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| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | 1. CONTRACT ID CODE | PAGE OF PAGES 1 2 |
| 2. AMENDMENT/MODIFICATION NO. 0002 | 3. EFFECTIVE DATE 28 JUL 98 | 4. REQUISITION/PURCHASE REQ. NO. N/A | | 5. PROJECT NO. (If applicable) |
| 6. ISSUED BY CODE | N68462 | 7. ADMINISTERED BY (If other than Item 6) CODE | | |
| PROCURING CONTRACTING OFFICE NAVAL RESEARCH LABORATORY (NRL-SSC) ATTN: CODE 3235.RS STENNIS SPACE CENTER, MS 39529-5004 | | | | |

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| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, country, State and ZIP Code) <p style="text-align: center;">TO ALL OFFERORS</p> | <input checked="" type="checkbox"/> 9A. AMENDMENT OF SOLICITATION NO. N00173-98-R-RS03 |
| | <input checked="" type="checkbox"/> 9B. DATED (SEE ITEM 11) 02 JUL 98 |
| | 10A. MODIFICATION OF CONTRACT/ORDER NO. |
| | 10B. DATED (SEE ITEM 13) |
| CODE | FACILITY CODE |

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers tended. 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 02 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer x 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.

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| <input checked="" type="checkbox"/> | 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 is not, is required to sign this document and return _____ copies to the issuing office.

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

(SEE PAGE 2)

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

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| 15A. NAME AND TITLE OF SIGNER (Type or print) | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) | |
| 15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign) | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer) | 16C. DATE SIGNED |

The purpose of this amendment is to provide the following answers for technical questions submitted against this RFP and extend the closing date.

QUESTION 1: Is all of the paperwork and documentation referenced in the RFP required? Our organization is not manned for the kind and amount of paperwork associated with both the proposal and the project.

ANSWER 1: Yes, Questions concerning specific technical requirements shall be forwarded to the procuring office representative for contract matters listed in RFP Section G-1.

QUESTION 2: The Maximum Channel-to-Channel Pedestal Variation specification is too tight to be realistically met with a reasonable yield.

ANSWER 2: Section C.4.1(b)(9) is hereby deleted in its entirety and replaced with the following:

“Maximum Channel-to-Channel Variation: The Maximum channel-to-channel pedestal variation shall be +/- 100 mV in the low gain range and +/- 1000 mV in the high gain range. The Government DESIRES a maximum channel-to-channel pedestal variation of +/- 50mV in the low gain range and +/- 500mV in the high gain range.”

QUESTION 3: The Maximum Equivalent Noise Change specification is too tight to be realistically met with with a reasonable yield.

ANSWER 3: Section C.4.1(b)(6) is hereby deleted in its entirety and replaced with the following:

“Maximum Equivalent Noise Change (ENC) at 90pF: The Maximum ENC @ 90 picofarads (pF) shall not exceed 2200e-RMS and 3000e-RMS @ 150pF. The Government DESIRES that the maximum ENC @ 90pF not exceed 1800e-RMS and 2200e-RMS @ 150pF.”

QUESTION 4: The leakage current specification requires either a current sink on the input or AC-coupling of the detectors.

ANSWER 4: The maximum detector leakage current requirement was incorporated into Section C for the purpose of computing the Shot noise. For the purpose of this solicitation, the detectors will be AC coupled so that sinking the leakage current is not required at the front-end.

QUESTION 5: Reference Section C, paragraph C.4.4 – Packaging Requirements. Is an alternative package acceptable as long as it complies with the dimensions specified? (i.e., Ceramic vs Plastic package?)

ANSWER 5: An alternate package is acceptable provided it is functionally, physically, and operationally compatible with the specified carrier.

QUESTION 6: Are there any radiation requirements?

ANSWER 6: No. The required chip is for balloon flights and the anticipated radiation dose is low.

QUESTION 7: What is the operating temperature range?

ANSWER 7: The anticipated operating temperature range is from -25C to +85C.

The closing date is hereby extended as follows:

From: 3:30 PM 03 August 1998

To: 4:00 PM 13 August 1998