

“CLINs 0001, 0002, 0003, 0004, and 0005 inclusive are applicable to the Base Contract Period. The Base Contract Period commences on the date of contract award and concludes on September 30, 2009, unless extended an additional year by exercise of optional CLIN 0005A. If CLIN 0005A is exercised, the Base Contract Period shall continue for a period of five (5) years from acceptance of the initially delivered system.” Page B-1 should be removed and replaced with the attached revised Page B-1.

NOTE G is changed to reflect revised availability date of the BLDR-2 facility to January 31, 2006. Page B-7 should be removed and replaced with the attached revised Page B-7.

NOTE J is added to clarify the purpose of CLIN 0001 as follows:

“NOTE J - The purpose of CLIN 0001 is to provide a mechanism for acquiring services and equipment associated with the delivery of the initial system (FY2006) for Workstreams 7 through 9 prior to commencement of lease payments. These may include site preparation, engineering labor costs associated with data migration, etc.”

NOTE K is added to provide clarification concerning the experience required for the engineering support personnel under optional CLIN 0011 as follows:

“NOTE K - A minimum of 7 years specialized experience is required for individuals proposed for CLIN 0011B, Systems/Network/Security Engineer, CLIN 0011C, Facility Engineer, and CLIN 0011D, Visualization/Data Engineer.”

Page B-8 should be removed and replaced with the attached revised Page B-8.

SECTION C

Because of the number of changes, a revised Section C, in its entirety is attached to this Amendment and supersedes the previous version of Section C provided with Amendment 0008. The following are the key changes (but not all changes) to Section C.

C.4.2, BENCHMARK PERFORMANCE, methodology for determining benchmarking for mid-life and option period upgrades has been revised.

C.5.1.1, Large-Scale Computing (LSC) Component, has been revised to require an early access system identical in architecture and software environment to that offered in support of workstreams 7-9.

C.5.3.2, Batch Queuing Software, the following has been added to the desired batch queuing software features:

- Provide a way for large input files to be pre-staged to the scratch filesystem before the job acquires dedicated resources, and for large output files to be post-staged after the dedicated resources are released.

C.5.4, Networking Requirements is revised to include recent IPv6 requirements.

C.5.4.4, Data Interface to the OCCS and Backup OCCS is revised.

C.5.5, IT Security Requirements, has several changes.

C.5.6.1, Government-Provided Facilities, the discussion of the Boulder, CO facility has been revised.

C.5.6.3, Office space, workstations, LAN connectivity, phone service and office equipment for on-site contract personnel, has several changes including addition of Greenbelt, MD facility discussion.

C.6.1.1, Reliability, the second paragraph of this section has been revised.

C.6.1.2, Availability, the paragraph that commences with “Although system throughput shall be monitored daily,...” has been revised.

C.10.3.2.3, Princeton, NJ, discussion of current HSMS environment has been revised.

C.11, Appendix B, Available Government Facilities, second paragraph is revised to change availability of BLDR-2 facility to February 1, 2006.

C.11.1.8, Maximum Allowable Height of Equipment, additional language has been provided for the Greenbelt, MD facility.1

C.11.2.1, Physical Access for Equipment Installation, additional language has been provided regarding contractor's responsibility during moving of equipment.

C.11.3.1, Power Service to Building, discussions of Princeton, NJ and Greenbelt, MD facility have been revised.

C.11.4.1, Cooling Service to Building, discussion of Princeton, NJ facility has been revised.

C.11.11, Projected Availability of Floor Space, Power, and Cooling, several changes have been made to this section.

C.12, Appendix C – Government-Furnished Equipment (GFE), DDN RAID has been added to the Site-Constrained GFE for Boulder, CO.

C.13.2, Definitions, wording has been added to define "computer", "core", "node", and "socket".

SECTION E

E.2.2, Availability and Reliability

The first paragraph, first sentence is changed to read as follows:

"Each subsystem of the R&D HPCS shall meet or exceed the proposed availability."

The second paragraph, fifth sentence is changed to read as follows:

"This ratio must be equal to or greater than the proposed availability during the acceptance test period as well as during the life of the contract."

Page E-2 should be removed and replaced with the attached revised Page E-2.

SECTION J

Section J.1 has been revised clarify the Government's use of the ambiguous term "processor". A revised Section J.1, in its entirety, is attached to this Amendment and supersedes the previous version of Section J.1 provided with Amendment 0007.

SECTION L

Because of the number of changes, a revised Section L, in its entirety is attached to this Amendment and supersedes the previous version of Section L. The following are the key changes to Section L

L.5.2, OFFEROR'S TECHNICAL PROPOSAL, the number of proposal copies to be submitted has been revised.

L.5.3 OFFEROR'S COST/PRICE PROPOSAL, the number of proposal copies to be submitted has been revised.

L.5.5 OFFEROR'S FACILITY PROPOSAL, the number of proposal copies to be submitted has been revised.

L.6.1.1 Technical Proposal Organization, TAB 2 BENCHMARKS, the following language has been added to the second paragraph:

"Offerors shall describe how the details of the proposed I/O subsystem architecture(s) (i.e. numbers and types of hardware and software, etc.) will provide the Theoretical Data Rates stated in the I/O spreadsheet for each of the filesystems offered."

L.6.1.1 Technical Proposal Organization, TAB 3 HPC SUB-SYSTEM COMPONENTS, the following language has been added as the second sentence of the first paragraph: "For the initial delivery, the Government expects this description to closely parallel the delivered system. For the upgrade, the Government requires a similar, but less detailed description."

L.6.1.1 Technical Proposal Organization, TAB 3.1 Large Scale Computing Component (LSC), the following language has been added:

"For each upgrade, identify the sources of the expected increase in performance. For each upgrade, show how the proposed performance level was calculated. Provide a plan for how the vendor will meet the SLT guarantees should the system fail to meet the proposed performance."

L.6.1.1 Technical Proposal Organization, TAB 6, IT SECURITY, is revised to read as follows: "Describe the IT security hardware, software, and procedures that will be incorporated into the design of the proposed system that meet the requirements of section C.5.5 for the base contract period. Provide an overall security architecture diagram which describes system perimeter, inter-site connections, and major security hardware components. Provide diagrams, specifications, and license information for all hardware and software that is proposed." L.6.1.1 Technical Proposal Organization, TAB 10.1 Option Period, is changed to read as follows: "Configurations and Performance Levels. Provide a description of the system design and configuration associated with the Option Contract Period. The offeror

shall describe its approach for meeting the requirements for the four-year option period (FY2010 – FY2013) described in C.9.1. Describe how the approach will address maximizing the system life throughout of the workstreams. The benchmark revisions at system upgrades will be by mutual agreement between the Government and Contractor. Thus, the guaranteed performance minimum at option period upgrade is with respect to the then current benchmark (i.e. the initial installation benchmark or the benchmark agreed to at base period mid-life upgrade).”

2. This Amendment also responds to vendor’s questions received since issuance of the Solicitation. These responses are included as an attachment to this Amendment. NOTE: The questions and answers are also posted to the NOAA R&D HPCS web site at:

<http://rdhpcs.noaa.gov>

If there are any disparities between the questions and answers on the web site and this Amendment, this Amendment shall prevail. Answers to previous questions not provided with this Amendment, and any additional questions received will be responded to in a subsequent Amendment.

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 <i>(Type or Print)</i>		16A. Name and title of Contracting Officer <i>(Type or Print)</i>	
15B. Contractor/Offeror	15C. Date Signed	16B. United States of America	16C. Date Signed
_____ (Signature of person authorized to sign)		_____ (Signature of Contracting Officer)	