

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE 1 OF 6
2. AMENDMENT/MODIFICATION NO. A002		3. EFFECTIVE DATE 5/7/2013	4. REQUISITION/PURCHASE REQ. NO.PR2189163/2197696/2189137/2188694		5. PROJECT NO. (If applicable)
6. ISSUED BY CODE U.S. American Embassy Al Kindi Street International Zone Baghdad, Iraq			7. ADMINISTERED BY (If other than Item 6) CODE		
8. NAME AND ADDRESS OF CONTRACTOR (NO., street,city,county,State,and ZIP Code)			9a. AMENDMENT OF SOLICITATION NO. S-IZ100-13-R-0011		
			X 9b. DATED (SEE ITEM 11) April 1, 2013		
			10a. MODIFICATION OF CONTRACT/ORDER NO.		
			10b. DATED (SEE ITEM 13)		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offers 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 <u>1</u> 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:					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return <u> </u> copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)					
The purpose of this amendment is to make the following changes to the solicitation:					
(See next pages).					
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 OF CONTRACTING OFFICER Stan Parmentier		
15B. NAME OF CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
BY _____ (Signature of person authorized to sign)			BY  (Signature of Contracting Officer)		May 7, 2013

1. Section V. Prices, is deleted and substituted to read as follows:

V. Prices.

1. In consideration of satisfactory performance of the services required under this contract, the Contractor shall be paid a firm fixed-price (FFP) per month as stated in the schedule below. Carrier shall be responsible for payment end-to-end circuit billing.
2. The firm fixed prices are stated in _____ (offeror insert currency).
3. The Government will make payment in the currency identified in number 2 under V, Prices. The contract, invoices and payments all to be stated/paid in the same currency.

4. **Base Year Pricing**

The offeror, offering a firm fixed unit price for any contract line item number in the Base Year, shall offer a firm fixed unit price for same service description in contract line item number of the First Option Year.

Contract Line Item #	SCHEDULE OF SERVICES	ESTIMATED QUANTITY(*)	UNIT	UNIT PRICE	AMOUNT
0001	VPN - 40 Mbps dedicated Full-Duplex Multiprotocol Label switching (MPLS) layer 3 Virtual Private Network (VPN) to Germany, at the U.S. American Embassy in Baghdad, see Schedule of supplies/services, Block 20, I. Scope of Work, 1).	12	Month		
0002	DIN – 10 Mbps dedicated Full-Duplex Internet Circuit with a Virtual Private Network (VPN) , at the U.S. American Embassy in Baghdad, see Schedule of supplies/services, Block 20, I. Scope of Work, 2).	12	Month		
0003	50 Mbps Dedicated Full-Duplex Internet Circuit at the U.S. American Embassy in Baghdad, see Schedule of supplies/services, Block 20, I. Scope of Work, 3).	12	Month		
0004 (**)	10 Mbps Dedicated Full-Duplex Point-to-Point Fiber Optic Connection at the Baghdad Diplomatic Support Center (BDSC) in Baghdad, see Schedule of supplies/services, Block 20, I. Scope of Work, 4).	12	Month		
0005	30 Mbps Dedicated Full-Duplex Internet Circuit at the U.S. American Consulate General in Basrah, see Schedule of supplies/services, Block 20, I. Scope of Work, 5).	12	Month		
0006	5Mbps DIN Dedicated Full-Duplex Internet Circuit with a Virtual Private Network (VPN) – at Baghdad Diplomatic Support Center, see Schedule of supplies/services, Block 20, I. Scope of Work, 6).	12	Month		
0007	10 Mbps Dedicated Full-Duplex Internet Circuit at the U.S. American Embassy in Baghdad, see Schedule of supplies/services, Block 20, I. Scope of Work, 7).	12	Month		
Grand Total					

(*) – This estimated quantity is based on estimated Government requirements and the actual amount of work awarded under task order(s) will not exceed the maximum quantity of twelve (12) months for each specified service description during the base year of the contract.

MINIMUM AND MAXIMUM AMOUNTS

During this contract period, the Government shall place orders totaling a minimum of *three (3) months of service from any contract line item number*. This reflects the contract minimum for this period of performance. The amount of all orders shall not exceed *sixty (60) months of service (12 months per each contract line item number equals 60 months)*. This reflects the contract maximum for the base year.

(**) – Only contractor capable to provide the service on the Government of Iraq’s existing network at the Baghdad Diplomatic Support Center (BDSC) may offer a firm fixed price on this line item.

5. First Option Year Pricing:

Contract Line Item #	SCHEDULE OF SERVICES	ESTIMATED QUANTITY(*)	UNIT	UNIT PRICE	AMOUNT
0008	VPN - 40 Mbps dedicated Full-Duplex Multiprotocol Label switching (MPLS) layer 3 Virtual Private Network (VPN) to Germany, at the U.S. American Embassy in Baghdad, see Schedule of supplies/services, Block 20, I. Scope of Work, 1).	12	Month		
0009	DIN – 10 Mbps dedicated Full-Duplex Internet Circuit with a Virtual Private Network (VPN) , at the U.S. American Embassy in Baghdad, see Schedule of supplies/services, Block 20, I. Scope of Work, 2).	12	Month		
0010	50 Mbps Dedicated Full-Duplex Internet Circuit at the U.S. American Embassy in Baghdad, see Schedule of supplies/services, Block 20, I. Scope of Work, 3).	12	Month		
0011 (**)	10 Mbps Dedicated Full-Duplex Point-to-Point Fiber Optic Connection at the Baghdad Diplomatic Support Center (BDSC) in Baghdad, see Schedule of supplies/services, Block 20, I. Scope of Work, 4).	12	Month		
0012	30 Mbps Dedicated Full-Duplex Internet Circuit at the U.S. American Consulate General in Basrah, see Schedule of supplies/services, Block 20, I. Scope of Work, 5).	12	Month		
0013	5Mbps DIN Dedicated Full-Duplex Internet Circuit with a Virtual Private Network (VPN) – at Baghdad Diplomatic Support Center, see Schedule of supplies/services, Block 20, I. Scope of Work, 6).	12	Month		
0014	10 Mbps Dedicated Full-Duplex Internet Circuit at the U.S. American Embassy in Baghdad, see Schedule of supplies/services, Block 20, I. Scope of Work, 7).	12	Month		
Grand Total					

(*) – This estimated quantity is based on estimated Government requirements and the actual amount of work awarded under task order(s) will not exceed the maximum quantity of twelve (12) months for each specified service description during the first option year of the contract.

MINIMUM AND MAXIMUM AMOUNTS

During this contract period, the Government shall place orders totaling a minimum of *three (3) months of service from any contract line item number*. This reflects the contract minimum for this period of performance. The amount of all orders shall not exceed *sixty (60) months of service (12 months per each contract line item number equals 60 months)*. This reflects the contract maximum for the first option year.

(**) – Only contractor capable to provide the service on the Government of Iraq’s existing network at the Baghdad Diplomatic Support Center (BDSC) may offer a firm fixed price on this line item.

6. Price Summary

Base Period: _____

First Option Year: _____

Grand total Firm-Fixed Price for Base Year plus all option Years: _____

2. Schedule of Supplies/Services, Block 20, Description/Specifications/Work Statement, Section I. Scope of Work, Paragraphs 2 and 6 are deleted and substituted to read as follows:

- 2) Circuit Size: 10Mbps dedicated Full-Duplex Internet Circuit with a Virtual Private Network (VPN) – at the U.S. American Embassy – Baghdad, address: AL KINDI STREET, Baghdad International Zone, +268-2404 6441, Contract Line Item No. 0002 and 0009, Section 1, Block 23, Prices, V Prices, under paragraphs 4 and 5, for Circuit Size of 10Mbps dedicated Full-Duplex Internet Circuit with a Virtual Private Network (VPN)
- General: The U.S. American Embassy is currently in the process of increasing its technology and infrastructure to better support its network. The U.S. American Embassy Baghdad needs high-speed fiber optic connectivity at its premises to support both voice and data applications. The objective of this contract is to provide reliable, redundant network paths, to the Internet through a contractor-supplied Virtual Private Network (VPN) that issues U.S. IP addresses.
 - The contractor shall use the following technical specifications:
 - (a) The contractor shall provide circuit connectivity from their main distribution frame to the Embassy’s demarcation point. The contractor shall also provide all of the necessary equipment and installers to the Union MUX point, and at the Embassy’s demarcation point. **The Embassy will provide service between the Union MUX point and the Embassy demarcation point.*
 - (b) In order to achieve high quality performance, the below shall be met by the contractor:
 - i. Latency <=200ms (to Washington DC), Packet Loss <=.1% and availability of 99.7%
 - ii. /28 subnet static Public IP addresses (total to be determined) for VPN equipment, network mask, and default gateway IP address
 - iii. ISP interface connectors: Fiber Optic interface or as agreed upon by the mission IM Representatives and contractor
 - iv. ISP availability: "Always on"
 - v. ISP connection shall NOT use Network Address Translation (NAT).
 - vi. ISP shall permit all IP protocols (including but not limited to UDP, TCP, and IPSEC) to transit without filters or proxies
 - vii. Unfiltered access to the Internet is required without ISP firewall blocking.

- viii. ISP shall permit installation of Customer VPN encryption devices on circuit
 - ix. ISP shall permit ping and trace route traffic (Fiber Optic interface or other agreed upon interfaces which terminate Customer VPN encryption devices)
- (c) Contractor approach of network paths to the Embassy's Red Compound Access Control (CAC) demarcation point.
- i. Existing Single mode, direct burial, fiber optic cable (using the IZFN) is required
 - ii. The link will enter the Embassy's compound via the Union MUX point of the IZFN.
 - iii. The link will be terminated at the Embassy's Red Compound Access Control (CAC) demarcation point and tested.
 - iv. Where contractor routers are provided, the contractor is responsible for replacement and normal upgrade of that equipment.
 - v. The Embassy shall be responsible for connecting the path from the demarcation point to subsequent points on their networks.
- PROJECT PLAN AND DELIVERABLES

The contractor shall provide technical reports, documentation and deliverables in written and electronic format and shall provide monthly written progress reporting. All tasks below shall be completed and all circuits shall be fully operational to begin this contract.

Task 1: Link physical connection to the Embassy

The Contractor shall:

- a) Develop a project proposal
- b) Review project expectations for bandwidth and latency
- c) Provide a schedule for deliverables

(a) Task 1 Deliverables

- (1) Connect cabling (fiber optical) to Union MUX point to enter Embassy compound. **The Embassy shall be responsible for connecting the path from the Union MUX point to the Red CAC demarcation point (location of contractor hardware).*
- (2) Patch connection from Union MUX to hardware located in the Red CAC demarcation point.
- (3) Provide the Embassy with the manufacturer, model, and technical specifications of all contractor routers and equipment that will be located in the Embassy's Red CAC demarcation point.

Task 2: Usability Analysis, Testing, & Review Session

The contractor shall perform regular diagnostic usability tests of the fiber optic cable and provide test results to a designated Embassy representative for review.

(a) Task 2 Deliverables

The contractor shall:

- (1) develop a usability testing plan
- (2) provide a written usability testing report of findings
- (3) provide presentation, with accompanying graphs, of findings based on usability testing report

~~(4) provide a report of Virtual Private Network (VPN) operation to include public IP Address assignments~~

6). Circuit Size of 5Mbps of DIN Dedicated Full-Duplex Internet Circuit with a Virtual Private Network (VPN) – at Baghdad Diplomatic Support Center, address: Baghdad International Airport, +268 2404 6441, Contract Line Item No. 0006 and 0013, Section 1, Block 23, Prices, V Prices, under paragraphs 4 and 5, for Circuit Size of 5 Mbps of DIN Dedicated Full-Duplex Internet Circuit

The Contractor shall provide Internet connectivity at a minimum speed of 5Mbps (Dedicated/Symmetric – upload) and 5Mbps (Dedicated/Symmetric – download) at the U.S. Embassy in Baghdad, Iraq, dedicated (not shared) Internet bandwidth, 24 hours a day, 7 days a week, “always on” with unlimited usage by connecting to the terrestrial backbone with professional grade service different from residential or dial-up service. The following offices/residences will share the bandwidth:

- Baghdad Diplomatic Support Center

A. General:

The Contractor shall provide ISP services with the following minimum technical and operational specifications:

- a) Two static public IP addresses for VPN equipment, network mask, and default gateway IP address.
- b) ISP interface connectors: RJ-45 with 10/100BaseT interface.
- c) ISP shall permit all IP protocols (including but not limited to UDP, TCP, and IPSEC) to transit without filters or proxies. Unfiltered access to the Internet is required without ISP firewall blocking.
- d) ISP shall permit installation of Customer VPN encryption devices on circuit.
- e) ISP shall permit ping and trace route traffic from IP addresses ranging from 169.252.0.0/16 and 169.253.0.0/16 to the ISP connection (RJ45 10/100BaseT router interface which terminates customer VPN encryption device).
- f) Uncontended.
- g) No throttling (no bandwidth limiting).
- h) ISP shall provide Internet connectivity at a minimum speed of 5Mbps (Dedicated/Symmetric – upload) and 5Mbps (Dedicated/Symmetric – download) bandwidths at:

- Baghdad Diplomatic Support Center

ISP shall provide a dedicated (not shared or bundled with other customers) Internet service with “always-on” (24/7) unlimited usage.

- i) ISP connection must NOT repeat NOT use Network Address Translation (NAT)
- j) ISP shall provide a Service Level Agreement (SLA) which guarantees Latency will not exceed 200ms.
- k) ISP shall provide a Service Level Agreement (SLA) which guarantees Packet Loss will not exceed 0.5%
- l) ISP shall provide a Service Level Agreement (SLA) of guaranteed 99.7% uptime of dedicated bandwidth.
- m) ISP shall provide points of contact for 24 hour a day, 7 day a week Tier I, II, and III “Executive Level” support.
- n) ISP shall guarantee written advance notification in case of maintenance or service degradation.
- o) ISP shall allow 30-day testing without any financial obligation to the Embassy if the technical standards above are not met.