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# Section B - Supplies or Services and Prices

ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT 0013 1 Each \$20,948.00 \$20,948.00

Verizon on Ft Drum Engineering

FFP

Electromagnetic Spectrum Engineering/E3 Analysis and support as specified in the Performance Work Statement (T3804). The contractor's proposal titled "Verizon Wireless on Fort Drum" with E3 Analysis Support" dated 24 November 2014 is incorporated by reference.

FOB: Destination

PURCHASE REQUEST NUMBER: DOSMC50106

NET AMT \$20,948.00

ACRN AA CIN: DOSMC501060013 \$20,948.00

#### Section C - Descriptions and Specifications

<u>PWS</u>

## PERFORMANCE WORK STATEMENT (PWS) SPONSOR PROGRAM as of 13/Nov/2014

Contract Number:	HC1047-07-	D-0001
JSC Tracking Number:	T3804	
Task Order Number:	0986	
	Cost Plus Incentive Fee	(Check one box)
Type of Task Order	Firm Fixed Price	(Double click on a box to check it.)
Key Words	Verizon Wireless, Fort Drum,	E3 Analysis, RADHAZ, AWS, LTE, MSP
	SPONS	OR
	Verizon W	ireless
	175 Calki	ns Rd
	Rochester N	Y 14623

- 1. Contracting Officer's Representative (COR).
- a. Primary COR.

Name:	R
Organization:	Joint Spectrum Center (JSC)/OS351
Department of Defense Activity Address Code (DODAAC):	Н98294
Address:	2004 Turbot Landing Annapolis, MD 21012-5064
Phone Number:	Bk .
Fax Number:	(410) 293-9268
E-Mail Address:	<i>E</i> 6

#### b. Alternate COR.

Name:	TBD
Organization:	JSC/OS351
DODAAC:	H98294
Address:	2004 Turbot Landing Annapolis, MD 21012-5064
Phone Number:	
Fax Number:	(410) 293-9268
E-Mail Address:	

- 2. Task Order (TO) Title. Verizon Wireless on Fort Drum E3 Analysis Support
- 3. <u>Background</u>. The Telecommunications Act of 1996 directed the heads of all Federal Government departments and agencies to facilitate access by mobile service providers (MSPs) to Federal property for the purpose of siting equipment and mobile service antennas (MSAs). In response, the Department of Defense (DoD) Chief Information Officer (CIO) [formerly the Assistant Secretary of Defense for Command, Control, Communications, and

Intelligence (ASD C31)] issued a policy memorandum regarding placement of commercial antennas on DoD property. 1

The DoD CIO policy memorandum requires that Commanders and/or Agency Directors coordinate requests for the placement of new telecommunications services on Federal property with the DoD Joint Spectrum Center (JSC), and that the JSC evaluate the proposed antenna siting/telecommunication service for potential electromagnetic interference to the existing or planned telecommunications operations of the affected government facility. The memorandum further states that the requestor will reimburse the JSC for the cost of the evaluation.

Verizon Wireless, hereafter referred to as the purchaser, has requested permission to install and operate an Advanced Wireless Services (AWS) system and a Long Term Evolution (LTE) system on Fort Drum, NY.

- 4. Objectives. The objectives of this effort are to:
  - Determine the potential for electromagnetic interference (EMI) from the proposed system transmitters to
    existing and planned military, government, and commercial communications-electronics (C-E) systems.
  - Determine the potential for electromagnetic radiation hazards (RADHAZ) from the proposed system transmitters to personnel, fuel, and ordnance with electrically initiated devices (EIDs).
- 5. <u>Scope</u>. This PWS addresses tasking to be performed by the Electromagnetic Spectrum Engineering Services (ESES) contractor in the area of:

Electromagnetic Environmental Effects (E3) and Spectrum Engineering – coordinating electromagnetic compatibility (EMC) standards; analyzing equipment and systems for potential E3 problems and recommending solutions; performing radio frequency (RF) measurements; developing and conducting E3 training; assisting the acquisition community by assessing E3; determining operational frequency bands; and providing assistance in acquiring host nation approval for equipment operation.

6. <u>Performance Requirements</u>. The contractor shall provide an electromagnetic environmental effects (E3) and RADHAZ analysis of the proposed installation. The results of the analysis will be documented in a memorandum followed by a Consulting Report (CR).

6.1 Task 1 - E3 Analysis.

Preliminary information from the sponsor will be used to conduct a search of military, government, and commercial frequency assignment databases to identify systems operating on government facilities in the vicinity of the site of interest. The electromagnetic environment (EME) will be compiled from the Frequency Resource Record System (FRRS), the Government Master File (GMF), and the Federal Communications Commission (FCC) frequency assignment databases at the JSC. For the analysis of linear EMI effects, the EME will include FRRS and GMF assignments for systems within 75 miles of the proposed site in co-channel or adjacent-channel frequency bands (within ±10 MHz of the AWS and LTE base station transmit frequency bands) and assignments for systems within 30 miles, operating in second and third harmonically related frequency bands. FCC assignments for systems within 10 miles operating in co channel, adjacent-channel, or second and third harmonically related frequency bands, will also be identified. The 75 mile radius will be used to include C-E equipment at other DoD and government facilities that could possibly receive signals from the proposed commercial transmitters.

For the analysis of non-linear EMI effects (intermodulation), the cosite EME will include FRRS, GMF, and FCC frequency assignments between 300 MHz and 30 GHz for systems within a two mile radius of the proposed site. The two mile radius is a conservative boundary for the analysis of non-linear EMI effects.

A site survey will not be required. Coordination will be conducted with the purchaser, US Government Spectrum Management, and Base Safety personnel at the proposed site. Proposed system information will be verified with the

<sup>&</sup>lt;sup>1</sup> Anthony M. Valletta, DoD CIO (formerly OASD (C3I)) Memorandum to Secretaries of the Military Departments, et al., Subject: *Placement of Commercial Telecommunications Services on Federal Property*, Washington, DC: DoD CIO (formerly ASD (C3I)), 15 December 1997.

sponsor. Environmental frequency assignment data will be reviewed and validated with the installation spectrum manager. Any data for frequency assignments not listed in the FRRS, GMF, or FCC databases will be used to augment the project EME.

The augmented frequency assignment data, along with the system characteristics of the introduced commercial telecommunications equipment, will be used to perform the EMI analysis. EMI analysis techniques will be used to determine the potential for inband, adjacent band, harmonically related, and intermodulation interference. These techniques are designed to eliminate from further consideration those systems for which interference is not predicted using conservative analysis parameters.

For systems not eliminated in the conservative analysis, the Electromagnetic Spectrum Engineering Services (ESES) Contractor will conduct additional, more-detailed, analyses using additional JSC environmental analysis techniques. These techniques predict the effective on-tune received power levels considering the effects of transmitter power levels, harmonic levels, additional filtering provided by duplexers, etc., in the transmit path, transmitter antenna gain (in the direction of the victim receiver), receiver antenna gain (in the direction of the interfering transmitter), and receiver signal-filtering loss (frequency-dependent rejection).

The interference thresholds used in the EMI analysis will be based on interference-to-noise ratios (I/N) required for compatible operation as dictated by the specific modulation types involved in the interference interactions.

Deliverables: Results Memorandum followed by a CR

6.2 Task 2 - RADHAZ Analysis.

Upon verification of the characteristics data of the proposed commercial telecommunications system, an analysis will be performed using applicable DoD thresholds to determine distance separation requirements to avoid the potential for RADHAZ to personnel, fuel, and ordnance using EIDs.

Deliverables: To be delivered in the Task 1 Results Memorandum and CR

- 7. Performance Standards. Not Applicable.
- 8. Incentives. Not Applicable.
- 9. <u>Place of Performance</u>. The primary efforts associated with this TO PWS shall be performed at the government and the ESES Contractor facility. A site survey will not be performed as described in item 6.1.

Alternate Place of Performance - Contingency Only. As determined by the COR, contractor employees may be required to work at an alternate place of performance (e.g., home, the contractor's facility, or another approved activity within the local travel area) in cases of unforeseen conditions or contingencies (e.g., pandemic conditions, exercises, government closure due to inclement weather, etc.). Non-emergency/non-essential contractors should not report to a closed government facility. Contractor shall prepare all deliverables and other contract documentation utilizing contractor resources. To the extent possible, the contractor shall use best efforts to provide the same level of support as stated in the PWS. In the event the services are impacted, reduced, compromised, etc., the Contracting Officer or the contractor may request an equitable adjustment pursuant to the Changes clause of the contract.

- 10. Period of Performance. 240 calendar days after contract award.
- 11. Delivery Schedule.

Schedule of Deliverables						
Title	Schedule of Deliverables					

Results Memorandum	8 Weeks after TO Award
Consulting Reports	4 weeks after the Results Memorandum is distributed

- 12. <u>Security</u>. Work performed under this TO will include the following classifications of work: UNCLASSIFIED, PROPRIETORY, FOR OFFICIAL USE ONLY, CONFIDENTIAL, and SECRET. A SECRET clearance will be required to perform daily duties. Periodic meetings will be held where individuals are often required to share data and gather information in a classified environment. Individuals must be able to obtain and maintain a SECRET Clearance.
- 13. <u>Government-Furnished Equipment (GFE)/Government-Furnished Information (GFI)</u>. Historical project files and reports will be provided. Site and system characteristics information for the installation proposed by the purchaser will be provided.
- 14. Other Pertinent Information or Special Considerations.
  - a. Identification of Possible Follow-on Work. Not applicable.
- b. <u>Identification of Potential Conflicts of Interest (COI)</u>. The ESES contractor shall identify any possible organizational conflict of interest (OCI) as defined in Subpart 9.5 of the Federal Acquisition Regulation. If there is an OCI, the ESES contractor must inform the COR and provide an OCI Mitigation Plan that identifies how the OCI is to be mitigated.
  - c. Identification of Non-Disclosure Requirements. Not applicable.
  - d. Packaging, Packing and Shipping Instructions. Not Applicable, provided in the base contract.
  - e. Inspection and Acceptance Criteria. Not Applicable, provided in the base contract.
  - f. Property Accountability. Not applicable.
- 15. Section 508 Accessibility Standards. Not applicable.
- 16. External Support. None.
- 17. Pricing Information. Information is obtained from Price List for MSP Support.

Section E - Inspection and Acceptance

# INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

C'LIN 0013 INSPECT AT Destination

INSPECT BY Government ACCEPT AT Destination

ACCEPT BY Government

#### Section F - Deliveries or Performance

# **DELIVERY INFORMATION**

CLIN DELIVERY DATE QUANTITY SHIP TO ADDRESS UIC

0013 POP 11-MAY-2015 TO N/A DISA JOINT SPECTRUM CENTER H98294 10-JAN-2016 & & &

2104 TURBOT LANDING ANNAPOLIS MD 21402-5064

KG FOB: Destination Section G - Contract Administration Data

# ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930.5F20 000 C1013 0 068142 2F 257020 DOSMC50106 AMOUNT: \$20,948.00 CIN DOSMC501060013: \$20,948.00

#### Section I - Contract Clauses

#### CLAUSES INCORPORATED BY FULL TEXT

52.204-9000 Points of Contact (AUG 2005)

Contracting Officer

Name: : B6

Organization/Office Symbol: PL63

Phone No.: 66

86

Contract Specialist

Name: 86

Organization/Office Symbol: PL63

Phone No.: 6

E-Mail Address:

Customer/COR/TM Point of Contact

Name: 86

Organization/Office Symbol: DSO/JSC/OS351

Phone No.:

86

E-Mail Address:

56

Contractor Point of Contact Contractor Legal Business Name:

DUNS: 0833655498 CAGE CODE: 9M715

Contractor POC: Anne Hasselbrack

E-Mail Address: anne.hasselbrack@exelis.com

Phone Number: 301-867-2956

OR

Michael Hayes 301-867-2956

Michael.hayes(a exelis.com

(End of clause)

# 252.232-7006 WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS (MAY 2013)

(a) Definitions. As used in this clause--

Department of Defense Activity Address Code (DoDAAC) is a six position code that uniquely identifies a unit, activity, or organization.

Document type means the type of payment request or receiving report available for creation in Wide Area WorkFlow (WAWF).

Local processing office (LPO) is the office responsible for payment certification when payment certification is done external to the entitlement system.

- (b) Electronic invoicing. The WAWF system is the method to electronically process vendor payment requests and receiving reports, as authorized by DFARS 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports.
- (c) WAWF access. To access WAWF, the Contractor shall--
- (1) Have a designated electronic business point of contact in the System for Award Management at https://www.acquisition.gov; and
- (2) Be registered to use WAWF at https://wawf.eb.mil/ following the step-by-step procedures for self-registration available at this Web site.
- (d) WAWF training. The Contractor should follow the training instructions of the WAWF Web-Based Training Course and use the Practice Training Site before submitting payment requests through WAWF. Both can be accessed by selecting the "Web Based Training" link on the WAWF home page at https://wawf.eb.mil/.
- (e) WAWF methods of document submission. Document submissions may be via Web entry, Electronic Data Interchange, or File Transfer Protocol.
- (f) WAWF payment instructions. The Contractor must use the following information when submitting payment requests and receiving reports in WAWF for this contract/order:
- (1) Document type. The Contractor shall use the following document type(s).

#### Combo

(2) Inspection/acceptance location. The Contractor shall select the following inspection/acceptance location(s) in WAWF, as specified by the contracting officer.

### Destination

(3) Document routing. The Contractor shall use the information in the Routing Data Table below only to fill in applicable fields in WAWF when creating payment requests and receiving reports in the system.

#### Routing Data Table\*

Field Name in WAWF	Data to be entered in WAWF
Pay Official DoDAAC Issue By DoDAAC Admin DoDAAC Inspect By DoDAAC Ship To Code	HQ0131 HC1047 HC1047 H98294 N/A

Ship From Code	N/A	
Mark For Code	N/A	
Service Approver (DoDAAC)	H98294	
Service Acceptor (DoDAAC)	H98294	
Accept at Other DoDAAC	N/A	
LPO DoDAAC	N/A	
DCAA Auditor DoDAAC	HAA031	
Other DoDAAC(s)	N/A	

- (4) Payment request and supporting documentation. The Contractor shall ensure a payment request includes appropriate contract line item and subline item descriptions of the work performed or supplies delivered, unit price/cost per unit, fee (if applicable), and all relevant back-up documentation, as defined in DFARS Appendix F, (e.g. timesheets) in support of each payment request.
- (5) WAWF email notifications. The Contractor shall enter the email address identified below in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system.

86

(g) WAWF point of contact. (1) The Contractor may obtain clarification regarding invoicing in WAWF from the following contracting activity's WAWF point of contact.

166

(2) For technical WAWF help, contact the WAWF helpdesk at 866-618-5988.

(End of clause)

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#### Section B - Supplies or Services and Prices

ITEM NO SUPPLIES/SERVICES **QUANTITY** UNIT **UNIT PRICE AMOUNT** 0013 Each \$53,068.00 \$53,068.00 EXERCISED

Verizon Wireless Hawaii Support OPTION

Electromagnetic Spectrum Engineering/E3 Analysis and support as specified in the Performance Work Statement (T37). The contractor's proposal titled "Verizon Wireless, Kaneohe MCB, Marine Corps Training Area Bellows, Puna Mano Training Area, Pohakuloa Training Area, E3 Analysis, RADHAZ, AWS, MSP Support" dated 3 Novembe 2014 is incorporated by reference.

Period of Performance: April 02, 2015 through November 30 2015

FOB: Destination

PURCHASE REQUEST NUMBER: DOSMC50085

**NET AMT** \$53,068.00

ACRN AA

CIN: DOSMC500850013

\$53,068.00

# Section C - Descriptions and Specifications

#### PERFORMANCE WORK STATEMENT

# PERFORMANCE WORK STATEMENT (PWS) SPONSOR PROGRAM

	as 01 20/Oct/2014	
Contract Number:	HC1047-07-D-0001	
JSC Tracking Number:	T3793	
Task Order Number:		

Type of Task Order	Cost Plus Incentive Fee	(Check one box) (Double click on a box to check it.)				
Key Words	Verizon Wireless, Kaneohe MCB, Marine Corps Training Area Bellows, Polymono Training Area, Pohakuloa Training Area, E3 Analysis, RADHAZ, AMSP					
	SPONSO	R				
	Verizon Wire					
3245 158th Street SE						
M/S 231						
Bellevue, WA 98008						

1. Contracting Officer's Representative (COR).

a. Primary COR.

Name:	86	
Organization:	Joint Spectrum Center (JSC)/J8	
Department of Defense Activity Address Code (DODAAC):	H98294	
Address:	2004 Turbot Landing Annapolis, MD 21012-5064	
Phone Number:	86	
Fax Number:	(410) 293-9268	
E-Mail Address:	66	
Alternate COR		

b. Alternate COR.

Name:	86		
Organization:	Joint Spectrum Center (JSC)/J8		
DODAAC:	H98294		
Address:	2004 Turbot Landing		
	Annapolis, MD 21012-5064		
Phone Number:	86		
Fax Number:	(410) 293-9268		
E-Mail Address:	66		

- 2. <u>Task Order (TO) Title.</u> Verizon Wireless on Kaneohe MCB, Marine Corps Training Area Bellows, Puna Mano Training Area, and Pohakuloa Training Area, HI E3 Analysis Support
- 3. <u>Background</u>. The Telecommunications Act of 1996 directed the heads of all Federal Government departments and agencies to facilitate access by mobile service providers (MSPs) to Federal property for the purpose of siting equipment and mobile service antennas (MSAs). In response, the Department of Defense (DoD) Chief Information Officer (CIO) [formerly the Assistant Secretary of Defense for Command, Control, Communications, and

Intelligence (ASD C31)] issued a policy memorandum regarding placement of commercial antennas on DoD property.1

The DoD CIO policy memorandum requires that Commanders and/or Agency Directors coordinate requests for the placement of new telecommunications services on Federal property with the DoD Joint Spectrum Center (JSC), and that the JSC evaluate the proposed antenna siting/telecommunication service for potential electromagnetic interference to the existing or planned telecommunications operations of the affected government facility. The memorandum further states that the requestor will reimburse the JSC for the cost of the evaluation. Verizon Wireless, hereafter referred to as the purchaser, has requested permission to install and operate an Advanced Wireless Service (AWS) system on Kaneohe MCB, Marine Corps Training Area Bellows, Puna Mano Training Area, and Pohakuloa Training Area, Hl.

4. Objectives. The objectives of this effort are to:

acquiring host nation approval for equipment operation.

6.1 Task 1 - E3 Analyses.

- Determine the potential for electromagnetic interference (EMI) from the proposed system transmitters to existing and planned military, government, and commercial communications-electronics (C-E) systems.
- Determine the potential for electromagnetic radiation hazards (RADHAZ) from the proposed system transmitters to personnel, fuel, and ordnance with electrically initiated devices (EIDs).
- 5. Scope. This PWS addresses tasking to be performed by the Electromagnetic Spectrum Engineering Services (ESES) contractor in the area of: Electromagnetic Environmental Effects (E3) and Spectrum Engineering - coordinating electromagnetic compatibility (EMC) standards; analyzing equipment and systems for potential E3 problems and recommending solutions; performing radio frequency (RF) measurements; developing and conducting E3 training; assisting the acquisition community by assessing E3; determining operational frequency bands; and providing assistance in
- 6. Performance Requirements. The contractor shall provide E3 and RADHAZ analyses for the Puna Mano Training Area and Pohakuloa Training Area, HI proposed installations. The results of the analyses will be documented in a memorandum followed by a Consulting Report (CR) for each of the installations. The contractor shall provide an E3 analysis of the Kaneohe MCB and Marine Corps Training Area Bellows, HI proposed installations. The results of the analyses will be documented in a memorandum followed by a CR for each of the installations. The electromagnetic radiation hazards (RADHAZ) analysis of the system transmitters for the Marine Corps sites will be conducted by the Naval Surface Warfare Center Dahlgren Division (NSWCDD), Dahlgren, VA and will be provided under separate cover to Verizon Wireless.

Preliminary information from the sponsor will be used to conduct a search of military, government, and commercial frequency assignment databases to identify systems operating on government facilities in the vicinity of the sites of interest. The electromagnetic environment (EME) will be compiled from the Frequency Resource Record System (FRRS), the Government Master File (GMF), and the Federal Communications Commission (FCC) frequency assignment databases at the JSC. For the analysis of linear EMI effects, the EME will include FRRS and GMF assignments for systems within 75 miles of the proposed sites in co-channel or adjacent-channel frequency bands (within ±10 MHz of the AWS base station transmit frequency bands) and assignments for systems within 30 miles, operating in second and third harmonically related frequency bands. FCC assignments for systems within 10 miles operating in co channel, adjacent-channel, or second and third harmonically related frequency bands, will also be identified. The 75 mile radius will be used to include C-E equipment at other DoD and government facilities that could possibly receive signals from the proposed commercial transmitters.

<sup>&</sup>lt;sup>1</sup> Anthony M. Valletta, Department of Defense (DoD) Chief Information Officer (CIO) (formerly OASD (C3I)) Memorandum to Secretaries of the Military Departments, et al., Subject: Placement of Commercial Telecommunications Services on Federal Property, Washington, DC: DoD CIO (formerly the ASD (C3I)), 15 December 1997.

For the analysis of non-linear EMI effects (intermodulation), the cosite EME will include FRRS, GMF, and FCC frequency assignments between 300 MHz and 30 GHz for systems within a two mile radius of the proposed sites. The two mile radius is a conservative boundary for the analysis of non-linear EMI effects.

A site survey will not be required. Coordination will be conducted with the purchaser, US Government Spectrum Management, and Base Safety personnel at the proposed sites. Proposed system information will be verified with the sponsor. Environmental frequency assignment data will be reviewed and validated with the installation spectrum manager(s). Any data for frequency assignments not listed in the FRRS, GMF, or FCC databases will be used to augment the project EME.

The augmented frequency assignment data, along with the system characteristics of the introduced commercial telecommunications equipment, will be used to perform the EMI analyses. EMI analysis techniques will be used to determine the potential for inband, adjacent band, harmonically related, and intermodulation interference. These techniques are designed to climinate from further consideration those systems for which interference is not predicted using conservative analysis parameters.

For systems not eliminated in the conservative analysis, the ESES Contractor will conduct additional, more-detailed, analyses using additional JSC environmental analysis techniques. These techniques predict the effective on-tune received power levels considering the effects of transmitter power levels, harmonic levels, additional filtering provided by duplexers, etc., in the transmit path, transmitter antenna gain (in the direction of the victim receiver), receiver antenna gain (in the direction of the interfering transmitter), and receiver signal-filtering loss (frequency-dependent rejection).

The interference thresholds used in the EMI analyses will be based on interference-to-noise ratios (I/N) required for compatible operation as dictated by the specific modulation types involved in the interference interactions.

Deliverables: Results Memoranda followed by CRs

- 7. Performance Standards. Not Applicable.
- 8. Incentives. Not Applicable.
- 9. <u>Place of Performance</u>. The primary efforts associated with this TO PWS shall be performed at the government and the ESES Contractor facility. A site survey will not be performed as described in item 6.1. Alternate Place of Performance Contingency Only. As determined by the COR, contractor employees may be required to work at an alternate place of performance (e.g., home, the contractor's facility, or another approved activity within the local travel area) in cases of unforeseen conditions or contingencies (e.g., pandemic conditions, exercises, government closure due to inclement weather, etc.). Non-emergency/non-essential contractors should not report to a closed government facility. Contractor shall prepare all deliverables and other contract documentation utilizing contractor resources. To the extent possible, the contractor shall use best efforts to provide the same level of support as stated in the PWS. In the event the services are impacted, reduced, compromised, etc., the Contracting Officer or the contractor may request an equitable adjustment pursuant to the Changes clause of the contract.

  10. <u>Period of Performance</u>. 240 calendar days after contract award.

11. Delivery Schedule.

Schedule of Deliverables			
Title	Schedule		
Results Memorandum	20 Weeks after TO Award		
Consulting Reports	4 weeks after each Results Memorandum is distributed		

12. <u>Security</u>. Work performed under this TO will include the following classifications of work: UNCLASSIFIED, PROPRIETORY, FOR OFFICIAL USE ONLY, CONFIDENTIAL, and SECRET. A SECRET clearance will be required to perform daily duties. Periodic meetings will be held where individuals are often required to share data

and gather information in a classified environment. Individuals must be able to obtain and maintain a SECRET Clearance.

- 13. Government-Furnished Equipment (GFE)/Government-Furnished Information (GFI). Historical project files and reports will be provided. Site and system characteristics information for the installation proposed by the purchaser will be provided.
- 14. Other Pertinent Information or Special Considerations.
  - a. Identification of Possible Follow-on Work. Not applicable.
- b. <u>Identification of Potential Conflicts of Interest (COI)</u>. The ESES contractor shall identify any possible organizational conflict of interest (OCI) as defined in Subpart 9.5 of the Federal Acquisition Regulation. If there is an OCI, the ESES contractor must inform the COR and provide an OCI Mitigation Plan that identifies how the OCI is to be mitigated.
  - c. <u>Identification of Non-Disclosure Requirements</u>. Not applicable.
  - d. Packaging, Packing and Shipping Instructions. Not Applicable, provided in the base contract.
  - e. Inspection and Acceptance Criteria. Not Applicable, provided in the base contract.
  - f. Property Accountability. Not applicable.
- 15. Section 508 Accessibility Standards. Not applicable.
- 16. External Support. None.
- 17. Pricing Information. Information is obtained from Price List for MSP Support.

Section E - Inspection and Acceptance

# INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

0013

INSPECT AT Destination

**INSPECT BY** Government

ACCEPT AT Destination

**ACCEPT BY** Government

# Section F - Deliveries or Performance

# **DELIVERY INFORMATION**

CLIN DELIVERY DATE QUANTITY SHIP TO ADDRESS UIC

0013 POP 02-APR-2015 TO N/A DISA JOINT SPECTRUM CENTER H98294
30-NOV-2015
2104 TURBOT LANDING
ANNAPOLIS MD 21402-5064
E6
FOB: Destination

Section G - Contract Administration Data

# ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930.5F20 000 C1013 0 068142 2F 257020 AMOUNT: \$53,068,00 C1N DOSMC500850013: \$53,068.00 Section I - Contract Clauses

#### CLAUSES INCORPORATED BY REFERENCE

252.201-7000

Contracting Officer's Representative

**DEC 1991** 

#### CLAUSES INCORPORATED BY FULL TEXT

52.204-9000 Points of Contact (AUG 2005)

Contracting Officer

Name:

Organization/Office Symbol: DISA/PSD63

Phone No.: 66

E-Mail Address:

BL

Contract Specialist

86 Name:

Organization/Office Symbol: DISA/PSD63

Phone No.:

86

E-Mail Address: &

Customer/COR/TM Point of Contact

Name:

36

Organization/Office Symbol: Joint Spectrum Center/J8

Phone No.:

86

E-Mail Address:

Contractor Point of Contact

Contractor Legal Business Name: Exelis, Inc

DUNS: 083655498 CAGE CODE: 9M715

Contractor POC: Anne Hasselbrack

E-Mail Address: anne.hasselbrack(@exelisinc.com

Phone Number: 301.867.2985

Fax Number:

(End of clause)

### 252.232-7006 WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS (MAY 2013)

(a) Definitions. As used in this clause--

Department of Defense Activity Address Code (DoDAAC) is a six position code that uniquely identifies a unit, activity, or organization.

Document type means the type of payment request or receiving report available for creation in Wide Area WorkFlow (WAWF).

Local processing office (LPO) is the office responsible for payment certification when payment certification is done external to the entitlement system.

- (b) Electronic invoicing. The WAWF system is the method to electronically process vendor payment requests and receiving reports, as authorized by DFARS 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports.
- (c) WAWF access. To access WAWF, the Contractor shall--
- (1) Have a designated electronic business point of contact in the System for Award Management at https://www.acquisition.gov; and
- (2) Be registered to use WAWF at https://wawf.eb.mil/ following the step-by-step procedures for self-registration available at this Web site.
- (d) WAWF training. The Contractor should follow the training instructions of the WAWF Web-Based Training Course and use the Practice Training Site before submitting payment requests through WAWF. Both can be accessed by selecting the "Web Based Training" link on the WAWF home page at https://wawf.eb.mil/.
- (e) WAWF methods of document submission. Document submissions may be via Web entry, Electronic Data Interchange, or File Transfer Protocol.
- (f) WAWF payment instructions. The Contractor must use the following information when submitting payment requests and receiving reports in WAWF for this contract/order:
- (1) Document type. The Contractor shall use the following document type(s).

#### 2 n 1

(2) Inspection/acceptance location. The Contractor shall select the following inspection/acceptance location(s) in WAWF, as specified by the contracting officer.

#### Not Applicable

(3) Document routing. The Contractor shall use the information in the Routing Data Table below only to fill in applicable fields in WAWF when creating payment requests and receiving reports in the system.

#### Routing Data Table\*

Field Name in WAWF	Data to be entered in WAWF
Pay Official DoDAAC	HC0131
Issue By DoDAAC	HC1047
Admin DoDAAC	HC1047
Inspect By DoDAAC	Н98294
Ship To Code	H98294
Ship From Code	N/A
Mark For Code	N/A
Service Approver (DoDAAC)	Н98294
Service Acceptor (DoDAAC)	H98294
Accept at Other DoDAAC	N/A

LPO DoDAAC	N/A
DCAA Auditor DoDAAC	N/A
Other DoDAAC(s)	N/A

- (4) Payment request and supporting documentation. The Contractor shall ensure a payment request includes appropriate contract line item and subline item descriptions of the work performed or supplies delivered, unit price/cost per unit, fee (if applicable), and all relevant back-up documentation, as defined in DFARS Appendix F, (e.g. timesheets) in support of each payment request.
- (5) WAWF email notifications. The Contractor shall enter the email address identified below in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system.

NAME:

**EMAIL** 

BE

(g) WAWF point of contact. (1) The Contractor may obtain clarification regarding invoicing in WAWF from the following contracting activity's WAWF point of contact.

(Contracting Officer: Insert applicable information or "Not applicable.")

(2) For technical WAWF help, contact the WAWF helpdesk at 866-618-5988.

(End of clause)

		ORDER F	OR SUPPI	LIES OR	SERVIC	ES				PAGE I OF 12
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9. CONTRACTO	)R CO	DE 9M715		114 (111 1771)	1	1		•		
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16. DELIVE	ERY/ X This deliver	order/call is issue	d on another Gover	mment agency o	r in accordance	with and su	ubject to terms an	d conditio	ns ofabove num	nbered contract.
OF PURCH	MOL	ur quote dated bllowing on terms	specified herein. R	EF: 1/30/2015 (T3	811)				<del></del>	
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If this box is	ONTRACTOR marked, supplier must	sign Acceptanc	SIGNATUR e and return the		anber of copi	T'	YPED NAME	AND TI	TLE	DATE SIGNED
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18. ITEM NO.	19. SCH	EDULE OF SUP	PLIES/ SERVIC	ES		NTITY ERED/ EPTED*	21. UNIT	22. UNI	T PRICE	23. AMOUNT
		SEE SCH	EDULE							
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	w quantity ordered and en IN COLUMN 20 HAS		1,1,200,100,1		CONTRAC	TING / O	PRDERING OFFIC	ER	DIFFERENCE	.5
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7. RECEIVED AT	38. RECEIVED	BY	39. DATE REC	CEIVED	40.TOTAL CONTAIL	41	. S/R ACCOU	NT NO	42. S/R VOU	JCHER NO.
) Form 1455 DE	2 2221									

# Section B - Supplies or Services and Prices

ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT 1 Each \$52,870.00 \$52,870.00

Elgin AFB

FFP

Engineering Support on Elgin AFB

FFP

Engineering Electromagnetic Support FFP Electromagnetic Spectrum Engineering/E3 Analysis and support as specified in Performance Work Statement (T3811). The contractor's proposal titled "AT&T Mobility Wireless on Elgin AFB with Exelis Corp dated 30 January 2015 is incorporated by reference

FOB: Destination

PURCHASE REQUEST NUMBER: DOSMC50072

NET AMT \$52,870.00

ACRN AA

CIN: DOSMC501070013

\$52,870.00

#### Section C - Descriptions and Specifications

**PWS** 

#### PERFORMANCE WORK STATEMENT (PWS) SPONSOR PROGRAM as of 22/Dec/2014

Contract Number:	D-0001		
JSC Tracking Number:	T3811		
Task Order Number:	0988		
Tupo of Tody Order	Cost Plus Incentive Fee	(Check one box)	
Type of Task Order	Firm Fixed Price	(Double click on a box to check it.)	
Key Words AT&T Mobility, Eglin AFB, E3 Analysis, RADHAZ, LTE, MSP			
	SPONS	OR	
	AT&T Mobil	ity LLC	
	3535 Colonna	de Pkwy	
	Birmingham, A	AL 35243	
	27111115111111, 1	12 002 10	

- 1. Contracting Officer's Representative (COR).
- a. Primary COR.

Name:	86
Organization:	Joint Spectrum Center (JSC)/OS351
Department of Defense Activity Address Code (DODAAC):	H98294
Address:	2004 Turbot Landing Annapolis, MD 21012-5064
Phone Number:	86
Fax Number:	(410) 293-9268
E-Mail Address:	86

## b. Alternate COR.

Name:	86	
Organization:	JSC/OS351	
DODAAC:	H98294	
Address:	2004 Turbot Landing Annapolis, MD 21012-5064	
Phone Number:	86	
Fax Number:	(410) 293-9268	
E-Mail Address:	66	

- 2. Task Order (TO) Title. AT&T Mobility on Eglin AFB E3 Analysis Support
- 3. <u>Background</u>. The Telecommunications Act of 1996 directed the heads of all Federal Government departments and agencies to facilitate access by mobile service providers (MSPs) to Federal property for the purpose of siting equipment and mobile service antennas (MSAs). In response, the Department of Defense (DoD) Chief Information Officer (CIO) [formerly the Assistant Secretary of Defense for Command, Control, Communications, and

Intelligence (ASD C3I)] issued a policy memorandum regarding placement of commercial antennas on DoD property. <sup>1</sup>

The DoD CIO policy memorandum requires that Commanders and/or Agency Directors coordinate requests for the placement of new telecommunications services on Federal property with the DoD Joint Spectrum Center (JSC), and that the JSC evaluate the proposed antenna siting/telecommunication service for potential electromagnetic interference to the existing or planned telecommunications operations of the affected government facility. The memorandum further states that the requestor will reimburse the JSC for the cost of the evaluation.

AT&T Mobility, hereafter referred to as the purchaser, has requested permission to install and operate two Long Term Evolution (LTE) systems on five sites at Eglin AFB.

- 4. Objectives. The objectives of this effort are to:
  - Determine the potential for electromagnetic interference (EMI) from the proposed system transmitters to
    existing and planned military, government, and commercial communications-electronics (C-E) systems.
  - Determine the potential for electromagnetic radiation hazards (RADHAZ) from the proposed system transmitters to personnel, fuel, and ordnance with electrically initiated devices (EIDs).
- 5. <u>Scope</u>. This PWS addresses tasking to be performed by the Electromagnetic Spectrum Engineering Services (ESES) contractor in the area of:

Electromagnetic Environmental Effects (E3) and Spectrum Engineering – coordinating electromagnetic compatibility (EMC) standards; analyzing equipment and systems for potential E3 problems and recommending solutions; performing radio frequency (RF) measurements; developing and conducting E3 training; assisting the acquisition community by assessing E3; determining operational frequency bands; and providing assistance in acquiring host nation approval for equipment operation.

6. <u>Performance Requirements</u>. The contractor shall provide an electromagnetic environmental effects (E3) and RADHAZ analysis of the proposed installation. The results of the analysis will be documented in a memorandum followed by a Consulting Report (CR).

#### 6.1 Task 1 – E3 Analysis.

Preliminary information from the sponsor will be used to conduct a search of military, government, and commercial frequency assignment databases to identify systems operating on government facilities in the vicinity of the site of interest. The electromagnetic environment (EME) will be compiled from the Frequency Resource Record System (FRRS), the Government Master File (GMF), and the Federal Communications Commission (FCC) frequency assignment databases at the JSC. For the analysis of linear EMI effects, the EME will include FRRS and GMF assignments for systems within 75 miles of the proposed site in co-channel or adjacent-channel frequency bands (within ±10 MHz of the LTE base station transmit frequency bands) and assignments for systems within 30 miles, operating in second and third harmonically related frequency bands. FCC assignments for systems within 10 miles operating in co channel, adjacent-channel, or second and third harmonically related frequency bands, will also be identified. The 75 mile radius will be used to include C-E equipment at other DoD and government facilities that could possibly receive signals from the proposed commercial transmitters.

For the analysis of non-linear EMI effects (intermodulation), the cosite EME will include FRRS, GMF, and FCC frequency assignments between 300 MHz and 30 GHz for systems within a two mile radius of the proposed site. The two mile radius is a conservative boundary for the analysis of non-linear EMI effects.

A site survey will not be required. Coordination will be conducted with the purchaser, US Government Spectrum Management, and Base Safety personnel at the proposed site. Proposed system information will be verified with the

<sup>&</sup>lt;sup>1</sup> Anthony M. Valletta, DoD CIO (formerly OASD (C3I)) Memorandum to Secretaries of the Military Departments, et al., Subject: *Placement of Commercial Telecommunications Services on Federal Property*, Washington, DC: DoD CIO (formerly ASD (C3I)), 15 December 1997.

sponsor. Environmental frequency assignment data will be reviewed and validated with the installation spectrum manager. Any data for frequency assignments not listed in the FRRS, GMF, or FCC databases will be used to augment the project EME.

The augmented frequency assignment data, along with the system characteristics of the introduced commercial telecommunications equipment, will be used to perform the EMI analysis. EMI analysis techniques will be used to determine the potential for inband, adjacent band, harmonically related, and intermodulation interference. These techniques are designed to eliminate from further consideration those systems for which interference is not predicted using conservative analysis parameters.

For systems not eliminated in the conservative analysis, the Electromagnetic Spectrum Engineering Services (ESES) Contractor will conduct additional, more-detailed, analyses using additional JSC environmental analysis techniques. These techniques predict the effective on-tune received power levels considering the effects of transmitter power levels, harmonic levels, additional filtering provided by duplexers, etc., in the transmit path, transmitter antenna gain (in the direction of the victim receiver), receiver antenna gain (in the direction of the interfering transmitter), and receiver signal-filtering loss (frequency-dependent rejection).

The interference thresholds used in the EMI analysis will be based on interference-to-noise ratios (I/N) required for compatible operation as dictated by the specific modulation types involved in the interference interactions.

Deliverables: Results Memorandum followed by a CR

6.2 Task 2 - RADHAZ Analysis.

Upon verification of the characteristics data of the proposed commercial telecommunications system, an analysis will be performed using applicable DoD thresholds to determine distance separation requirements to avoid the potential for RADHAZ to personnel, fuel, and ordnance using EIDs.

Deliverables: To be delivered in the Task 1 Results Memorandum and CR

- 7. Performance Standards. Not Applicable.
- 8. Incentives. Not Applicable.
- 9. <u>Place of Performance</u>. The primary efforts associated with this TO PWS shall be performed at the government and the ESES Contractor facility. A site survey will not be performed as described in item 6.1.

Alternate Place of Performance - Contingency Only. As determined by the COR, contractor employees may be required to work at an alternate place of performance (e.g., home, the contractor's facility, or another approved activity within the local travel area) in cases of unforeseen conditions or contingencies (e.g., pandemic conditions, exercises, government closure due to inclement weather, etc.). Non-emergency/non-essential contractors should not report to a closed government facility. Contractor shall prepare all deliverables and other contract documentation utilizing contractor resources. To the extent possible, the contractor shall use best efforts to provide the same level of support as stated in the PWS. In the event the services are impacted, reduced, compromised, etc., the Contracting Officer or the contractor may request an equitable adjustment pursuant to the Changes clause of the contract.

10. Period of Performance. 240 calendar days after contract award.

#### 11. Delivery Schedule.

Schedule of Deliverables		
Title	Schedule of Deliverables	
Results Memorandum	20 Weeks after TO Award	
Consulting Reports	4 weeks after the Results Memorandum is distributed	

- 12. <u>Security</u>. Work performed under this TO will include the following classifications of work: UNCLASSIFIED, PROPRIETORY, FOR OFFICIAL USE ONLY, CONFIDENTIAL, and SECRET. A SECRET clearance will be required to perform daily duties. Periodic meetings will be held where individuals are often required to share data and gather information in a classified environment. Individuals must be able to obtain and maintain a SECRET Clearance.
- 13. <u>Government-Furnished Equipment (GFE)/Government-Furnished Information (GFI)</u>. Historical project files and reports will be provided. Site and system characteristics information for the installation proposed by the purchaser will be provided.
- 14. Other Pertinent Information or Special Considerations.
  - a. Identification of Possible Follow-on Work. Not applicable.
- b. <u>Identification of Potential Conflicts of Interest (COI)</u>. The ESES contractor shall identify any possible organizational conflict of interest (OCI) as defined in Subpart 9.5 of the Federal Acquisition Regulation. If there is an OCI, the ESES contractor must inform the COR and provide an OCI Mitigation Plan that identifies how the OCI is to be mitigated.
  - c. <u>Identification of Non-Disclosure Requirements</u>. Not applicable.
  - d. Packaging, Packing and Shipping Instructions. Not Applicable, provided in the base contract.\_
  - e. Inspection and Acceptance Criteria. Not Applicable, provided in the base contract.
  - f. Property Accountability. Not applicable.
- 15. Section 508 Accessibility Standards. Not applicable.
- 16. External Support. None.
- 17. Pricing Information. Information is obtained from Price List for MSP Support.

Section E - Inspection and Acceptance

# INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN INSPECT AT 0013 Destination

INSPECT BY ACCEPT AT Government Destination

ACCEPT BY Government

# Section F - Deliveries or Performance

#### **DELIVERY INFORMATION**

CLIN DELIVERY DATE QUANTITY SHIP TO ADDRESS UIC

0013 POP 15-APR-2015 TO N/A DISA JOINT SPECTRUM CENTER H98294

14-DEC-2015

2104 TURBOT LANDING
ANNAPOLIS MD 21402-5064

FOB: Destination

Section G - Contract Administration Data

# ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930.5F20 000 C1013 0 068142 2F 257020 DOSMC50107 AMOUNT: \$52,870.00 CIN DOSMC501070013: \$52,870.00

#### Section I - Contract Clauses

# CLAUSES INCORPORATED BY FULL TEXT

# 52.204-9000 Points of Contact (AUG 2005)

Contracting Officer

Name: 86

Organization/Office Symbol: PL63

Phone No.:

86

E-Mail Address:

Contract Specialist

Name:

56

Organization/Office Symbol: PL63

Phone No.: 86

E-Mail Address:

Customer/COR/TM Point of Contact

136

Organization/Office Symbol: OS351

Phone No. 66

E-Mail Address:

Contractor Point of Contact Contractor Legal Business Name:

DUNS: 0833655498

CAGE CODE: 9M715

Contractor POC: Anne Hasselbrack

E-Mail Address: anne.hasselbrack@exclisinc.com

Phone Number: 301-867-2985

OR

Contractor POC:

Name: Michael Hayes

Email: michael.hayes@exelisinc.com

Phone: 301-867-2956

(End of clause)

# 252.232-7006 WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS (MAY 2013)

(a) Definitions. As used in this clause--

Department of Defense Activity Address Code (DoDAAC) is a six position code that uniquely identifies a unit, activity, or organization.

Document type means the type of payment request or receiving report available for creation in Wide Area WorkFlow (WAWF).

Local processing office (LPO) is the office responsible for payment certification when payment certification is done external to the entitlement system.

- (b) Electronic invoicing. The WAWF system is the method to electronically process vendor payment requests and receiving reports, as authorized by DFARS 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports.
- (c) WAWF access. To access WAWF, the Contractor shall--
- (1) Have a designated electronic business point of contact in the System for Award Management at https://www.acquisition.gov; and
- (2) Be registered to use WAWF at https://wawf.eb.mil/ following the step-by-step procedures for self-registration available at this Web site.
- (d) WAWF training. The Contractor should follow the training instructions of the WAWF Web-Based Training Course and use the Practice Training Site before submitting payment requests through WAWF. Both can be accessed by selecting the "Web Based Training" link on the WAWF home page at https://wawf.eb.mil/.
- (e) WAWF methods of document submission. Document submissions may be via Web entry, Electronic Data Interchange, or File Transfer Protocol.
- (f) WAWF payment instructions. The Contractor must use the following information when submitting payment requests and receiving reports in WAWF for this contract/order:
- (1) Document type. The Contractor shall use the following document type(s).

#### Combo

(Contracting Officer: Insert applicable document type(s). Note: If a "Combo" document type is identified but not supportable by the Contractor's business systems, an "Invoice" (stand-alone) and "Receiving Report" (stand-alone) document type may be used instead.)

(2) Inspection/acceptance location. The Contractor shall select the following inspection/acceptance location(s) in WAWF, as specified by the contracting officer.

#### Destination

(3) Document routing. The Contractor shall use the information in the Routing Data Table below only to fill i	n
applicable fields in WAWF when creating payment requests and receiving reports in the	
system.	

Routing Data Table*	
****	
Field Name in WAWF	Data to be entered in WAWF

Pay Official DoDAAC	HO0131
Issue By DoDAAC	HC1047
Admin DoDAAC	HC1047
Inspect By DoDAAC	HC1047
Ship To Code	N/A
Ship From Code	N/A
Mark For Code	N/A
Service Approver (DoDAAC)	H98294
Service Acceptor (DoDAAC)	H98294
Accept at Other DoDAAC	H98294
LPO DoDAAC	N/A
DCAA Auditor DoDAAC	N/A
Other DoDAAC(s)	N/A

- (4) Payment request and supporting documentation. The Contractor shall ensure a payment request includes appropriate contract line item and subline item descriptions of the work performed or supplies delivered, unit price/cost per unit, fee (if applicable), and all relevant back-up documentation, as defined in DFARS Appendix F, (e.g. timesheets) in support of each payment request.
- (5) WAWF email notifications. The Contractor shall enter the email address identified below in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system.

86

(g) WAWF point of contact. (1) The Contractor may obtain clarification regarding invoicing in WAWF from the following contracting activity's WAWF point of contact.

BL

Email	$\mathcal{S}_{\ell}$
CHICAL	

(2) For technical WAWF help, contact the WAWF helpdesk at 866-618-5988.

(End of clause)

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### Section B - Supplies or Services and Prices

ITEM NO 0013

SUPPLIES/SERVICES

QUANTITY

UNIT Each UNIT PRICE \$52,870.00

AMOUNT \$52,870.00

T-Mobile South LLC on Fort Bragg

FFI

Engineering Support on Fort Bragg

FFP

Engineering Electromagnetic Support /E3 Analysis and support as specified in Performance Work Statement (T3720). The contractor's proposal titled "T-Mobile South LLC on Fort Bragg with Exelis Corp dated 19 June 2014 is incorporated by reference

FOB: Destination

PURCHASE REQUEST NUMBER: DOSMC50072

**NET AMT** 

\$52,870.00

ACRN AA

CIN: DOSMC500720013

\$52,870.00

### Section C - Descriptions and Specifications

**PWS** 

### PERFORMANCE WORK STATEMENT (PWS) SPONSOR PROGRAM as of 17/Apr/2014

Contract Number:	HC1047-07-E	0-0001	
JSC Tracking Number:	T3720		
Task Order Number:	0989		
Tuna of Tunk Ouder	Cost Plus Incentive Fee	(Check one box)	
Type of Task Order	Firm Fixed Price	(Double click on a box to check it.)	
Key Words	T-Mobile, Fort Bragg, E3 Anal	ysis, RADHAZ, PCS, LTE, MSP	
	SPONSO	R	
	T-Mobile Sou	th LLC	
	2105 Water Ridge Pl	cwy Suite 400	
	Charlotte, NC	28217	

### 1. Contracting Officer's Representative (COR).

a. Primary COR.

Name:	86
Organization:	Joint Spectrum Center (JSC)/J8
Department of Defense Activity Address Code (DODAAC):	H98294
Address:	2004 Turbot Landing Annapolis, MD 21012-5064
Phone Number:	86
Fax Number:	(410) 293-9268
E-Mail Address:	86

### b. Alternate COR.

Name:	To Be Determine (TBD)	
Organization:	Joint Spectrum Center (JSC)/J8	
DODAAC:	H98294	
Address:	2004 Turbot Landing Annapolis, MD 21012-5064	
Phone Number:		
Fax Number:		
E-Mail Address:		

### 2. Task Order (TO) Title. T-Mobile on Fort Bragg E3 Analysis Support

3. <u>Background</u>. The Telecommunications Act of 1996 directed the heads of all Federal Government departments and agencies to facilitate access by mobile service providers (MSPs) to Federal property for the purpose of siting equipment and mobile service antennas (MSAs). In response, the Department of Defense (DoD) Chief Information Officer (CIO) [formerly the Assistant Secretary of Defense for Command, Control, Communications, and

Intelligence (ASD C3I)] issued a policy memorandum regarding placement of commercial antennas on DoD property. 

Intelligence (ASD C3I) issued a policy memorandum regarding placement of commercial antennas on DoD property.

The DoD CIO policy memorandum requires that Commanders and/or Agency Directors coordinate requests for the placement of new telecommunications services on Federal property with the DoD Joint Spectrum Center (JSC), and that the JSC evaluate the proposed antenna siting/telecommunication service for potential electromagnetic interference to the existing or planned telecommunications operations of the affected government facility. The memorandum further states that the requestor will reimburse the JSC for the cost of the evaluation.

T-Mobile South LLC, hereafter referred to as the purchaser, has requested permission to install and operate a Personal Communications Service (PCS) system and a Long Term Evolution (LTE) system at five sites on Fort Bragg, NC.

- 4. Objectives. The objectives of this effort are to:
  - Determine the potential for electromagnetic interference (EMI) from the proposed system transmitters to
    existing and planned military, government, and commercial communications-electronics (C-E) systems.
  - Determine the potential for electromagnetic radiation hazards (RADHAZ) from the proposed system transmitters to personnel, fuel, and ordnance with electrically initiated devices (EIDs).
- 5. <u>Scope</u>. This PWS addresses tasking to be performed by the Electromagnetic Spectrum Engineering Services (ESES) contractor in the area of:

Electromagnetic Environmental Effects (E3) and Spectrum Engineering – coordinating electromagnetic compatibility (EMC) standards; analyzing equipment and systems for potential E3 problems and recommending solutions; performing radio frequency (RF) measurements; developing and conducting E3 training; assisting the acquisition community by assessing E3; determining operational frequency bands; and providing assistance in acquiring host nation approval for equipment operation.

6. <u>Performance Requirements</u>. The contractor shall provide an E3 and RADHAZ analyses of the proposed installation. The results of the analysis will be documented in a memorandum followed by a Consulting Report (CR).

#### 6.1 Task 1 - E3 Analysis.

Preliminary information from the sponsor will be used to conduct a search of military, government, and commercial frequency assignment databases to identify systems operating on government facilities in the vicinity of the site of interest. The electromagnetic environment (EME) will be compiled from the Frequency Resource Record System (FRRS), the Government Master File (GMF), and the Federal Communications Commission (FCC) frequency assignment databases at the JSC. For the analysis of linear EMI effects, the EME will include FRRS and GMF assignments for systems within 75 miles of the proposed site in co-channel or adjacent-channel frequency bands (within ±10 MHz of the PCS and LTE base station transmit frequency bands) and assignments for systems within 30 miles, operating in second and third harmonically related frequency bands. FCC assignments for systems within 10 miles operating in co channel, adjacent-channel, or second and third harmonically related frequency bands, will also be identified. The 75 mile radius will be used to include C-E equipment at other DoD and government facilities that could possibly receive signals from the proposed commercial transmitters.

For the analysis of non-linear EMI effects (intermodulation), the cosite EME will include FRRS, GMF, and FCC frequency assignments between 300 MHz and 30 GHz for systems within a two mile radius of the proposed site. The two mile radius is a conservative boundary for the analysis of non-linear EMI effects.

<sup>&</sup>lt;sup>1</sup> Anthony M. Valletta, DoD CIO (formerly OASD (C3I)) Memorandum to Secretaries of the Military Departments, et al., Subject: *Placement of Commercial Telecommunications Services on Federal Property*, Washington, DC: DoD CIO (formerly ASD (C3I)), 15 December 1997.

A site survey will not be required. Coordination will be conducted with the purchaser, US Government Spectrum Management, and Base Safety personnel at the proposed site. Proposed system information will be verified with the sponsor. Environmental frequency assignment data will be reviewed and validated with the installation spectrum manager. Any data for frequency assignments not listed in the FRRS, GMF, or FCC databases will be used to augment the project EME.

The augmented frequency assignment data, along with the system characteristics of the introduced commercial telecommunications equipment, will be used to perform the EMI analysis. EMI analysis techniques will be used to determine the potential for inband, adjacent band, harmonically related, and intermodulation interference. These techniques are designed to eliminate from further consideration those systems for which interference is not predicted using conservative analysis parameters.

For systems not eliminated in the conservative analysis, the ESES Contractor will conduct additional, more-detailed, analyses using additional JSC environmental analysis techniques. These techniques predict the effective on-tune received power levels considering the effects of transmitter power levels, harmonic levels, additional filtering provided by duplexers, etc., in the transmit path, transmitter antenna gain (in the direction of the victim receiver), receiver antenna gain (in the direction of the interfering transmitter), and receiver signal-filtering loss (frequency-dependent rejection).

The interference thresholds used in the EMI analysis will be based on interference-to-noise ratios (I/N) required for compatible operation as dictated by the specific modulation types involved in the interference interactions.

Deliverables: Results Memorandum followed by a CR

6.2 Task 2 - RADHAZ Analysis.

Upon verification of the characteristics data of the proposed commercial telecommunications system, an analysis will be performed using applicable DoD thresholds to determine distance separation requirements to avoid the potential for RADHAZ to personnel, fuel, and ordnance using EIDs.

Deliverables: To be delivered in the Task 1 Results Memorandum and CR

- 7. Performance Standards. Not Applicable.
- 8. Incentives. Not Applicable.
- 9. <u>Place of Performance</u>. The primary efforts associated with this TO PWS shall be performed at the government and the ESES Contractor facility. A site survey will not be performed as described in item 6.1.

Alternate Place of Performance - Contingency Only. As determined by the COR, contractor employees may be required to work at an alternate place of performance (e.g., home, the contractor's facility, or another approved activity within the local travel area) in cases of unforeseen conditions or contingencies (e.g., pandemic conditions, exercises, government closure due to inclement weather, etc.). Non-emergency/non-essential contractors should not report to a closed government facility. Contractor shall prepare all deliverables and other contract documentation utilizing contractor resources. To the extent possible, the contractor shall use best efforts to provide the same level of support as stated in the PWS. In the event the services are impacted, reduced, compromised, etc., the Contracting Officer or the contractor may request an equitable adjustment pursuant to the Changes clause of the contract.

10. Period of Performance. 240 calendar days after contract award.

#### 11. Delivery Schedule.

Schedule of Deliverables				
Title	Schedule of Deliverables			
Results Memorandum	24 Weeks after Task Order Award			
Consulting Reports	4 weeks after the Results Memorandum is distributed			

- 12. Security. Work performed under this TO will include the following classifications of work: UNCLASSIFIED, PROPRIETORY, FOR OFFICIAL USE ONLY, CONFIDENTIAL, and SECRET. A SECRET clearance will be required to perform daily duties. Periodic meetings will be held where individuals are often required to share data and gather information in a classified environment. Individuals must be able to obtain and maintain a SECRET Clearance.
- 13. Government-Furnished Equipment (GFE)/Government-Furnished Information (GFI). Historical project files and reports will be provided. Site and system characteristics information for the installation proposed by the purchaser will be provided.
- 14. Other Pertinent Information or Special Considerations.
  - a. Identification of Possible Follow-on Work. Not applicable.
- b. <u>Identification of Potential Conflicts of Interest (COI)</u>. The ESES contractor shall identify any possible organizational conflict of interest (OCI) as defined in Subpart 9.5 of the Federal Acquisition Regulation. If there is an OCI, the ESES contractor must inform the COR and provide an OCI Mitigation Plan that identifies how the OCI is to be mitigated.
  - c. Identification of Non-Disclosure Requirements. Not applicable.
  - d. Packaging, Packing and Shipping Instructions. Not Applicable, provided in the base contract.
  - e. Inspection and Acceptance Criteria. Not Applicable, provided in the base contract.
  - f. Property Accountability. Not applicable.
- 15. Section 508 Accessibility Standards. Not applicable.
- 16. External Support. None.
- 17. Pricing Information. Information is obtained from Price List for MSP Support.

Section E - Inspection and Acceptance

### INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN INSPECT AT 0013 Destination

INSPECT BY AG Government De

ACCEPT AT Destination

ACCEPT BY Government

### Section F - Deliveries or Performance

### **DELIVERY INFORMATION**

CLIN DELIVERY DATE QUANTITY SHIP TO ADDRESS UIC

0013 POP 15-APR-2015 TO N/A DISA JOINT SPECTRUM CENTER H98294
14-DEC-2015 2104 TURBOT LANDING
ANNAPOLIS MD 21402-5064

FOB: Destination

Section G - Contract Administration Data

## ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930.5F20 000 C1013 0 068142 2F 257020 DOSMC50072 AMOUNT: \$52,870.00 CIN DOSMC500720013: \$52,870.00

### Section I - Contract Clauses

### CLAUSES INCORPORATED BY FULL TEXT

52.204-9000 Points of Contact (AUG 2005)

Contracting Officer

Name: E6\_

Organization/Office Symbol: PL 63

Phone No.:

E-Mail Address 66

Contract Specialist

Name:

BE

Organization/Office Symbol: PL63

Phone No.:

60

E-Mail Address

86

Customer/COR/TM Point of Contact

Name:

BG

Organization/Office Symbol: (JSC) OS351

Phone No.:

SG.

E-Mail Addres

86

Contractor Point of Contact Contractor Legal Business Name:

DUNS: 0833655498 CAGE CODE: 9M715

Contractor POC: Anne Hasselbrack

E-Mail Address: anne.hasselbrack@exelisinc.com

Phone Number: 301-867-2985

OR

Contractor POC:

Name: Michael Hayes

Email: michael.hayes@exelisinc.com

Phone: 301-867-2956

(End of clause)

252.232-7006 WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS (MAY 2013)

(a) Definitions. As used in this clause--

Department of Defense Activity Address Code (DoDAAC) is a six position code that uniquely identifies a unit, activity, or organization.

Document type means the type of payment request or receiving report available for creation in Wide Area WorkFlow (WAWF).

Local processing office (LPO) is the office responsible for payment certification when payment certification is done external to the entitlement system.

- (b) Electronic invoicing. The WAWF system is the method to electronically process vendor payment requests and receiving reports, as authorized by DFARS 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports.
- (c) WAWF access. To access WAWF, the Contractor shall--
- (1) Have a designated electronic business point of contact in the System for Award Management at https://www.acquisition.gov; and
- (2) Be registered to use WAWF at https://wawf.eb.mil/ following the step-by-step procedures for self-registration available at this Web site.
- (d) WAWF training. The Contractor should follow the training instructions of the WAWF Web-Based Training Course and use the Practice Training Site before submitting payment requests through WAWF. Both can be accessed by selecting the "Web Based Training" link on the WAWF home page at https://wawf.eb.mil/.
- (e) WAWF methods of document submission. Document submissions may be via Web entry, Electronic Data Interchange, or File Transfer Protocol.
- (f) WAWF payment instructions. The Contractor must use the following information when submitting payment requests and receiving reports in WAWF for this contract/order:
- (1) Document type. The Contractor shall use the following document type(s).

#### Combo

(Contracting Officer: Insert applicable document type(s). Note: If a "Combo" document type is identified but not supportable by the Contractor's business systems, an "Invoice" (stand-alone) and "Receiving Report" (stand-alone) document type may be used instead.)

(2) Inspection/acceptance location. The Contractor shall select the following inspection/acceptance location(s) in WAWF, as specified by the contracting officer.

#### **Destination**

(3) Document routing. The Contractor shall use the information in the Routing Data Table below only to fill in applicable fields in WAWF when creating payment requests and receiving reports in the system.

Routing Data Table*	

Field Name in WAWF	Data to be entered in WAWF
Pay Official DoDAAC	HQ0131
Issue By DoDAAC	HC1047
Admin DoDAAC	HC1047
Inspect By DoDAAC	HC1047
Ship To Code	N/A
Ship From Code	N/A
Mark For Code	N/A
Service Approver (DoDAAC)	1198294
Service Acceptor (DoDAAC)	H98294
Accept at Other DoDAAC	N/A
LPO DoDAAC	N/A
DCAA Auditor DoDAAC	N/A
Other DoDAAC(s)	N/A

- (4) Payment request and supporting documentation. The Contractor shall ensure a payment request includes appropriate contract line item and subline item descriptions of the work performed or supplies delivered, unit price/cost per unit, fee (if applicable), and all relevant back-up documentation, as defined in DFARS Appendix F, (e.g. timesheets) in support of each payment request.
- (5) WAWF email notifications. The Contractor shall enter the email address identified below in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system.
- (g) WAWF point of contact. (1) The Contractor may obtain clarification regarding invoicing in WAWF from the following contracting activity's WAWF point of contact.

Name: BC Phone: BC Email: BC

(2) For technical WAWF help, contact the WAWF helpdesk at 866-618-5988.

(End of clause)

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# Section B - Supplies or Services and Prices

ITEM NO SUPPLIES/SERVICES MAX UNIT **UNIT PRICE** MAX AMOUNT **QUANTITY** 0014 UNDEFINED Cost UNDEFINED EXERCISED \$47,051.00 Engineering Electromagnetic Support OPTION CPIF

Electromagnetic Spectrum Engineering/E3 Analysis and support as specified in the Performance Work Statement (T3701). The contractor's proposal titled "Special Projects 1A EMC Support" dated 04 April 2014 is incorporated by reference.

Fee Percentages & Amounts:

Minimum
Target
Maximum

Period of Performance: May 01 2015 through April 30 2016

FOB: Destination

PURCHASE REQUEST NUMBER: DOSMC50078

TARGET COST

TARGET FEE

TOTAL TGT COST + FEE

MINIMUM FEE

MAXIMUM FEE

SHARE RATIO ABOVE TARGET

SHARE RATIO BELOW TARGET

HC1047-07-D-0001 0990 Page 3 of 13

\$0.00

\$0.00

ITEM NO SUPPLIES/SERVICES MAX UNIT UNIT PRICE MAX AMOUNT QUANTITY

001401 UNDEFINED UNDEFINED \$0.00

Cost Funding CLIN 0014

**CPIF** 

The purpose of this SUBCLIN is to provide cost funding for CLIN 0014 (DOSMC50078).

FOB: Destination

TARGET COST UNDEFINED
TARGET FEE UNDEFINED

TOTAL TGT COST + FEE

MINIMUM FEE \$0.00

SHARE RATIO ABOVE TARGET

**MAXIMUM FEE** 

SHARE RATIO BELOW TARGET

ACRN AA

CIN: DOSMC50078001401

ITEM NO SUPPLIES/SERVICES MAX UNIT UNIT PRICE MAX AMOUNT

QUANTITY
001402 UNDEFINED UNDEFINED \$0.00

Fee Funding CLIN 0014

CPIF

The purpose of this SUBCLIN is to provide fee funding for CLIN 0014 (DOSMC50078).

FOB: Destination

TARGET COST UNDEFINED

TARGET FEE UNDEFINED \$0.00

TOTAL TGT COST + FEE

MINIMUM FEE \$0.00

MAXIMUM FEE \$0.00

SHARE RATIO ABOVE TARGET

SHARE RATIO BELOW TARGET

ACRN AA

CIN: DOSMC50078001402

**ITEM NO** 

SUPPLIES/SERVICES

**CPIF** 

MAX QUANTITY UNIT

**UNIT PRICE** 

MAX AMOUNT

1014 OPTION

UNDEFINED Engineering Electromagnetic Support

Cost

UNDEFINED

P.

Electromagnetic Spectrum Engineering/E3 Analysis and support as specified in the Performance Work Statement (T3701). The contractor's proposal titled "Special Projects 1A EMC Support" dated 04 April 2014 is incorporated by reference.

Fee Percentages & Amounts:

Minimum
Target
Maximum

Period of Performance: May 01 2016 through September 21 2016

FOB: Destination

TARGET COST

TARGET FEE

TOTAL TGT COST + FEE

MINIMUM FEE

MAXIMUM FEE

SHARE RATIO ABOVE TARGET

SHARE RATIO BELOW TARGET

£44.200.00

\$44,298.00

0.

### Section C - Descriptions and Specifications

### PERFORMANCE WORK STATEMENT (PWS) SPONSOR PROGRAM As of 10 March 2014

Contract Number:	HC1047-07-D-0001	
JSC Tracking Number:	T3701	
Task Order Number:	0990	
Type of Task	Cost Plus Incentive Fee	(Check one box)
Order	Firm Fixed Price	(Double click on a box to check it.)
Key Words	E3, SM, EMC	

- 1. Contracting Officer Representative (COR).
- a. Primary COR.

Name:	86
Organization:	DISA/DSO/JSC/J3
Department of Defense Activity Address Code (DODAAC):	H98294
Address:	2004 Turbot Landing, Annapolis, MD 21402
Phone Number:	R6
Fax Number:	
E-Mail Address:	&

#### b. Alternate COR.

Name:	86
Organization:	DISA/DSO/JSC/J3
DODAAC:	H98294
Address:	2004 Turbot Landing, Annapolis, MD 21402
Phone Number:	A 6
Fax Number:	, p
E-Mail Address:	&C

- 2. Task Order (TO) or Contract Title. Special Projects 1A EMC Support
- 3. <u>Background</u>. The Joint Spectrum Center (JSC) has been requested to provide electromagnetic interference resolution and measurement support for the sponsor on an ad-hoc basis.
- 4. <u>Objectives</u>: Provide electromagnetic interference resolution and measurement support to the project sponsor and their contractors on an as-needed basis.
- 5. <u>Scope</u>. This PWS addresses tasking to be performed by the Electromagnetic Spectrum Engineering Services (ESES) contractor in the areas of:
  - Operational Spectrum Support deploying qualified spectrum managers in support of Combatant Command (CCMD) or Joint Task Force (JTF) contingencies; deploying technical experts to take field measurements and analyze incidents of electromagnetic interference (EMI), determine causes, and

recommend methods of resolution; and developing, operating, and maintaining DoD's standard spectrum

- Electromagnetic Environmental Effects (E3) and Spectrum Engineering coordinating electromagnetic compatibility (EMC) standards; analyzing equipment and systems for potential E3 problems and recommending solutions; performing radio frequency (RF) measurements; developing and conducting E3 training; assisting the acquisition community by assessing E3; determining operational frequency bands; and providing assistance in acquiring host nation approval for equipment operation.
- 6. Performance Requirements. This PWS addresses the requirements for Special Projects 1A EMC Support. Support will include but is not limited to the following:
  - Provide frequency assignment and equipment characteristics data for a wide variety of domestic and foreign RF communications and radar systems from JSC and intelligence community sources, to be used by Perform EMC analyses

  - Perform propagation analyses and generate graphical representations of signal levels
  - Provide measurement and analysis support in mitigating and resolving RF interference to and from sponsor

Deliverables: EMC products including frequency assignment and equipment characteristic data products on CD/DVD, RF propagation products, and RF interference resolution reports as needed.

7. Performance Standards. The base contract Quality Assurance Surveillance Plan is incorporated by reference.

Performance Standard	Acceptable Quality Level (AQL)	Method of
EMC Products	Technical Requirements: Percentage of technical requirements contained in the PWS that were met by the contractor. In addition, the deliverable must be complete and free from major technical errors before being accepted by the government. Meeting 90% of the requirements and being complete and free of major technical errors is an AQL.	Routine inspection o delivered product.

8. <u>Incentives</u>. The TO incentive fee will be composed of technical, schedule, and cost performance elements. Technical and schedule performance will each be worth 40% of the total fee. Cost performance will make up the

Technical. Technical Performance will be evaluated on a scale of 1 to 5, according to how well the contractor meets the desired performance thresholds. An overall technical quality score of satisfactory (3.00) equates to the technical performance earning the target fee An overall unsatisfactory technical quality score (1.00) equates to earning the minimum technical performance fee An overall exceptional technical quality score (5.00) equates to earning the maximum technical performance fee associated percentage fee earned is presented in the following table. The range of performance scores and the

	core		Done	4 C
Min	Max	Performance		nt Fee
1.00	1.49	Unsatisfactory	Min	Max
1.50	2.49	Clisatistactory		
2.50	3.49	Marginal	F	
3.50	4.49	Satisfactory		
4.50	5.00	Very Good		
	2.00	Exceptional		

Schedule. Task Order deliverables provided to the government within three days of the delivery date will be rated satisfactory and earn the target fee for schedule performance. Deliverables provided more than 10 days late will be

rated unsatisfactory and earn the minimum schedule performance fee. Deliverables provided more than 10 days early will be rated exceptional and earn the maximum schedule fee.

Cost. Cost at target amount earns the target cost performance fee. Cost above, or below, the target amount will cause the cost performance fee to be proportionally increased or decreased by for each dollar of variance. Cost performance fee cannot vary below the minimum or above the maximum amounts.

9. <u>Place of Performance</u>. The primary place of performance will be the JSC government facility, 2004 Turbot Landing Annapolis, MD, with occasional travel in support of the individual tasks. All non-local travel shall be planned and conducted in support of the individual tasks contained in the TO. Written approval by the COR is required before non-local travel is conducted.

Alternate Place of Performance - Contingency Only. Contractor employees may be required to work at home, another approved activity within the local travel area or at the contractor's facility in cases of unforeseen conditions or contingencies (e.g., pandemic conditions, exercises, etc.). Any equipment such as laptops or phones provided to Contractor personnel shall be returned at the termination of the engagement or at another time mutually agreeable to both parties. COR approval is required. Contractor shall prepare all deliverables and other contract documentation utilizing contractor resources. To the extent possible, the contractor shall use best efforts to provide the same level of support as stated in the SOW/PWS. In the event the services are impacted, reduced, compromised, etc., the Contracting Officer or the contractor may request an equitable adjustment.

10. <u>Period of Performance</u>. The period of performance will be 12 months from the start of this TO with two 12 month options. While these can be consecutive 12 month periods, the government reserves the right to exercise options at any point in the period of performance.

As directed by the COR, the contractor shall continue performance in emergency or mission essential conditions. Additionally, the contractor may be required to account for the whereabouts of their personnel should this information be requested by the COR.

### 11. Delivery Schedule.

SOW Task#	Deliverable Title	Format	Due Date	Distribution Copies	Frequency
6	EMC Products	Determined by sponsor	Daily/As required	JSC J3	and Remarks  Daily/As

- 12. <u>Security</u>. Work performed under this TO will include the following classifications of work: UNCLASSIFIED, PROPRIETORY, FOR OFFICIAL USE ONLY, CONFIDENTIAL, SECRET, TOP SECRET, TOP SECRET/SCI. A TOP SECRET/SCI clearance shall be required to perform daily duties. Periodic meetings shall be held where individuals are often required to share data and gather information in a classified environment.
- 13. Government-Furnished Equipment (GFE)/Government-Furnished Information (GFI). The DSO will provide any GFI necessary to perform daily duties within the limitation of the contract and DoD security guidelines. The DSO will also provide historical project files and reports if available. The DSO reserves the right to restrict GFI in support of national security and DoD interests. In the event Government Furnished Property (GFP) is provided, it will be delivered to the DSO upon final completion of this project.
- 14. Other Pertinent Information or Special Considerations.
- a. <u>Identification of Possible Follow-on Work</u>. The requirement for follow-on work will be addressed with a modification to this TO PWS or the issuance of a new PWS, at the discretion of the JSC.

- b. <u>Identification of Potential Conflicts of Interest (COI)</u>. The contractor shall identify any possible organizational conflict of interest (OCI) as defined in Subpart 9.5 of the Federal Acquisition Regulation. If there is an OCI, the contractor must inform the Contracting Officer and COR and provide an OCI Mitigation Plan that identifies how the OCI is to be mitigated.
  - c. <u>Identification of Non-Disclosure Requirements</u>. Not Applicable
  - d. Packaging, Packing and Shipping Instructions. Not Applicable, provided in the base contract.
  - e. Inspection and Acceptance Criteria. Not Applicable, provided in the base contract.
  - f. Property Accountability. Not Applicable
- 15. Section 508 Accessibility Standards. Not Applicable
- 16. External Support. Not Applicable
- 17. <u>Software Purchase</u>. Any software to be purchased to be used on DISANet as a result of the implementation of this PWS shall be approved by the DSO Production Configuration Control Board (CCB) prior to the purchase. Requests shall be submitted not later than 10 business days prior to the intended purchase date. No software purchases may be made without the expressed approval by the DSO Production CCB. The content of this request shall include:

Software Vendor
Software Product/Version
Software Domain (e.g., Government off the Shelf, Commercial off the Shelf, Public Domain)
Software Function
DSO Organization: Division and Branch
Task Order Number
Task Monitor
Vendor Point of Contact Information
License type, Number of licenses
Estimated and Final License cost

All Software purchases that will not be used on DISANet will be validated and approved by the JSC J3 or the COR of this PWS.

18. Pricing Information. Information to be provided by the contractor. Each task must be individually priced to include total labor hours, labor hours and cost broken out by labor categories, travel, purchases, etc.

### Section E - Inspection and Acceptance

### INSPECTION AND ACCEPTANCE TERMS

### Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	<b>INSPECT BY</b>	ACCEPT AT	ACCEPT BY
0014	Destination	Government	Destination	Government
001401	N/A	N/A	N/A	Government
001402	N/A	N/A	N/A	Government
1014	Destination	Government	Destination	Government

### Section F - Deliveries or Performance

### **DELIVERY INFORMATION**

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0014	POP 01-MAY-2015 TO 30-APR-2016	N/A	DISA JOINT SPECTRUM CENTER  86 2104 TURBOT LANDING ANNAPOLIS MD 21402-5064  66 FOB: Destination	Н98294
001401	N/A	N/A	N/A	N/A
001402	N/A	N/A	N/A	N/A
1014	POP 01-MAY-2016 TO 21-SEP-2016	N/A	DISA JOINT SPECTRUM CENTER  (S)  2104 TURBOT LANDING  ANNAPOLIS MD 21402-5064  (S)  FOB: Destination	Н98294

#### Section G - Contract Administration Data

#### ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930.5F20 000 C1013 0 068142 2F 255020 DOSMC50078

AMOUNT: \$43,554.01

CIN DOSMC50078001401:

CIN DOSMC50078001402:

### CLAUSES INCORPORATED BY FULL TEXT

52.204-9000 Points of Contact (AUG 2005)

Contracting Officer

Name:

BL

Organization/Office Symbol: PL63

Phone No.:

E-Mail Address 15

Contract Specialist

Name: 66

Organization/Office Symbol: PL63

Phone No.:

156

E-Mail Address:

Customer/COR/TM Point of Contact

Name:

Organization/Office Symbol: DISA/Defense Spectrum Organization (DSO) JSC/J3

Phone No.:

E-Mail Address:

Contractor Point of Contact

Contractor Legal Business Name: ITT

DUNS: 083655498 CAGE CODE: 9M715

Contractor POC:

Anne Hasselbrack

E-Mail Address: anne.hasselbrack@exelisinc.com

Phone Number: 301.867.2985

Technical POC:

Michael Hayes

E-mail: Michael.hayes@exelisinc.com

Phone Number: 301.867.2956

(End of clause)

#### Section I - Contract Clauses

#### CLAUSES INCORPORATED BY REFERENCE

52.217-8	Option To Extend Services	NOV 1999
52.217-9	Option To Extend The Term Of The Contract	MAR 2000
52.232-20	Limitation Of Cost	APR 1984
52.232-22	Limitation Of Funds	APR 1984

#### CLAUSES INCORPORATED BY FULL TEXT

#### 252.232-7006 WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS (MAY 2013)

(a) Definitions. As used in this clause--

Department of Defense Activity Address Code (DoDAAC) is a six position code that uniquely identifies a unit, activity, or organization.

Document type means the type of payment request or receiving report available for creation in Wide Area WorkFlow (WAWF).

Local processing office (LPO) is the office responsible for payment certification when payment certification is done external to the entitlement system.

- (b) Electronic invoicing. The WAWF system is the method to electronically process vendor payment requests and receiving reports, as authorized by DFARS 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports.
- (c) WAWF access. To access WAWF, the Contractor shall--
- (1) Have a designated electronic business point of contact in the System for Award Management at https://www.acquisition.gov; and
- (2) Be registered to use WAWF at https://wawf.eb.mil/ following the step-by-step procedures for self-registration available at this Web site.
- (d) WAWF training. The Contractor should follow the training instructions of the WAWF Web-Based Training Course and use the Practice Training Site before submitting payment requests through WAWF. Both can be accessed by selecting the "Web Based Training" link on the WAWF home page at https://wawf.eb.mil/.
- (e) WAWF methods of document submission. Document submissions may be via Web entry, Electronic Data Interchange, or File Transfer Protocol.
- (f) WAWF payment instructions. The Contractor must use the following information when submitting payment requests and receiving reports in WAWF for this contract/order:
- (1) Document type. The Contractor shall use the following document type(s). Invoice.
- (2) Inspection/acceptance location. The Contractor shall select the following inspection/acceptance location(s) in WAWF, as specified by the contracting officer.

  Not applicable.

(3) Document routing. The Contractor shall use the information in the Routing Data Table below only to fill in applicable fields in WAWF when creating payment requests and receiving reports in the system.

### Routing Data Table

Field Name in WAWF	Data to be entered in WAWF
Pay Official DoDAAC	HQ0131
Issue By DoDAAC	HC1047
Admin DoDAAC	HC1047
Inspect By DoDAAC	H98294
Ship To Code	H98294
Ship From Code	· · · · · · · · · · · · · · · · · · ·
Mark For Code	
Service Approver (DoDAAC)	H98294
Service Acceptor (DoDAAC)	H98294
Accept at Other DoDAAC	1170274
LPO DoDAAC	
DCAA Auditor DoDAAC	Andreas States
Other DoDAAC(s)	
~~/	The second

- (4) Payment request and supporting documentation. The Contractor shall ensure a payment request includes appropriate contract line item and subline item descriptions of the work performed or supplies delivered, unit price/cost per unit, fee (if applicable), and all relevant back-up documentation, as defined in DFARS Appendix F, (e.g. timesheets) in support of each payment request.
- (5) WAWF email notifications. The Contractor shall enter the email address identified below in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system.

Name:

E-mail: BC

(g) WAWF point of contact. (1) The Contractor may obtain clarification regarding invoicing in WAWF from the following contracting activity's WAWF point of contact.