

<b>AWARD/CONTRACT</b>		PAGE OF PAGES 1   37					
1. CONTRACT (Proc. Inst. Ident.) NO. DTFAAC-04-D-00070		2. EFFECTIVE DATE 04/01/2004	3. REQUISITION/PURCHASE REQUEST/PROJECT NO.				
4. ISSUED BY AMQ-310 CONTRACTING TEAM FAA AERONAUTICAL CENTER PO BOX 25082 MPB ROOM 380 OKLAHOMA CITY OK 73125		CODE AMQ0310-ARC	5. ADMINISTERED BY (If other than Item 4) AMQ-340 CONTRACT MANAGEMENT TEAM FAA AERONAUTICAL CENTER PO BOX 25082 MPB ROOM 369 OKLAHOMA CITY OK 73125				
6. NAME AND ADDRESS OF CONTRACTOR (No., Street, City, Country, State and ZIP Code)  TITAN CORP 3877 FAIRFAX RD FAIRFAX VA 22030		7. DELIVERY <input type="checkbox"/> FOB ORIGIN <input checked="" type="checkbox"/> OTHER (See below)					
8. DISCOUNT FOR PROMPT PAYMENT		9. SUBMIT INVOICES (4 copies unless otherwise specified) TO THE ADDRESS SHOWN IN:  ITEM Block 11					
CODE	FACILITY CODE						
10. SHIP TO/MARK FOR A6973DGF 6973DG FAA AERO CENTER, AVN-27 ACQUISITION SUPPORT TEAM, ARB, 212D 6500 S. MACARTHUR OKLAHOMA CITY OK 731696900	CODE A6973DGF	11. PAYMENT WILL BE MADE BY FAA AC ACCTG OFC DOT/FAA AMZ-100 PO BOX 25710 OKLAHOMA CITY OK 73125	CODE FAA AC ACCTG OFC				
12. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION:		13. ACCOUNTING AND APPROPRIATION DATA See Schedule					
14A. ITEM	14B. SUPPLIES/SERVICES	14C. QTY	14D. UNIT				
	<b>ORIGINAL</b>						
Continued...			14E. UNIT PRICE				
			14F. AMOUNT				
14G. TOTAL AMOUNT OF CONTRACT			\$0.00				
<b>15. TABLE OF CONTENTS</b>							
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X	C	DESCRIPTION/SPECS./WORK STATEMENT	15-22	X	J	LIST OF ATTACHMENTS	37
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X	F	DELIVERIES OR PERFORMANCE	23	X	L	INSTR., CONDS., AND NOTICES TO OFFERORS	By
X	G	CONTRACT ADMINISTRATION DATA	23-25	X	M	EVALUATION FACTORS FOR AWARD	Ref
X	H	SPECIAL CONTRACT REQUIREMENTS	25-33				
<b>CONTRACTING OFFICER WILL COMPLETE ITEM 16 OR 17 AS APPLICABLE</b>							
16. <input checked="" type="checkbox"/> CONTRACTOR'S NEGOTIATED AGREEMENT (Contractor is required to sign this document and return <u>1</u> copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. (Attachments are listed herein.)				17. <input type="checkbox"/> AWARD (Contractor is not required to sign this document.) Your offer on Solicitation Number _____ including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any continuation sheets. This award consummates the contract which consists of the following documents: (a) the Contract Authority's solicitation and your offer, and (b) this award/contract. No further contractual document is necessary.			
18A. NAME AND TITLE OF SIGNER <b>Seymour Johnson</b> <b>Sr. Contracts Mgr</b>				19A. NAME OF CONTRACTING OFFICER <b>Brent D. Foreman</b>			
18B. NAME OF CONTRACTOR BY <i>Seymour Johnson</i> (Signature of person authorized to sign)		18C. DATE SIGNED <b>3-31-04</b>		19B. CONTRACT AUTHORITY <i>Brent D. Foreman</i> (Signature of the Contracting Officer)		19C. DATE SIGNED <b>4-1-2004</b>	

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ITEMS NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)				
	<p><u>PART I - SECTION B</u> <u>SUPPLIES OR SERVICES AND PRICES/COSTS</u></p> <p>The contractor shall furnish all labor, facilities, equipment, materials, services, transportation, preservation, packaging, and packing required to furnish and supply items/services set forth below in accordance with the terms, conditions, and provisions set forth herein. This is an indefinite delivery/requirements type contract. All quantities are estimated.</p> <p style="text-align: center;">BASE YEAR April 1, 2004 through March 31, 2005 IAPA Maintenance</p>								
001	Routine Maintenance Hardware Support Services IAW Performance Work Statement (PWS) Para. C.1.4.1, C.1.4.2 & Tech. Exhibit 1	12.00	MO	51,770.48					
002	Routine License Software Maintenance Support Services Applix Version 4.3 (807.65.0.24) Applix Base21. Service to cover the following: Applix SPS, 21 ea. Applix Data, 21 ea. Applix Wfilter, 9 ea. Applix Gfilter, 9 ea. IAW PWS para. C.1.4.1.6 & Tech. Exhibit 2	12.00	MO	728.91					
003	Routine License Maint Software Services Services to cover the following: SGI License 195 ea. Clearcase (CaseVision) 10 ea. Version 4.2 Workshop Version 2.9.1 Compilers/dev options Version 7.3 Network Version 4.2.5-B Base with 10 client support 20 ea. Base with 20 client support 2 ea. Base with 5 client support 8 ea. Tool.H++ STL IAW PWS Para. C.1.4.1.6 & Tech. Exhibit 2	12.00	MO	4,451.79					

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ITEMS NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
004	Routine License Software Maint Support Services to cover the following: RogueWave, 9 ea. Netscape Version 4.7, (Public and Free) 195 ea. Z.mail Version 4.0.1, 195 ea. Synchronize Servers, 23 ea. Version 2.0.12 client, Version 2.0.13 server, Users 195 ea. IAW PWS Para. C.1.4.1.6 & Tech. Exhibit 2	12.00	MO	324.61	
005	Technical Software Maintenance Services Edge Developers Tool Kit Sybase Spatial Query Server (Requires Technical Support Services as defined in PWS C.1.5.0)	12.00	MO	5,807.41	
006	Callback Maintenance Support Services IAW PWS Para. C.1.4.3 (Estimated Hours)	100.00	HR	77.31	
007	Reprogramming Support Services Core Hours Update or upgrade required IAW PWS C.1.4.4 (Estimated Annual Requirement)	50.00	HR	202.78	
008	Non-Core Hours Update or upgrade required IAW PWS C.1.4.4 (Estimated Hours)	50.00	HR	202.78	
009	Over-and-Above Actions IAW Special Requirement H.18 (Not To Exceed) Amount: \$1,000.00 (Option Line Item)				
010	Additional Material/Licenses/Software/ Hardware IAW PWS Para. C.1.3.0 (Not To Exceed) \$1,000.00				
011	Travel and Subsistence Support (Per Diem) IAW PWS C.1.1.5.2 (Not To Exceed) \$1,000.00				



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	<u>PART I - SECTION B</u> <u>SUPPLIES OR SERVICES AND PRICES/COSTS</u>  1ST OPTION YEAR April 1, 2005 through March 31, 2006 IAPA Maintenance				
017	Routine Maintenance Hardware Support Services IAW Performance Work Statement (PWS) Para. C.1.4.1, C.1.4.2 & Tech. Exhibit 1 Amount: \$639,883.08 (Option Line Item)	12.00	MO	53,323.59	
018	Routine License Software Maintenance Support Services Applix Version 4.3 (807.65.0.24) Applix Base21. Service to cover the following: Applix SPS, 21 ea. Applix Data, 21 ea. Applix Wfilter, 9 ea. Applix Gfilter, 9 ea. IAW PWS para. C.1.4.1.6 & Tech. Exhibit 2 Amount: \$9,009.36 (Option Line Item)	12.00	MO	750.78	
019	Routine License Maint Software Services Services to cover the following: SGI License 195 ea. Clearcase (CaseVision) 10 ea. Version 4.2 Workshop Version 2.9.1 Compilers/dev options Version 7.3 Network Version 4.2.5-B Base with 10 client support 20 ea. Base with 20 client support 2 ea. Base with 5 client support 8 ea. Tool.H++ STL IAW PWS Para. C.1.4.1.6 & Tech. Exhibit 2 Amount: \$55,024.08 (Option Line Item)	12.00	MO	4,585.34	
020	Routine License Software Maint Support Services to cover the following: RogueWave, 9 ea. Netscape Version 4.7, (Public and Free) 195 ea. Z.mail Version 4.0.1, 195 ea. Synchronize Servers, 23 ea. Version 2.0.12 client, Version 2.0.13 server, Users 195 ea. IAW PWS Para. C.1.4.1.6 & Tech. Exhibit 2 Amount: \$4,012.20 (Option Line Item)	12.00	MO	334.35	

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ITEMS NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
021	Technical Software Maintenance Services Edge Developers Tool Kit Sybase Spatial Query Server (Requires Technical Support Services as defined in PWS C.1.5.0) Amount: \$71,779.56 (Option Line Item)	12.00	MO	5,981.63	
022	Callback Maintenance Support Services IAW PWS Para. C.1.4.3 (Estimated Hours) Amount: \$7,963.00 (Option Line Item)	100.00	HR	79.63	
023	Reprogramming Support Services Core Hours Update or upgrade required IAW PWS C.1.4.4 (Estimated Annual Requirement) Amount: \$10,443.00 (Option Line Item)	50.00	HR	208.86	
024	Non-Core Hours Update or upgrade required IAW PWS C.1.4.4 (Estimated Hours) Amount: \$10,443.00 (Option Line Item)	50.00	HR	208.86	
025	Over-and-Above Actions IAW Special Requirement H.18 (Not To Exceed) Amount: \$1,000.00 (Option Line Item)				
026	Additional Material/Licenses/Software/ Hardware IAW PWS Para. C.1.3.0 (Not To Exceed) Amount: \$1,000.00 (Option Line Item)				
027	Travel and Subsistence Support (Per Diem) IAW PWS C.1.1.5.2 (Not To Exceed) Amount: \$1,000.00 (Option Line Item)				
028	Freight/Transportation Expense IAW PWS Para. C.1.6.0 (Not To Exceed) Amount: \$5,000.00 (Option Line Item)				

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029	Technology Refresh/System Upgrade IAW PWS Para. C.1.10 (To be Determined) Amount: \$0.00 (Option Line Item)				
030	Management Plans and Reports IAW PWS Para. C.1.5.3, C.1.7.2, C.1.7.3, & C.1.7.5. See Contractor Data Requirements List (CDRL), Section L, Attachment 1 (NOT SEPARATELY PRICED) Amount: \$0.00 (Option Line Item)				
031	Phase Out IAW PWS Para. C.1.1.7.2 for Phase Out. Applicable only if option to extend order period is not exercised by FAA. (To Be Determined) Amount: \$0.00 (Option Line Item)				
<u>Est. Total 1st Option Year: \$816,557.28</u>					

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ITEMS NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
<p><u>PART I - SECTION B</u> <u>SUPPLIES OR SERVICES AND PRICES/COSTS</u></p>					
<p>2ND OPTION YEAR April 1, 2006 through March 31, 2007 IAPA Maintenance</p>					
032	<p>Routine Maintenance Hardware Support Services IAW Performance Work Statement (PWS) Para. C.1.4.1, C.1.4.2 &amp; Tech. Exhibit 1 Amount: \$659,079.60 (Option Line Item)</p>	12.00	MO	54,923.30	
033	<p>Routine License Software Maintenance Support Services Applix Version 4.3 (807.65.0.24) Applix Base21. Service to cover the following:     Applix SPS, 21 ea.     Applix Data, 21 ea.     Applix Wfilter, 9 ea.     Applix Gfilter, 9 ea. IAW PWS para. C.1.4.1.6 &amp; Tech. Exhibit 2 Amount: \$9,279.60 (Option Line Item)</p>	12.00	MO	773.30	
034	<p>Routine License Maint Software Services Services to cover the following: SGI License 195 ea. Clearcase (CaseVision) 10 ea. Version 4.2 Workshop Version 2.9.1 Compilers/dev options Version 7.3 Network Version 4.2.5-B Base with 10 client support 20 ea. Base with 20 client support 2 ea. Base with 5 client support 8 ea. Tool.H++ STL IAW PWS Para. C.1.4.1.6 &amp; Tech. Exhibit 2 Amount: \$56,674.80 (Option Line Item)</p>	12.00	MO	4,722.90	
035	<p>Routine License Software Maint Support Services to cover the following: RogueWave, 9 ea. Netscape Version 4.7, (Public and Free) 195 ea. Z.mail Version 4.0.1, 195 ea. Synchronize Servers, 23 ea. Version 2.0.12 client, Version 2.0.13 server, Users 195 ea. IAW PWS Para. C.1.4.1.6 &amp; Tech. Exhibit 2 Amount: \$4,132.56 (Option Line Item)</p>	12.00	MO	344.38	

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ITEMS NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
036	Technical Software Maintenance Services Edge Developers Tool Kit Sybase Spatial Query Server (Requires Technical Support Services as defined in PWS C.1.5.0) Amount: \$73,932.96 (Option Line Item)	12.00	MO	6,161.08	
037	Callback Maintenance Support Services IAW PWS Para. C.1.4.3 (Estimated Hours) Amount: \$8,202.00 (Option Line Item)	100.00	HR	82.02	
038	Reprogramming Support Services Core Hours Update or upgrade required IAW PWS C.1.4.4 (Estimated Annual Requirement) Amount: \$10,756.50 (Option Line Item)	50.00	HR	215.13	
039	Non-Core Hours Update or upgrade required IAW PWS C.1.4.4 (Estimated Hours) Amount: \$10,756.50 (Option Line Item)	50.00	HR	215.13	
040	Over-and-Above Actions IAW Special Requirement H.18 (Not To Exceed) Amount: \$1,000.00 (Option Line Item)				
041	Additional Material/Licenses/Software/ Hardware IAW PWS Para. C.1.3.0 (Not To Exceed) Amount: \$1,000.00 (Option Line Item)				
042	Travel and Subsistence Support (Per Diem) IAW PWS C.1.1.5.2 (Not To Exceed) Amount: \$1,000.00 (Option Line Item)				
043	Freight/Transportation Expense IAW PWS Para. C.1.6.0 (Not To Exceed) Amount: \$5,000.00 (Option Line Item)				

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ITEMS NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
044	Technology Refresh/System Upgrade IAW PWS Para. C.1.10 (To be Determined) Amount: \$0.00 (Option Line Item)				
045	Management Plans and Reports IAW PWS Para. C.1.5.3, C.1.7.2, C.1.7.3, & C.1.7.5. See Contractor Data Requirements List (CDRL), Section L, Attachment 1 (NOT SEPARATELY PRICED) Amount: \$0.00 (Option Line Item)				
046	Phase Out IAW PWS Para. C.1.1.7.2 for Phase Out. Applicable only if option to extend order period is not exercised by FAA. (To Be Determined) Amount: \$0.00 (Option Line Item)				
<p>Est. Total 2nd Option Year: \$840,814.52</p>					

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ITEMS NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
<p><u>PART I - SECTION B</u> <u>SUPPLIES OR SERVICES AND PRICES/COSTS</u></p>					
<p>3RD OPTION YEAR April 1, 2007 through March 31, 2008 IAPA Maintenance</p>					
047	<p>Routine Maintenance Hardware Support Services IAW Performance Work Statement (PWS) Para. C.1.4.1, C.1.4.2 &amp; Tech. Exhibit 1 Amount: \$678,852.00 (Option Line Item)</p>	12.00	MO	56,571.00	
048	<p>Routine License Software Maintenance Support Services Applix Version 4.3 (807.65.0.24) Applix Base21. Service to cover the following:     Applix SPS, 21 ea.     Applix Data, 21 ea.     Applix Wfilter, 9 ea.     Applix Gfilter, 9 ea. IAW PWS para. C.1.4.1.6 &amp; Tech. Exhibit 2 Amount: \$9,558.00 (Option Line Item)</p>	12.00	MO	796.50	
049	<p>Routine License Maint Software Services Services to cover the following: SGI License 195 ea. Clearcase (CaseVision) 10 ea. Version 4.2 Workshop Version 2.9.1 Compilers/dev options Version 7.3 Network Version 4.2.5-B Base with 10 client support 20 ea. Base with 20 client support 2 ea. Base with 5 client support 8 ea. Tool.H++ STL IAW PWS Para. C.1.4.1.6 &amp; Tech. Exhibit 2 Amount: \$58,375.08 (Option Line Item)</p>	12.00	MO	4,864.59	
050	<p>Routine License Software Maint Support Services to cover the following: RogueWave, 9 ea. Netscape Version 4.7, (Public and Free) 195 ea. Z.mail Version 4.0.1, 195 ea. Synchronize Servers, 23 ea. Version 2.0.12 client, Version 2.0.13 server, Users 195 ea. IAW PWS Para. C.1.4.1.6 &amp; Tech. Exhibit 2 Amount: \$4,256.52 (Option Line Item)</p>	12.00	MO	354.71	

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ITEMS NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
051	Technical Software Maintenance Services Edge Developers Tool Kit Sybase Spatial Query Server (Requires Technical Support Services as defined in PWS C.1.5.0) Amount: \$76,150.92 (Option Line Item)	12.00	MO	6,345.91	
052	Callback Maintenance Support Services IAW PWS Para. C.1.4.3 (Estimated Hours) Amount: \$8,448.00 (Option Line Item)	100.00	HR	84.48	
053	Reprogramming Support Services Core Hours Update or upgrade required IAW PWS C.1.4.4 (Estimated Annual Requirement) Amount: \$11,079.00 (Option Line Item)	50.00	HR	221.58	
054	Non-Core Hours Update or upgrade required IAW PWS C.1.4.4 (Estimated Hours) Amount: \$11,079.00 (Option Line Item)	50.00	HR	221.58	
055	Over-and-Above Actions IAW Special Requirement H.18 (Not To Exceed) Amount: \$1,000.00 (Option Line Item)				
056	Additional Material/Licenses/Software/ Hardware IAW PWS Para. C.1.3.0 (Not To Exceed) Amount: \$1,000.00 (Option Line Item)				
057	Travel and Subsistence Support (Per Diem) IAW PWS C.1.1.5.2 (Not To Exceed) Amount: \$1,000.00 (Option Line Item)				
058	Freight/Transportation Expense IAW PWS Para. C.1.6.0 (Not To Exceed) Amount: \$5,000.00 (Option Line Item)				

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ITEMS NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
059	Technology Refresh/System Upgrade IAW PWS Para. C.1.10 (To be Determined) Amount: \$0.00 (Option Line Item)				
060	Management Plans and Reports IAW PWS Para. C.1.5.3, C.1.7.2, C.1.7.3, & C.1.7.5. See Contractor Data Requirements List (CDRL), Section L, Attachment 1 (NOT SEPARATELY PRICED) Amount: \$0.00 (Option Line Item)				
061	Phase Out IAW PWS Para. C.1.1.7.2 for Phase Out. Applicable only if option to extend order period is not exercised by FAA. (To Be Determined) Amount: \$0.00 (Option Line Item)				
<p>Est. Total 3rd Option Year: \$865,798.52</p>					

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ITEMS NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<u>PART I - SECTION B</u> <u>SUPPLIES OR SERVICES AND PRICES/COSTS</u>  4TH OPTION YEAR April 1, 2008 through March 31, 2009 IAPA Maintenance				
062	Routine Maintenance <u>Hardware</u> Support Services IAW Performance Work Statement (PWS) Para. C.1.4.1, C.1.4.2 & Tech. Exhibit 1 Amount: \$699,217.56 (Option Line Item)	12.00	MO	58,268.13	
063	Routine <u>License</u> Software Maintenance Support Services Applix Version 4.3 (807.65.0.24) Applix Base21. Service to cover the following: Applix SPS, 21 ea. Applix Data, 21 ea. Applix Wfilter, 9 ea. Applix Gfilter, 9 ea. IAW PWS para. C.1.4.1.6 & Tech. Exhibit 2 Amount: \$9,844.80 (Option Line Item)	12.00	MO	820.40	
064	Routine License Maint Software Services Services to cover the following: SGI License 195 ea. Clearcase (CaseVision) 10 ea. Version 4.2 Workshop Version 2.9.1 Compilers/dev options Version 7.3 Network Version 4.2.5-B Base with 10 client support 20 ea. Base with 20 client support 2 ea. Base with 5 client support 8 ea. Tool.H++ STL IAW PWS Para. C.1.4.1.6 & Tech. Exhibit 2 Amount: \$60,126.36 (Option Line Item)	12.00	MO	5,010.53	
065	Routine <u>License</u> Software Maint Support Services to cover the following: RogueWave, 9 ea. Netscape Version 4.7, (Public and Free) 195 ea. Z.mail Version 4.0.1, 195 ea. Synchronize Servers, 23 ea. Version 2.0.12 client, Version 2.0.13 server, Users 195 ea. IAW PWS Para. C.1.4.1.6 & Tech. Exhibit 2 Amount: \$4,384.20 (Option Line Item)	12.00	MO	365.35	

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066	Technical Software Maintenance Services Edge Developers Tool Kit Sybase Spatial Query Server (Requires Technical Support Services as defined in PWS C.1.5.0) Amount: \$78,435.48 (Option Line Item)	12.00	MO	6,536.29	
067	Callback Maintenance Support Services IAW PWS Para. C.1.4.3 (Estimated Hours) Amount: \$8,701.00 (Option Line Item)	100.00	HR	87.01	
068	Reprogramming Support Services Core Hours Update or upgrade required IAW PWS C.1.4.4 (Estimated Annual Requirement) Amount: \$11,411.50 (Option Line Item)	50.00	HR	228.23	
069	Non-Core Hours Update or upgrade required IAW PWS C.1.4.4 (Estimated Hours) Amount: \$11,411.50 (Option Line Item)	50.00	HR	228.23	
070	Over-and-Above Actions IAW Special Requirement H.18 (Not To Exceed) Amount: \$1,000.00 (Option Line Item)				
071	Additional Material/Licenses/Software/ Hardware IAW PWS Para. C.1.3.0 (Not To Exceed) Amount: \$1,000.00 (Option Line Item)				
072	Travel and Subsistence Support (Per Diem) IAW PWS C.1.1.5.2 (Not To Exceed) Amount: \$1,000.00 (Option Line Item)				
073	Freight/Transportation Expense IAW PWS Para. C.1.6.0 (Not To Exceed) Amount: \$5,000.00 (Option Line Item)				

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TITAN CORP

ITEMS NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
074	Technology Refresh/System Upgrade IAW PWS Para. C.1.10 (To be Determined) Amount: \$0.00 (Option Line Item)				
075	Management Plans and Reports IAW PWS Para. C.1.5.3, C.1.7.2, C.1.7.3, & C.1.7.5. See Contractor Data Requirements List (CDRL), Section L, Attachment 1 (NOT SEPARATELY PRICED) Amount: \$0.00 (Option Line Item)				
076	Phase Out IAW PWS Para. C.1.1.7.2 for Phase Out. Applicable only if option to extend order period is not exercised by FAA. (To Be Determined) Amount: \$0.00 (Option Line Item)				
Est. Total 4th Option Year: \$891,532.40					
Est. Total Amount of Award: \$5,607,710.12					

PART I - SECTION C - DESCRIPTION/SPECS/WORK STATEMENT

C.1. PERFORMANCE WORK STATEMENT

C.1.1.1 Background and Introduction

Aviation System Standards (AVN) promotes safety of flight by assuring the adequacy of air navigation facilities, developing and standardizing flight procedures and providing for the support and engineering of the flight inspection aircraft fleet. The Instrument Approach Procedures Automation (IAPA) system automates the method used in developing instrument approach procedures. An instrument approach procedure is a prescribed method of employing navigational instruments to land aircraft safely on a specific airport runway. Standard instrument approach procedures are published as charts that pilots use as visual aids for preflight planning and in-flight reference.

C.1.1.2 Scope of Work

The Performance Work Statement (PWS) defines AVN's requirements for contractor maintenance support service for the IAPA system(s). This includes system hardware, software, network, and technical support where required. Maintenance support services shall be provided as specified in Section C.1.4 of the PWS. The current list of hardware to be supported is found in Technical Exhibit 1 and software supported is found in Technical Exhibit 2. Locations and quantities of equipment to be supported are identified in Technical Exhibit 3.

C.1.1.3 Contractor Personnel

C.1.1.3.1 The work to be accomplished under this PWS is critical to aviation safety and dictates that the contractor provides highly qualified personnel, current in this technology. Contract personnel shall perform all work/tasks required to meet PWS requirements. Technical personnel performing work under this contract shall have an in-depth knowledge of system hardware, software, network and technical maintenance support requirements.

C.1.1.3.2 The contractor shall provide contract employees that are technically competent, trained, experienced, and physically capable of providing maintenance support services defined in this PWS.

C.1.1.3.3 The contractor shall provide all supervision necessary to monitor contract personnel performing support services under this contract. Government employees will not supervise contract personnel at any time.

C.1.1.3.4 The contractor shall ensure that their personnel observe and comply with all FAA/AVN policies, regulations, and procedures concerning fire, safety, environmental protection, sanitation, identification, security, traffic, parking, gratuities, conduct and limited access areas. While on FAA premises contractor personnel shall obtain and wear an appropriate FAA identification (ID) badge at all times in accordance with the terms and conditions set forth in the contract.

C.1.1.3.5 Contractor employees shall not disclose, orally or in writing, any information regarding material identified as confidential, proprietary or advance procurement information to any other persons or firms other than designated FAA employees.

C.1.1.4 Project Management

C.1.1.4.1 The contractor shall identify a project manager and alternate who shall have full authority to act for the contractor in all day-to-day matters relating to the contract and this PWS. The project manager shall serve as the point-of-contact for administrative and technical matters pertaining to the performance of this PWS and contract.

C.1.1.4.2 The project manager or alternate shall be available during the core hours 8:00a.m. to 5:00 p.m., Monday through Friday, except on Federal holidays to communicate with the Contracting Officer (CO), Contracting Officers Representative (COR), or the Contracting Officers Technical Representative (COTR) to discuss contract and/or technical issues. The project manager and/or alternate shall be capable of receiving communications through an answering service or other continuous communication device, i.e. beeper, cell phone, etc. for providing prompt communications with the CO, COR, and COTR. The project manager or a designated alternate shall be on-call during the core hours of operation for all locations in Technical Exhibit 3 (7:00a.m. to 8:00 p.m. Central Time).

C.1.1.4.3 The project manager and alternate shall be designated by name in the contractor's proposal. Any proposed changes to these individuals must be identified in advance to the CO.

C.1.1.4.4 The contractor/project manager responsibilities shall include all related planning, programming, administration, management and supervision necessary to provide support as specified in the PWS. Contract performance shall be conducted in accordance with the contract, PWS, and all applicable Federal, State and local laws, regulations, and codes. The contractor shall be responsible for supervision of all contract personnel; Government employees will not perform any supervisory related functions for contract personnel performing under this contract/PWS.

C.1.1.5 Work Locations

C.1.1.5.1 The contractor shall provide maintenance support services at locations identified in Technical Exhibit 3.

C.1.1.5.2 Travel reimbursements for other than Routine and Callback Maintenance Services will be defined and approved, in advance of actual travel, by the CO. The method of travel, length of stay, number and qualifications of contractor personnel required will be determined on a trip-by-trip basis considering the services to be performed. All associated travel costs shall be in accordance with United States Federal Travel Regulations. All travel related costs will be reimbursed on a cost only basis (using Schedule B, CLIN 0011, 0027, 0042, 0057, 0072) and in accordance with these regulations.

C.1.1.6 Period of Performance

C.1.1.6.1 Support services provided under this contract shall be performed between the core hours of 8:00AM to 5:00PM, Local Time, at the site being serviced, Monday through Friday, excluding the holidays defined in C.1.1.6.2. Support services directed by Government to be performed outside of the core hours will be paid at the non-core hours premium rate defined in Schedule B, Contract Line Item Numbers 008, 024, 039, 054, 069, of the contract. The contractor will be notified as soon as possible when the Government requires maintenance support services outside of core duty hours. The contractor shall request approval from the CO, COR or COTR before performing support services outside the core hours.

C.1.1.6.2 Contract personnel shall not normally be expected to provide support services on established Federal holidays or on days observed in lieu of the holiday (except in emergency situations). The following is a list of Federal holidays:

January 1, New Years Day  
Third Monday in January, Martin Luther King Day  
Third Monday in February, President's Day  
Last Monday in May, Memorial Day  
July 4, Independence Day  
First Monday in September, Labor Day  
Second Monday in October, Columbus Day  
November 11, Veteran's Day  
Fourth Thursday in November, Thanksgiving Day  
December 25, Christmas Day  
Any other day/time designated by Federal Statute, Executive Order, or Presidential Proclamation.  
Adverse weather conditions or national emergencies may require the FAA sites to close.

Working shift Hours: When on FAA site, contractors shall work between the hours of 6:00 a.m. and 6:00 p.m. Monday through Friday except for Federal Holidays unless it is an emergency. Temporary shift changes may be necessary to accommodate unusual workload schedules. The Contracting Officer through the COTR will determine when critical requirements necessitate shift changes. Hours worked that do not fall within the core hours will be paid under CLIN 008, 024, 039, 054, 069.

### C.1.1.7 Transition Plans

C.1.1.7.1 Phase-In: It is essential to the Government that on-going support services required under this PWS be performed without interruption. Consequently, it is imperative that transition to full contract performance be accomplished in an efficient manner. The incoming contractor shall prepare a written phase-in plan and coordinate phase-in activities with the current contractor. A draft plan shall be submitted with the contractor's proposal. Transition phase shall take no longer than 30 calendar days.

C.1.1.7.2 Phase-Out: At the conclusion of the contract, the outgoing contractor shall be required to assist in the orderly phase-in of the new contractor. When directed by the CO, the outgoing contractor shall develop a recommended transition plan to assist in an effective turnover of on-going support services. Transition phase shall take no longer than 30 calendar days.

### C.1.1.8 Quality Performance

C.1.1.8.2 Quality Control: The contractor shall develop a quality control plan to assure that maintenance support services provided under this contract meet the highest quality control standards. A quality control plan shall be submitted with the proposal.

C.1.1.8.3 Quality Assurance: The Government will monitor the contractor's performance under this contract. Performance shall be considered acceptable when it meets requirements of the contract and PWS. If performance is considered unacceptable, the Government will meet with the project manager to discuss actions to correct the less than satisfactory areas of performance.

### C.1.2.0 Definition of Terms

CDRL--Contract Data Requirements List (CDRL) see Section J, Attachments.

Contracting Officer (CO) The person authorized on behalf of the Government to negotiate, award, administer and modify contracts. Except for certain limited authority delegated by the CO to a Contracting Officer's Representative (COR), Contracting Officer's Technical Representative (COTR), the CO is the only individual with authority to direct the work of the contractor.

Contracting Officer's representative (COR) An authorized Government representative(s) acting within the limits of their delegated authority as authorized in writing by the CO, for representation and management of the contract.

Contracting Officer's Technical Representative (COTR) An authorized Government representative(s) acting within the limits of their delegated authority as authorized in writing by the CO, for representation and technical management of the contract.

Contractor The term contractor, as used herein, refers to both the prime contractor and any subcontractors. The prime contractor shall be responsible for ensuring that subcontractors comply with provisions of the contract.

Core Hours 8:00AM to 5:00PM Local Time at the site being serviced, Monday through Friday, excluding federal holidays.

CLIN -- Contract Line Item Number (CLIN) The CLIN is identifiable and applicable to the appropriate Option Year that is the current working year of the contract.

Non-Core Hours Time worked other than that identified under Core Hours (8:00AM to 5:00PM Local Time) at the site being serviced, including federal holidays.

Ordering Officer: The FAA Contracting Officer shall designate FAA person(s) that is the FAA person authorized and responsible for placing an order for services with the contractor.

Performance Work Statement A document that describes the essential and technical requirements for maintenance tasks or services to be performed and standards used to determine whether the requirements have been met. Contract Section C, C.1 Performance Work Statement.

Quality Assurance Those actions taken by the Government to assure services meet requirements of the PWS.

Quality Control Those actions taken by a contractor to control the performance of services so that they meet the requirement of the PWS.

Response Time That period of time from when the Government informs the contractor of a need for support services until the time the contractor personnel arrives on site to provide support services.

Software Revisions Revisions to an existing software product that contain contractor sponsored modifications and corrections of existing errors.

Software Upgrade Versions A new version of a software product that contains significant improvements in functionality and/or a new approach.

C.1.3.0 Contractor Furnished Property and Services

C.1.3.1 The contractor shall provide all personnel, labor, services, parts, administrative services and supervision to perform the requirements of this PWS. The contractor shall provide related equipment and supplies necessary for accomplishing support services as defined in this PWS.

C.1.3.2 The contractor may be required to purchase miscellaneous equipment and/or materials as authorized in writing by the CO. If these items are provided to the contractor for use in accomplishing the requirements of the PWS, they shall be considered property of the Government and treated as GFP in accordance with the terms and conditions of the contract. These actions will be accomplished IAW Section G, Clause 3. Upon completion of negotiations, the Contracting Officer will issue a bilateral modification to the contract to confirm the requested change.

C.1.3.3 The contractor shall provide and maintain general use hand tools commonly associated with computer maintenance/repair. Contractor employees shall be responsible for security of their tools. These tools shall not be considered government furnished equipment.

C.1.4. Support Services Required

C.1.4.1 General Support Requirements

C.1.4.1.1 The contractor shall provide maintenance support services including hardware, software and labor to maintain IAPA system(s) in operational condition. Maintenance Support Services shall ensure that hardware and software are maintained to operate at optimum performance. The contractor shall establish a central point of contact to receive service calls during the hours of 7:00a.m. through 8:00 p.m., Central Time, excluding weekends and the holidays identified in PWS paragraph C.1.1.6.2

C.1.4.1.2 The contractor shall use only new and/or refurbished parts that meet or exceed the performance of new standard parts in performing Routine or Callback Support Services. When approved by the CO, COR, or COTR, a mail swap out of hardware will be acceptable. Defective parts that are removed by the contractor and replaced with new and/or refurbished parts shall become the property of the contractor.

C.1.4.1.3 When approved by the COTR, the contractor may substitute items that do not negatively impact performance of the IAPA system.

C.1.4.1.4 When the contractor removes or replaces government equipment valued over \$2,500.00 or changes the location(s) of said property, the contractor shall notify the CO, COR, and COTR. The equipment shall be controlled as GFP in accordance with the contract.

C.1.4.1.5 The contractor may be required to provide maintenance support services on systems that have been altered, expanded, or have attachments installed by the FAA and/or added to new locations. These actions will be accomplished by submission of an Engineering Change Proposal for review and approval by the FAA. Upon completion of negotiations, the Contracting Officer will issue a bilateral modification to the contract to confirm the requested change.

C.1.4.1.6 The contractor shall maintain the current software licenses as part of the Routine Support Services rates defined in Schedule B CLIN 002, 003, 004, 005, 018, 019, 020, 021, 033, 034, 035, 036, 048, 049, 050, 051, 063, 064, 065, 066, of the applicable contract option year period.

C.1.4.1.7 The contractor shall not be responsible for maintenance support services of the following:

- a. Electrical work external to IAPA systems,
- b. System components damaged as a result of transportation between Government sites by GBL
- c. Equipment damage due to Government neglect, misuse
- d. Damage due to failure of electrical power, air-conditioning, humidity control.
- e. Acts of God, (storm, flood, wind, fire).

C.1.4.1.7.1 If the Government requests the contractor to perform maintenance services as a result of any of the actions above, the Government will reimburse the contractor by means of an over-and-above action. Government will prepare a Task Order Work Statement describing the effort, the contractor will be required to submit a cost proposal covering cost of completing the work required under the Task Order Work Statement, (See Section G, Clause 3). Upon completion of negotiations and agreement between the parties as to cost and performance, an Over-and-Above work order will be issued under this contract line item (CLINS) 009, 025, 040, 055, 072.

C.1.4.1.8 The contractor may be directed in writing by the CO, to install or implement alteration, expansions or attachments to one or more IAPA systems. If alterations, expansions or attachments are to be made to IAPA systems a contract modification will be negotiated to cover such services. The process will be the same as provided for under PWS paragraph C.1.4.1.7.1 above.

C.1.4.1.9 If directed by the CO, the contractor shall be responsible for transportation of IAPA system(s) to be moved from or to another location. The CO, COR, or COTR will provide advance notice to the contractor defining IAPA system(s) to be moved, date(s), from/to locations, requirements for disassembly and/or reassembly of the system(s). The Government will reimburse the contractor for costs associated with disassembly and reassembly at the fixed hourly rate for Callback Support Services in Schedule B, CLIN 006, 022, 037, 052, 067, of the contract. This shall be accomplished during core duty hours.

C.1.4.1.10 Acquisition of additional hardware or software required to implement an update or upgrade will be at the Government's expense. The process will be the same as provided for under PWS paragraph C.1.4.1.7.1 above. The CO will issue a contract modification that identifies the effective date of required services, type and/or model number (s) of hardware and software to be serviced and price in Schedule B, CLIN 010, 026, 041, 056, 071, of the contract. Routine Support Service for new equipment shall begin immediately upon completion of any warranty period.

#### C.1.4.2 Routine Maintenance Support Services

C.1.4.2.1 Routine Maintenance Support Services shall include all labor, parts and software necessary to maintain systems in operational condition at all user locations as identified in Technical Exhibit 3. Routine Maintenance Support Services shall normally be performed between the core hours of 8:00AM to 5:00PM Local Time at the site being serviced. Routine Maintenance Support Services for all locations defined in Technical Exhibit 3 shall be performed under the monthly fixed rates in Schedule B, CLINS 001-005, 017-021, 032-036, 047-051, 062-066, of the contract.

C.1.4.2.2 At the Mike Monroney Aeronautical Center and after notification by the FAA CO, COR, or COTR, the contractor shall respond within four (4) hours or less. The contractor shall then either repair or replace the inoperative item, part, system, etc. within one workday after the contractor's initial response, unless an extension is authorized by the CO, COR, or COTR for a valid reason. If the Government notification does not allow the contractor sufficient time (based on the four hour time limit) to respond by 5:00PM, the contractor shall respond by no later than 8:00AM the next workday. Performance is included in the fixed monthly rate defined in Schedule B, CLINS 001-005, 017-021, 032-036, 047-051, 062-066 of the contract.

C.1.4.2.3 At all other locations defined in Technical Exhibit 3 and after notification by the CO, the contractor shall respond by no later than the close of business of the next workday. The contractor shall then either repair or replace the inoperative item, part, system, etc. within two workdays after the contractor's initial response unless an extension is authorized by the CO, COR, or COTR for a valid reason. Performance is included in the fixed monthly rates defined in Schedule B, CLINs 001-005, 017-021, 032-036, 047-051, 062-066, of the contract.

#### C.1.4.3 Callback Maintenance Support Services

C.1.4.3.1 Callback support and maintenance services outside the core hours of Routine Maintenance and/or on weekends or holidays. Upon notification from the CO, COR, COTR, that a system is inoperative or not functioning properly, the contractor shall perform Callback Maintenance Support Services in accordance with Section B, CLIN 006, 022, 037, 052, 067, of the contract.

C.1.4.3.2 At the Mike Monroney Aeronautical Center, the contractor shall respond within four (4) hours or less time. The contractor shall then either repair or replace the inoperative item, part, system, etc. within one workday after the contractor's initial response unless an extension is authorized by the CO, COR, or COTR for a valid reason. Payment will be at the fixed hourly rate defined in Schedule B, CLIN 006, 022, 037, 052, 067.

C.1.4.3.3 At all other locations defined in Technical Exhibit 3, the contractor shall respond prior to close of business of the next workday. The contractor shall then either repair or replace the inoperative item, part, system, etc. within two workdays after the contractor's initial response unless an extension is authorized by the CO, COR, or COTR for a valid reason. Payment will be at the fixed hourly rate defined in Schedule B, CLIN 006, 022, 037, 052, 067.

#### C.1.5.0 Technical Software Support Services

C.1.5.1 The contractor shall provide technical maintenance support services, via telephone and email communications from Autometric for the Autometric EdgeTool Kit, for associated software used in support of IAPA program. Autometric shall provide software support for the product.

C.1.5.2 The contractor shall provide a point of contact at Autometric, telephone number, and email address for technical support personnel. Support service shall be available between the hours of 0800 and 1700 Eastern Time. Technical Support Services shall be performed at the fixed monthly rate identified in Schedule B, CLIN 005, 021, 036, 051, 066, of the contract.

C.1.5.3 The Contractor shall keep current on software revisions and version upgrades. Within 90 days of the release of a revision or upgrade to the software operating system, the contractor shall provide one copy of the revision or upgrade and all supporting documentation to the COTR on appropriate distribution media for evaluation of impact to the IAPA system. (See Section J, Attachments, Contractor Data Requirements List (CDRL) 001)

#### C.1.6.0 Transportation and Shipping

C.1.6.1 For transportation of IAPA system(s) to be moved from or to another location, the contractor will be reimbursed for any associated shipping costs. The CO may authorize the contractor to ship by commercial carrier on a prepaid basis by Government Bill of Lading.

C.1.6.2 When authorized in writing, the CO, COR, or COTR may direct the contractor to ship replacement parts by overnight shipment. The Government will be responsible for shipment of defective parts to the contractor. Overnight shipping cost will be reimbursed to the contractor under the transportation line item in Schedule B, CLIN 012, 028, 043, 058, 073.

#### C.1.7.0 Reports

C.1.7.1 The contractor shall keep the CO, COR and COTR informed of all problems that will impact or may potentially impact any aspect of system and/or contract performance.

C.1.7.2 The contractor shall furnish a signed malfunction incident report to the Contracting Officer upon completion of each support service call. This report (See Section J, Attachments, CDRL 002) may be delivered as an email message. The report shall include as a minimum, the following:

- Date and time notified
- Date and time of arrival
- Type and serial number of serviced hardware and/or software
- Description of support service provided

C.1.7.3 The contractor shall furnish a signed malfunction report to the COTR at the end of each calendar month. (See Section J, Attachments, CDRL 003) The report shall include as a minimum the following:

- Type and number of serviced hardware and/or software
- Description of malfunction
- Type of Support service provided
- Breakdown of hardware and software malfunctions by type

C.1.7.4 The contractor shall maintain an Excel database of hardware and software malfunctions.

C.1.7.5 The contractor shall provide the COTR a monthly listing of equipment location that has been moved to a different location or removed for repair. The listing shall include equipment type, FAA bar code, and serial number. (See Section J, Attachments, CDRL 004)

#### C.1.8.0 Deliverables and Schedules

The contractor shall furnish deliverables as specified and agreed upon in the contract or in accordance with schedules defined in the contract/PWS.

#### C.1.9.0 Applicable Regulations and Manuals

The contractor shall have access to all directives, manuals, policies and regulations available in AVN. Any additional documentation required in performance of this contract is the responsibility of the contractor.

#### C.1.10.0 TECHNOLOGY UPGRADE--Next Generation System

C.1.10.1 The current IAPA IRIX 6.2 operating system is becoming obsolete. In addition, there is a potential security risk with the current system due to the fact that if a security loophole is detected, there may not be support to correct the deficiency. Potential alternatives to the current system include upgrading to IRIX 6.5 with a 9 gigabyte drive and 512 MB memory chips. At the direction of the contracting officer, a technology upgrade proposal will be requested from the contractor. This requirement can only be implemented by written notification to the contractor by the Contracting Officer. It is not know at this time when or if this requirement will be exercised.

C.1.10.2 Another approach might be to replace the current Indigo workstations with the newer generation SGI Octane workstations. This approach would require an upgrade of Sybase to Sybase Enterprise or moving the IAPA database to Oracle i. Changing to Oracle i would require 12 servers with an operating system compatible with Oracle i. This option would also require the revalidation of the IAPA software and tools.

C.1.10.3 When requested in writing by the Contracting Officer, the contractor shall develop a detailed plan and fixed price proposal for implementing a technology upgrade for the IAPA system. The Government will provide system performance specification requirements and maintenance requirements based on the alternatives mentioned above or based on any other technically acceptable and cost effective approach offered by the contractor. The contractor

shall provide with its proposal, its recommended plan(s) for replacing the existing IAPA system describing the benefits, the maintenance support concept, and an implementation schedule.

C.2 DEFINITIONS

(a) "Contractor's Cost"--means the net cost to the contractor (after deducting cash or trade discounts, rebates, commissions and any other allowances and credits available to the contractor, regardless of date purchased, plus properly identified and supported freight or transportation costs) for parts acquired by the contractor for performance under this contract.

(b) "Direct Labor Hours"--means those hours of labor which are identifiable as being performed directly on an item/task of the contract and which serve as the basis for payment of the Hourly Composite Rate set forth in Section B. The method of charging direct labor hours to this contract must conform to the contractor's accepted normal accounting practices and procedures, and allow for verification to the sources of the costs incurred. The term Direct Labor Hours does NOT include time for the indirect work of overhead and supervisory employees

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