

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			I. CONTRACT ID CODE	PAGE OF PAGES
			U	1 25
2. AMENDMENT/MODIFICATION NO. 0001	3. EFFECTIVE DATE 08-Oct-2015	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)
6. ISSUED BY COMMANDER, SPACE AND NAVAL WARFARE SYSTEMS COMMAND 02 CONTRACTS 4301 PACIFIC HIGHWAY SAN DIEGO CA 92110-3127	CODE N00039	7. ADMINISTERED BY (If other than item 6) See Item 6		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		X	9A. AMENDMENT OF SOLICITATION NO. N00039-14-R-0001	
		X	9B. DATED (SEE ITEM 11) 30-Sep-2015	
			10A. MOD. OF CONTRACT/ORDER NO.	
			10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE			
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 offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer 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 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 _____ 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 extend the proposal due date to 23 November 2015; provided Industry Day Q&A; Industry Day slides; and revised attachments (see section J for updated list). Note: all questions are still due by no later than than twenty-two (22) calendar days before the closing date of this RFP.				
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 AND TITLE OF CONTRACTING OFFICER (Type or print)		
15B. CONTRACTOR/OFFEROR		TEL:	EMAIL:	16C. DATE SIGNED
(Signature of person authorized to sign)		BY: <i>[Signature]</i> (Signature of Contracting Officer)		08-Oct-2015

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The required response date/time has changed from 16-Nov-2015 10:00 AM to 23-Nov-2015 10:00 AM.

SECTION B - SUPPLIES OR SERVICES AND PRICES

The following have been modified:

B-1**B-1 Data Rights Table**

DATA RIGHTS (If Data Rights are priced, the Government will modify the resulting contract to include those prices as non-fee bearing FFP option CLIN(s) to Section B of the Contract). The Government seeks to acquire, at a minimum, Government Purpose Rights (GPR) as defined in DFARS 252.227-7013 and 252.227-7014 for commercial and noncommercial technical data, computer software, and computer documentation as defined in DFARS 252.227-7013, 252.227-7014, and 252.227-7015. The following tables classify the Government's technical data rights by CDRL item. The classification applies only to the extent the CDRL item or parts thereof meet the definitions of technical data, computer software, and computer software documentation as referenced above. The column marked "Rights Classification" provides the type of rights proffered to the Government under the contract, while the "Price" column provides the corresponding non-fee bearing FFP for the rights. If any of the technical data listed below is updated during the performance of the contract, the Contractor shall deliver the rights to the updated technical data at no additional cost to the Government. A \$0 (zero) indicates that the rights associated with that CDRL are available to the Government, as the Government has funded or partially funded the development of the CDRL deliverable under this contract. Note that this table is not all-inclusive; the Offeror may add additional CDRL items during proposal submission.

(NOTE: Firmware shall be considered software and shall meet all of the software requirements listed within this RFP).

The proposed prices set forth in the table below apply throughout the Period of Performance (PoP) of this contract.

DATA RIGHTS TABLE			
CDRL	Name	Rights Classification	Price (non-fee bearing)
A001	Contractor's Progress, Status and Management Report		
A002	Conference Agenda		
A003	Conference Minutes		
A004	Program Management Plan (PMP)		
A005	Contract Work Breakdown Structure (CWBS)		
A006	Contractor's Configuration Management Plan (CMP)		
A007	Interface Design Description (IDD)		
A008	Item Unique Identification (IUID) Marking Plan		
A009	Item Unique Identification (IUID) Marking Activity, Validation, Verification Report		
A010	Installation Requirements Drawings (IRD)		
A011	Enterprise Change Request (ECR)		
A012	Specification Change Notice		
A013	Request for Variance (RFV)		
A014	Baseline Description Document		

A015	Configuration Status Accounting Information		
A016	Technical Report - Study/Services		
A017	Systems Engineering Management Plan (SEMP)		
A018	Technical Data Package		
A019	Software Product Specification		
A020	Software Version Description (SVD)		
A021	Information Assurance (IA) Design Review Information Package (DRIP)		
A022	Integrated Program Management Report (IPMR)		
A023	Integrated Program Management Report (IPMR)		
A024	Contract Funds Status Report (CFSR)		
A025	System/Subsystem Item Design Description (SSDD)		
A026	System/Subsystem Item Design Description (SSDD)		
A027	Software Development Plan (SDP)		
A028	Technical Manual Package		
A029	Technical Report - Study/Services		
A030	Health Hazard Assessment Report (HHAR)		
A031	Human Engineering Design Approach Document-Maintainer (HEDAD-M)		
A032	RESERVED		
A033	Interface Design Description (IDD)		
A034	NTCDL COMSEC Security Certification Document		
A035	Progress Report (Studies)		
A036	Reliability Test Reports		
A037	Acceptance Test Plan		
A038	Maintainability/Testability Demonstration Test Report		
A039	Logistics Management Information (LMI) Summaries		
A040	Test Plan		
A041	Test/ Inspection Report		
A042	Test Procedure		
A043	Parts List		
A044	Condition Based Maintenance Plus (CBM+) Program Plan		
A045	Failure Analysis and Corrective Action Report (FACAR)		
A046	Conference Minutes		
A047	RESERVED		
A048	Test/Inspection Report		
A049	Electromagnetic Interference Control Procedures (EMICP)		
A050	Electromagnetic Interference Test Procedures (EMITP)		
A051	Electromagnetic Interference Test Report (EMITR)		
A052	Electromagnetic Environmental Effects (E3) Integration and Analysis Report (E3IAR)		
A053	Electromagnetic Environmental Effects (E3) Verification Procedures (E3VP)		

A054	Electromagnetic Environmental Effects (E3) Verification Report (E3VR)		
A055	Spectrum Certification Spectral Characteristics Data		
A056	Waveform Certification		
A057	RESERVED		
A058	Test Plan		
A059	Test Procedure		
A060	High-Impact Shock Test Procedures		
A061	Shock Test Report		
A062	Test/Inspection Report		
A063	Equipment Structureborne Vibration Acceleration Measurements Test Report		
A064	Reliability Test Plan		
A065	Maintainability/Testability Demonstration Test Plan		
A066	Test/Inspection Report		
A067	Test Procedure		
A068	Test/Inspection Report		
A069	Configuration Audit Plan		
A070	Configuration Audit Summary Report		
A071	Configuration Audit Summary Report		
A072	Planned Maintenance System (PMS) Maintenance Index Page (MIP)		
A073	Planned Maintenance System (PMS) Maintenance Requirement Card (MRC)		
A074	Course Conduct Information Package		
A075	Training Conduct Support Document		
A076	Test Package		
A077	Critical Task Analysis Report		
A078	Reliability Prediction and Documentation of Supporting Data		
A079	Proposed Spares Parts List		
A080	Logistics Management Information (LMI) Data Product		
A081	Interactive Computer Aided Provisioning System (ICAPS) Data Exchange		
A082	System/Subsystem Design Description (SSDD)		
A083	Acceptance Test Plan		
A084	Software User Manual		
A085	Test Procedure		
A086	Test/Inspection Report		
A087	Test Procedure		
A088	Test/Inspection Report		
A089	Technical Report - Study/Services		
A090	Technical Report - Study/Services		
A091	Hazardous Materials Management Plan (HMMP) Report		

(End of Clause)

B-2 Pricing Tables – NTCDL LRIP System, Subsystems, Spares and LRUs (CLINs 1001, and 2001)

The Government will have the right to order quantities of those items so long as the total quantity does not exceed the total quantity specified in the quantity column per CLIN. The maximum quantity is 5 each per period for each CLIN in the table below. **The contractor shall propose the respective price-quantity break that results in the most advantageous cost savings to the Government.** The Government can benefit from a combined quantity buy if modifications are placed within 30 day period. All items ordered for such an item during this 30 day period will be treated as a single modification, or combined to achieve economies of scale for the purpose of establishing the quantity price. For example, if the quantity break was QTY 1-3 for \$100; QTY 4-5 \$75 and a modification was issued for a quantity of 3 each of CLIN 1001 and within a 30 day window from the date of the modification, the Government placed a second modification of 1 each for CLIN 1001, the Government would combine the quantities and recalculate the unit pricing for all items based upon a combined quantity of 4 each.

B-2a NTCDL System (including antenna and radome) CLINs 1001, and 2002 (5 max. per CLIN)

	QTY	QTY	QTY	QTY	QTY
1001					
2001					

B-2b NTCDL Subsystems, Spares, LRUs CLINs 1002, and 2002 (5 max. per CLIN)

CLIN 1002	QTY	QTY	QTY	QTY	QTY
External Data User Interface Subsystem	\$	\$	\$	\$	\$
Link Management Subsystem	\$	\$	\$	\$	\$
Installation Test Support Device	\$	\$	\$	\$	\$

CLIN 2002	QTY	QTY	QTY	QTY	QTY
External Data User Interface Subsystem	\$	\$	\$	\$	\$
Link Management Subsystem	\$	\$	\$	\$	\$
Installation Test Support Device	\$	\$	\$	\$	\$

(End of clause)

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

The following have been modified:

LIST OF ATTACHMENTS

Attachment 1 – NTCDL System Performance Specification (SPS) NTCDL-SPS-1004M-1.0 Amendment 0001

Attachment 2 – Statement of Work (SOW) NTCDL-SOW-1005M-1.0 Amendment 0001

Attachment 3 – DoD Contract Security Classification Specification (DD254)

Attachment 4 – Contract Data Requirements List (CDRLs) Amendment 0001

Attachment 5 - Small Business Contracting Plan – **To Be Included After Contract Award**

Attachment 6 – Past Performance Questionnaire/Survey

Attachment 7 – Relevant Experience Form

Attachment 8 – Cost Spreadsheets/Work Breakdown Structure (WBS) Amendment 0001

Attachment 9 – NTCDL RF Use Case Instructions

SECTION L - INSTRUCTIONS, CONDITIONS AND NOTICES TO BIDDERS

The following have been modified:

L-317 SUBMISSION OF PROPOSALS (COMPLEX) (JUL 1999)

L-317.1 INTRODUCTION

This Request for Proposal (RFP) is for **Network Tactical Common Data Link (NTCDL)**.

L-317.2 OFFEROR QUESTIONS REGARDING SOLICITATION

Offerors may submit questions concerning, or request clarification of, any aspect of this RFP. Questions shall only be provided in writing via email to the following email address: heidi.radaford@navy.mil no later than twenty-two (22) calendar days before the closing date of this RFP. The Government may make available to the general public any offeror questions and requests for clarifications and any Government responses to such questions and requests for clarifications; therefore, offerors are hereby instructed not to submit comments of a proprietary nature. Offerors are also advised that the Government may not respond to questions and requests for clarifications.

L-317.3 TIME & DATE FOR RECEIPT OF PROPOSALS

The deadline for the Government's receipt of proposals is 10:00AM PST on **23 November 2015**. Submissions are subject to the late proposal provisions of FAR 52.215-1, "Instructions to Offerors-Competitive Acquisition". All times are local time in San Diego, California.

L-317.4 REQUIREMENTS

L-317.4.1 The offeror shall print or type its name on the Schedule and each continuation sheet of the RFP thereof on which page an entry is made.

L-317.4.2 Proposals submitted in response to this RFP must contain comprehensive information on all pertinent aspects of the effort being offered to enable the Government to evaluate the offeror's understanding of, and capability to accomplish, all the stated requirements covered in the NTCDL System Performance Specification (SPS) and Statement of Work (SOW). Throughout the proposal, the offeror shall provide sufficient detail to substantiate the validity of all stated claims. Proposals shall be submitted in accordance with the instructions herein. Non-conformance with the RFP requirements may render the proposal unresponsive and removed from further consideration. An offeror's proposal is presumed to represent their best efforts to respond to the solicitation. The proposal must demonstrate how the offeror proposes to comply with the requirements of the RFP. Clarity, completeness and conciseness are essential, and the overall quality of the proposal will be evaluated in the context of being representative of the offeror's capabilities. Responses must adequately address all RFP requirements.

L-317.4.3 The proposal should only contain material that is directly related to the SPS and SOW or is in response to the RFP. Statements such as "the offeror understands," and "the offeror shall/can comply," along with responses that paraphrase the RFP, are considered inadequate. Phrases such as "standard procedures will be employed" or "well known techniques will be used," without a specific Government or industry reference, will be considered inadequate and unacceptable.

L-317.4.4 Unnecessarily elaborate presentations, elaborate artwork, expensive paper, and expensive visual aids are not desired and may be considered as an indication of the offeror's lack of cost consciousness.

L-317.4.5 Validity of Proposals. Proposals submitted in response to this solicitation shall be valid for **295 days** from the solicitation closing date.

L-317.4.6 The offeror is to identify its cognizant Defense Contract Audit Agency (DCAA) and Defense Contract Management Agency (DCMA) Offices in the Volume II Cost Proposal, providing the following for each cognizant office:

Point of Contact Name,
Address,
Telephone Number,
Email Address, and
FAX Number.

The offeror shall submit one (1) identical copy of the cost/price proposal to their DCAA Office, as further explained below.

L-317.5 PROPOSAL ORGANIZATION

The offeror's proposal submitted in response to this solicitation shall be unclassified and consist of three (3) separate Volumes:

Volume I: Technical Proposal
Volume II: Cost Proposal
Volume III: Contract Documents

Offerors shall submit an electronic copy as specified below at L-349 "Electronic Submission of Proposal. In addition, offerors shall provide two (2) hard copies and one (1) CD Rom of Volume II and Volume III. CD Rom copies must be provided for volume II and III only.

L-317.6 SUBMISSION OF PAPER AND CD COPIES

Electronic copies, in accordance with L-349, must contain separate files for Cost and Technical/Management files. Paper copies of the proposal shall be submitted as follows:

1. **Binding and Labeling:** Each volume of the proposal shall be separately bound in a 3-ring binder. A cover sheet shall be affixed to each volume, clearly marked as to the volume number, the copy number, the RFP identification and the offeror's name. The volume and copy numbers shall appear on the spine of the volume binder to permit rapid accounting when the volume is placed in a vertical position in a storage cabinet.
2. **Format:** The proposal shall be on 8 1/2" × 11" white bond paper with single-spaced typed lines, including figures, glossaries, table of contents, and cover sheets. Each sheet shall be printed on one side only. Type size shall be Times New Roman and no smaller than 12 point in the text, 10 point in spreadsheets, and 6 point on drawings, figures, and tables. Foldouts may be used, but shall be no larger than 11" × 17", shall be printed on one side only, and shall count as two pages. Standard margins shall be a minimum of one inch, excluding header and footer. The volumes shall contain a glossary of abbreviations and acronyms used and an explanation of each. No pen and ink changes are allowed.
3. **Numbering:** Pages shall be numbered consecutively within each section, showing volume, section, and page. As an example, page 19 of Volume I, Section 3 would be numbered I-3-19.

The format and numbering requirements listed above apply likewise to the electronic and CD copies.

Paper copies and CD shall be submitted to:

ADDRESS: Space and Naval Warfare Systems Command
Attn: Heidi Radaford, PCO, Code 2.1B
Bldg. OT-4, Room 1015
4301 Pacific Highway
San Diego, CA 92110-3127

NOTE:

1. *The electronic, paper, and CD copies of the proposal must be identical. If the electronic documents are not identical, the paper copy and/or CD will be rejected.*
2. *The paper and CD copies shall be postmarked or hand delivered prior to the receipt due date and time listed in the RFP.*

L-317.7 PROPOSAL FORMAT

In addition to all other requirements of this solicitation, each offeror shall demonstrate its capability by means of a detailed written proposal in each of the areas indicated under Section M – Evaluation Factors for Award. **Proposals submitted for consideration for award must address the full scope of the solicitation. Proposals which address only part of the solicitation will be considered unacceptable.**

Offerors' proposal volumes shall include the following:

# OF HARD COPIES	ITEM	LIMITATIONS
No Hard Copies	VOLUME I: TECHNICAL PROPOSAL	
	Factor 1. Technical Approach	Forty-five (45) pages maximum
	Subfactor 1: Waveforms	5 pages
	Subfactor 2: Radio Frequency (RF) Performance	20 pages
	Subfactor 3: Scalability and Modularity	5 pages
	Subfactor 4: System-Level Design	15 pages
	Factor 2. Management Approach	Twenty-five (25) pages maximum (excluding Subfactor 4 Small Business Utilization)
	Subfactor 1: Program Management	10 pages
	Subfactor 2: Integrated Master Schedule	10 pages
	Subfactor 3: Data Rights	5 pages
	Subfactor 4: Small Business Utilization	No page limitation
	Factor 3. Past Performance	Prime/Sub contractors: Three (3) pages per reference maximum of 3 total references. No page limitation on PPIRS or CPARS.
Two (2) Hard Copies	VOLUME II: COST PROPOSAL	
	Factor 4. Cost/Price Proposal	Cost/Price information compatible with Microsoft Excel 2007
Two (2) Hard Copies	VOLUME III: CONTRACT DOCUMENTS	
	Section A: Letter of Transmittal, Completed Standard Form (SF) 33, and Completed RFP Sections B through K	Three (3) pages maximum, excluding SF 33 and Section B-K of the RFP
	Section B: Exceptions To The RFP	No page limit
	Section C: Security clearance levels as required by DD Form 254	No page limit
	Section D: Organizational Conflict of Interest Mitigation Plan(s)	No page limit

	Section E: Small Business Subcontracting Plan	No page limit
	Section F: Response to Mandatory Requirement	No page limit

Note: Failure to submit complete information in the manner above may be considered a “no response” and may result in the exclusion of the proposal from further consideration.

All material in excess of the page limits will neither be read nor evaluated.

Do not include cost information in any volume other than the Cost Proposal.

MANDATORY REQUIREMENT

In the event that a proposal contains a deficiency in the following mandatory area, the proposal SHALL be determined to be unacceptable and not considered for further evaluation. Offerors shall use the nine (9) Government provided link budget use cases listed in the NTCDL SPS para 3.2.2.1 and Appendix 2 using the Link Budget v5.3 tool. Offerors shall provide Link Budget Data file (lbd) and plain text file (txt) using the Link Budget v5.3 tool using the instructions provided in RFP Attachment 9, NTCDL RF Use Case Instructions. The Link Margin SHALL be greater than or equal to 2.0dB to meet mandatory requirement for all nine (9) link budget use cases.

L-317.8 MINIMUM REQUIREMENT PROPOSAL CONTENT

Each volume of the proposal shall be submitted in accordance with L-317.4 “Requirements”, L-317.5 “Proposal Organization”, and L-349 “Submission of Electronic Proposals” to permit a detailed evaluation. Proposals are to be neat, legible and orderly. Content is more important than quantity.

Proposals shall correlate directly and sequentially with the following specific proposal preparation instructions. Proposals shall be complete and self-sufficient, relate exactly to what is requested and proposed, and strictly adhere to the requirements of this solicitation. Use of documentation by reference, and not incorporated into the proposal, will not be allowed. Where cross-referencing is used, the volume, attachment, exhibit and paragraph numbers, as appropriate, shall be referenced.

Tables of contents, blank pages, coversheets, requirements compliance matrices, lists of tables, lists of drawings, lists of figures, glossaries, and lists of proprietary data do not count against the page limitations.

TECHNICAL PROPOSAL (VOLUME I)

General Guidelines for Content

Each offeror shall submit a technical proposal to enable the Government to make a thorough evaluation and arrive at a sound determination as to whether or not the proposed approach/services will meet the requirements of the Government. To this end, each technical proposal shall be so specific, detailed, and complete as to clearly and fully demonstrate that the prospective contractor has a thorough knowledge and understanding of the requirements and has valid and practical solutions for any technical problems. Each proposal must be sufficiently adequate to demonstrate how it is proposed to comply with the requirements of the SPS and SOW, with a full explanation of techniques and procedures. The contractor’s discussion in each section must include sufficient detail to allow the Government to

adequately evaluate the contractor's ability to accomplish the proposal requirements in accordance with Section M.

Wherever relevant, the offeror is encouraged to use cross-references to the applicable sections of the proposal rather than repeating that information in the several sections of this Volume. **No cost/price information shall be included in this technical proposal.** Proposals that do not present sufficient information to permit complete technical evaluation by the Government may be rejected.

Offerors shall prepare Volume I in three (3) separate Factors as follows:

Factor 1.	Technical Approach
Factor 2.	Management Approach
Factor 3.	Past Performance

VOLUME 1 – FACTOR 1: TECHNICAL APPROACH

The Offeror shall describe how its proposed system architecture and system design, including hardware, software and associated subassemblies, meet the performance, environmental, and interface requirements as provided in the Network Tactical Common Data Link (NTCDL) System Performance Specification (SPS) and the NTCDL Statement of Work (SOW). The Technical Approach includes the following four (4) Subfactors:

Factor 1 – Technical Approach Subfactors are as follows:

<u>SUBFACTOR</u>	<u>TITLE</u>
1.1	Waveforms
1.2	Radio Frequency (RF) Performance
1.3	Scalability and Modularity
1.4	System-Level Design

Subfactor 1.1 - Waveforms. The Offeror shall describe how its proposed radio implementation satisfies the waveform requirements of SOW Section 3.2.8.1 and SPS Section 3.2.3, to include the Network Radio Waveform (as approved on the DoD CIO Waveform list in DoDI 4630.09) should one be included in the proposal. The Offeror shall describe subsystems required for waveform implementation, CDL design verification, CDL interoperability validation as set forth in the SPS Sections 4.2.1 and 4.2.2 – to include over-the-air testing as per SPS Section 4.3.2.3.1 and 4.3.2.3.2 if a Network Radio Waveform is included in the proposal.

Subfactor 1.2 – Radio Frequency (RF) Performance. The Offeror shall provide supporting documentation (e.g. calculations, measurements, specifications of components, component modeling and simulation artifacts, and rationale) of RF performance. RF performance parameters to be documented may include:

- a. RF chain analysis
- b. Effective Isotropic Radiated Power (EIRP) over all scan angles
- c. Gain/System Noise Temperature (G/T) over all scan angles
- d. Antenna Gains
- e. Antenna polarizations
- f. Antenna axial ratios
- g. Antenna half-power beamwidths
- h. Antenna sidelobes
- i. System noise figures
- j. System minimum power densities
- k. System maximum power densities
- l. System dynamic ranges

m. 3rd order intercept (IP3)

The Offeror shall describe, how the proposed NTCDL system meets the RF threshold requirements and any objective requirements of SPS Sections 3.2.2.1 and 3.3.1 using the minimum possible Size, Weight, Power and Cooling (SWAP-C).

In addition to meeting the mandatory requirement, the contractor shall provide all modified link budgets in their entirety and substantiate rationale for the contractor modified parameters.

The Offeror shall provide documentation (i.e. RF chain analysis, system dynamic ranges, and survivability) describing how the system meets the required RF performance in conjunction with the requirements cited in SPS Section 3.9.2 "Electromagnetic Environmental Effects", EMI and EMC tests in SPS Section 4.3.9.2 (Verification) and SOW Section 3.2.8.3.4, including MIL-STD-464 requirements.

Subfactor 1.3 - Scalability and Modularity. The Offeror shall describe the means by which the NTCDL subsystems, racks and/or components are modular, scalable, interchangeable, and provide parts commonality through Variants A-C in accordance with SPS Section 3.2.2, SOW Sections 3.2.9, and 3.2.3.1. The Offeror shall describe how it intends to interconnect the above deck equipment used for each identified band (i.e., S, C, X, Ku) to the below deck equipment to include the internal interfaces that will be documented per SPS Section 3.4.1. The Offeror shall include the ability for future expansion of NTCDL internal interface compliant subsystems as per SPS Section 3.3.5.

Subfactor 1.4 – System-Level Design. The Offeror shall depict and describe its proposed system-level design (NTCDL SPS Section 3.3), internal and external interconnections (NTCDL SPS Section 3.4), and Technology Readiness Level (NTCDL SOW 3.2.3) of each subsystem. The Offeror shall describe how this architecture and implementation meet the threshold requirements and any objective requirements with emphasis on the following sections:

Section 3.3.3 – Radio Terminal Subsystem
 Section 3.3.4 – CDL COMSEC Subsystem
 Section 3.3.5 – Link Control Subsystem
 Section 3.5 – Physical Characteristics
 Section 3.10 – Reliability, Maintainability and Availability

VOLUME 1 – FACTOR 2: MANAGEMENT APPROACH

Factor 2 – Management Approach. The Offeror shall describe its proposed Management Approach and its proposed resources. The Offeror shall describe how its proposed resource utilization reflects a sufficient understanding of the technical requirements of the SPS and SOW. The description of the management approach shall include information at the prime and subcontract level for the Basis of Estimate (BOE) and Bill of Materials (BOM). The Offeror shall propose management risks for the following four (4) Subfactors:

<u>SUBFACTOR</u>	<u>TITLE</u>
2.1	Program Management
2.2	Integrated Master Schedule
2.3	Data Rights
2.4	Small Business Utilization

Subfactor 2.1 – Program Management.

The Offeror shall describe its proposed approach for managing and directing the NTCDL efforts in accordance with SOW Section 3.1. This description shall include an explanation of how the Offeror will align its program management organization with the requirements of the NTCDL SOW, as well as a description of the procedures

processes and controls the Offeror will utilize to manage the program, schedule, performance, and risk. The Offeror's proposed approach shall describe its organizational structure, and identify the lines of responsibility, authority, and communication through which the NTCDL efforts will be managed, including the approach for managing subcontractor efforts. The Offeror shall describe its approach for managing staffing and for integration of the functional teams who will support NTCDL. The Offeror shall clearly identify any major technical risks and planned mitigation efforts.

The Offeror shall describe its production management approach in both the development (e.g. EDMs) and LRIP phases of the contract. The Offeror shall describe the facilities required to perform production, production acceptance testing and operational support for the NTCDL program. The Management Approach shall address the assessment of status and the generation of the required Technical Performance Measures (TPMs) (SOW Section 3.1.6.3). The Management Approach shall also address the following SOW sections which will be covered under the required Program Management Plan (PMP) (SOW Section 3.1.1) and the Software Development Plan (SDP) (SOW Section 3.2.3.3), including (not listed in order of importance):

- Hardware and software development processes
- Integration approaches
- Test methodologies
- Risk management
- Quality Assurance

Subfactor 2.2 - Integrated Master Schedule.

The Offeror shall provide an Integrated Master Schedule (IMS) as required in SOW Section 3.2.2 that identifies all activities and deliverables associated with the base period (Engineering Development Model development). The schedule shall depict the critical path required from the time of contract award to the completion of Functional Configuration Audit (FCA)/Physical Configuration Audit (PCA) for the two (2) Engineering Development Model (EDM) assets as required by SOW Section 3.2.8.5, Configuration Audit. The IMS shall be delivered in MS Project (version 2010 and backward compatible to MS Project 2007). The Offeror shall extend the Government Provided Work Breakdown Structure (WBS) (as provided at Attachment 8 to the RFP) and provide justification for the extensions.

Subfactor 2.3 - Data Rights.

The Government desires "Government Purpose Rights" as defined in DFARS 252.227-7013 and DFARS 252.227-7014 for all noncommercial Technical Data/Computer Software (TD/CS) deliverables. For each item of noncommercial TD/CS that the Offeror asserts should be delivered with specifically negotiated license rights or other non-standard rights (as discussed at DFARS 252.227-7013 "Rights in Technical Data – Noncommercial Items", the Offeror shall set forth a complete description of all such proposed non-standard restrictions on the Government's ability to use, modify, release, perform, display, or disclose such technical data. Similarly, the Government desires the commercial equivalent of Government Purpose Rights for all commercial TD/CS deliverables. These rights would include the Government's right to disclose the commercial TD/CS to third parties outside the Government, for transactions where the Government is a party (including future procurements), but the third party recipient must sign an NDA that prevents any further use of the TD/CS. For all commercial TD/CS that the Offeror (including its sub-Offerors or suppliers, or potential sub-Offerors or suppliers, at any tier) intends to deliver with commercial license rights that are less than these rights, the Offeror shall provide: (1) identification of the data or software; (2) basis for asserting restrictions; and (3) asserted rights category.

The Offeror shall provide a completed copy of the Section K certification DFARS 252.227-7017, "Identification and Assertion of Use, Release, or Disclosure Restrictions," identifying what, if any, restrictions to the Government's rights to use, release or disclose the technical data that will exist for each and every CDRL to be delivered under this contract. The Offeror shall also provide a completed copy of the Section K certification DFARS 252.227-7028,

“Technical Data or Computer Software Previously Delivered to the Government” (JUN 1995), identifying all noncommercial technical data that it intends to deliver with other than Government Purpose Rights and that are identical or substantially similar to technical data that the Offeror has delivered to, or is obligated to deliver to, the Government under any contract or subcontract. **The Offeror shall also complete Section K-99, Pre-Award Identification And Assertion Of Restrictions On Commercial Technical Data And Commercial Computer Software (MARCH 2014).**

If there are any costs associated with receipt of Government Purpose Rights or costs associated with license fees for commercial TD/CS licenses, the Offeror shall provide those proposed costs in the Cost Volume, and the Government may, but is not obligated to, modify the resulting contract to include those costs as an Option CLIN to Section B of the RFP. The Offeror shall also complete and provide with their proposal the Data Rights table set forth in Section B as part of their response to this Subfactor. The table in Section B delineates the Government’s technical data documentation rights by CDRL item. The rights classification would only be applicable to the extent the CDRL item or parts thereof meet the definition of technical data, computer software, or computer software documentation.

The Offeror shall describe how the Offeror's system design minimizes reliance on proprietary, vendor unique, or closed software and/or hardware elements and the extent to which the use of proprietary, vendor unique or closed elements hinder the Government's ability to do the following (see list below).

- Enable Government to separately purchase its own equipment and assemble NTCDL configurations in Government labs;
- Enable third party Government or contractor teams to integrate additional hosted applications;
- Enable hand off of design documents, install documents, and software to the Full Rate Production contractor for production; and
- Enable hand off of design documents and software to the Full Rate Production contractor for modifying and extending NTCDL design and NTCDL software.

If offeror proposes less than GPR, then the offeror shall include the following in its proposal:

- (1) Approach and methodology to achieve interoperability with the NTCDL system.
- (2) Approach to achieving open systems architecture in accordance with SOW 3.2.3.1.
- (3) A description of whether the offeror is proposing to deliver constrained items, as that term is defined below.
 - a) For each constrained item, the offeror shall describe how, without any additional support from the offeror, that delivery approach does not interfere with the Government’s objectives for the performance of the following activities by the Government or an authorized third party:
 - i. Operation and maintenance in the sustainment of the NTDCL system;
 - ii. Modifying interfaces when necessary;
 - iii. Cybersecurity and software assurance, including access to and scans of the NTCDL system code; and
 - iv. Training on the NTCDL system solution throughout the program lifecycle.
 - b) A “constrained item” includes: each item of non-commercial technical data (TD), computer software (CS), or computer software documentation (CSD) the offeror lists in DFARS 252.227-7017 with rights having more constraints than Government Purpose Rights (GPR), and each item of commercial TD, CS, or CSD listed in K-99 associated with interface and training deliverables with rights having more constraints than rights similar to GPR. The phrase “similar to GPR” means the Government's rights to:
 - i. Use, modify, reproduce, release, perform, display, or disclose the commercial TD, CS, or CSD within the Government without restriction; and,
 - ii. Release or disclose the commercial TD, CS, or CSD to third parties outside the Government for United States Government purposes and authorize third parties to whom release or disclosure has been made to use, modify, reproduce, release, perform, display, or disclose that commercial TD, CS, or CSD for transactions where the Government is a

party (including reprocurments), provided the third party recipient signs a Non-Disclosure Agreement consistent with DFARS 227.7103-7.

- c) If an offeror proposes to deliver Constrained items as defined in paragraph (b) above, the onus is on the Offeror to convince the Government that the Government can still meet its stated objectives despite the delivery of the Constrained Item.

Notwithstanding the above, an Offeror will not be deemed non-responsive if it offers to provide rights more restrictive than Government Purpose Rights on any portion of the technical data, and/or software to be delivered under this contract for which it is entitled to assert those restrictions pursuant to the DFARS 252.227-7013 and 252.227-7014; nor is the Government's goal of acquiring Government Purpose Rights a condition of award; rather, it is a factor in the source selection decision.

Subfactor 2.4 - Small Business Utilization.

Offerors, unless otherwise exempt due to being a small business* concern or a company performing outside of any state, territory, or possession of the United States, the District of Columbia, and the Commonwealth of Puerto Rico, shall, in accordance with FAR 19.7 and FAR 52.219-9, submit (1) Small Business Subcontracting Plan; (2) Evidence that subcontracting goals were met on previous contracts; and (3) Table with proposed first tier subcontractors.

Failure to submit a Small Business Subcontracting Plan shall make the offer ineligible for award of a contract.

Small Business Category	SPAWAR Target (Based upon percentage of subcontracted amount)
Total Small Business (including the below)	37%
Small Disadvantaged Business	5%
Women-Owned Small Business	5%
Veteran-Owned Small Business	3%
HUB Zone	3%
Service-Disabled Veteran-Owned Small Business	1%

*Small Businesses include Small Disadvantaged Businesses, Women-Owned Small Businesses, Veteran-Owned Small Businesses, Service-Disabled Veteran-Owned Small Businesses, HUBZone Small Businesses and Historically Black Colleges or Universities and Minority Institutions.

Large Business Concerns shall describe the extent to which their companies have identified and committed to provide for participation by Small Business Concerns, Small Disadvantaged Concerns, Women-Owned Small Business Concerns, Veteran-Owned Small Business Concerns, HUBZone Small Business Concerns and Service-Disabled Veteran-Owned Small Business Concerns in the performance requirements addressed within this solicitation. The Offeror shall provide sufficient information to demonstrate that the tasks assigned the selected Small Business subcontractors are meaningful in the overall success of the program and also broaden the subcontractor's technical capability. The Offeror shall describe their management approach for enhancing Small Disadvantaged, Women-Owned Small Business, Veteran-Owned Small Business, HUBZone Small Business, and Service-Disabled Veteran-Owned Small Business subcontractor's technical capability. Of special interest is the amount and type of work to be performed by the subcontractor(s). The Offeror shall explain the reasons for and advantages of selecting particular subcontractors.

Large Business Concerns shall also provide evidence of the extent to which they have met small business subcontracting goals on previous contracts/orders. To demonstrate previous goal achievement, the Offeror shall submit the two most recently filed Individual Subcontract Reports (ISR) (formerly SF 294) for each of their prime contracts identified in Factor 3 Past Performance.

A table that lists all their proposed first tier subcontractors individually by name and cage code with their addresses and their business type (large, small, small disadvantaged, women-owned, HUB Zone, veteran-owned, service-

disabled veteran-owned small) as determined by the SBA size standard for the specific work being subcontracted. The table shall also include:

- a. The principal service being provided by the subcontractor, and
- b. The complexity of the service provided. A brief narrative on complexity of subcontract services must describe advanced professional skills or application of innovative technologies.

A sample table is provided below:

Name of 1 st Tier Subcontractor	Subcontractor Cage Code	Subcontractor Address	Type of Business (Large, SB, HUB Zone, SDB (incl. HBCU/MI), WOSB, VOSB, SDVOSB) List all Applicable Categories	Principal Supply/ Service Provided	Complexity of Product/Service Provided (Brief Narrative)
XYZ Corp.	1X234	123 Main St. Anytown, NY 01345	Large	Castings	Manufactured to .01 tolerance
Acme, Ltd.	2X345	456 First Ave. Somewhere, NY 54321	SB, SDB, VOSB	Logistics Software	Utilizing ISO 9000 and S100D standards with XML

The System for Award Management (SAM) (<https://www.sam.gov>) database will be viewed to verify the small business category or categories of the proposed small businesses in the table. The Offeror shall list all applicable business types for which each subcontractor qualifies. The definition of a small business concern is as set forth in 13 CFR 121.105.

NOTE 1: This information is for source selection evaluation purposes only. The Small Business Subcontracting Plan shall be submitted by the Offeror in accordance with FAR 52.219-9 stating cumulative subcontracting goals in both dollars and percentages of total subcontracted amount.

NOTE 2: Offerors are reminded that all goals accepted and incorporated into the resulting contract will be subject to FAR Clause 52.219-16, "Liquidated Damages-Subcontracting Plan."

NOTE 3: Offerors are reminded that the Small Business Subcontracting Plan (required from large businesses only) shall correlate with the proposal information on small business participation.

VOLUME I - FACTOR 3: PAST PERFORMANCE

Factor 3 – Past Performance

Using the format provided with Attachment 7, Relevant Experience Form, offerors (prime and/or major subcontractors) are to provide relevant experience information on current contracts performed by the offeror and/or its proposed major subcontractors for efforts similar and relevant to the requirements of this Request for Proposal. This data shall be submitted for the (3) three most current and relevant references (prime and/or major subcontractors not to exceed a total of three). A major subcontractor is defined as a subcontractor whose proposed cost is greater than 10% of the total of the prime contractor's

cost (excludes all subcontractors costs). Current is defined as a contract performed within the last (7) seven years.

For each relevant experience, the offeror shall list and provide contract information for the Contracting Officer and Program Manager. The offeror shall ensure that the contact information is current, accurate, and complete. The offeror shall define and describe how each reference meets the design, development, production, integration, testing, and procurement experience to the requirements described in the NTCDL SPS and SOW.

In addition, the offeror must submit CPARS evaluation, if available, for each relevant experience. If CPARS is not available, complete and provide Attachment 6, Past Performance Questionnaire.

Offerors that have no record of past performance (e.g., new businesses) must submit a signed and dated statement to that effect.

The Government does not assume the duty to search for data to cure the problems it finds in the information provided by the offeror. The burden of providing thorough and complete past performance information remains with the offeror.

The Government reserves the right to use past performance information obtained from sources other than those identified by the offeror. The Government reserves the right to contact references for verification or additional information. This past performance information will be used for the evaluation of past performance.

The submitted Contractor Performance Assessment Reporting System (CPARS) or Past Performance Information Retrieval System (PPIRS) reports shall not count against the page limitations established for this proposal volume.

FACTOR 4 - COST PROPOSAL (VOLUME II)

INTRODUCTION: This volume shall contain cost/price information only. The guidelines and requirements in this section are provided to (1) aid Offerors in preparing their cost volume, and (2) aid the Government in reviewing and evaluating those proposals as described in Section M. The Government's intent is to provide instructions that will allow the Offerors to develop clear, concise and comprehensible proposals and to minimize data requests by the Government during the evaluation process.

ORGANIZATION: The cost/price proposal instructions outlined in this section shall be followed in developing the proposed costs and prices for all CLINs listed in Section B – Supplies/Services and Prices/Cost of this RFP. Offerors shall complete Section B and provide it in this volume with an additional copy to be provided in the Contractual Document Volume III. Offerors shall complete Section B (including all of its associated tables) by proposing:

(a) NTCDL System Design and Development Phase (CLINs 0001). An estimated cost and fixed fees calculated in accordance with the instructions set forth in Section B of the RFP;

(b) Engineering/Fielding Services (Option CLINs 0004, 1003, and 2003, if options are exercised.). The Offeror shall provide an estimated cost and cost plus fixed fee calculated using the Government Not to Exceed amounts. In addition, the offeror shall provide an estimate of the labor hours.

(c) NTCDL LRIP Systems. (Option CLINs 1001, and 1004, if options are exercised.) The Offeror shall insert individual unit prices and total prices for the quantities identified in the Pricing tables provided in Section B of the RFP.

(d) Provisioning Items Ordered (PIO). The Government has determined a ceiling amount for each of the CLINs, which the offeror shall include in the total value of the contract effort.

(e) PROPOSED DATA RIGHTS (if applicable) - If there are any costs associated with receipt of "Government Purpose Rights" the Offeror shall provide those proposed costs in the Cost Volume, and the Government may modify the resulting contract to include those prices as firm fixed price option CLIN(s) to Section B of the RFP. The offeror shall also complete and provide with its proposal the Data Rights table as set forth in Section B. The table in Section B delineates the Government's technical data, computer software, and computer software documentation rights by CDRL item. The rights classification applies only to the extent the CDRL item or parts thereof meet the definition of technical data, computer software, or computer software documentation.

Cost Proposal Format

The Offeror's cost/price proposal shall be divided into two sections: (1) Cost, and (2) Price.

(1) Cost Section: The Offeror shall populate the Government provided cost templates (Attachment 8), which is a product-oriented WBS and will identify breakout between non-recurring and recurring costs.

Cost Templates. The Offeror shall populate the cost templates to at least Work Breakdown Structure (WBS) level 5 for hardware and software, and level 3 for all other elements. **The Offeror shall insert the actual WBS name wherever placeholder names are used (e.g., "Component A" and "Subcomponent 1")**. The Offeror-completed templates shall each contain the same WBS elements and names (that is, the same WBS shall exist in each of the worksheets within a workbook, and across workbooks). If there are no costs associated with a certain WBS element, the Offeror shall place a zero in the appropriate cell(s) as a placeholder. This data shall be provided in Microsoft Excel spreadsheet format with all formulas in place to perform the necessary summing functions. Formulas between worksheets shall also be maintained. For example, if the labor hour worksheet directly supports the labor dollars worksheet, the formula used to develop that cost/price shall be preserved. Traceability among/between worksheets and WBS elements shall be maintained.

The Offeror may modify rows and columns to expand WBS detail. However, the WBS structure shall be identical across all worksheets within Attachment 8. When WBS elements are added, they shall follow the numbering sequence. WBS names shall be descriptive and be product-oriented as provided by MIL-HDBD-881A. Additionally, the Offeror may adjust page breaks, margins, orientation, and page size to accommodate a logically flowing, easy to follow cost proposal. Again, the intent is to aid the Government in reviewing and evaluating the proposal.

Cost Breakdown (Applicable to CLINs 0001, 0004, 0005, 1003, and 2003)

The cost breakdown shall indicate the Offeror's total estimated proposed cost. Any information submitted must support the costs proposed. Include sufficient detail or cross references to clearly establish the relationship of the information provided to the cost proposed. Support any information provided by explanations or supporting rationale, as needed, to permit the Contracting Officer and authorized representatives to evaluate the documentation.

The cost breakdown shall indicate the Offeror's total proposed cost (broken down by labor hours, rates, and dollars; material dollars, Other Direct Cost (ODC) dollars, and subcontract dollars) including applicable overheads, indirect rates and dollars, General and Administrative (G&A), Facilities Capital Cost of Monies (FCCM), and fee. **Any Major Subcontractor's (greater than 10% of prime Offeror's proposed cost) shall be provided in complete detail with cost breakout.** Any information submitted must support the costs proposed. Include sufficient detail or cross references to clearly establish the relationship of the information provided to the cost proposed. Support any information provided by explanations or supporting rationale, as needed, to permit the Contracting Officer and authorized representatives to evaluate the documentation.

Each spreadsheet shall be formatted in Microsoft Excel 2007 and contain cells with working formulas and calculations. Each spreadsheet shall be structured so as to show separate totals per CLIN.

Substantiation. Substantiation is required for all costs included in the cost volume. The requirements outlined in this section shall apply equally to the prime and any expected major subcontractors. As mentioned before, general statements such as “estimates were derived from engineering analysis for judgment” are unacceptable. Statements that simply describe a historical program and the associated labor hours and material costs do not substantiate a cost estimate. The relationship of that program to the proposed system must be demonstrated and justified as outlined in this section. If a “new or improved” sensor or engineering or manufacturing process is the basis for projecting cost savings over historical systems, the Offeror shall provide a description of the improvements, the relationship to the previous process, and a summary of how these improvements will be achieved. Specific savings in work hours and material must be documented and justified with regard to the content and practicality of these improvements. Estimates for level of effort tasks shall include the following: task duration, time-phased hours and associated costs, and the relationship between the historical system and the proposed system. If a Commercial Off-the-Shelf (COTS) software product is used to estimate program components, all supporting documentation shall be provided.

If the Offeror provides information in other Proposal Volumes that the Offeror believes will significantly assist the Cost Team in evaluating and/or understanding the Cost Volume, the Offeror shall provide a cross-reference matrix in the Cost Volume that indicates the Proposal Volume, page number where the information can be located, and its merit in evaluating the Cost Volume.

Basis of Estimate (BOE). The Offeror shall provide a BOE for every WBS element that shall include the following.

- Estimating methodology employed (e.g. parametric technique, bottoms-up technique, analogy technique).
- Complete description of the tasks to be performed. Battery testing and certification shall be included.
- Task duration.
- Product resulting from the task (drawings, analyses, etc.).
- Labor hours (by labor category) required to complete the task.
- Number of man-hours required to support the task from various support groups (such as the Technical Laboratory, Materials, Computer Programming, Drafting, Reliability, and Quality).
- Material dollars.
- ODC dollars.
- Subcontract dollars.
- Basis of the labor hour, ODC, and material estimates.
- Historical data, adjustments made, (if man-hours estimate is based on previous work experience for a similar task) and cross-checks.
- Trace to the IMS and CWBS

The BOE shall include reasons and justification for any adjustments made to programmatic, technical and actual cost data for the historical system. The Offeror shall provide the basis and document any adjustments applied to the historical data, such as complexity factors and normalization methods, to reflect the characteristics of the proposed system. The BOE shall also include an audit trail "sufficient" for the Government to reconstruct the proposed estimate and judge the credibility of data application. The BOE shall include the estimating methodology and application of the cost data. Substantiation is required for all costs included in the cost proposal. The requirements outlined in this section shall apply equally to the prime and any expected major subcontractors as prescribed in FAR 15.404-3 (in excess of 10% of the prime Offeror's cost proposal). Regardless of which cost estimating approach/methodology is utilized, general statements such as “estimates were derived from engineering analysis for judgment” are unacceptable. Statements that simply describe a historical program and the associated labor hours and material costs are also unacceptable. The BOE shall contain all pertinent technical and programmatic information used to develop the cost. For example, if analogy was used, the BOE shall include descriptive and comparative information between the proposed and analogous system. Additionally, it would contain information that explains why the analogy is appropriate, such as: program/mission descriptions; comparisons of operating and

performance characteristics; and other comparative characteristics such as size, weight, power, clock speed, throughput, etc. The BOE shall provide sufficient information to allow Government cost estimators and system engineers to understand how and why the systems are analogous. It should also provide sufficient information and follow a logical flow so that the estimate is repeatable and easily understandable.

In all circumstances, the equation used to develop costs shall be provided in all BOEs. Information contained within the BOE shall support the provided equation.

The following subsections provide further clarification on the requirements of the above elements.

Labor. For each WBS element, the Offeror shall provide a description of the work to be performed, the total hours proposed, and the basis for the estimate. Descriptions of work to be performed must be explicit regarding what work will or will not be included in the effort. The Offeror shall distinguish between recurring and nonrecurring efforts. Identify the various labor categories required/intended for use under this contract (e.g., Sr. Engineer, Jr. Engineer) including the number of labor hours and total cost for each labor category proposed. The labor specified under this category shall be for the prime contractor's direct labor and shall also include any subcontracted labor. If the subcontractor will not release this information to the prime contractor, then the subcontractor shall submit this information under separate cover directly to the Contracting Officer. If this solicitation requires work to be performed at both the contractor and a Government site, then the proposal must include your company policy concerning any stipulations as to when on/off-site rates are effective. If standard hours are used as the basis for an estimate, the Offeror shall provide any factors applied to the standard hours (i.e., realization factor), the method of calculation, the total proposed hours, the basis of the factors, and the process flows for each WBS element. Hours for the functional labor categories shall be shown separately and broken down according to the WBS elements. If standard hours were not used as the basis for an estimate, the Offeror shall provide the detailed estimates as developed, as well as substantiation, in terms of history from other programs to demonstrate that the proposed hours are reasonable. In addition, any cross-checks used to verify the reasonableness of the estimate shall be provided. The Offeror shall also provide a list of units and partial units, if any, built under the engineering labor category and the hours proposed for these units. The Offeror shall provide definitions of all functional labor categories referred to in this proposal.

Uncompensated Overtime and Professional Employees. Proposals that include hourly rates for exempt employees which are based on more than a 2,080 hour work-year shall be identified as Uncompensated Overtime as defined in the FAR 52.237-10 "Identification of Uncompensated Overtime" provision in this solicitation and evaluated in accordance with the "Uncompensated Overtime Evaluation" provision in Section M. Offerors are advised that the above plan will be used regardless of the methodology proposed or name given to the compensation plan (i.e., Total Time Accounting, Competitive Time Accounting, Compensated Overtime, or Standard Workweek). If an Offeror decides to include uncompensated effort in their proposal, the following requirements shall be met and reflected in the proposal:

- (a) The Offeror must have an established cost accounting system, determined Adequate by Defense Cost Accounting Agency (DCAA) that records all hours worked, including uncompensated hours, for all employees, and regardless of contract type. Failure to meet this requirement may result in the proposal being removed from consideration for contract award.
- (b) Uncompensated hours, for all employees and regardless of contract type, shall be included in the Offeror's base for allocation of indirect costs and meet the requirements of Cost Accounting Standard (CAS) 418 "Allocation of Direct and Indirect Costs."
- (c) The proposed shall clearly identify hours of uncompensated effort proposed by labor category.
- (d) The proposal shall clearly identify the amount of uncompensated effort that will be performed without supervision and without support personnel and shall assess the productivity of such effort. Additionally, clearly identify the means by which the Offeror controls or schedules uncompensated overtime for its employees as well as where the uncompensated effort will be accomplished.

(e) The proposal shall describe the extent to which employees are required or encouraged to perform uncompensated effort and the impact the use of uncompensated effort has on work effectiveness.

(f) The proposal shall include a copy on the corporate policy addressing the uncompensated effort.

(g) The proposal shall include a separate, complete, cost breakdown, to the same level of detail as the breakdown supporting the cost proposal. The breakdown shall include direct labor rates for all direct labor categories based on the division by 2,080 of exempt employees actual annual salary, to represent a standard (as deemed by Fair Labor Standards Act) 40-hour week or 2,080 hour standard year. In addition, the breakdown shall include overhead rates and other costs based on employees working a standard 40-hour workweek or a 2,080 hour standard year. **IT IS THIS COST BREAKDOWN THAT WILL BE USED TO PERFORM THE COST REALISM PORTION OF THE PROPOSAL EVALUATION.**

(h) The requirements stated in paragraphs (a) through (g) above shall be met for each subcontract which has uncompensated effort included in the proposal.

Material. The Offeror shall provide a list of the Bill of Material (BOM) broken out according to the WBS. The BOM should be complete and represent the configuration on which the offeror bases the cost, i.e., the BOM should also include major subcontractor costs and any Inter-Division Transfers (IDT). Equivalent offeror formats may be used for information required in the BOM template below, however, precise instructions must be provided by the offeror showing traceability to the Government BOM below. Identify proposed material items, purchased parts or subcontracted materials including the basis for the proposed amount (e.g., engineering estimate, vendor quote, catalog item). The offeror shall provide a detailed BOM including the following:

- WBS Number
- WBS Element Description
- Item Description
- Unit of Measure
- Vendor Identification
- Basis of Price (i.e. Written quote, Verbal quote, Estimate, Analogy, etc.)
- Basis of Requirement - how do you know you need this item? (i.e. drawing, engineering estimate, similar program)
- Identification of whether the part is make, sole source or competitively procured
- Identification of Cost Category (i.e., Raw Material, Purchased Part, Purchased Equipment, Subcontract, and IDTs)
- Quantity
- Unit price
- Total Recurring, Non-Recurring, and Extended \$ without burden
- Burden dollars
- Total material dollars burdened without G&A and Fee

Additional Material Information. The offeror shall provide an explanation of any factors applied to the material costs. Examples of these factors include panstock, scrap, rework, yields, escalation, learning curves, freight, quantity adjustments, and negotiation decrements. Substantiation, including the historical data to support these factors, shall also be provided. The offeror shall also distinguish, for both, if separate factors are applied to purchased parts, subcontracts, and Inter-division Transfers (IDTs).

For all items that constitute the top 80% of the BOM costs (this includes IDTs for materials) for the offeror and major subcontractors, the following additional information shall be provided:

- (a) A narrative summary that gives the approach for estimating material.
- (b) A description of the system being proposed and the name of the offeror proposing the system.
- (c) How the offeror estimated the cost of the system (i.e., analogy, ROM, model, CER, etc.), and data substantiation in accordance with Section 1 - General Instructions. If a cost or price model was used,

provide all information (i.e., all assumptions, inputs, etc.) necessary to duplicate the estimate and determine its reasonableness.

- (d) The offeror's or major subcontractor's evaluation of any quote estimates (i.e., rationale used to determine the reasonableness).

Minor Subcontracts. The offeror shall provide a list of subcontracts, if any, which are not included in the BOM. This includes IDTs for services.

Other Direct Costs (ODC). Within each BOE, include the following for support for ODC items:

- (a) Dollars
- (b) A narrative summary that gives the approach for the estimate
- (c) How the offeror estimated the cost (i.e., analogy, Rough Order of Magnitude (ROM), model, Cost Estimating Relationship (CER), etc.). If a cost or price model was used, provide all information (i.e., all assumptions, inputs, etc.) necessary to duplicate the estimate and determine its reasonableness
- (d) The offeror's or major subcontractor's evaluation of any quote estimates (i.e., rationale used to determine the reasonableness)
- (e) Explain any factors applied. Examples of these factors include panstock, scrap, rework, yields, escalation, learning curves, freight, quantity adjustments, and negotiation decrements. Substantiation, including the historical data to support these factors, shall also be provided. The offeror shall also distinguish, for both, if separate factors are applied to purchased parts, subcontracts, and Interdivisional Transfers (IDTs)
- (f) For travel, include: (1) destination; (2) number of personnel; and (3) duration

Major Subcontractor Rates. The Offeror and each major subcontractor shall provide the rates used in the proposed cost in accordance with the format described in this section. Due to the proprietary nature of company rates, this information may be presented separately for each Offeror and major subcontractor. A trace to the cost reimbursable CLINs shall be included to ensure the proper application of the rates.

Indirect Rates. The Offeror and major subcontractors shall submit the indirect rates used in the proposal. Sample indirect rate accounts are listed below.

- Engineering Overhead
- Manufacturing Overhead
- General & Administrative (G&A)
- Material Handling Overhead
- Facilities Capital Cost of Money (FCCM)

The Offeror and major subcontractors shall include a projection of indirect rates that assumes the award and inclusion of the NTCDL contract in the business base. Any changes to the current Forward Pricing Rate Agreement (FPRA) indirect rates due to variation of the business base or other factors impacting the rates shall be fully described and justified.

The Offeror and major subcontractors shall describe and substantiate the development of composite indirect rates that represent a combination of company labor categories, functional elements, or calendar year accounts. Furthermore, the Offeror and major subcontractors shall submit detailed definitions for each indirect rate account (overhead pool). Definitions shall identify for each account: (1) the specific costs that accrue to it and (2) a breakout of the top 80% of the costs.

Direct Rates. The Offeror and major subcontractors shall provide the most current rates, for each cost center, that are in effect at the time of proposal submission. This shall include the current FPRA direct labor rates, the projected direct labor rates assuming contract award, the current company labor categories, and the mix of company labor categories proposed for this contract. The Offeror and major subcontractors shall document the development of composite direct rates, which represent a combination of company labor categories, functional elements, or calendar year accounts. In addition, the Offeror and major subcontractors shall submit detailed definitions for each direct

labor category. The Offeror and major subcontractors shall also include the basis for any projected annual increases and any other factors applied to direct rates.

Fee. Subcontractor fee will not be billed as a separate direct cost on any voucher submitted by the contractor to the Government, but will be paid to the subcontractor by the prime contractor from the incentive fee billed from the fixed fee pool.

Cost to Sell Equations. The Offeror and major subcontractors shall submit the methodology used to transfer the cost data (i.e., direct labor hours or material direct dollars) into a sell price to the Government (i.e., fully burdened with fee). The following is an example of a material cost to sell equation where the sell price (Material Sell\$) equals direct material (Material Direct\$) times one plus the overhead rate (1+OH Rate) times one plus the G&A rate (1+G&A) times one plus fee or profit (1+Fee or Profit).

$$\text{Material Sell\$} = \text{Material Directs\$} \times (1+\text{OH Rate}) \times (1+\text{G\&A}) \times (1+\text{Fee or Profit})$$

The equation indicates the type and order in which the indirect rates, profit, etc., shall be applied to direct costs to determine the sell price. Also included in this description is the base (Material Direct\$) against which each of the overhead pools is applied. Note that this is an example of the level of documentation required. The Offeror and major subcontractors must document their method of developing the Cost to Sell Equation.

Sensitivity Analysis. The Offeror and major subcontractors shall also explain the sensitivity of the cost estimate to changes in the business base and production rate.

(2) Low Rate Initial Production (LRIP) Phase

The contractor shall populate the table below and provide the completed table in the Price Section of the contractor's Volume II Cost Proposal. The price in the table below shall match that which the contractor priced in Section B for the corresponding quantities. The "Estimated Quantity" ("EST QTY") column reflects an estimate of what to the Government may acquire, over the life of this contract. The Government does not guarantee that it will actually exercise options for the quantities and types of products listed below. The current estimate is provided for the contractor's information and the Government's use in evaluating proposals.

CLIN	EST. QTY (A)	UNIT PRICE (B)	TOTAL EVALUATED PRICE (A * B)
1001	2		
2001	2		

Pricing Information for NTCDL System hardware (Applicable to Option CLINs 1001, and 1002, if options are exercised.) The Offeror shall provide information to support evaluation of the unit prices proposed for the NTCDL System quantities identified in Section B of the RFP. For evaluation of NTCDL System pricing, the Offeror shall provide a narrative description of its pricing approach for the quantities contained in Section B, including the estimating techniques used, learning curve assumptions, quantity discounts, and formulas applied to derive the prices.

The price for each NTCDL System includes all material costs, subcontract costs, other direct costs (to include license fees for use of commercial components, if applicable), direct and indirect engineering and manufacturing labor costs, inclusive of, but not limited to, systems engineering, program management, and configuration and data management activities, other indirect costs included in approved Forward Pricing Rate Agreements, and profit. The learning curve may also include escalation.

General Guidelines for Content

Offerors shall prepare Volume III: Contract Documents in five (5) Sections as follows:

Section A	Letter of Transmittal, Completed Standard Form (SF) 33, and Completed RFP Sections B through K
Section B	Exceptions To The RFP
Section C	Security Clearance Levels as Required by DD Form 254
Section D	Organizational Conflict of Interest Mitigation Plan(s)
Section E	Small Business Subcontracting Plan
Section F	Response to Mandatory Requirement

VOLUME III - SECTION A: LETTER OF TRANSMITTAL, COMPLETED STANDARD FORM (SF) 33, AND COMPLETED RFP SECTION B THROUGH K

The offeror's proposal shall include a cover letter on the offeror's letterhead stationery and signed by an executive of the company who possesses authority to contractually bind the offeror. The cover letter shall acknowledge receipt of all amendments (if any are issued) to the RFP. The submittal letter shall identify all enclosures being transmitted as part of the response to the RFP. The letter shall reference the RFP number and acknowledge that it transmits an offer in response to the RFP. It shall state: (1) Commercial and Government Entity (CAGE) number, (2) Data Universal Numbering System (DUNS) Number, (3) Taxpayer Identification Number (TIN), (4) address(es) of the location(s) at which the offeror intends to perform the proposed effort, (5) the name, address and telephone number of the cognizant DCAA audit office, (6) the name, address and telephone number of the cognizant DCMA office, and (7) a statement that the proposal is valid for no less than **295** calendar days after the date established for receipt of offers. The above listed information (items 1-7) shall also be provided for proposed first tier subcontractors. If subcontracting with another company(ies) is proposed, a copy of the subcontractor agreement(s) shall be provided as an enclosure(s) to the cover letter.

The offeror's proposal shall provide a completed RFP to include completed SF33 and Sections B and K.

VOLUME III - SECTION B: EXCEPTIONS TO THE RFP

The offer shall identify any exceptions to the RFP.

VOLUME III – SECTION C: SECURITY CLEARANCE LEVELS AS REQUIRED BY DD FORM 254

Offerors shall document that all facilities and personnel proposed to perform this contract possess at a minimum the security clearance levels required by the RFP (DD Form 254).

VOLUME III – SECTION D: ORGANIZATIONAL CONFLICT OF INTEREST MITIGATION PLAN(S)

The Offeror shall submit draft versions of any required OCI Mitigation Plans, consistent with the guidance contained in L-339 "Notice of Organizational Conflict of Interest".

VOLUME III – SECTION E: RESPONSE TO SMALL BUSINESS SUBCONTRACTING PLAN

Offerors shall provide its Small Business Subcontracting Plan.

VOLUM III – SECTION F: RESPONSE TO MANDATORY REQUIREMENT

Each Offeror shall provide its response to the Mandatory Requirement in data file (lbd) and plain text file (txt) using the Link Budget v5.3 tool.

(End of provision)

(End of Summary of Changes)