

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE U		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. PD0001		3. EFFECTIVE DATE 29-Sep-2011		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO. (If applicable)	
6. ISSUED BY DARPA CMO ATTN: NATALY STUARD 3701 N. FAIRFAX DR ARLINGTON VA 22203-1714		CODE HR0011		7. ADMINISTERED BY (If other than item 6) DCMA PHOENIX TWO RENAISSANCE SQUARE 40 NORTH CENTRAL AVE., SUITE 400 PHOENIX AZ 85004-4424		CODE S0302A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) HONEYWELL INTERNATIONAL INC 9201 SAN MATEO BLVD. NE ALBUQUERQUE NM 87113-2227				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HR0011-11-C-0138			
				X 10B. DATED (SEE ITEM 13) 23-Sep-2011			
CODE 07187		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) See Schedule							
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) 52.232-22 Limitation of Funds							
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: evessll111318 Pursuant to 52.232-22, the purpose of this modification is to incrementally fund \$267,000 to CLIN 0001, in accordance to AO No. 8822/01							
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) STUARD, NATALY / PCO TEL: _____ EMAIL: Tina.Stuard@darpa.mil			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA BY (b)(6) (Signature of Contracting Officer)		16C. DATE SIGNED 29-Sep-2011	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

The following have been modified as highlighted in bold:

1) SECTION B - SUPPLIES OR SERVICES AND PRICES

a) SUBCLIN 000102 is added as follows:

ITEM NO	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL EST. COST PLUS FIXED FEE
000102		\$0.00	\$0.00	\$0.00
	Funding for Avionics Backbone CPFF FOB: Destination AO No. 8822/01			\$0.00
	ACRN AB			\$267,000.00

2) SECTION G - CONTRACT ADMINISTRATION DATA

a) Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was **increased by \$267,000.00** from \$500,000.00 to **\$767,000.00**.

b) SUBCLIN 000102:

Funding on SUBCLIN 000102 is initiated as follows:

ACRN: AB

CTN: 00000000000000000000000000000000

Acctng Data: 9710400 1320 8822 P1P30 2525 DPAC 1 5416 S12136 63767E

Increase: \$267,000.00

Total: \$267,000.00

c) G-6 Incremental Funding

(a) This contract shall be subject to incremental funding with **\$767,000** presently made available for performance under this contract. It is estimated that the funds presently available are sufficient to permit the Contractor's performance through February 29, 2012. Except in accordance with the Section I clause FAR 52.232-22, "Limitation of Funds," no legal liability of the part of the Government for payment of any money in excess of

\$767,000 shall arise unless and until additional funds are made available by the Contracting Officer through a modification to this contract.
(end of clause)

3) Except as modified above, the terms and conditions of Contract No. HR0011-11-C-0138 shall remain unchanged and in full force and effect.

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE U		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. P00002		3. EFFECTIVE DATE 26-Oct-2011		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO. (If applicable)	
6. ISSUED BY DARPA CMO ATTN: NATALY STUARD 3701 N. FAIRFAX DR ARLINGTON VA 22203-1714		CODE HR0011		7. ADMINISTERED BY (If other than item 6) DCMA PHOENIX TWO RENAISSANCE SQUARE 40 NORTH CENTRAL AVE., SUITE 400 PHOENIX AZ 85004-4424		CODE S0302A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) HONEYWELL INTERNATIONAL INC 9201 SAN MATEO BLVD. NE ALBUQUERQUE NM 87113-2227				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HR0011-11-C-0138			
				X 10B. DATED (SEE ITEM 13) 23-Sep-2011			
CODE 07187		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) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/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) 52.232-22 Limitation of Funds							
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: evessill1262 Pursuant to FAR 52.232-22, the purpose of this modification is to incrementally fund \$406,671 to CLIN 0001, in accordance to AO No. 8670/01.							
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) STUARD, NATALY / PCO			
				TEL: EMAIL: Tina.Stuard@darpa.mil			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA BY (b)(6)		16C. DATE SIGNED 26-Oct-2011	
(Signature of person authorized to sign)				(Signature of Contracting Officer)			

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

The following have been modified as highlighted in bold:

1) SECTION B - SUPPLIES OR SERVICES AND PRICES

a) SUBCLIN 000103 is added as follows:

ITEM NO	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL EST. COST PLUS FIXED FEE
000103		\$0.00	\$0.00	\$0.00
	Funding for Avionics Backbone CPFF FOB: Destination AO No. 8670/01			\$0.00
	ACRN AC			\$406,671.00

2) SECTION G - CONTRACT ADMINISTRATION DATA

a) Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was **increased by \$406,671.00** from \$767,000.00 to **\$1,173,671.00**.

b) SUBCLIN 000103:

Funding on SUBCLIN 000103 is initiated as follows:

ACRN: AC

CTN: 00000000000000000000000000000000

Acctng Data: 9720400 1320 8670 P2P30 2525 DPAC 2 5090 S12136 63767E

Increase: \$406,671.00

Total: \$406,671.00

c) G-6 Incremental Funding

(a) This contract shall be subject to incremental funding with **\$1,173,671** presently made available for performance under this contract. It is estimated that the funds presently available are sufficient to permit the Contractor's performance through March 29, 2012. Except in accordance with the Section I clause FAR 52.232-22, "Limitation of Funds," no legal liability of the part of the Government for payment of any money in excess of **\$1,173,671** shall arise unless and until additional funds are made available by the Contracting Officer through a modification to this contract.

(end of clause)

3) Except as modified above, the terms and conditions of Contract No. HR0011-11-C-0138 shall remain unchanged and in full force and effect.

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE U		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. P00003		3. EFFECTIVE DATE 22-Nov-2011		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO. (If applicable)	
6. ISSUED BY DARPA CMO ATTN: NATALY STUARD 3701 N. FAIRFAX DR ARLINGTON VA 22203-1714		CODE HR0011		7. ADMINISTERED BY (If other than item 6) DCMA PHOENIX TWO RENAISSANCE SQUARE 40 NORTH CENTRAL AVE., SUITE 400 PHOENIX AZ 85004-4424		CODE S0302A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) HONEYWELL INTERNATIONAL INC 9201 SAN MATEO BLVD. NE ALBUQUERQUE NM 87113-2227				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HR0011-11-C-0138			
				X 10B. DATED (SEE ITEM 13) 23-Sep-2011			
CODE 07187		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) See Schedule							
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) 52.232-22 Limitation of Funds							
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: evessill12162 Pursuant to FAR 52.232-22, the purpose of this modification is to incrementally fund \$506,664 to CLIN 0001, in accordance with AO No. 8670/02.							
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) STUARD, NATALY / PCO TEL: _____ EMAIL: Tina.Stuard@darpa.mil			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA BY (b)(6) (Signature of Contracting Officer)		16C. DATE SIGNED 22-Nov-2011	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

The following have been modified as highlighted in bold:

1) SECTION G - CONTRACT ADMINISTRATION DATA

a) Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was **increased by \$506,664.00** from \$1,173,671.00 to **\$1,680,335.00**.

h) SUBCLIN 000103:

AC: 9720400 1320 8670 P2P30 2525 DPAC 2 5090 S12136 63767E (CIN 00000000000000000000000000000000) was **increased by \$506,664.00** from \$406,671.00 to **\$913,335.00**

c) G-6 Incremental Funding

(a) This contract shall be subject to incremental funding with **\$1,680,335** presently made available for performance under this contract. It is estimated that the funds presently available are sufficient to permit the Contractor's performance through June 29, 2012. Except in accordance with the Section I clause FAR 52.232-22, "Limitation of Funds," no legal liability of the part of the Government for payment of any money in excess of **\$1,680,335** shall arise unless and until additional funds are made available by the Contracting Officer through a modification to this contract.

(end of clause)

2) Except as modified above, the terms and conditions of Contract No. HR0011-11-C-0138 shall remain unchanged and in full force and effect.

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE U		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. P00004		3. EFFECTIVE DATE 06-Feb-2012		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY DARPA CMO ATTN: NATALY STUARD 3701 N. FAIRFAX DR ARLINGTON VA 22203-1714		CODE HR0011		7. ADMINISTERED BY (If other than item 6) DCMA PHOENIX TWO RENAISSANCE SQUARE 40 NORTH CENTRAL AVE., SUITE 400 PHOENIX AZ 85004-4424		CODE S0302A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) HONEYWELL INTERNATIONAL INC. 9201 SAN MATEO BLVD. NE ALBUQUERQUE NM 87113-2227				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HR0011-11-C-0138			
				X 10B. DATED (SEE ITEM 13) 23-Sep-2011			
CODE 07187		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) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/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) 52.232-22 Limitation of Funds							
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: evessill12460 Pursuant to FAR 52.232-22, the purpose of this modification is to add funds of \$1,769,560 which will fully fund CLIN 0001, in accordance with AO No. 8670/03/04 and to revise Section G.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) STUARD, NATALY / PCO TEL: _____ EMAIL: Tina.Stuard@darpa.mil			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA BY (b)(6) (Signature of Contracting Officer)		16C. DATE SIGNED 06-Feb-2012	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

The following items are applicable to this modification:

SUMMARY OF CHANGES

1) SECTION B - SUPPLIES OR SERVICES AND PRICES

a) SUBCLIN 000104 is added as follows:

ITEM NO	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL EST. COST PLUS FIXED FEE
000104		\$0.00	\$0.00	\$0.00
	Funding for Avionics Backbone CPFF FOB: Destination AO No. 8670/04			\$0.00
	ACRN AD			\$793,137.00

2) SECTION G - CONTRACT ADMINISTRATION DATA

a) Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was **increased by \$1,769,560.00** from \$1,680,335.00 to **\$3,449,895.00**.

b) SUBCLIN 000103:

AC: 9720400 1320 8670 P2P30 2525 DPAC 2 5090 S12136 63767E (CIN 00000000000000000000000000000000) was **increased by \$976,423.00** from \$913,335.00 to **\$1,889,758.00**

c) SUBCLIN 000104:

Funding on SUBCLIN 000104 is initiated as follows:

ACRN: AD

CIN: 00000000000000000000000000000000

Acctng Data: 97 1 0400 56SA SR 6T01 24CM3A 2516 OCDT AMSCO 24CM3A CRN MIPR1ADARRV006 JONO 1DTDVE S23204

Increase: \$793,137.00

Total: \$793,137.00

d) G-5 **252.204-0004 Line Item Specific: by Fiscal Year (SEP 2009)**

(a) The payment office will make payment using the oldest fiscal year appropriations first, exhausting all funds in the previous fiscal year before disbursing from the next fiscal year. In the event there is more than one ACRN associated with the same fiscal year, the payment amount shall be disbursed from each ACRN within a fiscal year in the same proportion as the amount of funding obligated for each ACRN within the fiscal year.
(end of clause)

2) Except as modified above, the terms and conditions of Contract No. HR0011-11-C-0138 shall remain unchanged and in full force and effect.

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE U		PAGE OF PAGES 1 6	
2. AMENDMENT/MODIFICATION NO. P00005		3. EFFECTIVE DATE 03-May-2012		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY DARPA CMO ATTN: NATALY STUARD 675 N. RANDOLPH STREET ARLINGTON VA 22203-2114		CODE HR0011		7. ADMINISTERED BY (If other than item 6) DCMA PHOENIX TWO RENAISSANCE SQUARE 40 NORTH CENTRAL AVE., SUITE 400 PHOENIX AZ 85004-4424		CODE S0302A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) HONEYWELL INTERNATIONAL INC. 9201 SAN MATEO BLVD. NE ALBUQUERQUE NM 87113-2227				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				<input checked="" type="checkbox"/> 10A. MOD. OF CONTRACT/ORDER NO. HR0011-11-C-0138			
				<input checked="" type="checkbox"/> 10B. DATED (SEE ITEM 13) 23-Sep-2011			
CODE 07187		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 CONTRACTS/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.							
<input checked="" type="checkbox"/> 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: evessill12844 Pursuant to FAR 43.103(b), the purpose of this modification is to update Government Points of Contact in Section F and to update clauses in Section I. Specific changes to the contract are as follows.							
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)			
				STUARD, NATALY / PCO			
				TEL: EMAIL: Tina.Stuard@darpa.mil			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				BY (b)(6)		03-May-2012	
				(Signature of Contracting Officer)			

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

The following items are applicable to this modification:

SUMMARY OF CHANGES

The following have been modified as highlighted in bold:

1) SECTION F - DELIVERIES OR PERFORMANCE

a) The following Delivery Schedule item for **CLIN 0001** has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 23-SEP-2011 TO 23-SEP-2012	N/A	AVIATION APPLIED TECHNOLOGY DIRECTORATE BRIAN C. STEHLE BLDG 401 LEE BLVD. FT EUSTUS VA 23604-5577 (757) 878-3299 EXT 256 FOB: Destination	W911W6

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 23-SEP-2011 TO 23-SEP-2012	N/A	AVIATION APPLIED TECHNOLOGY DIRECTORATE JUSTIN HIGHLEY MAJ, AV – APM SENSORS AND WEAPONS TECHNOLOGY APPLICATIONS PROGRAM OFFICE BLDG 401 LEE BLVD. FT EUSTIS VA 23604 (757) 878-3299 EXT 363 FOB: Destination	W911W6

b) The following Delivery Schedule item for **CLIN 0002** has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 23-SEP-2012 TO 23-MAR-2013	N/A	AVIATION APPLIED TECHNOLOGY DIRECTORATE BRIAN C. STEHLE BLDG 401 LEE BLVD. FT EUSTUS VA 23604-5577 (757) 878-3299 EXT 256 FOB: Destination	W911W6

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 23-SEP-2012 TO 23-MAR-2013	N/A	AVIATION APPLIED TECHNOLOGY DIRECTORATE JUSTIN HIGHLEY MAJ, AV – APM SENSORS AND WEAPONS TECHNOLOGY APPLICATIONS PROGRAM OFFICE BLDG 401 LEE BLVD. FT EUSTIS VA 23604 (757) 878-3299 EXT 363 FOB: Destination	W911W6

c) The following Delivery Schedule item for **CLIN 0003** has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 23-SEP-2012 TO 23-MAR-2013	N/A	AVIATION APPLIED TECHNOLOGY DIRECTORATE BRIAN C. STEHLE BLDG 401 LEE BLVD. FT EUSTUS VA 23604-5577 (757) 878-3299 EXT 256 FOB: Destination	W911W6

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 23-SEP-2012 TO 23-MAR-2013	N/A	AVIATION APPLIED TECHNOLOGY DIRECTORATE JUSTIN HIGHLEY MAJ, AV – APM SENSORS AND WEAPONS TECHNOLOGY APPLICATIONS PROGRAM OFFICE BLDG 401 LEE BLVD. FT EUSTIS VA 23604 (757) 878-3299 EXT 363 FOB: Destination	W911W6

d) The following Delivery Schedule item for **CLIN 0004** has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 23-SEP-2012 TO 23-MAR-2013	N/A	AVIATION APPLIED TECHNOLOGY DIRECTORATE BRIAN C. STEHLE BLDG 401 LEE BLVD. FT EUSTUS VA 23604-5577 (757) 878-3299 EXT 256 FOB: Destination	W911W6

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 23-SEP-2012 TO 23-MAR-2013	N/A	AVIATION APPLIED TECHNOLOGY DIRECTORATE JUSTIN HIGHLEY MAJ, AV – APM SENSORS AND WEAPONS TECHNOLOGY APPLICATIONS PROGRAM OFFICE BLDG 401 LEE BLVD. FT EUSTIS VA 23604 (757) 878-3299 EXT 363 FOB: Destination	W911W6

e) F-3 Report Distribution

(a) DARPA/STO

Attn: H. Bruce Wallace
 3701 North Fairfax Drive
 Arlington, VA 22203-1714
 Phone: (703) 248-1515
 Fax: (703) 696-9781
 Email: (Bruce.Wallace@darpa.mil)
 (one copy each report)

To:

(a) DARPA/STO

Attn: H. Bruce Wallace
675 North Randolph Street
Arlington, VA 22203-2114
 Phone: (703) 248-1515
 Fax: (703) 696-9781
 Email: (Bruce.Wallace@darpa.mil)

(one copy each report)

(b) DARPA/STO

Attn: Patrick Bailey, ADPM
3701 North Fairfax Drive
Arlington, VA 22203-1714
Phone: (703) 696-5277
Fax: (703) 807-0968
Email: adpm-sto@darpa.mil
(one copy each report)

To:

(b) DARPA/STO

Attn: Patrick Bailey, ADPM
675 North Randolph Street
Arlington, VA 22203-2114
Phone: (703) 696-5277
Fax: (703) 807-0968
Email: adpm-sto@darpa.mil
(one copy each report)

(c) Aviation Applied Technology Directorate

Attn: Justin Highley, COR
MAJ, AV – APM Sensors and Weapons
Technology Applications Program Office
Bldg 401 Lee Blvd.
Ft Eustis VA 23604
Phone: (757) 878-3299 Ext 363
(one copy each report)

(d) DARPA/Research Services

3701 North Fairfax Drive
Arlington, VA 22203-1714
Email: ResearchServices@darpa.mil
(one copy of the Final Technical Report)

To:

(d) DARPA/Research Services

675 North Randolph Street
Arlington, VA 22203-2114
Email: ResearchServices@darpa.mil
(one copy of the Final Technical Report)

(e) Defense Technical Information Center

(1) Email: TR@dtic.mil

(one electronic copy of the Final Technical Report, if unclassified)

OR

(2) Attn: DTIC-BCS

8725 John J. Kingman Road, Suite 0944

Fort Belvoir, VA 22060-0944

(two hard copies of the Final Technical Report if unclassified)

(f) DARPA/CMO

Attn: Tina Stuard, Contracting Officer

3701 North Fairfax Drive

Arlington, VA 22203-1714

Phone: (571) 218-4621

Fax: (703) 465-1062

Email: Tina.Stuard@darpa.mil

(one copy each report)

(end of clause)

To:

(f) DARPA/CMO

Attn: Tina Stuard, Contracting Officer

675 North Randolph Street

Arlington, VA 22203-2114

Phone: (571) 218-4621

Fax: (703) 465-1062

Email: Tina.Stuard@darpa.mil

(one copy each report)

(end of clause)

2) SECTION I - CONTRACT CLAUSES

The following have been **added** by reference:

252.215-7002	Cost Estimating System Requirements	FEB 2012
252.227-7025	Limitations on the Use or Disclosure of Government-Furnished Information Marked with Restrictive Legends	MAR 2011
252.242-7005	Contractor Business Systems	FEB 2012

The following have been **deleted**:

52.223-4	Recovered Material Certification	MAY 2008
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3) Except as modified above, the terms and conditions of Contract No. HR0011-11-C-0138 shall remain unchanged and in full force and effect.

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE U		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. P00006		3. EFFECTIVE DATE 28-Jun-2012		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY DARPA CMO ATTN: NATALY STUARD 675 N. RANDOLPH STREET ARLINGTON VA 22203-2114		CODE HR0011		7. ADMINISTERED BY (If other than item 6) DCMA PHOENIX TWO RENAISSANCE SQUARE 40 NORTH CENTRAL AVE., SUITE 400 PHOENIX AZ 85004-4424		CODE S0302A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) HONEYWELL INTERNATIONAL INC. 9201 SAN MATEO BLVD. NE ALBUQUERQUE NM 87113-2227				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HR0011-11-C-0138			
				X 10B. DATED (SEE ITEM 13) 23-Sep-2011			
CODE 07187		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 CONTRACTS/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) 52.245-1 Government Property							
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: evessill12992 Pursuant to 52.245-1, the purpose of this modification is to remove the Government Furnished Equipment (GFE) clause from Sections F & H.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				STUARD, NATALY / PCO			
				TEL: EMAIL: Tina.Stuard@darpa.mil			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				BY (b)(6)		28-Jun-2012	
				(Signature of Contracting Officer)			

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.

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

The following items are applicable to this modification:

SUMMARY OF CHANGES

The following have been modified as highlighted in bold:

1) SECTION F - DELIVERIES OR PERFORMANCE

a) F-2 Reports and Other Deliverables

(a) Delivery of all reports and other deliverables shall be made to the addressce specified in F-3 entitled "Report Distribution" in accordance with the following:

Item No.	Description	Due Date (on or before)
CLIN 0001	System Analysis and Design	3 Month
	- Common Interface Specification Document	
	- System, Software, and SIL requirements definition	
	- System Requirements/Design Review documentation	
CLIN 0001	System Development	12 Month
	- System Interface Demonstration in SIL environment of Phase 1 ICD	
	- SIL functional demonstration with sensor	
	- System Requirements document	
	- CDR, Phase 1&2 report and Phase 3 Flight Plan	
CLIN 0002	Integration with Sensor and Flight Demonstration	18 Month
	- Flight test demonstration on GF Helicopter with integrated Synthetic Vision Avionics Backbone and sensor	
	- Final Report	

(end of clause)

2) SECTION H - SPECIAL CONTRACT REQUIREMENTS

a) The following have been **modified**:

H-11 Government Furnished Property/Facilities and Services

(a) In accordance with the Section I contract clause entitled "Government Property", the following property, facilities and/or services shall be provided for use in the performance of this contract.

A government furnished sensor will be provided during the conduct of this program. It is not being identified in this SOW as this effort is intended to be independent of the specific sensor provided. The GFE sensor will be modified to utilize the interface developed by the contractor in phase 1 of this effort. The sensor will be identified once the interface has been defined in at the conclusion of Phase 1.

To:

H-11 Reserved**3) SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS**

a) The Table of Contents has changed from:

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	Statement of Work		
Attachment 2	IP Assertions		

To:

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	Revised Statement of Work		
Attachment 2	IP Assertions		

4) Except as modified above, the terms and conditions of Contract No. HR0011-11-C-0138 shall remain unchanged and in full force and effect.

(End of Summary of Changes)

Statement of Work

This initial phase is to develop the specification for the avionics backbone that will support the CFIT sensor and the multifunction sensor developed in Technical Area 1 while also integrating the information provided by current onboard sensors with high resolution databases to enable precision landing, pilotage and navigation. This would include the possibility of incorporating outputs from the APQ-174B Multi-Mission Radar (MMR) carried by the 160th SOAR which should serve as an emulation of the terrain and weather avoidance features of the multifunction RF sensor developed in Technical Area 1. A necessary outcome from this phase must be a specification for a hardware and data interface that will permit the demonstration of functionality with a sensor in a flight demonstration. Display resolutions should be commensurate with that required for safe pilotage which may approach 1 ft in three dimensions during landing phases. The estimated period of performance for this phase is 3 months.

Phase 2 will be the implementation of the synthetic scene vision avionics backbone to support the survivability and lethality functions of the multifunction RF program. Given the need to interface with existing legacy systems, it will be designed to integrate with an existing display or a helmet mounted display. In order to successfully complete this phase, the proposer must demonstrate interoperability with the available sensors on the MH-60M and well as the sensor that the government will provide. At the completion of this phase, the performer must demonstrate that the synthetic vision system can be successfully integrated into the flight platform and will interoperate successfully with a sensor system developed using the interface specified in TA2, Phase 1. The estimated period of performance for this phase is 9 months after which a decision will be made to integrate the system with the sensor for a flight test and demonstration. This phase will also develop a test plan for phase 3 to demonstrate the synthetic vision system in operation during typical CFIT regimes.

Phase 3 is an optional phase which will be executed if Phase 2 is deemed successful. It will be the flight demonstration of the integration of the synthetic vision avionics backbone with the sensors on board the MH-60M as well as the sensor with the synthetic vision avionics backbone. Final checkout and flight demonstrations, in accordance with the testing planned during Phase 2 will be conducted over a period of 6 months using a GFE aircraft.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				I. CONTRACT ID CODE U	PAGE OF PAGES 1 4
2. AMENDMENT/MODIFICATION NO. P00007		3. EFFECTIVE DATE 21-Sep-2012		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE	
6. ISSUED BY DARPA CMO ATTN: NATALY STUARD 675 N. RANDOLPH STREET ARLINGTON VA 22203-2114		7. ADMINISTERED BY (If other than item 6) DOMA PHOENIX TWO RENAISSANCE SQUARE 40 NORTH CENTRAL AVE., SUITE 400 PHOENIX AZ 85004-4424		5. PROJECT NO. (If applicable) S0302A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) HONEYWELL INTERNATIONAL INC. 9201 SAN MATEO BLVD NE ALBUQUERQUE NM 87113-2227				9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
				X 10A. MOD. OF CONTRACT/ORDER NO. HR0011-11-C-0138	
				X 10B. DATED (SEE ITEM 13) 23-Sep-2011	
CODE 07187		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 CONTRACTS/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).					
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: By mutual agreement of the parties.					
D. OTHER (Specify type of modification and authority)					
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: evessill121266 Pursuant to FAR 43.103(a), the purpose of this modification is to extend the period of performance for CLIN 0001 through November 30, 2012 and CLIN 0002, Option 1, through June 30, 2013 at no estimated cost to the contract, in accordance with AO No. 8670/00. In addition, the Statement of Work has been revised.					
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) (b)(4)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) N. Tina Stuard		
15C. DATE SIGNED (b)(4)			16B. DATE SIGNED (b)(6)		
(Signature of person authorized to sign)			(Signature of Contracting Officer)		

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

The following items are applicable to this modification:

SUMMARY OF CHANGES

The following have been modified as highlighted in bold:

I) SECTION F - DELIVERIES OR PERFORMANCE

a) The following Delivery Schedule item for CLIN 0001 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 23-SEP-2011 TO 23-SEP-2012	N/A	AVIATION APPLIED TECHNOLOGY DIRECTORATE JUSTIN HIGHLEY MAJ, AV - APM SENSORS AND WEAPONS TECHNOLOGY APPLICATIONS PROGRAM OFFICE BLDG 401 LEE BLVD. FT EUSTIS VA 23604 (757) 878-3299 EXT 363 FOB: Destination	W911W6

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 23-SEP-2012 TO 30-NOV-2012	N/A	AVIATION APPLIED TECHNOLOGY DIRECTORATE JUSTIN HIGHLEY MAJ, AV - APM SENSORS AND WEAPONS TECHNOLOGY APPLICATIONS PROGRAM OFFICE BLDG 401 LEE BLVD. FT EUSTIS VA 23604 (757) 878-3299 EXT 363 FOB: Destination	W911W6

b) The following Delivery Schedule item for CLIN 0002 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC

POP 23-SEP-2012 TO 23-MAR-2013	N/A	AVIATION APPLIED TECHNOLOGY DIRECTORATE JUSTIN HIGHLEY MAJ, AV APM SENSORS AND WEAPONS TECHNOLOGY APPLICATIONS PROGRAM OFFICE BLDG 401 LEE BLVD. FT EUSTIS VA 23604 (757) 878-3299 EXT 363 FOB: Destination	W911W6
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To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 30-NOV-2012 TO 30-JUN-2013	N/A	AVIATION APPLIED TECHNOLOGY DIRECTORATE JUSTIN HIGHLEY MAJ, AV – APM SENSORS AND WEAPONS TECHNOLOGY APPLICATIONS PROGRAM OFFICE BLDG 401 LEE BLVD. FT EUSTIS VA 23604 (757) 878-3299 EXT 363 FOB: Destination	W911W6

c) F-1 Term of Contract

(a) The term of the contract commences on the effective date of the contract and **continues November 30, 2012.**

(b) The period of performance for Options 1,2, and 3, as set forth in CLINs 0002, 0003, and 0004, shall be from the effective date of the option exercise to and including June 23, 2013.
(end of clause)

2) 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	Revised Statement of Work		
Attachment 2	IP Assertions		

To:

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	Revised Statement of Work #2		
Attachment 2	IP Assertions		

3) Except as modified above, the terms and conditions of Contract No. HR0011-11-C-0138 shall remain unchanged and in full force and effect.

(End of Summary of Changes)

Statement of Work

This initial phase is to develop the specification for the avionics backbone that will support the CFIT sensor and the multifunction sensor developed in Technical Area 1 while also integrating the information provided by current onboard sensors with high resolution databases to enable precision landing, pilotage and navigation. This would include the possibility of incorporating outputs from the APQ-174B Multi-Mission Radar (MMR) carried by the 160th SOAR which should serve as an emulation of the terrain and weather avoidance features of the multifunction RF sensor developed in Technical Area 1. A necessary outcome from this phase must be a specification for a hardware and data interface that will permit the demonstration of functionality with a sensor in a flight demonstration. Display resolutions should be commensurate with that required for safe pilotage which may approach 1 ft in three dimensions during landing phases. The estimated period of performance for this phase is 3 months.

Phase 2 will be the implementation of the synthetic scene vision avionics backbone to support the survivability and lethality functions of the multifunction RF program. Given the need to interface with existing legacy systems, it will be designed to integrate with an existing display or a helmet mounted display. In order to successfully complete this phase, the proposer must demonstrate interoperability with the available sensors on the MH-60M. At the completion of this phase, the performer must demonstrate that the synthetic vision system can be successfully integrated into the flight platform and will interoperate successfully with a sensor system developed using the interface specified in TA2, Phase 1. The estimated period of performance for this phase is 9 months after which a decision will be made to integrate the system with the sensor for a flight test and demonstration. This phase will also develop a test plan for phase 3 to demonstrate the synthetic vision system in operation during typical CFIT regimes.

Phase 3 is an optional phase which will be executed if Phase 2 is deemed successful. It will be the flight demonstration of the integration of the synthetic vision avionics backbone with the sensors on board the MH-60M as well as the sensor with the synthetic vision avionics backbone. Final checkout and flight demonstrations, in accordance with the testing planned during Phase 2 will be conducted over a period of 6 months using a GFE aircraft.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES

U

1

4

5. PROJECT NO. (If applicable)

2. AMENDMENT/MODIFICATION NO.
P000083. EFFECTIVE DATE
30-Nov-20124. REQUISITION/PURCHASE REQ. NO.
SEE SCHEDULE

6. ISSUED BY

CODE

HR0011

DARPA
CMO
ATTN: NATALY STUARD
675 N. RANDOLPH STREET
ARLINGTON VA 22203-2114

7. ADMINISTERED BY (If other than item 6)

DCMA PHOENIX
TWO RENAISSANCE SQUARE
40 NORTH CENTRAL AVE., SUITE 400
PHOENIX AZ 85004-4424

CODE

S0302A

8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)

HONEYWELL INTERNATIONAL INC.
9201 SAN MATEO BLVD NE
ALBUQUERQUE NM 87113-2227

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

X

10A. MOD. OF CONTRACT/ORDER NO.
HR0011-11-C-0138

X

10B. DATED (SEE ITEM 13)

23-Sep-2011

CODE 07187

FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer ☐ is extended, ☐ 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)

See Schedule

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/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)

52.217-7 Option for increased Quantity - Separately Priced Line Item

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 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: evessill13188

Pursuant to FAR 52.217-7, the purpose of this modification is to exercise CLIN 0002, Option 1, provide incremental funding to CLIN 0002, and to update CLIN 0001 and 0002 period of performance, in accordance with PR No. HR00113144.

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)

(b)(4)

(b)(4)

(Signature of person authorized to sign)

15C. DATE SIGNED

(b)(4)

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

N. Tina Stuard

EL:

(b)(6)

16B. UNIT

BY

(Signature of Contracting Officer)

16C. DATE SIGNED

11 Dec 12

EXCEPTION TO SF 30
APPROVED BY OIRM 11-84

30-105-04

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

The following items are applicable to this modification:

SUMMARY OF CHANGES

The following have been modified as highlighted in bold:

1) SECTION A - SOLICITATION/CONTRACT FORM

a) The total cost of this contract was increased by \$1,099,318.00 from \$3,449,895.00 to \$4,549,213.00.

2) SECTION B - SUPPLIES OR SERVICES AND PRICES

a) CLIN 0002

The option status has changed from Option to Option Exercised.

b) SUBCLIN 000201 is added as follows:

ITEM NO	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL EST. COST PLUS FIXED FEE
000201		\$0.00	\$0.00	\$0.00
	Funding for Avionics Backbone CPFF FOB: Destination PR No. HR00113144			\$0.00
	ACRN AE			\$500,000.00

3) SECTION F - DELIVERIES OR PERFORMANCE

a) The following Delivery Schedule item for CLIN 0001 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 23-SEP-2011 TO 30-NOV-2012	N/A	AVIATION APPLIED TECHNOLOGY DIRECTORATE JUSTIN HIGHLEY MAJ, AV – APM SENSORS AND WEAPONS TECHNOLOGY APPLICATIONS PROGRAM OFFICE BLDG 401 LEE BLVD. FT EUSTIS VA 23604 (757) 878-3299 EXT 363 FOB: Destination	W911W6

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 23-SEP-2011 TO 07-DEC-2012	N/A	AVIATION APPLIED TECHNOLOGY DIRECTORATE JUSTIN HIGHLEY MAJ, AV -- APM SENSORS AND WEAPONS TECHNOLOGY APPLICATIONS PROGRAM OFFICE BLDG 401 LEE BLVD. FT EUSTIS VA 23604 (757) 878-3299 EXT 363 FOB: Destination	W911W6

b) The following Delivery Schedule item for CLIN 0002 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 30-NOV-2012 TO 30-JUN-2013	N/A	AVIATION APPLIED TECHNOLOGY DIRECTORATE JUSTIN HIGHLEY MAJ, AV -- APM SENSORS AND WEAPONS TECHNOLOGY APPLICATIONS PROGRAM OFFICE BLDG 401 LEE BLVD. FT EUSTIS VA 23604 (757) 878-3299 EXT 363 FOB: Destination	W911W6

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 08-DEC-2012 TO 19-AUG-2013	N/A	AVIATION APPLIED TECHNOLOGY DIRECTORATE JUSTIN HIGHLEY MAJ, AV -- APM SENSORS AND WEAPONS TECHNOLOGY APPLICATIONS PROGRAM OFFICE BLDG 401 LEE BLVD. FT EUSTIS VA 23604 (757) 878-3299 EXT 363 FOB: Destination	W911W6

c) F-1 Term of Contract

(a) The term of the contract commences on the effective date of the contract and **continues August 19, 2013.**

4) SECTION G - CONTRACT ADMINISTRATION DATA

a) Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was **increased by \$500,000.00** from \$3,449,895.00 to **\$3,949,895.00.**

b) SUBCLIN 000201:

Funding on SUBCLIN 000201 is initiated as follows:

ACRN: AE

CIN: 00000000000000000000000000000000

Acctng Data: 012199 097 0400 000 N 20132014 D 1320 GMRFP
DARPA 255

2013.SEN-02.CORE.A

Increase: \$500,000.00

Total: \$500,000.00

c) G-7 Incremental Funding

(a) This contract shall be subject to incremental funding with \$3,949,895, presently made available for performance under this contract. It is estimated that the funds presently available are sufficient to permit the Contractor's performance through **February 15, 2013.** Except in accordance with the Section I clause FAR 52.232-22, "Limitation of Funds," no legal liability of the part of the Government for payment of any money in excess of \$4,175,364 shall arise unless and until additional funds are made available by the Contracting Officer through a modification to this contract.

(b) Specific funding available by CLIN is summarized below:

CLIN	Funding Amount
0001	\$3,449,895
0002	\$500,000
TOTAL	\$3,949,895

(end of clause)

5) Except as modified above, the terms and conditions of Contract No. HR0011-11-C-0138 shall remain unchanged and in full force and effect.

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE U	PAGE OF PAGES 1 6
2. AMENDMENT/MODIFICATION NO. P00009		3. EFFECTIVE DATE 14-Nov-2012		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE	
6. ISSUED BY DARPA CMO ATTN: NATALY STUARD 675 N. RANDOLPH STREET ARLINGTON VA 22203-2114		CODE HR0011		7. ADMINISTERED BY (If other than item 6) DCMA PHOENIX TWO RENAISSANCE SQUARE 40 NORTH CENTRAL AVE., SUITE 400 PHOENIX AZ 85004-4424	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) HONEYWELL INTERNATIONAL INC. 9201 SAN MATEO BLVD NE ALBUQUERQUE NM 87113-2227		9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	
CODE 07187		FACILITY CODE		X 10A. MOD. OF CONTRACT/ORDER NO. HR0011-11-C-0138	
				X 10B. DATED (SEE ITEM 13) 23-Sep-2011	
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) See Schedule					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/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).					
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.245-1 (d)(3)(i) Government Property					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 1 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: eversill121288 Pursuant to FAR 52.245-1 (d)(3)(i) Government Property, the purpose of this modification is to incorporate the Sensor deleted under P00006 which was to be provided as GFP under CLIN 0005, with an estimated cost of (b)(4) and fee of (b)(4). As such, CLIN 0005 and CLIN 0006, Option 4, are incorporated and incremental funding is provided to CLIN 0005 in the amount of \$725,469, in accordance with AO No. 8670-05. CLIN 0006 will have an estimated cost of (b)(4) and a fee of (b)(4). Additionally, the Statement of Work is modified and IP Assertions are revised.					
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) (b)(4)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) N. Tina Stuard			
15B. DATE SIGNED (b)(4)		16B. DATE SIGNED (b)(4)		16C. DATE SIGNED 12/19/12	
15C. DATE SIGNED (b)(4)		16D. DATE SIGNED (b)(4)			

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

The following items are applicable to this modification:

SUMMARY OF CHANGES

The following have been modified as highlighted in bold:

1) SECTION A - SOLICITATION/CONTRACT FORM

a) The total cost of this contract was **increased by \$1,721,522.00** from \$4,549,213.00 to **\$6,270,735.00**.

2) SECTION B - SUPPLIES OR SERVICES AND PRICES

a) **CLIN 0005** is added as follows:

ITEM NO	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL EST. COST PLUS FIXED FEE
0005		(b)(4)	(b)(4)	\$1,721,522.00
	Flight Test Sensor CPFF The contractor shall accomplish the taskings, for the Flight Test Sensor, in accordance with the Statement of Work Paragraph #4. FOB: Destination			\$1,721,522.00

b) **SUBCLIN 000501** is added as follows:

ITEM NO	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL EST. COST PLUS FIXED FEE
000501		\$0.00	\$0.00	\$0.00
	Funding for Flight Test Sensor CPFF FOB: Destination AO No. 8670/05			\$0.00
	ACRN AF			\$725,469.00

c) **CLIN 0006** is added as follows:

ITEM NO	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL EST. COST PLUS FIXED FEE
0006		(b)(4)	(b)(4)	\$805,757.00
OPTION	Additional Flight Test CPFF The contractor shall accomplish the taskings, for the Flight Test Sensor, Additional Flight Test Option 4, in accordance with the Statement of Work Paragraph #11. FOB: Destination			\$805,757.00

3) SECTION C - DESCRIPTIONS AND SPECIFICATIONS

CLAUSES INCORPORATED BY FULL TEXT

a) C-1 Scope of Work

(a) The Contractor shall furnish the necessary personnel, materials, facilities, and other services as may be required to perform Contract Line Items CLIN 0001 and 0005, in accordance with the Statement of Work, Attachment 1 hereto. The work and services to be performed hereunder shall be subject to the requirements and standards contained in the Contractor's proposal entitled "Synthetic Vision Avionics Backbone, Multifunction RF program, Technical Area 2 (TA2)", copies of which are in the possession of both parties.

(b) The Contractor shall furnish the necessary personnel, materials, facilities, and other services as may be required to perform Contract Line Items CLINs 0002, 0003, 0004 and 0006, Options 1, 2, 3, and 4 in accordance with the Statement of Work, Attachment 1 hereto. The work and services to be performed hereunder shall be subject to the requirements and standards contained in the Contractor's proposal entitled "Synthetic Vision Avionics Backbone, Multifunction RF program, Technical Area 2 (TA2)", copies of which are in the possession of both parties.

(c) In the event of an inconsistency between the provisions of this contract and the Contractor's proposal, the inconsistency shall be resolved by giving precedence in the following order: (1) the contract, (2) the attachments to the contract, and then (3) the Contractor's proposal.
(end of clause)

4) SECTION F - DELIVERIES OR PERFORMANCE

a) The following Delivery Schedule item has been added to CLIN 0005:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC

POP 19-NOV-2012 TO 19-AUG-2013	N/A	AVIATION APPLIED TECHNOLOGY DIRECTORATE JUSTIN HIGHLEY MAJ, AV – APM SENSORS AND WEAPONS TECHNOLOGY APPLICATIONS PROGRAM OFFICE BLDG 401 LEE BLVD. FT EUSTIS VA 23604 (757) 878-3299 EXT 363 FOB: Destination	W911W6
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b) The following Delivery Schedule item has been added to CLIN 0006:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
POP 20-AUG-2013 TO 20-NOV-2013	N/A	AVIATION APPLIED TECHNOLOGY DIRECTORATE JUSTIN HIGHLEY MAJ, AV – APM SENSORS AND WEAPONS TECHNOLOGY APPLICATIONS PROGRAM OFFICE BLDG 401 LEE BLVD. FT EUSTIS VA 23604 (757) 878-3299 EXT 363 FOB: Destination	W911W6

c) F-1 Term of Contract

(a) The term of the contract commences on the effective date of the contract and continues August 19, 2013.

(b) The period of performance for Options 1,2, and 3, as set forth in CLINs 0002, 0003, and 0004, shall be from the effective date of the option exercise to and including August 19, 2013. The period of performance for Option 4, CLIN 0006, shall be from the effective date of the option exercise of CLIN 0002 through November 20, 2013.

(end of clause)

d) F-2 Reports and Other Deliverables

(a) Delivery of all reports and other deliverables shall be made to the addressee specified in F-3 entitled "Report Distribution" in accordance with the following:

Item No.	Description	Due Date (on or before)
CLIN 0001	System Analysis and Design	3 Month
	- Common Interface Specification Document	
	- System, Software, and SIL requirements definition	
	- System Requirements/Design Review documentation	
CLIN 0001	System Development	14 Month
	- System Interface Demonstration in SIL environment	

	of Phase 1 ICD	
	- SIL functional demonstration with sensor	
	- System Requirements document	
	- CDR, Phase 1&2 report and Phase 3 Flight Plan	
	Functional SIL Demonstration	12/07/2012
	End of Phase 2	12/07/2012
CLIN 0002	Integration with Sensor and Flight Demonstration	23 Month
	- Flight test demonstration on GF Helicopter with integrated Synthetic Vision Avionics Backbone and sensor	
	- Final Report	
	Start of Phase 3	12/8/2012
CLIN 0005	Flight Test – Completion	8/19/2013
CLIN 0006	Additional Flight Test	11/20/2013

(end of clause)

5) SECTION G - CONTRACT ADMINISTRATION DATA

a) Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by **\$725,469.00** from **\$3,949,895.00** to **\$4,675,364.00**.

b) SUBCLIN 000501:

Funding on SUBCLIN 000501 is initiated as follows:

ACRN: AF

CIN: 00000000000000000000000000000000

Acctng Data: 012199 097 0400 000 N 20122013 D 1320 GMRFP 2012.SEN-02.CORE.A DARPA
255

Increase: \$725,469.00

Total: \$725,469.00

c) G-7 Incremental Funding

(a) This contract shall be subject to incremental funding with **\$4,675,364**, presently made available for performance under this contract. It is estimated that the funds presently available are sufficient to permit the Contractor's performance through **February 28, 2013**. Except in accordance with the Section I clause FAR 52.232-22, "Limitation of Funds," no legal liability of the part of the Government for payment of any money in excess of **\$4,675,364** shall arise unless and until additional funds are made available by the Contracting Officer through a modification to this contract.

(b) Specific funding available by CLIN is summarized below:

CLIN	Funding Amount
------	----------------

0001	\$3,449,895
0002	\$500,000
0005	\$725,469
TOTAL	\$4,675,364

(end of clause)

6) SECTION II - SPECIAL CONTRACT REQUIREMENTS

a) H-10 Small Business Subcontracting Plan and Goals

(a) The Contractor's Small Business Subcontracting Plan, **updated September 20, 2012**, is incorporated herein and made a part of this contract by reference.

(end of clause)

7) 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	Revised Statement of Work #2		
Attachment 2	IP Assertions		

To:

Exhibit/Attachment Table of Contents

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	Revised Statement of Work #3		
Attachment 2	Revised IP Assertions		

8) Except as modified above, the terms and conditions of Contract No. HR0011-11-C-0138 shall remain unchanged and in full force and effect. This Supplemental Agreement constitutes a full settlement of any claims of the contractor arising out of or in connecting with the changes effected hereby.

(End of Summary of Changes)

Statement of Work

This initial phase is to develop the specification for the avionics backbone that will support the CFIT sensor and the multifunction sensor developed in Technical Area 1 while also integrating the information provided by current onboard sensors with high resolution databases to enable precision landing, pilotage and navigation. This would include the possibility of incorporating outputs from the APQ-174B Multi-Mission Radar (MMR) carried by the 160th SOAR which should serve as an emulation of the terrain and weather avoidance features of the multifunction RF sensor developed in Technical Area 1. A necessary outcome from this phase must be a specification for a hardware and data interface that will permit the demonstration of functionality with a sensor in a flight demonstration. Display resolutions should be commensurate with that required for safe pilotage which may approach 1 ft in three dimensions during landing phases. The estimated period of performance for this phase is 3 months.

Phase 2 will be the implementation of the synthetic scene vision avionics backbone to support the survivability and lethality functions of the multifunction RF program. Given the need to interface with existing legacy systems, it will be designed to integrate with an existing display or a helmet mounted display. In order to successfully complete this phase, the proposer must demonstrate interoperability with the available sensors on the MH-60M. At the completion of this phase, the performer must demonstrate that the synthetic vision system can be successfully integrated into the flight platform and will interoperate successfully with a sensor system developed using the interface specified in TA2, Phase 1. The estimated period of performance for this phase is 9 months after which a decision will be made to integrate the system with the sensor for a flight test and demonstration. This phase will also develop a test plan for phase 3 to demonstrate the synthetic vision system in operation during typical CFIT regimes.

Phase 3 is an optional phase which will be executed if Phase 2 is deemed successful. It will be the flight demonstration of the integration of the synthetic vision avionics backbone with the sensors on board the MH-60M as well as the sensor with the synthetic vision avionics backbone. Final checkout and flight demonstrations, in accordance with the testing planned during Phase 2 will be conducted over a period of 6 months using a GFE aircraft.

Flight Test Sensor (CLIN 0005)

The contractor will manage and support acquisition of the Flight Test Sensor to make necessary sensor modifications, support flight test planning, support system integration and test, aircraft integration, flight test support, and post flight test analysis.

Sensor Modifications

The contractor will modify the current sensor interface to comply with the Technical Area 2 (TA2), Synthetic Vision Avionics Backbone ICD as defined in Synthetic Vision Avionics Backbone (SVAB) Interface Control Document (ICD) 5200673. Sensor software will be modified to automate and acquire commands from the SVAB rather than manual operation from an on-board operator, as is currently performed. Controls for modifying scan patterns, thresholding and other operator functions shall be included in the SVAB interface. At least two modes of operation shall be supported by the updated sensor software: DVE Landing, which may stare at a designated landing location; and on

route, which scans forward to identify potential flight hazards and provide moving terrain observations to support SVAB en route correlation and precision navigation functions.

Sensor hardware analyses will be performed to develop the integrated mechanical package. The contractor shall assess the overall package mass properties, center gravity (CG), and power consumption of the sensor. The contractor shall identify an approach which addresses environmental conditions such as thermal management, mechanical stresses, and Electromagnetic Interference/Electromagnetic Compatibility (EMI/EMC).

Flight Test Planning

The contractor shall support the customer with flight test planning, including providing details of sensor operation, performance and constraints that impact flight test execution. The contractor shall perform necessary analyses and provide inputs on flight test geometries, targets and flight trajectories to best demonstrate the capabilities and limits of the sensor performance.

System Integration and Test

The contractor will perform system integration tests using sensor simulations and/or data to be delivered by the contractor. The contractor shall provide remote support of this SIL testing to address, debug and correct any interface issues identified. Prior to flight test the contractor will perform system integration tests with the physical sensor. The contractor shall deliver the sensor with the modified interface for SIL integration. The contractor shall provide on-site support for integration of the sensor with the SVAB.

Flight Test Support

The contractor will provide support for the flight test. The contractor shall deliver a modified flight test sensor to be used for flight testing, shall support sensor installation and integration on the aircraft, size and weight information for Air Worthiness Release (AWR), test execution and troubleshooting, data analysis support and sensor de-installation and recovery. The flight test is expected to last two weeks.

Program Management

The contractor will manage the program by monitoring cost and schedule, managing programmatic communications with customers and contractors, and conduct periodic program status meetings with contractor management and technical personnel working the program. The contractor will arrange and facilitate the test readiness review meeting, flight demonstration, and final review meeting. Meeting presentation materials will be provided to DARPA.

Additional Flight Test (Option – CLIN 0006)

It is likely that the team of DARPA, TAPO, and the contractor will learn valuable lessons from the Flight Demonstration and may want to adjust or modify the SVAB/Sensor system and perform another flight test. The optional, additional flight test task includes the effort to apply the lessons learned to software modifications on the SVAB and perform another flight test similar to the one performed in Flight Demonstration.

SVAB Updates

The contractor will perform software and hardware engineering analysis, design, and modifications from lessons learned on the Phase 3 flight test. It may include modifications to the MPRF flight test software requiring test on the embedded processor prior to the additional flight test

Flight Demonstrations

The contractor will perform an additional round of flight demonstration, over a period of three months, of the SVAB and sensor in a helicopter to be provided by the customer and at a customer designated test facility/airport. The contractor will provide a VPX-based integration computer system to host the SVAB functionality, the flight test sensor, and the interface with required sensors and other platform equipment. The following tasks will be accomplished:

- 1) Off-aircraft flight planning and preparations
- 2) On-aircraft initializations and pre-flight checklist
- 3) During flight: equipment control according to flight card, recording event data, etc.
- 4) On-aircraft post-flight shutdown
- 5) Off-aircraft post-flight analysis and reporting
- 6) Flight Test Support

Program Management

The contractor will manage the program by monitoring cost and schedule, managing programmatic communications with customers and contractors, and conduct periodic program status meetings with the contractor management and technical personnel working the program. The contractor will arrange and facilitate the test readiness review meeting, flight demonstration, and final review meeting. Meeting presentation materials will be provided to DARPA.

(b)(4)



(b)(4)



(b)(4)



AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE U		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. P00010		3. EFFECTIVE DATE 22-Mar-2013		4. REQUISITION/PURCHASE REQ. NO. SEE SCHEDULE		5. PROJECT NO.(If applicable)	
6. ISSUED BY DARPA CMO ATTN: NATALY STUARD 675 N. RANDOLPH STREET ARLINGTON VA 22203-2114		CODE HR0011		7. ADMINISTERED BY (If other than item 6) DCMA PHOENIX TWO RENAISSANCE SQUARE 40 NORTH CENTRAL AVE., SUITE 400 PHOENIX AZ 85004-4424		CODE S0302A	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) HONEYWELL INTERNATIONAL INC. 9201 SAN MATEO BLVD. NE ALBUQUERQUE NM 87113-2227				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. HR0011-11-C-0138			
				X 10B. DATED (SEE ITEM 13) 23-Sep-2011			
CODE 07187		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) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/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) FAR 52.232-22 Limitation of Funds							
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: evessill13504 Pursuant to FAR 52.232-22, the purpose of this modification is to provide incremental funding to CLIN 0005, in the amount of \$638,001. (PR No. HR00113144-1)							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				STUARD, NATALY / PCO			
				TEL: EMAIL: Tina.Stuard@darpa.mil			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				BY (b)(6)		22-Mar-2013	
				(Signature of Contracting Officer)			

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.

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

The following items are applicable to this modification:

SUMMARY OF CHANGES

The following have been modified as highlighted in bold:

1) SECTION B - SUPPLIES OR SERVICES AND PRICES

a) SUBCLIN 000502 is **added** as follows:

ITEM NO	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL EST. COST PLUS FIXED FEE
000502		\$0.00	\$0.00	\$0.00
	Funding for Flight Test Sensor CPFF FOB: Destination PR No. HR00113144			\$0.00
	ACRN AE			\$638,001.00

2) SECTION G - CONTRACT ADMINISTRATION DATA

a) Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was **increased by \$638,001.00** from \$4,675,364.00 to **\$5,313,365.00**.

b) SUBCLIN 000502:

Funding on SUBCLIN 000502 is initiated as follows:

ACRN: AE

CIN: 00000000000000000000000000000000

Acctng Data: 012199 097 0400 000 N 20132014 D 1320 GMREF
DARPA 255

2013.SEN-02.CORE.A

Increase: \$638,001.00

Total: \$638,001.00

c) G-7 Incremental Funding

(a) This contract shall be subject to incremental funding with **\$5,313,365**, presently made available for performance under this contract. It is estimated that the funds presently available are sufficient to permit the Contractor's

performance **through May 31, 2013**. Except in accordance with the Section I clause FAR 52.232-22, "Limitation of Funds," no legal liability of the part of the Government for payment of any money in excess of **\$5,313,365** shall arise unless and until additional funds are made available by the Contracting Officer through a modification to this contract.

(b) Specific funding available by CLIN is summarized below:

CLIN	Funding Amount
0001	\$3,449,895
0002	\$500,000
0005	\$1,363,470
TOTAL	\$5,313,365

(end of clause)

3) Except as modified above, the terms and conditions of Contract No. HR0011-11-C-0138 shall remain unchanged and in full force and effect.

(End of Summary of Changes)