

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE See Block #2	PAGE OF PAGES 1 of 20
2. AMENDMENT/MODIFICATION NO. N66001-02-R-5017	3. EFFECTIVE DATE 5 JUN 2002	4. REQUISITION/PURCHASE REQ.NO.		5. PROJECT NO. (If applicable)
6. ISSUED BY 2211 CODE	N66001	7. ADMINISTERED BY (If other than Item 6) CODE		
SPAWAR SYSTEMS CENTER, SAN DIEGO 53560 HULL ST., BLDG A33, RM 1602W SAN DIEGO CA 92152-5001 CODE 2211 Oliver Wong, (619) 553-4507 owong@spawar.navy.mil				
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(X)	9A. AMENDMENT OF SOLICITATION NO. N66001-02-R-5017	
		X	9B. DATED (SEE ITEM 11)	
			10A. MODIFICATION OF CONTRACT/ORDER NO.	
			10B. DATED (SEE ITEM 13) 10 May 2002	
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 Offers <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended.				
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:				
(a) By completing Items 8 and 15, and returning 1 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 MODIFICATION OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: ( ) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. 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 checked="" type="checkbox"/> 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.)				
The purpose of Amendment 0001 to N66001-02-R-5017 is to provide Answers to Questions and make Administrative Changes to the solicitation document.				
All other solicitation provisions remain unchanged.				
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) 15B.		16A. NAME AND TITLE OF SIGNER (Type or print) JAMES E. SMITH JR.		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED	
(Signature of person authorized to sign)		BY  (Signature of Contracting Officer)	6-5-02	

**AMENDMENT 0001****FOR QUESTIONS AND ANSWERS (Q&A'S) AND ADMINISTRATIVE CHANGES**

Regarding SSC-SD RFP N66001-02-R-5017, entitled "Secure Digital Communication Control System."

**1. Q&A's.**

Our answers are provided in the column "Response."

Note: Questions 23 and 24 were not posed before.

Question No.	Spec/ SOW Ref	Date Submitted	Question	Response
1	Spec. 3.2.1.1.3	13 May 02	What is the interface to the remote operator for sharing?	Telephone or radio circuit.
2	Spec. 3.2.1.4	13 May 02	This paragraph discusses simultaneous secure radio operation and intercom calls. Are all intercom calls regarded as RED (i.e. secure)?	Yes, all intercom calls are RED.
3	Spec. 3.2.2.4.2.1	13 May 02	How many headsets are to be provided?	One set per each operator station (total 27).
4	Spec. 3.2.2.4.2.2	13 May 02	Does the MUTE requirement for the red speaker also apply to the headset interface?	Yes
5	Spec. 3.2.2.5	13 May 02	Are the 40 intercoms specified in addition to and external to the operator positions?	No, the 40 intercoms are not external to the operator positions. 27 of the 40 will be part of the 27 specified operator stations the remainder will support the future expansion requirement.
6	Spec. 3.2.2.5.1.	13 May 02	Is Narrowband/Wideband select a required radio control function? If so, is this a contact closure type interface for all radios?	The switch has no requirement for radio control.
7	Spec. 3.2.2.5.3	13 May 02	Is there an ICD for the interface to the Networking Multiplexer?	No.
8	Spec. 3.2.2.5.4	13 May 02	How many of each type of CRYPTO device will be provided?	24-ANDVTs and 12 KY-58s
9	Spec. 3.2.2.5.5	13 May 02	Please confirm that there are separate recorders for RED and BLACK audio.	All recorded audio is considered RED.
10	Spec. 3.2.2.5.5	13 May 02	Are the recorders to be provided by the Buyer?	Yes, they are the existing recorders at the site.
11	Spec. 3.2.4.4	13 May 02	Will the existing operator positions need to be removed prior to installation of the SDCCS operator positions in the radar consoles and in the racks?	No.
12	Spec. 3.2.4.6.c	13 May 02	The phrase "entering designated stations for	RED information shall not be used for administrative

			administrative procedures” is not fully understood. Please clarify.	purposes.
13	SOW 3.15.1	13 May 02	When is the training to be delivered?	Training will be conducted after completion of factory testing
14	SOW 3.15.1	13 May 02	How many students will need to be trained?	No more than 14 students
15	SOW 3.15.2, SOW 3.15.3 / RFP Sec B	13 May 02	Which CLIN do the Optional items go under?	Training Material, CLIN 0002 Computer Based Training CLIN 0002
16	SOW 3.14.1 SOW 3.14.2	13 May 02	Which CLIN do these items (STI & SVDD) come under?	CLIN 0002
17	GENERAL	13 May 02	Please confirm that there is no requirement to submit a paper copy of the Proposal.	Section L states the requirement to submit both hard and soft copies of the proposal.
18	GENERAL RFP Sec M- p1	13 May 02	Please confirm our understanding that an “ACCEPTABLE” offer per Step 1 of the evaluation process may contain proposed deviations from the Statement of Work and the Specification.	Any exceptions to the terms and conditions of the RFP, imposition of any additional conditions, or any material omission will constitute deficiencies, which may render the offer unacceptable
19	RFP Sec M- p1	13 May 02	It is not understood how a ‘Promised Value’ is obtained as the acceptability is either PASS/FAIL. Please provide further clarification.	Promised Value is either “0” or “100.”
20	RFP Sec L	20 May 02	Please advise whether the 150 page limit for Volume III is inclusive of the Attachments.	Yes, the 150-page limit is inclusive of the attachments.
21	Spec 3.2.2.5	20 May 02	Para 3.2.2.5.1 refers to main/standby interfaces for radios. Please advise whether the 150 radio interfaces required are 150 main radios plus 150 standby radios or 150 radios only.	150 radios only.
22	Spec. 3.2.2.3	20 May 02	Para 3.2.2.3 is listed as MANDATORY in Section M of the RFP. We assume that the referenced sub-sections 3.2.2.3.1 to 3.2.2.3.4 only have the evaluation importance listed in Section M and are not Mandatory also by reference. Please confirm.	3.2.2.3, 3.2.2.3.1, 3.2.2.3.2, and 3.2.2.3.3 are mandatory requirements. 3.2.2.3.4 is a general requirement.
23	SOW 3.11.1	23 May 02	The Planned Maintenance SubSystem is shown as an OPTION, however there are two CDRL items 45 and 46 listed which refer to this Optional item. Is this really an option? If so, under what	The Planned Maintenance Subsystem is an option item. If the option is exercised it requires the contractor to prepare Maintenance Index Pages and Maintenance Requirement cards. CDRL

			CLIN should it be costed? Should the two CDRL items be included in the pricing for CLIN002 if they are only OPTIONS?	items 45 and 46 supports the development of the Maintenance Index Pages and Maintenance Requirement cards. These two CDRL items will come into effect upon exercising of the Planned Maintenance Subsystem option. CDRL items 45 and 46 should be priced under CLIN 0002.
24	RFP	May 24, 2002	Due to the number of questions awaiting response and our desire to put forward a quality proposal, we request a two week extension on the Solicitation Closing date to 28 June 2002.	Yes
25	Spec. Para 3.2.3.16.7	May 24, 2002	Crosstalk & Isolation. Our system is compliant with this clause, however we would be able to offer a lower cost solution if the 100dB crosstalk/isolation requirement was limited to between Red and Black and a higher level of crosstalk was acceptable between ports within the Red and Black sections. Would it be acceptable to propose, say, 60dB of isolation between ports within each section?	No, the NSTISSAM TEMPEST Requirement for Analog Voice is 100db and for Digitized Voice is 60db separation.
26	SOW Para 3.1.4.7 and 3.1.4.8 and 3.9.1 CDRLs 007, 008, 022	May 24, 2002	FCA is called out in para 3.1.4.7 to be conducted at FAT and PCA is called out in para 3.1.4.8 to be performed after Installation. The CDRLs imply that FCA/PCA be conducted at FAT and SAT. We propose to conduct a form of FCA/PCA at both FAT and SAT, but only deliver each CDRL once. Is this acceptable?	No, CDRL A007, Configuration Audit Summary Report, is due 30 days after each FCA and PCA. CDRL A008, Contractor's configuration Management Plan, is due no later than 90 days prior to each FCA and PCA. CDRL A022, Configuration Audit Plan, is due 90 days prior to each FCA and PCA.
27	Spec 3.2.4.4	28 May 02	RCS would like to request copies of the drawings for the existing radar display consoles.	See attached drawings.
28	Spec 3.2.4.4	28 May 02	For the 5 Type II Operator Stations that are rack mountable in a Standard 19" Racks, are these racks existing? If so are there copies of drawings available to the contractor to show dimensioning and placement of the Type II stations?	Yes, these racks are existing. See attached drawings

29	Spec 3.2.4.4	28 May 02	For the Type II Operator Stations mounted in the standard 19" rack. Are the racks vertical? Is there an HMI requirement that the panels be mounted to provide a viewing angle (i.e. not mounted flat to the rack but to provide a 15 to 20 degree angle from the horizontal) based on placement of the station in the rack and seating of the operator?	See attached drawings.
30	Spec. 3.1, 3.2.4.2	28 May 02	Para 3.1 references Figure A-1. In Figure A-1 the conceptual diagram shows the SDCCS as being the point of distribution or demarc to the Multi-Port I/O to external devices. In Para 3.2.4.2 it is stated that the Switching System will include the distribution frame. It is assumed that this Distribution frame is for connection to the external devices as defined above. For clarification, is the contractor or the customer responsible for cabling from the external devices to this distribution frame?	As per specification paragraph 3.2.2.5, Interface With External Devices, the proposed SDCCS shall be compatible with and interface to external equipment. Paragraph 3.2.4.1 states, that "The contractor shall provide all necessary interconnecting cables and connectors for voice, control and power for both switching and position equipment". The contractor is responsible for cabling from the external devices to the distribution frame.
31	RFP Section B	28 May 02	For CLINs 5, 6, 8, 9, 10, 11, 12, 13, 14, is the contractor to provide estimated costs for these Time and Materials with a not to exceed based on the CLIN description or are we to use the government's estimates as provided?	Should price these CLINs 5, 8, 9, 11, and 13. All these Time and Materials CLINs are established with Total Not-to-Exceed labor hours, and CLIN 8 is a FFP for hardware buy. All Travel CLINs 6, 10, 12 and 14 are priced with Total Not-to-Exceed dollars.

## 2. Q&A's.

"1. The solicitation on the SPAWAR web page states that the naics classification number for this procurement is 334210. in section k under paragraph 52.219-01 (a) (1) the naics code is listed as 541380."

Answer: NAICS 334210 is the correct one.

This Section K of the RFP, FAR 52-219-01 (a) (1) NAICS code is changed to read:

From: 541380

To: 334210

**The electronic solicitation posted to SSC-SD ECC reflects this change.**

"2. In part i - the schedule, section b - supplies or services page 7 under option year two services clins, the subclins under clin 013 are listed as 0015aa, 0015ab, 0015ac, and 0015ad?"

Answer: RFP's Section B – Supplies or Services, page 7, under Option Year Two's CLIN 0013's subclins are changed to read:

From:  
0013

OPTION CLIN

*Noun:* REPAIR SUPPORT SERVICES AND MATERIAL  
FOR THE SDCCS AND TEST BED

*Descriptive Data:*

Contract type: Y - TIME AND MATERIALS

<u>SubCLINs</u>	<u>Estimated Hours</u>
0015AA Supervisory Elect Technician	160
0015AB Mechanic	160
0015AC Electrical Technician	160
0015AD Software Engineer	160

Quantity Purchase Unit: 1 Lot

Not-to-Exceed 640 Hours Total \$ \_\_\_\_\_

To:  
0013

OPTION CLIN

*Noun:* REPAIR SUPPORT SERVICES AND MATERIAL  
FOR THE SDCCS AND TEST BED

*Descriptive Data:*

Contract type: Y - TIME AND MATERIALS

<u>SubCLINs</u>	<u>Estimated Hours</u>
0013AA Supervisory Elect Technician	160
0013AB Mechanic	160
0013AC Electrical Technician	160
0013AD Software Engineer	160

Quantity Purchase Unit: 1 Lot

Not-to-Exceed 640 Hours Total \$ \_\_\_\_\_

**The electronic solicitation posted to SSC-SD ECC reflects this change.**

Also CLIN 0011's subclins are changed to read:

From:  
0011

OPTION CLIN

*Noun:* REPAIR SUPPORT SERVICES AND MATERIAL  
FOR THE SDCCS AND TEST BED.

*Descriptive Data:*

Contract type: Y - TIME AND MATERIALS

<u>SubCLINs</u>	<u>Estimated Hours</u>
0012AA Supervisory Elect Technician	160
0012AB Mechanic	160
0012AC Electrical Technician	160
0012AD Software Engineer	160

Quantity Purchase Unit: 1Lot

Not-to-Exceed 640 Hours Total \$ \_\_\_\_\_

To:  
0011

OPTION CLIN

*Noun:* REPAIR SUPPORT SERVICES AND MATERIAL  
FOR THE SDCCS AND TEST BED.

*Descriptive Data:*

Contract type: Y - TIME AND MATERIALS

<u>SubCLINs</u>	<u>Estimated Hours</u>
0011AA Supervisory Elect Technician	160
0011AB Mechanic	160
0011AC Electrical Technician	160
0011AD Software Engineer	160

Quantity Purchase Unit: 1Lot  
Not-to-Exceed 640 Hours Total \$ \_\_\_\_\_

**The electronic solicitation posted to SSC-SD ECC reflects this change.**

### 3. Q&A's.

"Reference Section B, page 6, CLIN 0009

1. Should the SubClin following 0009AD be labeled 0009AE as identified on page 8 of Section B?"

Answer: Yes

CLIN 0011 of Section B, page 6, is changed to read:

From:  
**0009**

*Noun:* SDCCS HARDWARE SUPPORT TEST BED  
ASSEMBLY INSTALLATION SUPPORT SERVICES

*Contract type:* Y - TIME AND MATERIALS

*Completion Date:* ASREQ

*Descriptive Data:*

SDCCS Hardware Support Test Bed Assembly installation support services in accordance with the Statement of Work, paragraph 3.10.

<u>SubCLINs</u>	<u>Estimated Hours</u>
0009AA Supervisory Elect Technician	40
0009AB Mechanic	40
0009AC Electrical Technician	40
0009AD Test Engineer	40
0009 Test Technician	40

Quantity Purchase Unit: 1 Lot  
Not-to-Exceed 160 Hours Total \$ \_\_\_\_\_

To:  
**0009**

*Noun:* SDCCS HARDWARE SUPPORT TEST BED  
ASSEMBLY INSTALLATION SUPPORT SERVICES

*Contract type:* Y - TIME AND MATERIALS

*Completion Date:* ASREQ

*Descriptive Data:*

SDCCS Hardware Support Test Bed Assembly installation support services in accordance with the Statement of Work, paragraph 3.10.

<u>SubCLINs</u>	<u>Estimated Hours</u>
0009AA Supervisory Elect Technician	40
0009AB Mechanic	40

0009AC Electrical Technician	40
0009AD Test Engineer	40
0009AE Test Technician	40

Quantity Purchase Unit: 1 Lot  
 Not-to-Exceed 160 Hours Total \$ \_\_\_\_\_

“Reference, Section F, page 16, paragraph F001

2. Section F, page 16, paragraph F001 identified CLIN Numbers 0011-0013 for Option YR1, and 0014-0016 for Option YR2. Should these CLIN numbers read 0011-0012 and 0013-0014 respectively?”

Answer: Yes

Clause F001 of Section F is changed to read:

From:

**F001 OPTION CLIN PERFORMANCE PERIOD(S) (FEB 1998)**

The respective performance period(s) for option(s) identified in Section B is as follows:

CLIN Numbers	Period of Performance
0011-0013	Option YR1 (Years 2005-2006) Twelve Months from Date of Exercise.
0014-0016	Option YR2, (Years 2006-2007) Twelve Months from Date of Exercise.

To:

**F001 OPTION CLIN PERFORMANCE PERIOD(S) (FEB 1998)**

The respective performance period(s) for option(s) identified in Section B is as follows:

CLIN Numbers	Period of Performance
0011-0012	Option YR1 (Years 2005-2006) Twelve Months from Date of Exercise.
0013-0014	Option YR2, (Years 2006-2007) Twelve Months from Date of Exercise.

#### 4. Q&A's.

“Please advise whether compliance statements provided against the technical specification and the statement of work can be provided without forming part of the page limit for Volume III.”

Answer: No deviation from the specifically stated pages of 150 for Volume III.

#### 5. Q&A's.

- Paragraph 3.2.4.6 Security Considerations requires SDCCS subsystems to conform to NSTISSAM TEMPEST/2-95A. NSTISSAM TEMPEST/2-95A paragraph 4.3.b states the 100dB isolation requirement applies to audio signals between 0.3-15kHz, and digital “60dB over the frequency range from one times (Rd) to ten times the basic rate (10Rd) of the digital signals processed.”, but SDCCS performance specification paragraph 3.2.3.16.7 Crosstalk and Isolation require “...greater than 100dB for all frequencies AND any path (assuming the could mean audio or digital path. Please explain the difference between the requirements of paragraph 3.2.3.16.7 and NSTISSAM TEMPEST/2-95A requirements.

**Government Response:** There is no difference between the requirements of paragraph 3.2.3.16.7 and NSTISSAM TEMPEST/2-95A. The crosstalk and Isolation requirement of "greater than 100db..." relates to voice frequency circuits which are analog voice circuits. Paragraph 3.2.3.16.7 is a subparagraph to 3.2.3.16, Voice Frequency Circuits. The requirements of paragraph 3.2.3.16.7 apply to analog voice circuits.

2. If the offeror's equipment has been certified by the US Navy's CTTA, is that considered compliant to all SDCCS requirements for 100dB crosstalk isolation? Please explain.

**Government Response:** No, a Certified TEMPEST Technical Authority (CTTA) must conduct or validate all TEMPEST countermeasures reviews and must be consulted in the initial planning phases for facilities that will process classified information. The fact a review of TEMPEST posture has taken place does not mean that TEMPEST countermeasures will be authorized.

3. Government responses to SDCCS questions appeared to be removed from the website. Does this mean that all responses have been incorporated in the final solicitation? If so, in the responses dated 11 JAN 02, the government answered "YES" to the question "Would a **more centralized approach to system reconfiguration control, monitor, and maintenance support** be acceptable?" The solicitation does not appear to allow ANY deviation or alternatives from the performance specification. What is the government's position on alternative proposals?

**Government Response:** Specification paragraph 3.2.2 spells out the minimum requirements for the system characteristics. If the deviated or alternative approach meets the minimum specification requirements then the alternative approach will be acceptable.

4. The eight mandatory requirements contain 479 "shall" statements. And Mandatory requirement #1, Modes of Operation, contains 79 "shall" statements. While Section M is clear that "NO DEVIATIONS" from these eight requirements is required to PASS, it is not clear on how each of the eight will be evaluated as "Pass" or "Fail" with regard to these 79 "shall" statements. Please explain if the offeror cannot meet 1 of the 79, how will that requirement be graded?

**Government Response:** If the offeror cannot meet 1 of the 79 Modes of Operation "shall" statements, the offer will be excluded from further consideration.

5. We understand the SDCCS will be interfaced to a Monitor and Control System which does the actual remote control of the radio frequencies and COMSEC modes. Since the OIS must display the frequency information, what are the interface specifications for the frequencies and COMSEC status?

**Government Response:** The frequency button assignments are displayed through entries from the database

6. Paragraph 3.2.1.1.1 AUDIO LEVEL CONTROL addresses the need for the operator to be able to discriminate between 12 different simultaneous radio audio channels via individual channel volume control. The performance specification requirement is to allow the operators to discern a difference between selected channels. Is another means of simultaneous channel discrimination acceptable besides separate volume controls?

**Government Response:** No, radio channels are received at different volumes. Therefore the operator has to have the capability to control the volume of received radio audio.

7. Paragraphs 3.2.2.4.1.5.1, 3.2.2.4.1.5.2, 3.2.2.4.1.5.7 SPECIAL FUNCTIONS (SF), requires features that are call services defined by ITU-T or National ISDN-II telephony standards, however no such industry/open system standards are called out or referenced in the Performance Specification. All previous US Navy procurements for both shipboard and shore integrated voice communication installations required these SPECIAL FUNCTIONS to meet the above industry standards because of the significantly lower life cycle costs.

Paragraph 3.2.13 Telephone Operation, 3.2.2.4.1.3 Telephone Direct Access Display, 3.2.2.5.2 Telephone Circuits all contain requirements which appear to be part of various telephony standards, but there is no reference to these standards (other than Navy type).

Paragraph 3.2.3 Technical Performance Characteristics also contain some specifications that appear to come from some telephony standard, but these appear to be only excerpts from the relevant National ISDN-II requirements.

Please provide the relevant national or international references these requirements are based on so the offeror can ensure complete interoperability with both existing and future versions of telephony interfaces and features.

**Government Response:** The above stated requirements were based on CCITT requirements. The CCITT requirements have been superseded by ITU-T requirements. The requirements should be satisfied as stated in the SDCCS requirement performance specification.

## 6. Q&A's.

Reference	Question
Section B, Pg. 2, CLIN0002	<p>The CLIN requires a FFP for all CDRL's. Some of these CDRL items are options (A028, A029, A036, A037, A038, A039, A040). These optional CDRL's should be under a separate CLIN(s) so that the Navy can order them as they are required. Please advise how to handle these costs.</p> <p><b>Government Response:</b> Section B is amended to include additional CLINs to support option items.</p>
Section B, Pg. 7, Option year two services CLINs	<p>The statement is that both FFP and T&amp;M extensions may be exercised. The CLINs offered (CLIN0013 and 0014) are only T&amp;M. Is there a CLIN missing for the FFP items?</p> <p><b>Government Response:</b> No, the CLIN is not missing for the FFP item. Section B, Option Year Two Services CLINs, will be amended to delete the reference to "FIRM FIXED PRICE".</p>
SOW Para. 3.9.4, Pg. 9, Design Drawings	Where should these optional drawings be priced if they are required?

	<b>Government Response:</b> Section B is amended to include additional CLINs to support option items.
--	---

## 7. Q&A's.

1. NSTISSAM TEMPEST/2-95A specifies Crosstalk Isolation of 100 dB between RED/BLACK analog signals in the voice baseband up to 15 kHz, and 60 dB isolation for digital waveforms from 1x to 10x the basic data rate on digital signals. The SDCCS Performance Specification specifies Crosstalk Isolation of 100 dB between signals. Does the SDCCS only refer to the analog red-black signals or is there a conflict between the SDCCS specification and NSTISSAM TEMPEST/2-95A?

**Government Response:** There is no difference between the requirements of paragraph 3.2.3.16.7 and NSTISSAM TEMPEST/2-95A. The crosstalk and Isolation requirement of "greater than 100db..." relates to voice frequency circuits which are analog voice circuits. Paragraph 3.2.3.16.7 is a subparagraph to 3.2.3.16, Voice Frequency Circuits. The requirements of paragraph 3.2.3.16.7 apply to analog voice circuits.

2. Paragraph 3.2.3.16.6. requires the frequency response through the switching system for frequencies between 70-200 Hz to be within -3.0 dB to 0.5dB. This paragraph also requires that signals between 200 Hz and 3200 have a response of -0.5 to +0.5 dB. Commercial off the shelf switching systems typically provide a frequency response between 300-3400 Hz. Historically, analog systems have used active filters to provide this response. Digital switching systems use integrated circuit CODECS that have internal filtering below 300 Hz and above 3400 Hz to minimize noise and prevent aliasing. Will the government accept a COTS system that provides a frequency response (bandpass) for analog signals between 300 and 3400 Hz?

**Government Response:** Deviations are allowed for this requirement.

3. It is unclear what the requirement is for intraswitch crosstalk (i.e, within only the RED switch or within only the BLACK switch). Paragraph 6.6 of NSTISSAM TEMPEST/2-95A requires that "...Multiplexers, video switches, **audio switches** and other multiple circuit equipments associated with **RED unencrypted signal lines...**" provide "...65 dB minimum audio crosstalk isolation at any frequency between 0.3 and 15 kHz...". Paragraph 4.3 of NSTISSAM TEMPEST/2-95A

requires that "...Switches and/or other devices used to interface **between RED and BLACK** circuits/equipment should exhibit the following port-to-port isolation characteristics, as applicable: 100 dB over the baseband audio frequency range between 0.3 and 15 kHz...".

Paragraph 3.1 of the SDCCS Performance specification requires the proposed SDCCS system to provide "...a minimum of 100 dB of isolation between RED and BLACK matrices, devices, or ports...".

Paragraph 3.2.3.16.7 also requires "...Crosstalk power between the red section and the black section of the SDCCS shall be attenuated greater than 100 dB below operating level at all frequencies...". However, Paragraph 3.2.3.16.7 also states "...Crosstalk power between any paths in **either the Red or Black section** of the SDCCS shall be attenuated greater than 100 dB below operating level at all frequencies...".

Is the requirement for intraswitch crosstalk (within only the RED switch for example) 65 dB and the requirement for crosstalk between the RED and BLACK switch matrices 100 dB?

**Government Response:** No, the NSTISSAM TEMPEST requirement for analog is 100db and for digitized voice is 60db of separation.

4. Paragraph 3.2.2.5.2.4 describes the SDCCS ability to connect a CO/PABX circuit to a GAG radio. Is the CO/PABX user also required to transmit to the aircraft? If so, will VOX keying be used for this feature?

**Government Response:** Yes, the CO/PBX user is required to transmit to aircraft. The engineering or method used to satisfy this requirement would be the responsibility of the contractor.

5. Section B of the solicitation requests a firm fixed price (FFP) quotation for Items 0001 and 0008. In order to meet these requirements, we request that an evaluation configuration be specified (number of total operators, and number of radio, crypto and telephone interfaces in the RED and BLACK switches) so that bidders can provide the government a fixed price for the evaluation model of both the SDCCS and the Test Bed.

**Note:** Although paragraph 3.1 specifies a *minimum* of 27 operators (expandable to 40) and paragraph 3.2.2.5 specifies a *minimum* of 150 radios and the numbers and types of telephone interfaces, it is not clear what the priced evaluation configuration model should be. For example, should the system be pre-wired (delivered racks, card carriers, cables, etc.) for expansion up to the maximum of 40 operators or contain only enough hardware to accommodate the 27? If 150 Radios is the minimum what is the maximum and should the priced model be pre-wired for something above the 150?

We can find no quantities specified for the number of KY-58 or KYV-5 crypto interfaces.

**Government Response:** The system as delivered shall provide for a minimum of 27 operator stations. Expansion to 40 stations should not require additional engineering and software modifications. Should expansion to 40 stations be necessary, only that hardware required for this expansion will be added to the system. The contractor should meet at least the minimum radio requirement of 150 radios. The quantities of crypto devices are as follows: 24 ANDVTs and 12 KY-58s.

6. Paragraph L-317 provides the format for volume 1 "contractual" related proposal items. It does not indicate where G015 and 52.219-04 (section I) inputs are to be included. Please state where the inputs should be included.

**Government Response:**

Clause G015: Insert Taxpayer Identification Number in Vol I, Contractual Section.  
FAR 52.219-04: If proposer is a HUBZone small business, he/she may waive. Insert statement in Vol I, Contractual Section.

## 8. Q&A's.

- Attachment 2 of the RFP (the scoring matrix) includes under Critical requirements:
  - 1) Configuration and Reconfiguration Control

Section M page 3 of 9 does not include this factor. Is this factor to be included?

**Government Response:** No, "Configuration and Reconfiguration Control" is not a Critical Requirement. The solicitation is amended to delete "Configuration and Reconfiguration Control" from the Critical Requirements list of Attachment 2. "Configuration and Reconfiguration Control is a sub-requirement of "Secure & Non-secure Switching".

- With reference to paragraph 3.2.2.5.5 of the Performance specification: Does the Government require two separate outputs for recorder channels from each position (i.e., one for BLACK audio and one for RED audio) or one channel per position combining RED and BLACK recorded audio? Is the GFE Multi-Channel recorder in the TEMPEST area? Should the record channels reflect the relative volume adjustments made by the operator for the headset and speakers?

**Government Response:** The Government's requirement is to record each operator station's audio including radio, telephone, and intercom. The recorded audio is considered RED. The GFE Multi-Channel recorder is in a secure area. The record channels should reflect the relative volume adjustments made by the operator.

3. Reference SOW 3.2.2.1.2: Is Unit Level Testing referring to the Factory Acceptance Testing of 3.2.2.1 using the Government approved test plans and test procedures?

**Government Response:** Yes.

### 9. Q&A's.

In reference to Block 6 on the Form DD1707, please advise whether items b. &c. (small business set asides) were intended to apply as they have been checked at 10% each.

**Government Response:** The only block to be checked in Block 6 is "a."

### 10. Q&A's.

1. Please clarify what constitutes an operator position. The drawing with the radar screen shows 2 locations for touchscreens. Is each touchscreen an operator position, or are both touchscreens one operator position? If the latter, then is one touchscreen for red communications and the second for black communications? Are the admin positions all red/black positions?

**Government Response:** Paragraph 3.2.2.4 of the SDCCS Performance Specification states what constitutes an Operator Station. One radar console is an operator station.

There is no requirement that specifies one touchscreen for red and one touchscreen for black. Red/Black console design will be the responsibility of the contractor. The contractor should refer to paragraph 3.2.2.4 and it's subparagraphs of the SDCCS Performance Specification for the requirements regarding administrative/maintenance stations.

2. Are the mounting dimensions for the Type I Operator Station 8" high, 10.38" wide, and 24+5.5" deep?

**Government Response:** See the MTRACS Display Console, Assembly Drawing located on the SPAWAR website.

3. What is the mounting method for the Type I Operator Station?

**Government Response:** There is no specified mounting method for the Type I Operator Station. The mounting method for the Type I Operator Station is the responsibility of the contractor. The mounting method will be determined during the site survey and will be included as part of the contractor's installation design as stated in Paragraph 3.10 of the Statement of Work.

4. What is the vertical height and depth for the Type II 19 inch rack mounted Operator Station?

**Government Response:** See the Type II 19 inch rack drawing located on the SPAWAR website.

5. Section 4.2.4.1.1.6 EMI EMISSION, SUSCEPTIBILITY, AND SYSTEM SELF COMPATIBILITY specifies that all newly designed equipment must be tested for compliance to MIL-STD-461E. Does this mean that existing equipment is excluded from this requirement? Furthermore, is it the government's intention to

perform EMC testing at the final installation? Wouldn't this require an anechoic chamber?

**Government Response:** Paragraph 3.3.2, states the EMC requirements for the proposed system, as identified in MIL-STD-461E. For existing equipment all results of tests performed to demonstrate compliance with the requirements are to be documented in the EMITR to be submitted to SSC,SD then forwarded to the command or agency concerned for evaluation prior to acceptance of the equipment or subsystem.

The Government will perform EMC testing of the final installation only if necessary

6. Will there be separate secure and non-secure voice recorders?

**Government Response:** No, there will not be separate secure and non-secure voice recorders.

7. Is it the intention to have the operator positions control the radios, i.e., select wideband/narrowband, secure/non-secure, etc. by actually controlling the radio? Also, please specify how the control is to be performed remotely, i.e., what interfaces (protocol, medium,...) are available for remote operation. These functions can be performed by assigning multiple line keys to specific radios that are configured for the desired operational mode.

**Government Response:** No, the SDCCS system will not actually control the radios.

8. Are the Speaker Control Modules GFE? If so, do they have amplifiers, chime controls, and volume controls? If not, what are the dimensions for the Type I and Type II loudspeakers?

**Government Response:** No, the Speaker Control Modules are not GFE. The dimensions for the Type II loudspeakers are the responsibility of the contractor. The Government will provide the Type II cabinets, the drawings for the Type II cabinets are located on the SPAWAR website. The part number for the Type I loudspeaker panel assembly is G491109-1.

9. Are the 4 Maintenance and Administration positions discussed included in the 27 operator positions?

**Government Response:** Yes.

10. In Section 3.2.2.1 it is stated that a failure cannot cause the loss of more than 1% of external equipment? Is this feasible given that one cost-effective architecture is T1 based? Would the government consider allowing the loss of up to four operator stations due a single failure? This is a very cost-effective alternative.

**Government Response:** No.

11. Are footswitches GFE? The Operator Station Position drawing shows a footswitch attached to the console.

**Government Response:** No.

12. Is it the vendor's responsibility to supply all tempest equipment, including cabinets, feedthroughs, etc?

**Government Response:** Yes.

13. Will the facility provide separate power feeds for secure and non-secure equipment?

**Government Response:** Yes.

14. What is the quantity of secure radios to be used? Non-secure radios?

**Government Response:** At any moment, a particular radio will be operating either in the encrypted or clear mode as selected by the operator at the operator station. The system shall provide a minimum of 150 channels/ports for interfacing radios.

15. What is the quantity of secure phone connections? Non-secure phone connections?

**Government Response:** There are no secure phone connections. The system shall provide a minimum of 60 channels/ports for interfacing telephones.

16. How many recorder ports are secure? How many are non-secure? Does non-locking mode mean a momentary key depression, i.e. inactive when released?

**Government Response:** Only the recorded audio is considered red. None-locking mode means to press each time the operator wishes to perform the function.

17. What is the quantity of headsets desired? What is the quantity of handsets desired?

**Government Response:** The proposed SDCCS shall include headsets and handsets for each station that provides the audio interface between an operator and the jackbox module.

18. Must the jack boxes be external to the operator station hardware? If so, what is the required cable length?

**Government Response:** There is no specification requirement for the jackboxes to be external to the operator station hardware.

19. What is the quantity of 4 wire circuits for the loop conference network?

**Government Response:** The quantity of 4 wire circuits for the loop conference network is seven.

20. What are the end instruments specified in Section 3.2.2.5.3 NETWORKING MULTIPLEXER/

**Government Response:** The end instruments are the AN/GRR-24 UHF receivers, AN/GRT-22 UHF transmitter, AN/GRC-171 (V)5 UHF transceiver, AN/VRC-90 VHF FM transceiver, AN/GRC-211 AM transceiver, AN/FRT-96, URC-200, URT 42, RF 590, and RF 1130.

21. Is 120VAC readily available from the 208VAC 3 phase input power?

**Government Response:** Yes.

22. Please specify all cable lengths between the central switches and the operator stations, radios, telephone equipment, voice recorders,...(Same as question 14?)

**Government Response:** Cable lengths will be determined during the site surveys after contract award as stated in paragraph 3.10 of the Statement of Work

23. Where is Table II, which is referred to in section 3.2.4.6.6 (i)?

**Government Response:** Table II, which is referred to in section 3.2.4.6.6 (i) should read "Table A-2". Table A-2 is located on page 16 of the SDCCS Performance Specification.

24. Section 3.2.4.6.6 (c) says "all database and control options for the operator stations shall be controlled from the Secure SDCCS database". Is it not desirable to control the black communications from a black, non-secure database so that the functions are completely separate?

**Government Response:** Yes.

## 11. Q&A's.

1. Reference DFAR 252.209-7003 COMPLIANCE WITH VETERANS' EMPLOYMENT REPORTING REQUIREMENTS (MAR 1998) is included in the solicitation "by reference." However, when I access this clause at the DFAR website, it indicates that it is "reserved." Should this clause be excluded from response by offerors?

**Government Response:** Yes, DFAR 252.209-7003 is excluded.

2. Reference L-317 SUBMISSION OF PROPOSALS 4.0 Content, Section B - Organizational Experience (3). The requirement described in this subsection of the solicitation states that a "narrative summary, not to exceed two pages, describing experience under each reference/contract" for specific SOW sections. Is it correct that the two page limit applies to each of five (5) client references requested?

**Government Response:** That is correct.

3. Reference L-317 SUBMISSION OF PROPOSALS 1.0 Proposals submitted shall be prepared and submitted as follows. It is noted that the page limitation for Volume III is 150 single-sided pages inclusive of attachments. Does the Government include the pages associated with completed Attachment 5 "Past Performance Questionnaires" prepared and submitted directly by clients within the page allocation to the Technical Proposal?

**Government Response:** No.

## ADMINISTRATIVE CHANGES

### 1. RFP SECTION L

Clause L-349 SUBMISSION OF ELECTRONIC PROPOSALS (VARIATION) (APR 2001)  
Its paragraph (b) is changed to read:

From:

(b) In addition to the requirement in paragraph (a) above, Offerors shall submit an electronic copy of the cost proposal on a 3.5 inch, double-sided, high density, functional (i.e., with formulas-not read only) computer diskette in Microsoft Excel 5.0 (or later) compatible format. A hard copy directory of the Excel files shall be provided with a correlation to appropriate hard copy cost tables. ~~MS Excel~~ versions of responses to RFP attachments 2 and 5 shall also be provided. Submit the diskettes and directory directly to the contract negotiator, Code 2211 at the address on Block 7 of the SF 33.

To:

(b) In addition to the requirement in paragraph (a) above, Offerors shall submit an electronic copy of the cost proposal on a 3.5 inch, double-sided, high density, functional (i.e., with formulas-not read only) computer diskette in Microsoft Excel 5.0 (or later) compatible format. A hard copy directory of the Excel files shall be provided with a correlation to appropriate hard copy cost tables. ~~MS Excel~~ versions of responses to RFP attachments 2 and 5 shall also be provided. Submit the diskettes and directory directly to the contract negotiator, Code 2211 at the address on Block 7 of the SF 33.

## 2. Section B, Supplies or Services and Price/Costs, page 7

Introduction of Option Year Two Services CLINS' verbiage is changed to read:

From:

### OPTION YEAR TWO SERVICES CLINS

The Government shall have the option to purchase the following CLINs in accordance with FAR 52.217-9 "Option to Extend the Term of the Contract" on a FIRM FIXED PRICE and TIME & MATERIALS basis:

To:

### OPTION YEAR TWO SERVICES CLINS

The Government shall have the option to purchase the following CLINs in accordance with FAR 52.217-9 "Option to Extend the Term of the Contract" on a TIME & MATERIALS basis:

## 3. RFP'S SUBMISSION DUE DATE

The due date of this RFP 02-5017 is changed from 6/14/2002 to 6/28/2002 and at 3:00 p.m. Pacific.

## 4. THE SOLICITATION'S SECTION B

Provide pricing to the following CDRL Items:

0002AA (CDRL Item A028)

1

LO

*Noun:* DEVELOPMENT DESIGN DRAWINGS AND ASSOCIATED LIST

*NSN:* N - Not Applicable

*DD1423 is Exhibit:* A

*Contract type:* J - FIRM FIXED PRICE

*Inspection:* DESTINATION

*Acceptance:* DESTINATION

*FOB:* DESTINATION

*Descriptive Data:*

Data Deliverables shall be in accordance with the Statement of Work Dated 29 Jan 2002 and Contract Data Requirement List (DD Form 1423), Exhibit A hereto.

Estimated Quantity: 1 Lot Total \$ \_\_\_\_\_

0002AB (CDRL Item A029)

1

LO

*Noun:* PRODUCT DRAWINGS AND ASSOCIATED LISTS

*NSN:* N - Not Applicable  
*DD1423 is Exhibit:* A  
*Contract type:* J - FIRM FIXED PRICE  
*Inspection:* DESTINATION  
*Acceptance:* DESTINATION  
*FOB:* DESTINATION

*Descriptive Data:*

Data Deliverables shall be in accordance with the Statement of Work Dated 29 Jan 2002 and Contract Data Requirement List (DD Form 1423), Exhibit A hereto.

Estimated Quantity: 1 Lot Total \$ \_\_\_\_\_

**0002AC (CDRL Item A036)**

1  
LO

*Noun:* SOFTWARE TRANSITION PLAN  
*NSN:* N - Not Applicable  
*DD1423 is Exhibit:* A  
*Contract type:* J - FIRM FIXED PRICE  
*Inspection:* DESTINATION  
*Acceptance:* DESTINATION  
*FOB:* DESTINATION

*Descriptive Data:*

Data Deliverables shall be in accordance with the Statement of Work Dated 29 Jan 2002 and Contract Data Requirement List (DD Form 1423), Exhibit A hereto.

Estimated Quantity: 1 Lot Total \$ \_\_\_\_\_

**0002AD (CDRL Item A037)**

1  
LO

*Noun:* SOFTWARE VERSION DESCRIPTION (SVD)  
*NSN:* N - Not Applicable  
*DD1423 is Exhibit:* A  
*Contract type:* J - FIRM FIXED PRICE  
*Inspection:* DESTINATION  
*Acceptance:* DESTINATION  
*FOB:* DESTINATION

*Descriptive Data:*

Data Deliverables shall be in accordance with the Statement of Work Dated 29 Jan 2002 and Contract Data Requirement List (DD Form 1423), Exhibit A hereto.

Estimated Quantity: 1 Lot Total \$ \_\_\_\_\_

**0002AE (CDRL Item A038)**

1  
LO

*Noun:* TRAINING PROGRAM DEVELOPMENT AND  
MANAGEMENT PLAN  
*NSN:* N - Not Applicable  
*DD1423 is Exhibit:* A  
*Contract type:* J - FIRM FIXED PRICE  
*Inspection:* DESTINATION  
*Acceptance:* DESTINATION

*FOB:* DESTINATION

*Descriptive Data:*

Data Deliverables shall be in accordance with the Statement of Work Dated 29 Jan 2002 and Contract Data Requirement List (DD Form 1423), Exhibit A hereto.

Estimated Quantity: 1 Lot Total \$ \_\_\_\_\_

**0002AF (CDRL Item A039)**

1  
LO

*Noun:* TRAINING MATERIALS

*NSN:* N - Not Applicable

*DD1423 is Exhibit:* A

*Contract type:* J - FIRM FIXED PRICE

*Inspection:* DESTINATION

*Acceptance:* DESTINATION

*FOB:* DESTINATION

*Descriptive Data:*

Data Deliverables shall be in accordance with the Statement of Work Dated 29 Jan 2002 and Contract Data Requirement List (DD Form 1423), Exhibit A hereto.

Estimated Quantity: 1 Lot Total \$ \_\_\_\_\_

**0002AG (CDRL Item A040)**

1  
LO

*Noun:* OPERATING PROCEDURES MANUAL

*NSN:* N - Not Applicable

*DD1423 is Exhibit:* A

*Contract type:* J - FIRM FIXED PRICE

*Inspection:* DESTINATION

*Acceptance:* DESTINATION

*FOB:* DESTINATION

*Descriptive Data:*

Data Deliverables shall be in accordance with the Statement of Work Dated 29 Jan 2002 and Contract Data Requirement List (DD Form 1423), Exhibit A hereto.

Estimated Quantity: 1 Lot Total \$ \_\_\_\_\_

**0002AH (CDRL Item A045)**

1  
LO

*Noun:* PLANNED MAINTENANCE SYSTEM (PMS)  
MAINTENANCE INDEX PAGE

*NSN:* N - Not Applicable

*DD1423 is Exhibit:* A

*Contract type:* J - FIRM FIXED PRICE

*Inspection:* DESTINATION

*Acceptance:* DESTINATION

*FOB:* DESTINATION

*Descriptive Data:*

Data Deliverables shall be in accordance with the Statement of Work Dated 29 Jan 2002 and Contract Data Requirement List (DD Form 1423), Exhibit A hereto.

Estimated Quantity: 1 Lot Total \$ \_\_\_\_\_

**0002AI (CDRL Item A046)**1  
LO

*Noun:* PLANNED MAINTENANCE SYSTEM (PMS)  
MAINTENANCE REQUIREMENT CARDS

*NSN:* N - Not Applicable

*DD1423 is Exhibit:* A

*Contract type:* J - FIRM FIXED PRICE

*Inspection:* DESTINATION

*Acceptance:* DESTINATION

*FOB:* DESTINATION

*Descriptive Data:*

Data Deliverables shall be in accordance with the Statement of Work Dated 29 Jan 2002 and Contract Data Requirement List (DD Form 1423), Exhibit A hereto.

Estimated Quantity: 1 Lot Total \$\_\_\_\_\_

**0002AJ (CDRL Item A047)**1  
LO

*Noun:* COMMERCIAL OFF-THE-SHELF (COTS)  
MANUAL AND ASSOCIATED SUPPLEMENTAL  
DATA,

*NSN:* N - Not Applicable

*DD1423 is Exhibit:* A

*Contract type:* J - FIRM FIXED PRICE

*Inspection:* DESTINATION

*Acceptance:* DESTINATION

*FOB:* DESTINATION

*Descriptive Data:*

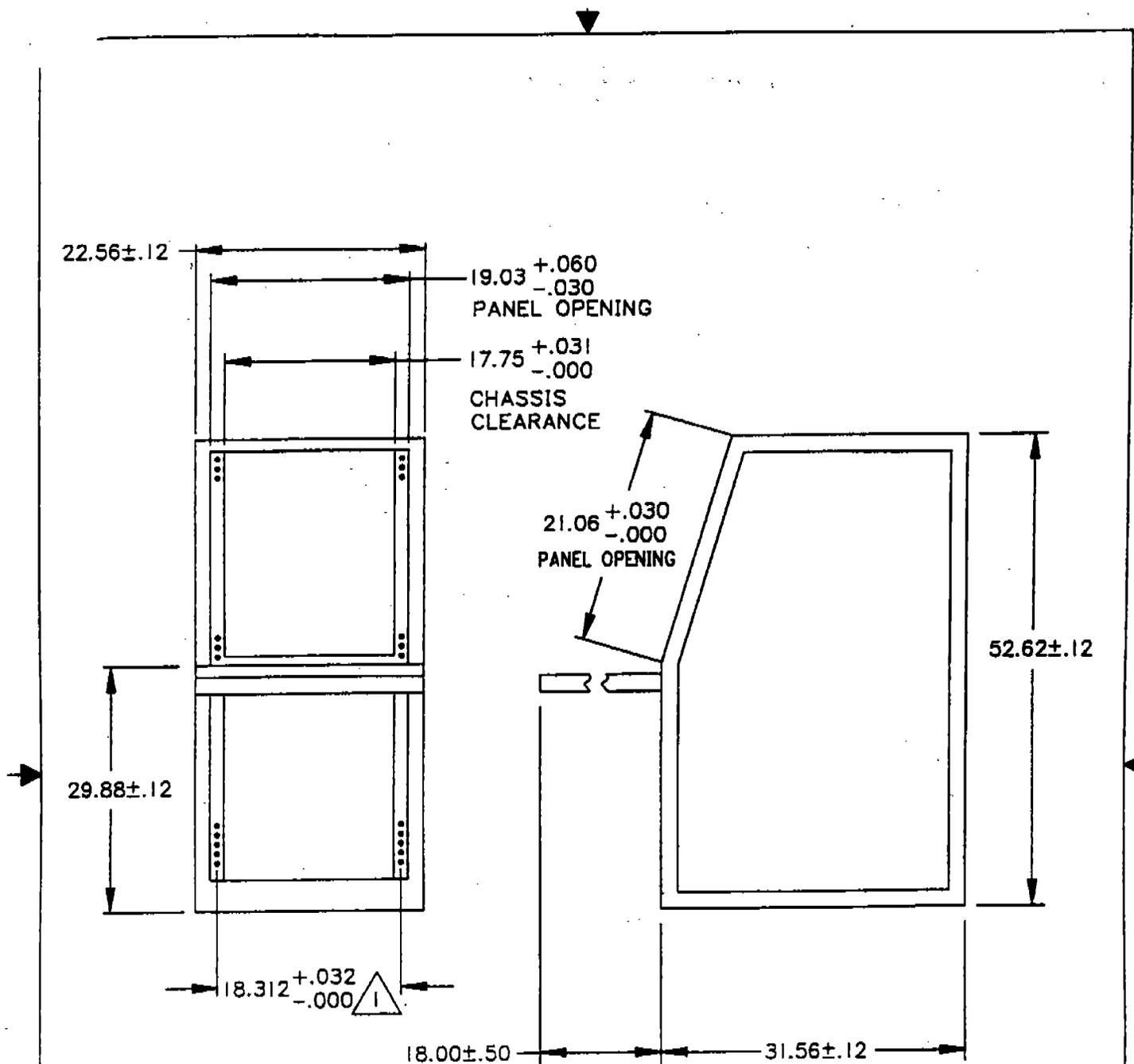
Data Deliverables shall be in accordance with the Statement of Work Dated 29 Jan 2002 and Contract Data Requirement List (DD Form 1423), Exhibit A hereto.

Estimated Quantity: 1 Lot Total \$\_\_\_\_\_

**5. RFP Attachment 2, Technical Merit Scoring Sheet**

Attachment 2, Technical Merit Scoring Sheet (Rev. 1) is attached herein. Corrections were made to the Critical Requirements and General Requirements sections.

-End



NOTES:

 UNIVERSAL HOLE SPACING PER EIA RS-310-C.

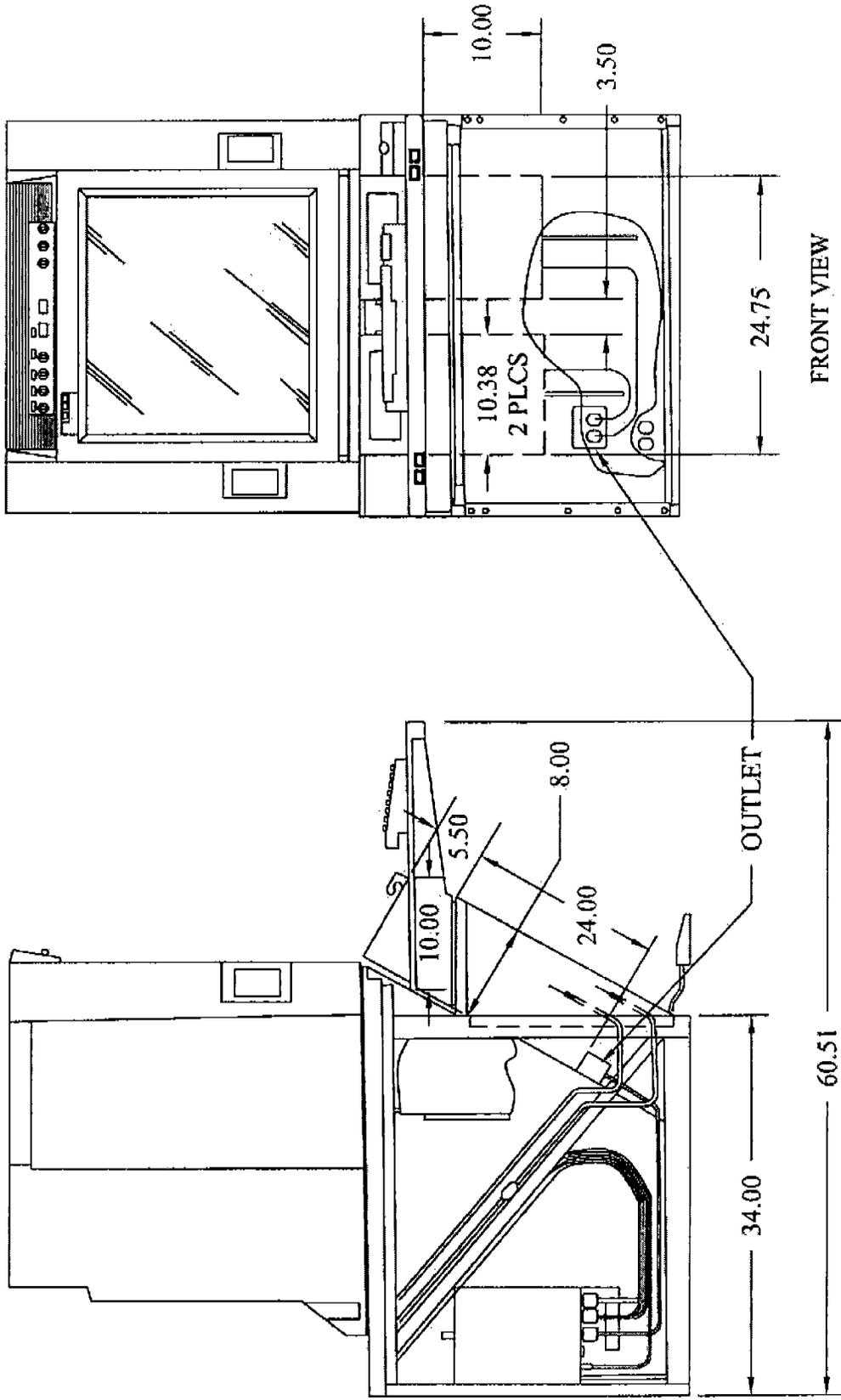
FIGURE 1. Slope front enclosure console.

SIZE	CAGE CODE	DWG NO.	REV
A	33875	91-10826	
SCALE NONE		SHEET	3

(9110826A)

NOTES:

1. ALL DIMENSIONS ARE IN INCHES,  $\pm 1/8"$ .



SIDE VIEW

FRONT VIEW

MTRACS DISPLAY CONSOLE,  
ASSEMBLY DRAWING

## Attachment 2 Technical Merit Scoring Sheets (Rev. 1)

Each offeror's proposal will be evaluated on how well the offeror's proposed technical solution will meet the technical requirements of the specification. Technical merit will comprise of the following types of requirements, listed in descending order of importance;

1. Mandatory Requirements
2. Critical Requirements
3. General Requirements

Scoring Procedure: Each requirement will be judged against the criteria listed in this source selection plan and the solicitation. Reviewers will generate a score for each of the three types of requirements, of this section, for each offeror. The individual requirement scores will be considered and a final reviewer score assigned for the section.

Scoring Criteria: Use the following criteria, supported by a narrative explanation, to score each proposal.

### MANDATORY REQUIREMENT

Fail	The offeror's proposal is deficient in meeting the requirement type and this will be grounds for the offeror's proposal to not be further evaluated.
Pass	The offeror has breadth of relevant compliance in the evaluated requirement type.

### CRITICAL & GENERAL REQUIREMENTS

Poor	The offeror's proposal is deficient in meeting the requirements and may be sufficient grounds for the offeror to be declared "non responsive".
Fair	The offeror has breadth of relevant compliance in one of the two evaluated requirement types.
Good	The offeror has breadth of relevant compliance in each of the two evaluated requirement types, but lacks depth in at least one of the areas.
Excellent	The offeror has breadth and depth of relevant compliance in each of the two evaluated requirement types.

Fill in the Reference Page block, of assigning page numbers of your technical proposal in which of the Mandatory, Critical and General Requirements' components are being addressed.

### Mandatory Requirements

Requirement	Reference page	Pass	Fail*
Modes of Operation			
System Redundancy			
System (SDCCS) database			
Secure & Non-secure Switching			
Operator Stations			
Interface with/to external devices			
BITE & Maintenance			
Crosstalk Isolation			

\* The offeror's proposal may no longer be considered for further evaluation.

### Critical Requirements

Requirement	Reference Page
Operator Interactive Screen	
System Start-Up Time	
Reconfiguration Time	
Push-To-Talk Switching Time	
Intercom DA and IA Call Time Interval (non-override)	
Intercom DA and IA Call Time Interval (override)	
Telephone Call Time Interval	
Line busy Tone	
Reorder	
Audible Ring Tone	

Requirement	Reference Page
Call Hold	
Call Transfer	
Call Forward	
Conference Calls	
Call and Feature Deselection Time	
Voice Frequency Circuit Characteristics	
Security considerations	
Operator Station Placement	
KYV-5/KY-58 Operations	
Audio Interface Equipment	
Radio Transmit function	

### General Requirements

Requirement	Reference page
Lockout-On-Key	
Channel Sharing	
Radio Muting	
Monitor Function	
Special Functions	
System Controlled Features	
Instructor Mode	
System Power Requirements	
Physical Characteristics	
Computer Firmware/software Requirements	
Magnetic storage	

Requirement	Reference page
devices and printers	
System Quality Factors	
Environmental Conditions	
Part, Materials and Processes	
Electromagnetic Radiation	
Interchangeability	
Safety	
Human Engineering	
System Security	
Computer Resources	
Quality Control System	

**Comments:**