly
150	80063	A3256387	D	13-Oct-04	Night Vision Goggle Set, AN/PVS-7D
151	80063	A3256388	D	13-Oct-04	Image Intensifier Assembly, MX-10130D/UV
152	80063	A3256391	E	11-Nov-05	Lens Assembly, 3X MX-11683/U
153	80063	A3260933	C	10-Mar-05	Cord, Retainer
154	80063	A3260939	G	4-Dec-08	Battery Cap, Retainer Kit
155	80063	A3260940	B	5-Oct-04	Lens Cap Flip Up 3X Magnifier
156	80063	A3264345	E	10-Mar-05	Identification. Plate, Case
157	80063	A3264346	B	10-May-04	Cushion, Side
158	80063	A3264347	B	10-May-04	Cushion, End
159	80063	A3264348	B	10-May-04	Cushion, Bottom
160	80063	A3264349	B	5-Oct-04	Cushion, Top
161	80063	A3264350	D	10-Mar-05	Case Assembly, Shipping & Storage
162	80063	A3264351	C	5-Oct-04	Cushion, Strap Assembly
163	80063	A3264352	F	7-Jun-06	Wired Housing
164	80063	A3264354	E	7-Jun-06	Plate, ID
165	80063	A3264355	E	10-Oct-04	Label, Warranty
166	80063	A3264357	F	7-Jun-06	Battery Housing Sub-Assembly
167	80063	A3264361	B	18-May-04	Adhesive, Structural
168	80063	A3264362	C	11-Nov-05	Image Intensifier Assembly, MX-10130D/UV High Performance
169	80063	A3264363	B	14-Oct-04	Image Intensifier Assembly, MX-11769/UV High Performance
170	80063	A3277667	A	14-Oct-04	Thermoplastic Polyurethane Resin
171	80063	A3279400	B	13-Oct-04	Image Intensifier Assembly, MX-10130E/UV
172	80063	A3279605	A	27-Jun-06	Dioptr Scope Assembly
173	80063	A3279606	C	03-May-09	Finder Scope
174	80063	A3279607	A	8-Jun-06	Ring Mount Assembly
175	80063	A3279608	A	19-Feb-09	Mounting Adapter
176	80063	A3297290	B	1-Jul-08	Image Intensifier Assembly, MX-10130D/UV High Performance
177	80063	A3297300	B	11-Nov-05	Image Intensifier Assembly, MX-10130D/UV High Performance

					Performance
178	80063	A3297307	E	26-Jan-10	Kit, Front Bracket Assembly, ACH/CVC
179	80063	A3297308	C	26-Jan-10	Front Bracket Assembly, ACH/CVC
180	80063	A3297309	B	2-Feb-07	Battery Housing Assembly
181	80063	A3297310	B	6-Dec-07	Image Intensifier, MX-11769/UV High Performance
182	80063	A3297311	D	22-Feb-10	Battery Housing Subassembly
183	80063	A3297312	-	21-Dec-04	Battery Cap Assembly
184	80063	A3297313	A	1-Jul-08	Knob Assembly, Variable Gain
185	80063	A3297314	-	9-Mar-05	Insert, Thread
186	80063	A3297315	-	28-Jan-10	Screw, Ballistic, Front Bracket
187	80063	A3297316	-	3-Sep-09	Packing, Preformed
188	80063	A3297319	A	5-Feb-08	Battery Housing Subassembly
189	80063	A3297320	D	8-Oct-09	Image Intensifier, MX-11769/UV High Performance
190	80063	QAP A3140670	-	24-Jul-90	QAP Case, Shipping and Storage
191	80063	QAP A3140777	-	12-Jul-90	QAP Grip, Eyepiece
192	80063	QAP A3144263	B	31-May-94	QAP Demist Shield Assembly
193	80063	QAP A3144264	A	5-Nov-92	QAP Window, Sacrificial Assembly
194	80063	QAP A3144268	B	1-May-01	QAP Headmount Assembly
195	80063	QAP A3144394	C	26-Sep-01	QAP Battery Cap Assembly
196	80063	QAP A3144404	B	31-May-94	QAP Knob, Assembly
197	80063	QAP A3187392	-	13-Jul-94	QAP Case, Carrying
198	80063	QAP A3187430	-	9-Jan-95	QAP Compass Assembly
199	80063	QAP A3187441	A	23-Feb-95	QAP IR Spot/Flood Assembly
200	80063	QAP A3207330	D	1-May-01	QAP Wired Housing Assembly
201	80063	QAP A3256341	A	6-Jan-09	QAP Monocular Housing Assembly
202	80063	QAP A3256343	-	18-Jul-99	QAP Battery Housing Assembly
203	80063	QAP A3256344	-	18-Jul-99	QAP Battery Cartridge
204	80063	QAP A3256347	A	17-Mar-04	QAP Head/Helmet Mount Adapter
205	80063	QAP A3256348	-	18-Jul-99	QAP Weapon Mount
206	80063	QAP A3256351	A	14-Apr-03	QAP Knob Assembly, Variable Gain
207	80063	QAP A3256353	-	18-Jul-99	QAP Demist Shield Assembly
208	80063	QAP A3256368	A	18-May-07	QAP Helmet, Mount Assembly
209	80063	QAP A3297309	A	2-Feb-07	QAP Battery Housing Assembly
210	80063	QAP A3297312	-	21-Dec-04	QAP Battery Cap Assembly
211	80063	QAP A3297313	-	21-Dec-04	QAP Knob Assembly, Variable Gain
212	80063	SM-A-653097	B	26-Mar-01	Grease, Aircraft and Instrument
213	80063	SM-B-657374	F	19-Mar-01	Plastic/Hard Anodize Coating
214	80063	SM-C-657451	B	17-Oct-85	Purge Adapter

J.4 - TEST REQUIREMENTS

The following tables outline the test groups, test frequency, and sampling plans for conformance inspections and 100% unit acceptance tests for each image intensifier assembly and system type being procured under this solicitation. The contractor shall perform inspections and tests for all other spares component assemblies being procured under this solicitation in accordance with the applicable drawings and Quality Assurance Provisions (QAPs). When Initial Production Test (IPT) is required, the contractor shall test to all requirements of the applicable Performance Specification as necessary and agreed to by the IPPT to verify compliance to specification requirements for all characteristics of the product affected by the changes. The contractor shall use these tables for establishment of their Quality Validation Plan (QVP) as called out in paragraph 3.4.2 of this SOW.

Those tests in the following tables that are marked with an “*” shall be performed as pre-tests and post-tests for each test outlined in Group C (Subgroup 2 for image intensifier assemblies and Subgroup 1 for systems) and Group D.

MX-11769 Test Requirements

<i>Test</i>	<i>Requirement</i>	<i>Freq.</i>	<i>Sample</i>
Inspections			
Parts and materials	3.3.2	M	100%
Power supply	3.3.3.1	M	100%
Input faceplate	3.3.3.4	M	100%
Identification and marking *	3.3.6	M	100%
Workmanship *	3.3.7	M	100%
Group A			
Shear distortion	3.3.3.2.1	M	100%
Gross distortion	3.3.3.2.2	M	100%
Image inversion	3.3.3.2.3	M	100%
Chicken wire	3.3.3.2.4	M	100%
Surface finish	3.3.3.2.5	M	100%
Ion barrier film quality	3.3.3.3.1	M	100%
Chrome	3.3.4	M	100%
Photocathode sensitivity	3.4.1	M	100%
EBI *	3.4.2	M	100%
Luminance gain *	3.4.3	M	100%
SNR *	3.4.6	M	100%
Center resolution *	3.4.10.1	M	100%
Peripheral resolution	3.4.10.2	M	100%
High light center resolution	3.4.10.3	M	100%
Screen quality *	3.4.13	M	100%
ESS	3.4.16.1	M	100%
Group B			
Multi-to-multi pattern variation	3.4.7.1	M	Level I, 1.5%
Multi-boundary pattern noise	3.4.7.2	M	Level I, 1.5%
Output brightness uniformity *	3.4.8	M	Level I, 1.5%
Group C			
Subgroup 1			
Halo	3.4.4	M	Level I, 2.5%
BSP	3.4.5	M	Level I, 2.5%
Image alignment	3.4.9	M	Level I, 2.5%
MTF	3.4.11	M	Level I, 2.5%
UCD	3.4.12	M	Level I, 2.5%
Luminance persistence	3.4.14	M	Level I, 2.5%
Veiling glare off-axis	3.4.15	M	Level I, 2.5%
Turn-on/operational stability	3.4.20	M	Level I, 2.5%
Subgroup 2 (Tested in order listed)			
Vibration	3.4.16.2	M	Level S-4, 1.5%
Shock	3.4.16.3	M	Level S-4, 1.5%
Temperature extremes	3.4.16.4	M	Level S-4, 1.5%
Humidity	3.4.16.5	M	Level S-4, 1.5%
Group D			
Reliability	3.4.18	M	Five tubes

<i>Test</i>	<i>Requirement</i>	<i>Freq.</i>	<i>Sample</i>
Storage Life	3.4.19	M	Five tubes
EMI	3.4.17	A	Three tubes

MX-10130 Test Requirements

<i>Test</i>	<i>Requirement</i>	<i>Freq.</i>	<i>Sample</i>
Inspections			
Parts and materials	3.3.2	M	100%
Power supply	3.3.3.1	M	100%
Surface finish	3.3.3.2.4	M	100%
Input faceplate	3.3.3.3	M	100%
Identification and marking *	3.3.4	M	100%
Workmanship *	3.4	M	100%
Group A			
Shear distortion	3.3.3.2.1	M	100%
Gross distortion	3.3.3.2.2	M	100%
Chicken wire	3.3.3.2.3	M	100%
Ion barrier film quality	3.3.3.4	M	100%
Photocathode sensitivity	3.5.1	M	100%
EBI *	3.5.2	M	100%
Luminance gain *	3.5.3	M	100%
SNR *	3.5.6	M	100%
Chrome inspection	3.5.9	M	100%
Center resolution *	3.5.10.1	M	100%
Peripheral resolution	3.5.10.2	M	100%
High light center resolution	3.5.10.3	M	100%
Bright spots *	3.5.13.1	M	100%
Dark spots *	3.5.13.2	M	100%
ESS	3.5.16.1	M	100%
Group B			
Multi-to-multi pattern variation	3.5.7.1	M	Level I, 1.5%
Multi-boundary pattern noise	3.5.7.2	M	Level I, 1.5%
Output brightness uniformity *	3.5.8	M	Level I, 1.5%
Group C			
Subgroup 1			
Halo	3.5.4	M	Level I, 2.5%
BSP	3.5.5	M	Level I, 2.5%
MTF	3.5.11	M	Level I, 2.5%
UCD	3.5.12	M	Level I, 2.5%
Luminance persistence	3.5.14	M	Level I, 2.5%
Veiling glare off-axis	3.5.15	M	Level I, 2.5%
Turn-on/operational stability	3.5.20	M	Level I, 2.5%
Subgroup 2 (Tested in order listed)			
Vibration	3.5.16.2	M	Level S-4, 1.5%
Shock	3.5.16.3	M	Level S-4, 1.5%

<i>Test</i>	<i>Requirement</i>	<i>Freq.</i>	<i>Sample</i>
Temperature extremes	3.5.16.4	M	Level S-4, 1.5%
Humidity	3.5.16.5	M	Level S-4, 1.5%
Group D			
Reliability	3.5.18	M	Five tubes
Storage life	3.5.19	M	Five tubes
EMI	3.5.17	A	Three tubes

AN/PVS-14 Test Requirements

<i>Test</i>	<i>Requirement</i>	<i>Freq.</i>	<i>Sample</i>
Inspections			
Parts and materials	3.3.1, 3.3.2	M	100%
Finishes	3.3.6	M	100%
Workmanship *	3.3.7	M	100%
Marking *	3.3.8	M	100%
Head mount / helmet mount	3.4.1.2	M	100%
Group A			
Electrical/Switch *	3.4.1.1	M	100%
Resolution - Far focus *	3.4.2.4.4.1	M	100%
Resolution - Close focus *	3.4.2.4.4.2	M	100%
Focus adjustment *	3.4.2.4.6	M	100%
Light emitting diode *	3.4.2.4.12	M	100%
LED indicator *	3.4.2.4.13	M	100%
Low voltage indicator *	3.4.2.4.14	M	100%
High light cut-off *	3.4.2.4.16	M	100%
Group B			
Brightness gain *	3.4.2.4.11	M	Level I, 1.5%
Off-axis veiling glare	3.4.2.4.5	Q	Level S-4, 1.5%
Group C			
Subgroup 1 (Tested in order listed)			
Vibration	3.4.3.9	M	Level S-4, 1.5%
Temperature extremes	3.4.3.1	M	Level S-4, 1.5%
Immersion	3.4.3.4	M	Level S-4, 1.5%
Humidity	3.4.3.3	M	Level S-4, 1.5%
Subgroup 2			
Temperature altitude	3.4.3.2	Q	Level S-4, 1.5%
Weapon shock	3.4.3.12	Q	Level S-4, 1.5%
Group D			
Reliability	3.4.5	Q	Five systems
EMI	3.4.	A	Three systems
Audibility	3.4.2.4.9	A	Three systems

AN/PVS-7 Test Requirements

<i>Test</i>	<i>Requirement</i>	<i>Freq.</i>	<i>Sample</i>
Inspections			
Parts and materials	3.3.1, 3.3.2	M	100%
Finishes	3.3.6	M	100%
Workmanship *	3.3.7	M	100%
Marking *	3.3.8	M	100%
Goggle / Head Mount	3.4.1.3	M	100%
Group A			
Electrical/Switch *	3.4.1.1	M	100%
Interpupillary adjustment *	3.4.1.2	M	100%
Resolution - Far focus *	3.4.2.4.1	M	100%
Resolution - Close focus *	3.4.2.4.2	M	100%
Collimation	3.4.2.5	M	100%
Focus adjustment *	3.4.2.6	M	100%
LED / LED indicator *	3.4.2.8, 3.4.2.9	M	100%
High light cut-off *	3.4.2.10	M	100%
Low voltage indicator *	3.4.2.11	M	100%
Image stability *	3.4.2.14	M	100%
Group B			
Objective torque *	3.3.4.5	M	Level I, 1.5%
Flange focal distance	3.3.4.6	M	Level I, 1.5%
Diopter focus	3.3.4.8	M	Level I, 1.5%
Eyepiece torque *	3.3.4.9	M	Level I, 1.5%
Brightness gain *	3.4.2.7	M	Level I, 1.5%
Veiling glare off-axis	3.4.2.12	Q	Level S-4, 1.5%
Group C			
Subgroup 1 (Tested in order listed)			
Vibration	3.4.3.4	M	Level S-4, 1.5%
Temperature extremes	3.4.3.1	M	Level S-4, 1.5%
Immersion	3.4.3.8	M	Level S-4, 1.5%
Humidity	3.4.3.3	M	Level S-4, 1.5%
Subgroup 2			
Temperature altitude	3.4.3.2	Q	Level S-4, 1.5%
Group D			
Reliability	3.4.5	B	Five systems
EMI	3.4.4	A	Three systems
Audibility	3.4.2.16	A	Three systems

(End of Summary of Changes)