

PO # A66747D (MXS)

Addenda:

NASA Ames Accounting and Appropriation Data			
Line item	Job Order	Appropriation Data	Total Amount
1	H1791	802/30110	\$42,000.00
2	H5846	802/30110	\$37,840.00

For Voquette invoicing purposes:

The contractor will invoice for 2 separate Line Items totaling \$79,840.00, the cost for implementation of Phase Two of "Airline Passenger Identification and Threat Assessment (APITAS)", as follows:

P.O. # A66747D (MXS)

19. Item No.	20. Schedule of Supplies/Services	21. Quantity	22. Unit	23. Unit Price	24. Total Amount
1	See Description on Page 1, Partial Payment	1	JB		\$42,000.00
2	Partial Payment	1	JB		\$37,840.00
26. Total Award Amount					\$79,840.00

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	<p>For technical inquiries relating to this order, please contact: Francisco Torres, 650-604-4619 or Mary Livingston, 650-604-0148</p> <p>Reference Taxpayer Identification Number (TIN) on all invoices. Payment cannot be processed without this information.</p> <p>IMPORTANT INFORMATION REGARDING SHIPMENT: PLEASE INCLUDE PURCHASE ORDER NUMBER (A66747D) ON ALL SHIPMENTS AND DELIVERIES Direct inquires regarding this order to: Marianne Shelley Ph: 650-604-4179 Fax: 650-604-4357 Email: mshelley@mail.arc.nasa.gov</p>				
<p>32a. QUANTITY IN COLUMN 21 HAS BEEN <input type="checkbox"/> RECEIVED <input type="checkbox"/> INSPECTED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED: _____</p>					
32b. SIGNATURE OF AUTHORIZED GOVT REPRESENTATIVE		32c. DATE	32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE		
32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE			32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE		
			32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE		
33. SHIP NUMBER <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR	36. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		37. CHECK NUMBER
38. S/R ACCOUNT NO.	39. S/R VOUCHER NO.	40. PAID BY			
41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT			42a. RECEIVED BY (<i>Print</i>)		
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER		41c. DATE	42b. RECEIVED AT (<i>Location</i>)		
			42c. DATE REC'D (<i>YY/MM/DD</i>)		42d. TOTAL CONTAINERS

PO # A66747D (MXS)

ADDENDA:

Reference Voquette, Inc. Phase Two Proposal provided by Marc Baum of Voquette, Inc.

CLAUSES INCORPORATED BY REFERENCE (FAR 52.252-2) (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these addresses:

<http://www.arnet.gov/far/>

<http://www.hq.nasa.gov/office/procurement/regs/nfstoc.htm>

http://server-mpo.arc.nasa.gov/Services/Proc/ProcDocs/Center_Clauses/Index.html

1852.204-74, Central Contractor Registration (OCT 2001)

1852.215-84, Ombudsman, (Insert: Thomas Moyles (650) 604-5073) (JUN 2000)

1852.223-72, Safety and Health (Short Form) (MAY 2001)

ARC 52.232-93, SUBMISSION OF INVOICES--FIXED PRICE (FEB 1998)

(a) Invoices shall be submitted to the Accounting Operations Branch, M/S 203-18, Ames Research Center, Moffett Field, CA 94035-1000, in quadruplicate (an original and three copies).

(b) Reporting Requirements Under Taxpayer Relief Act of 1997

(1) The Taxpayer Relief Act of 1997, enacted August 5, 1997, requires Federal executive agencies to file information returns (i.e., Form 1099-MISC) for payment of \$600 or more to corporations for services. Payments for services under certain confidential or classified contracts that meet the requirements of Internal Revenue Code Section 6050M(e) are excluded from the reporting requirements. This change became effective as of January 1, 1997.

(2) In order to comply with the Act, the contractor shall separately subtotal taxable services and nontaxable materials and supplies on each invoice. If subtotals are not specified on the invoices, the Government will presume that the entire invoice amount is reportable and will be shown on the Form 1099-MISC generated by NASA and provided to the contractor and the Internal Revenue Service.

(c) Invoices shall denote the numerical sequence of the invoice, and shall include the contract number, delivery order number (if any), Taxpayer Identification Number (TIN#), contract line item number(s), description of supplies or services, quantities, unit prices, and extended totals. If shipped on Government Bill of Lading, indicate Bill of Lading number and weight of shipment.

(d) This contract does does not provide for partial payments. If applicable, payments will be made in accordance with the following schedule:

(End of provision)

STATEMENT OF WORK

P.O # A66747D (MXS)

Background

Following the tragic events of September 2001, it is now clear that there are numerous opportunities for improving our aviation security processes and reducing flight risks by using better processes enhanced with next-generation information technologies. In response to the White House's request that "every governmental agency should examine its capability to aid the nation in the fight against terrorism," the National Aeronautics and Space Administration (NASA) and the Ames Research Center (NASA's Center of Excellence for Information Technologies (including the Information Power Grid (IPG), the supercomputing capability (the single image Silicon Graphic computer with 1024 processors), advanced research in intelligent systems, and human-centered computing technology) have risen to the task, with the belief that the research and development of the IT systems existing at Ames might bring a possible solution to the information management and distribution for the entire national airspace system, as well as other modes of transportation.

NASA Ames has already established itself as the research center for several decision support tools for the Federal Aviation Administration (FAA) in the air traffic management system. Therefore, utilization of advanced information technology capability will be a natural extension and become a potential tool to ensure a safer system for the nation's transportation systems.

NASA Ames' response to this challenge has been to create the Airline Passenger Identification and Threat Assessment (APITAS) in conjunction with Voquette, Inc. Phase One of the APITAS system was developed jointly by NASA Ames and Voquette, Inc. and deployed within the NASA Ames facilities from late 2001 to early 2002 (P.O. # A65489D). This Statement of Work describes the work to be delivered in Phase Two of the project.

APITAS Phase Two Tasks

While the initial Phase of the APITAS project showed the information management and link analysis capabilities of NASA Ames in a controlled, demonstration mode, Phase Two of the project will pursue additional developments towards the goal of an actual working system. This phase has the following primary tasks:

- 1) Transition the current Voquette implementation completely onto the NASA Ames computers and networks.
- 2) Enhance current real-time content and knowledge data streams with additional and improved content.
- 3) Improve the current organization of the data in the "World Model" and "Knowledgebase."
- 4) Assist in the integration of data from recently installed laboratory biometric sensors.
- 5) Integrate passenger information from LexisNexis.
- 6) Develop improvements to the front-end applications, with a primary focus on the interrogation kiosk.

The APITAS Phase Two implementation will extend the capabilities of the initial APITAS system in a number of ways:

- 1) Integration of LexisNexis personal information directly into the application.
- 2) Integration of front-end user interfaces with backend semantic engine (see [Appendix II](#)), and Biometric and other data inputs.
- 3) Improved GUI to better represent the underlying relationship modeling and link correlations.
- 4) Improved user interface for the knowledge browsing component, using graphical representations.
- 5) Improved Link Analysis and Relationship detection.
- 6) Expanded list of knowledge and content sources (see [Appendix III](#) for current sources used).
- 7) Wizards will be added to simplify common queries.

PO # A66747D (MXS)

Project Resources

Because of the aggressive schedule for this Phase of the project and the constraint of personnel resources available within NASA Ames, Phase Two of the project will be staffed primarily by Voquette personnel. NASA Ames will retain project oversight, and be available for consultation, but Voquette, Inc will perform most development.

The period of performance will be July 31, 2002 through August 22, 2002, with the tasks completed in time for a planned demonstration for Representatives of the U.S. Congress on August 23, 2002. Upon successful completion of the listed tasks, and acceptance of the project work by the NASA requester, Voquette, Inc. may submit its invoice for payment.

Appendix I - Project Resources

NASA APITAS Phase II
Voquette Resource Plan as of July 24, 2002

Task	Level	Persons	Days	Total
1) System Design				
a) Specify application capabilities and behavior	Senior Eng	2	3	6
b) Extend the WorldModel	Senior Eng	1	2	2
c) Modify the Knowledgebase	Senior Eng	1	3	3
d) Design the application GUI	GUI expert	1	4	4
2) Implementation				
a) Write 5 Knowledge Extractors (PDF, text, HTML, XML, DB, ...)	Eng. or K. Er	1	3	3
b) Write 5 Content Extractors (text, HTML, XML, DB, ...)	Eng. or K. Er	1	3	3
c) Implement application logic (based on 1a-d)				
c1) link scoring and relationship detection	Engineer	1	4	4
c2) GUI improvements - general and Knowledge Browser	Engineer	1	4	4
c3) Biometric adapters	Engineer	1	1	1
c4) LexisNexis adapters	Engineer	1	2	2
c6) Wizard development and implementation	Engineer	1	2	2
c7) Control module enhancements	Engineer	1	2	2
d) Integrate GUI and application logic	Engineer	1	6	6
3) Test and Tune				
a) QA and bug fixing	QA Eng.	1	10	10
b) Application refinement	Engineer	2	4	8
c) fine-tune system (KB, Application, Performance/Installation)	Engineer	2	3	6
4) Installation + Training				
a) SW installation and 3rd party HW integration	Engineer	1	1	1
b) Training (basic)	Engineer	1	2	2
c) Transition software to Lab computers and ORACLE DB		1	2	2
5) Project Management				
	Proj. Mgr.	1	10	10
Total Man Days				81

PO # A66747D (MXS)

Appendix II - Integrate UI with Semantic Engine

The screenshot displays a flight information system interface. On the left, a table lists flight details including flight number, departure time, destination, gate, status, and aircraft. On the right, a 3D perspective view of an airport terminal is shown, with a small inset table below it. The interface includes a navigation menu at the top and a status bar at the bottom.

Flight	Depart	Dest	Gate	Stg	Av	Max	AM	Peak
UA 2342	13:51	ORD	15	109	24	66	C	F
AA 3844	12:56	LAS	12	94	34	81	R	F
AC 1483	14:51	SEA	22	105	21	54	C	F
ZV 6400	14:04	CVG	7	109	20	50	C	F
AQ 3641	14:05	PHX	9	84	27	77	I	F
T2 7556	14:06	LAX	11	86	45	52	C	F
CO 2573	14:11	BNA	20	104	29	80	C	F
DL 3591	14:13	TPA	14	83	26	50	C	F
ED 6941	15:20	CLF	15	77	26	51	C	F
ED 1291	15:30	STL	17	77	26	51	C	F
AA 1732	15:33	PHX	17	77	26	51	C	F
WA 3654	15:35	DCA	5	72	45	81	C	F
D. 2074	15:42	ATL	3	75	36	80	C	F
DL 8198	15:44	MIA	2	89	25	60	C	F
CO 8473	15:45	IAH	25	81	36	79	C	F
CO 1038	15:46	PHX	24	69	39	81	C	F
UA 6879	17:02	JFK	18	75	33	78	C	F
UA 9284	17:03	MCO	1	77	31	63	C	F
AA 1038	17:08	DCA	17	64	29	53	C	F
AA 8473	17:09	EWR	21	82	20	50	C	F

Local Airport Overview

Agents: JM3537

Page 8 of 12

Appendix III - Knowledge and Content sources aggregated and tagged

Knowledge Sources	Content Sources
FBI - Most Wanted Terrorists	Africa News Service
Denied Persons Lists	AFX News – Asia/UK/Europe
Terrorism Files	AP Worldstream
ICT	Asia Pulse
Office of Foreign Asset Control (OFAC)	BusinessWire
Hamas terrorists	ComputerWire (CTW)
CNN Locations	EFE News Services
FAA Airport Codes	FWN Select
About.com	Itar-TASS
Comtex International	Knight Ridder News (Open)
Hindustan Times	Knight-Ridder Open
JerusalemPost	M2 - International
CNN	M2 Airline Industry Information
Newstrove Hamas	New World Publishing
	PR Newswire
	PRLine (PRL)
	Resource News International
	RosBusiness
	United Press International
	UPI Spotlights

(End of Statement of Work)

52.212-5 Contract Terms and Conditions Required to Implement Statutes or Executive Orders--Commercial Items (Dec 2001)

(a) The Contractor shall comply with the following FAR clauses, which are incorporated in this contract by reference, to implement provisions of law or executive orders applicable to acquisitions of commercial items:

- (1) 52.222-3, Convict Labor (E.O. 11755).
- (2) 52.233-3, Protest after Award (31 U.S.C. 3553).

(b) The Contractor shall comply with the FAR clauses in this paragraph (b) that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items or components:

[Contracting Officer must check as appropriate.]

- (1) 52.203-6, Restrictions on Subcontractor Sales to the Government, with Alternate I (41 U.S.C. 253g and 10 U.S.C. 2402).
- (2) 52.219-3, Notice of Total HUBZone Small Business Set-Aside (Jan 1999).
- (3) 52.219-4, Notice of Price Evaluation Preference for HUBZone Small Business Concerns (Jan 1999) (if the offeror elects to waive the preference, it shall so indicate in its offer).
- (4)(i) 52.219-5, Very Small Business Set-Aside (Pub. L. 103-403, section 304, Small Business Reauthorization and Amendments Act of 1994).
- (ii) Alternate I to 52.219-5.

PO # A66747D (MXS)

- (iii) Alternate II to 52.219-5.
- (5) 52.219-8, Utilization of Small Business Concerns (15 U.S.C. 637 (d)(2) and (3)).
- (6) 52.219-9, Small Business Subcontracting Plan (15 U.S.C. 637(d)(4)).
- (7) 52.219-14, Limitations on Subcontracting (15 U.S.C. 637(a)(14)).
- (8)(i) 52.219-23, Notice of Price Evaluation Adjustment for Small Disadvantaged Business Concerns (Pub. L. 103-355, section 7102, and 10 U.S.C. 2323) (if the offeror elects to waive the adjustment, it shall so indicate in its offer).
- (ii) Alternate I of 52.219-23.
- (9) 52.219-25, Small Disadvantaged Business Participation Program--Disadvantaged Status and Reporting (Pub. L. 103-355, section 7102, and 10 U.S.C. 2323).
- (10) 52.219-26, Small Disadvantaged Business Participation Program--Incentive Subcontracting (Pub. L. 103-355, section 7102, and 10 U.S.C. 2323).
- (11) 52.222-21, Prohibition of Segregated Facilities (Feb 1999)
- (12) 52.222-26, Equal Opportunity (E.O. 11246).
- (13) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (38 U.S.C. 4212).
- (14) 52.222-36, Affirmative Action for Workers with Disabilities (29 U.S.C. 793).
- (15) 52.222-37, Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (38 U.S.C. 4212).
- (16) 52.222-19, Child Labor--Cooperation with Authorities and Remedies (E.O. 13126).
- (17)(i) 52.223-9, Estimate of Percentage of Recovered Material Content for EPA-Designated Products (42 U.S.C. 6962(c)(3)(A)(ii)).
- (ii) Alternate I of 52.223-9 (42 U.S.C. 6962(i)(2)(C)).
- (18) 52.225-1, Buy American Act--Balance of Payments Program--Supplies (41 U.S.C. 10a - 10d).
- (19)(i) 52.225-3, Buy American Act--North American Free Trade Agreement--Israeli Trade Act--Balance of Payments Program (41 U.S.C. 10a - 10d, 19 U.S.C. 3301 note, 19 U.S.C. 2112 note).
- (ii) Alternate I of 52.225-3.
- (iii) Alternate II of 52.225-3.
- (20) 52.225-5, Trade Agreements (19 U.S.C. 2501, et seq., 19 U.S.C. 3301 note).
- (21) 52.225-13, Restriction on Certain Foreign Purchases (E.O. 12722, 12724, 13059, 13067, 13121, and 13129).
- (22) 52.225-15, Sanctioned European Union Country End Products (E.O. 12849).
- (23) 52.225-16, Sanctioned European Union Country Services (E.O. 12849).
- (24) 52.232-33, Payment by Electronic Funds Transfer--Central Contractor Registration (31 U.S.C. 3332).
- (25) 52.232-34, Payment by Electronic Funds Transfer--Other than Central Contractor Registration (31 U.S.C. 3332).
- (26) 52.232-36, Payment by Third Party (31 U.S.C. 3332).

PO # A66747D (MXS)

- (27) 52.239-1, Privacy or Security Safeguards (5 U.S.C. 552a).
- (28)(i) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (46 U.S.C. 1241).
- (ii) Alternate I of 52.247-64.

(c) The Contractor shall comply with the FAR clauses in this paragraph (c), applicable to commercial services, which the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or executive orders applicable to acquisitions of commercial items or components:

[Contracting Officer check as appropriate.]

- (1) 52.222-41, Service Contract Act of 1965, As Amended (41 U.S.C. 351, et seq.).
- (2) 52.222-42, Statement of Equivalent Rates for Federal Hires (29 U.S.C. 206 and 41 U.S.C. 351, et seq.).
- (3) 52.222-43, Fair Labor Standards Act and Service Contract Act—Price Adjustment (Multiple Year and Option Contracts) (29 U.S.C. 206 and 41 U.S.C. 351, et seq.).
- (4) 52.222-44, Fair Labor Standards Act and Service Contract Act—Price Adjustment (29 U.S.C. 206 and 41 U.S.C. 351, et seq.).
- (5) 52.222-47, SCA Minimum Wages and Fringe Benefits Applicable to Successor Contract Pursuant to Predecessor Contractor Collective Bargaining Agreement (CBA) (41 U.S.C. 351, et seq.).

(d) Comptroller General Examination of Record. The Contractor shall comply with the provisions of this paragraph (d) if this contract was awarded using other than sealed bid, is in excess of the simplified acquisition threshold, and does not contain the clause at 52.215-2, Audit and Records--Negotiation.

(1) The Comptroller General of the United States, or an authorized representative of the Comptroller General, shall have access to and right to examine any of the Contractor's directly pertinent records involving transactions related to this contract.

(2) The Contractor shall make available at its offices at all reasonable times the records, materials, and other evidence for examination, audit, or reproduction, until 3 years after final payment under this contract or for any shorter period specified in FAR Subpart 4.7, Contractor Records Retention, of the other clauses of this contract. If this contract is completely or partially terminated, the records relating to the work terminated shall be made available for 3 years after any resulting final termination settlement. Records relating to appeals under the disputes clause or to litigation or the settlement of claims arising under or relating to this contract shall be made available until such appeals, litigation, or claims are finally resolved.

(3) As used in this clause, records include books, documents, accounting procedures and practices, and other data, regardless of type and regardless of form. This does not require the Contractor to create or maintain any record that the Contractor does not maintain in the ordinary course of business or pursuant to a provision of law.

(e) Notwithstanding the requirements of the clauses in paragraphs (a), (b), (c) or (d) of this clause, the Contractor is not required to include any FAR clause, other than those listed below (and as may be required by an addenda to this paragraph to establish the reasonableness of prices under Part 15), in a subcontract for commercial items or commercial components--

- (1) 52.222-26, Equal Opportunity (E.O. 11246);
 - (2) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (38 U.S.C. 4212);
 - (3) 52.222-36, Affirmative Action for Workers with Disabilities (29 U.S.C. 793);
 - (4) 52.247-64, Preference for Privately-Owned U.S. Flag Commercial Vessels (46 U.S.C. 1241) (flow down not required for subcontracts awarded beginning May 1, 1996); and
 - (5) 52.222-41, Service Contract Act of 1965, As Amended (41 U.S.C. 351, et seq.).
- (End of Clause)

PO # A66747D (MXS)

Alternate I (Feb 2000). As prescribed in 12.301(b)(4), delete paragraph (d) from the basic clause, redesignate paragraph (e) as paragraph (d), and revise the reference to "paragraphs (a), (b), (c), or (d) of this clause" in the redesignated paragraph (d) to read "paragraphs (a), (b), and (c) of this clause".

SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30				1. REQUISITION NO. APS 110	PAGE 1 OF 2
2. CONTRACT NO.	3. AWARD/EFFECTIVE DATE See Block 31c	4. ORDER NO. A65489D (MXS)	5. SOLICITATION NO.	6. SOLICITATION ISSUE DATE	
7. FOR SOLICITATION	a. NAME	b. TELEPHONE NO. (No collect calls)		8. OFFER DUE DATE/LOCAL TIME	
9. ISSUED BY NASA Ames Research Center Acquisition Branch for Aeronautics Mail Stop JAZ: 227-4 Moffett Field, CA 94035-1000	CODE JAZ	10. THIS ACQUISITION IS <input type="checkbox"/> UNRESTRICTED <input checked="" type="checkbox"/> SET ASIDE: 100% FOR <input checked="" type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> SMALL DISADV. BUSINESS <input type="checkbox"/> 8(A) NAICS: 541511 SIZE: \$18.0		11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input type="checkbox"/> SEE SCHEDULE 13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700) 13b. RATING C9	12. DISCOUNT TERMS Net 30
15. DELIVER TO NASA Ames Research Center Receiving Section, Building 255 Moffett Field, CA 94035-1000 Attn: M. Livingston, M/S 258-1, 4-0148	CODE JFS	16. ADMINISTERED BY Attn: Marianne Shelley, Ph. 650-604-4179 Fax: 650-604-4357 Email: mshelley@mail.arc.nasa.gov		CODE JAZ	
17a. CONTRACTOR/ OFFEROR Voquette, Inc. 1510 Fashion Island Blvd. Suite 115 San Mateo, CA 94404 Attn: James Lynch, Ph.: 650-356-3712 Fax: 650-356-3701	CODE 04086	FACILITY CODE 1WGY5	18a. PAYMENT WILL BE MADE BY NASA Ames Research Center Financial Management Branch Code CFS, Mail Stop 203-18 Moffett Field, CA. 94035-1000 Ph: 650-604-5315		CODE CFS
<input type="checkbox"/> 17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER			18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK BELOW IS CHECKED <input type="checkbox"/> SEE ADDENDUM		
19. ITEM NO. 01	20. SCHEDULE OF SUPPLIES/SERVICES NASA Passenger Profiler System (First deliverable due 12/31/01: \$29,280.00) (Second deliverable due 1/18/02: \$35,520.00) (Third deliverable due 2/19/02: \$31,040.00) ***See attached Statement of Work for description of work and deliverables.		21. QTY 1	22. UNIT LT	23. UNIT PRICE \$95,840.00
25. ACCOUNTING AND APPROPRIATION DATA PPC: NC APS 110 H5848 802/30110 TIN: 94-3328750					24. AMOUNT \$95,840.00
26. TOTAL AWARD AMOUNT (For Govt. Use Only) \$95,840.00					
<input type="checkbox"/> 27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4. FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA <input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED.					
<input checked="" type="checkbox"/> 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED. ADDENDA <input checked="" type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED.					
28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN _____ COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET <input type="checkbox"/> FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN.			29. AWARD OF CONTRACT: REFERENCE YOUR QUOTATION REV. 1.0 DATED 12/07/01. YOUR OFFER, INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS #1. <input checked="" type="checkbox"/>		
30a. SIGNATURE OF OFFEROR/CONTRACTOR			31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER) <i>Marie E. Dorish</i>		
30b. NAME AND TITLE OF SIGNER (TYPE OR PRINT)		30c. DATE SIGNED	31b. NAME OF CONTRACTING OFFICER (TYPE OR PRINT) Marie E. Dorish		31c. DATE SIGNED 12/19/01
32a. QUANTITY IN COLUMN 21 HAS BEEN <input type="checkbox"/> RECEIVED <input type="checkbox"/> INSPECTED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED			33. SHIP NUMBER <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR
32b. SIGNATURE OF AUTHORIZED GOVT REPRESENTATIVE		32c. DATE	35. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		37. CHECK NUMBER
41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT		38. S/R ACCOUNT NO.		39. S/R VOUCHER NO.	40. PAID BY
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER		41c. DATE	42a. RECEIVED BY (Print)		
			42b. RECEIVED AT (Location)		
			42c. DATE REC'D (YYMM/DD)	42d. TOTAL CONTAINERS	

Public reporting burden for this collection of information is estimated to average 45 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the FAR Secretariat (VRS), Office of Federal Acquisition Policy, GSA, Washington, DC 20405.

OMB No.: 9000-0136
Expires: 09/30/98

ADDENDA:

P.O. # A65489D (MXS)

Statement of Work for Aviation Security Software System Development

Voquette, Inc. will provide data access capabilities to support the development of a short term prototype for information acquisition, organization and understanding to enable verification of passenger identification, determination of potential threats, and, with a view toward a longer term capability, situation assessment to support dynamic screening characteristics and threat metrics. Specific requirements for this task are listed below.

- Develop data acquisition, integration and understanding environment for passenger screening. Working with ARC Aviation Security team, develop initial model of relevant data, determine sources of said data, and develop acquisition techniques for airline passenger screening.
- Develop data acquisition system and its interaction with user interfaces and security laboratory infrastructure. Document sources, standards applied, and search criteria including semantic search approach.
- Work with NASA Ames Research Center team to develop use cases to facilitate prototype applications and to support initial user types.
- Develop database structure based on definition on data model and to support the data processing that will enable acquired data to be analyzed for trends and anomalies.
- Demonstrate capability to extend models and to update existing data with new model definitions.

Deliverables:

December 31, 2001 – Installation, set-up, and design of system architecture (\$29,280.00).

January 18, 2002 – Initial world model and knowledge base, with dynamic content from at least 6 sources, integrated with at least 3 user interfaces (\$35,520.00).

February 19, 2002 – Final prototype with data and extracted content from at least 20 sources, supporting at least 5 user types. The deliverable shall also demonstrate the ability to modify the world model and update knowledge and content extractors accordingly (\$31,040.00).

For technical inquiries relating to this order, please contact: Mary Livingston, 650-604-0148

Reference Taxpayer Identification Number (TIN) on all invoices.
Payment cannot be processed without this information.

IMPORTANT INFORMATION REGARDING SHIPMENT:

PLEASE INCLUDE PURCHASE ORDER NUMBER (A65489D) ON ALL SHIPMENTS AND DELIVERIES

Direct inquires regarding this order to:

Marianne Shelley

Ph: 650-604-4179

Fax: 650-604-4357

Email: mshelley@mail.arc.nasa.gov