

2. AMENDMENT/MODIFICATION NO. 43	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
ISSUED BY John F. Kennedy Space Center, NASA Procurement Office – ODIN – OP-MS Kennedy Space Center, FL 32899		7. ADMINISTERED BY (If other than Item 6)	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)	(x)	9A. AMENDMENT OF SOLICITATION NO.
OAO Corporation 7500 Greenway Center Drive Greenbelt MD 20770		9B. DATED (SEE ITEM 11)
		10A. MODIFICATION OF CONTRACT/ORDER NO.
		NAS5-98144/CC90303B
		10B. DATED (SEE ITEM 13)

CODE	FACILITY CODE
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS	
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The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, 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 ___ 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 ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A.	THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
B.	THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: NAS5-98144 Contract Clause C.7 Technology Refreshment Process and FAR Clause 52.212-4 Contract Terms and Conditions-Commercial Items, (c) Changes
D.	OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 1 copies to the issuing office.

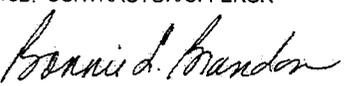
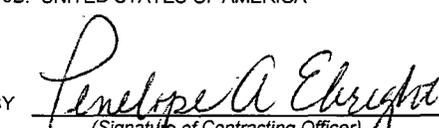
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Stennis Space Center --- ODIN SERVICES

Technology Infrastructure: SWR J1P0 1019 00; UM00 TC02 03

Change in Delivery Order Price: \$2,424.77 (INCREASE)

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) Director of Contracts Bonnie Brandon	15C. DATE SIGNED 7/11/02	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Penelope A. Ebright Contracting Officer	16C. DATE SIGNED 7/16/02
15B. CONTRACTOR/OFFEROR 		16B. UNITED STATES OF AMERICA 	
(Signature of person authorized to sign)		BY (Signature of Contracting Officer)	

1. In accordance with Master Contract NAS5-98144, C.7, Technology Refreshment Process, the technology refreshment services referenced below is hereby incorporated into this Delivery Order at a fixed price of \$2,424.77.

SWR #	Subject	Amount
J1P0 1019 00	Cable Plant Expansion in B4110 for NASA in support of SIP Interface for Polycom Viewstation	\$2,008.47
UM00 TC02 03	Network Expansion in B1100 for MSET	416.30

2. SWR J1P0 1019 00

The contractor shall provide the labor (including, but not limited to, engineering, configuration management, user coordination/scheduling, wiring/cabbling and equipment installation) and materials necessary to install fiber cable from B101 to room 101 in B4110 in support of the SIP Interface for Polycom Viewstation for NASA. as identified in OAO proposal dated June 3, 2002.

a. The contractor shall perform the following tasks:

- 1) Install Panduit outlet box in existing equipment cabinet in room 101 of B4110.
- 2) Install Panduit outlet box beside existing LIU in B1010 of B4110.
- 3) Install (1) multimode 4-strand fiber cable from room B101 up to room 101 in B4110.
- 4) Terminate multimode fiber cable into ST connectors at each end and place in Panduit outlet boxes that were placed in item (1) & (2) above.
- 5) Test and label fiber cable at both ends.
- 6) Place fiber cross connects at B4110, B4995 and B1201 to activate fiber from B4110 to B1201.

b. The contractor shall provide the following material:

- 1) 120 FT of multimode 4-fiber fanout cable (370-648-FDDI-04)
- 2) 8 each P2020C-C-125 multimode ST connectors (118974)
- 3) 8 each cool cure consumables (142172)
- 4) 2 each IMO II PCB fiber inserts (173628)
- 5) 2 each IMO II PCB high profile faceplates (187804)
- 6) 2 each Panduit deep outlet boxes (203871)
- 7) 2 each 1-meter ST/ST multimode duplex fiber jumper (207046)
- 8) 1 each 3-meter ST/ST multimode duplex fiber jumper (207049)

- c. Schedule: The completion of this effort shall be (2) two weeks after the receipt of a signed Modification.

3. SWR UM00 TC02 03

The contractor shall provide the labor (including, but not limited to, engineering, configuration management, user coordination/scheduling, wiring/cabling and equipment installation) and materials necessary to install (1) GFE NetScreen 5XP Security Appliance and (1) GFE NetGear FS-108 8-port switch in communications closet in B1100 for DigitalGlobe to be used as a firewall to their computer as identified in OAO proposal dated May 8, 2002.

- a. The contractor shall perform the following tasks:
 - 1) Install (1) GFE NetScreen 5XP Security Appliance in communications closet in B1100
 - 2) Install (1) GFE NetGear FS-108 8-port switch in communications closet in B1100
- b. Schedule: The completion of this effort shall be (1) one week after the receipt of a signed Modification.

3. Part II "Contract Administration Data", Item 4, is revised as indicated below to incorporate the increase of \$2,424.77 for these infrastructure upgrades:

4. TOTAL DELIVERY ORDER VALUE (through Mod No. 43)

Ordered Seats/Service Levels (Attachment A)	\$2,500,948.15
Catalog Actuals	\$87,819.69
Specialized Services	\$2,250.00
Infrastructure Upgrades	\$1,057,292.62
Sub-total	\$3,648,310.46
Less credits	(\$353.95)
Less retainage not earned	(\$19,691.57)
Sub-total	\$3,628,264.94
Seats/Service levels projected through 11/30/04	\$12,883,620.84
Total Estimated Delivery Order Value:	\$16,511,855.78

4. Part V "Technology Infusion (Infrastructure Upgrades)", Item 2 is modified to include the subject infrastructure upgrades. The signed date and completion date will be completed in a future infrastructure upgrade modification.

Mod. No.	Description of Work	Date Signed	Completion Date	Modification Value
43	J1P0 1019 00 Cable Plant Expansion in B4110 for NASA in support of SIP Interface for Polycom Viewstation			\$2,008.47
43	UM00 TC02 03 Network Expansion in B1100 for MSET			416.30

5. Payment Schedule: Invoicing and Payment for this modification will be made in accordance with Master Contract NAS5-98144, FAR 52.212-4: Commercial Items (May 1997) (Modified).
6. Reporting requirements: The contractor shall provide monthly status reports to the SSC Alternate DOCOTR, with a copy to the DOCO. These reports shall include, as a minimum, installation progress, and potential problem areas.
7. In consideration of the modification agreed to herein as complete equitable adjustment for the changes set forth, the Contractor hereby releases the Government from any and all liability under this delivery order for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.
8. All other terms and conditions of this Delivery Order remain unchanged and in full force and effect.