

BT UNCLAS

SUBJ: CIRCUIT DEMAND

A. TYPE ACTION: START

1. PURPOSE: PROVISION OF PERMANENT CIRCUIT

B. ALLA 662739

C. TSP AUTHORIZATION CODE/RESTORATION CODE: STANDARD/R3

D. DEMANDER'S CODE: 251600

E. SERVICE DATE: 15 OCT 12 (SOONER IF POSSIBLE)

F. TYPE OF CIRCUIT: STM-16

1. BANDWIDTH/DATA RATE: 2.5 GB

2. SIGNALING: NO SIGNALING

G. LOCATION OF TERMINATION A: RAF CROUGHTON, UK

1. ADDRESS:

RAF CROUGHTON, BLDG 30 BRACKLEY NORTH ANTS NN13 5NQ UNITED KINGDOM

2. ROOM: 75

H. LOCAL PART A:

1. EXTENSION OF TELECOMMUNICATIONS SERVICE: ALL FACILITIES BETWEEN VENDOR'S/TP'S COMMERCIAL COMMUNICATIONS INTERFACE POINT AND TERMINATION LOCATION SHALL BE PROVIDED BY THE VENDOR/TP. ALL CABLES

SHALL BE RUN IN ACCORDANCE WITH LOCAL SITE STANDARDS.

- 2. INTERFACE: SM FIBER / SC CONNECTORS
- 3. UNIQUE INSTALLATION FACTORS: NONE
- 4. CONTACT: CI
 ORG EMAIL:
- I. TERMINATION EQUIPMENT A: SYCAMORE SN1600 ODXC (UODEUTM010)
- J. LOCATION OF TERMINATION B: CAMP LEMONIER, DJ
- 1. ADDRESS:

BLDG 200

CAMP LEMONIER, DJIBOUTI

2. ROOM: TCF

K. LOCAL PART B:

- 1. EXTENSION OF TELECOMMUNICATIONS SERVICE: ALL FACILITIES BETWEEN VENDOR'S/TP'S COMMERCIAL COMMUNICATIONS INTERFACE POINT AND TERMINATION LOCATION SHALL BE PROVIDED BY THE VENDOR/TP. ALL CABLES SHALL BE RUN IN ACCORDANCE WITH LOCAL SITE STANDARDS.
- 2. INTERFACE: SM FIBER / SC CONNECTORS
- 3. UNIQUE INSTALLATION FACTORS: NONE

- L. TERMINATION EQUIPMENT B: SYCAMORE SN9000 ODXC (UODALMN010)
- **M. TSR:** RE28AUG125902 **TSO:** E22752/36DU0D-01

ADDITIONAL INFORMATION:

- 1. DITCO CSA NUMBER: BTP W 662739
- 2. BASIC AGREEMENT NUMBER: DCA 400-87-0020
- 3. TSR NUMBER: RE28AUG125902
- 4. CCSD: DIYU6P9G
- 5. DIVERSITY REQUIREMENTS: TELECOMMUNICATIONS PROVIDER SERVICE SHALL USE DIFFERENT FACILITIES, ROUTE, AND SUBMARINE CABLE SYSTEM, TERRESTRIAL FIBER AND PATH, AND SHALL BE DIVERSE BETWEEN DIJIBOUTI TO CAPODICHINO STM-16 AU-4 AND DIJIBOUTI TO CROUGHTON STM-16 AU-4 PRIMARY HIGH PROTECTED AVAILABILITY ROUTES. TELECOMMUNICATIONS PROVIDER SERVICE SHALL USE DIFFERENT FACILITIES, ROUTE, SUBMARINE CABLE SYSTEM, TERRESTRIAL FIBER AND PATH FROM THE STM-16 DJIBOUTI CAPODICINO HIGH AVAILABILITY PROTECTED ROUTE AND SHALL BE MINIMUM OF 50 METER DIVERSE AT SITE, LOCAL, NATIONAL, INTERNATIONAL AND AS LONG AS THE DIVERSITY REQUIREMENTS SET FORTH IN THIS DOCUMENT ARE MAINTAINED. PROVIDE SIMPLE DIAGRAM(S) TO SHOW DIVERSITY REQUIREMENTS ARE MET, INCLUDING CABLE HEADS, SUBMARINE CABLE SYSTEM(S) AND DIVERSE PATHS. TELECOMMUNICATION PROVIDERS SHALL PROVIDE A PLAN OF HOW AND WHEN FOR PHYSICAL SITE ACCESS DIVERSITY IF NOT CURRENTLY AVAILABLE.
- 6. LOCATIONS TO BE AVOIDED: TELECOMMUNICATIONS PROVIDER SERVICE SHALL NOT GO THROUGH INDIA, PAKISTAN, IRAN AND SYRIA.

- 7. TRANSMISSION MEDIA TO BE AVOIDED: NONE
- 8. **NETWORKS TO BE AVOIDED:** THE TELECOMMUNICATIONS PROVIDER SHALL NOT USE MPLS SERVICE BETWEEN SDP TO SDP.
- 9. CIRCUIT PARAMETERS:
- (A) CUSTOMER PREMISES EQUIPMENT (CPE)
 REQUIREMENT: ANY AND ALL DIGITAL SERVICE UNITS (DSUS), CUSTOMER
 SERVICE UNITS(CSUS), MODULATOR/DEMODULATORS (MODEMS), NETWORK
 TERMINATION UNITS (NTUS), OR OTHER CUSTOMER PREMISES EQUIPMENT (CPE)
 FURNISHED BY TP FOR THIS SERVICE AT TERMINATION LOCATION A AND B
 SHALL BE OF A RACK-MOUNTED CONFIGURATION, AND NOT A STAND-ALONE
 CONFIGURATION. IN THE EVENT TP DOES NOT HAVE EXISTING POWERED RACK
 SPACE AND/OR AVAILABLE CARD SLOTS IN CPE CAGES, CHASSIS, OR NESTS,
 TP SHALL PROVIDE AND INSTALL ALL RACKS AND/OR CPE CAGES, CHASSIS, OR
 NESTS REQUIRED TO SUPPORT THIS SERVICE. CHARGES FOR SUCH HARDWARE
 AND ASSOCIATED INSTALLATION ARE TO BE INCLUDED IN THE TP'S
 NON-RECURRING CHARGE FOR THIS SERVICE. ALL TP PROVIDED RACKS AND/OR
 CPE CAGES, CHASSIS, OR NESTS INSTALLED TO SUPPORT THIS SERVICE SHALL
 BE UTILIZED EXCLUSIVELY FOR TELECOMMUNICATION SERVICES CONTRACTED BY
 A DITCO CONTRACTING OFFICE.
- (B) NETWORK OPERATION CENTER: TELECOMMUNICATION PROVIDER (TP) SHALL MAINTAIN A NETWORK OPERATION CENTER THAT OPERATES 24 HOURS A DAY/7 DAYS A WEEK TO RECEIVE OUTAGE REPORTS, DISPATCH RESTORAL PERSONNEL, AND PROVIDE RESTORAL STATUS. TP MUST PROVIDE TOLL-FREE PHONE NUMBER FOR USE BY GOVERNMENT TO CONTACT ITS NETWORK CONTROL CENTER, OR NETWORK CONTROL CENTER MUST ACCEPT COLLECT CALLS FROM GOVERNMENT.
- TP PERSONNEL RECEIVING GOVERNMENT OUTAGE REPORTS AND PROVIDING RESTORAL STATUS MUST UNDERSTAND, SPEAK, AND WRITE ENGLISH.
- (C) RESTORAL/MAINTENANCE: 24/7. TELECOMMUNICATION PROVIDER (TP) SHALL PROVIDE 24 HOUR A DAY/7 DAY A WEEK SERVICE RESTORAL AND MAINTENANCE. TP RESTORAL/MAINTENANCE SHALL BE INITIATED WITHIN ONE HOUR OF RECEIPT OF GOVERNMENT OUTAGE REPORT, INCLUDING AFTER DUTY HOURS, WEEKENDS, AND HOLIDAYS. MAXIMUM TIME TO REPAIR SHALL BE 8 HOURS. TP RESTORAL/ MAINTENANCE PERSONNEL THAT HAVE DIRECT INTERFACE WITH GOVERNMENT PERSONNEL AT SERVICE LOCATIONS MUST UNDERSTAND, SPEAK, AND WRITE ENGLISH.
- (D) THE TELECOMMUNICATIONS PROVIDER SHALL PROVIDE HIGH SPEED SYNCHRONOUS DIGITAL HIERARCHY (SDH) / SYNCHRONOUS TRANSPORT MODULE STM-16 AU4, HIGH AVAILABILITY PROTECTED SERVICE IN ACCORDANCE WITH ITU-T G.707/Y.1322 DATED 01/2007. SERVICE SHALL BE BETWEEN A DISN SERVICE DELIVERY POINT AT CAMP LEMONIER, DJIBOUTI AND A DISN ODXC AT RAF CROUGHTON, UK.
- (1) TELECOMMUNICATIONS PROVIDER AVAILABILITY SHALL BE 99.995% OR GREATER MEASURED OVER A MOVING 30-DAY AVERAGE. OUTAGE CREDITS SHALL BE DUE THE GOVERNMENT AS PER TERMS IN THE CURRENT DITCO BASIC AGREEMENT. IF THE TELECOMMUNICATIONS PROVIDER HAS NOT EXECUTED A CURRENT DITCO BASIC AGREEMENT, THEN PROVISION FOR OUTAGE CREDITS.
- (2)THE TELECOMMUNICATIONS PROVIDER SERVICE SHALL SUPPORT AU4 CHANNELS IAW ITU-T G.707 BETWEEN THE TWO SERVICE DELIVERY POINTS (SDP). ALL CONTAINERS OF THIS SERVICE SHALL BE END-TO-END WITHIN A SINGLE STM-16. AS MINIMUM THE SERVICE SHALL SUPPORT: STM-16 AU4 STRUCTURE:
 - (A) 16 AU-4 TS 1 TO 16 16 EACH VC-4 CONTAINERS
 - (B) MODIFICATION OF THE CONTAINER STRUCTURE MAY BE REQUESTED BY DISA, AND SHALL BE IMPLEMENTED BY THE VENDOR WITHIN 45 DAYS OF

NOTIFICATION.

- (3) TELECOMMUNICATIONS PROVIDER SDH AU-4 CONTAINERS AND C2, B3, F2, F3, AND K3 OVERHEAD BYTES SHALL BE TRANSPARENT END-TO-END WITHOUT MODIFICATION OR MONITORING.
- (4) THE TELECOMMUNICATIONS PROVIDER SDP OPTICAL INTERFACES SHALL BE IN ACCORDANCE WITH ITU-T RECOMMENDATION G.957 USING INTERMEDIATE DISTANCE. PROVIDER INTERFACE SHALL TRANSMIT BETWEEN ZERO AND NEGATIVE FIVE DBM. FOR SURVIVABILITY AND DIVERSITY, WHERE THERE ARE TWO OR MORE CIRCUITS THE PROVIDER SHALL DISPERSE REQUIREMENTS OVER TWO OR MORE MODULES/CARDS.
- (5) TELECOMMUNICATIONS PROVIDER CIRCUIT PERFORMANCE SHALL BE IN ACCORDANCE WITH ITU STANDARD G.828.
- (6)TIMING AND SYNCHRONIZATION [ITU-T G.811]: SYSTEM TIMING SHALL CONFORM TO ITU-T RECOMMENDATION G.811 AND THE TELECOMMUNICATIONS PROVIDER SHALL BE RESPONSIBLE FOR PROVIDING ANY NECESSARY TIMING, BUFFERING IN THE SYSTEM FOR PROPER INTERFACING OF DIGITAL DATA AT THE GOVERNMENT DEMARCATION POINT.
- (7) THE US GOVERNMENT WILL NOT PROVIDE ANY BUFFERING AND WILL TIME ITS DEVICES USING STRATUM-1 CLOCKS.
- (8) ${
 m KG-340}$ ENCRYPTION DEVICES WILL BE PROVIDED BY GOVERNMENT AT BOTH ENDS OF THE CIRCUIT AND WILL BE MANAGED BY THE GOVERNMENT.
- (9) THE TELECOMMUNICATIONS PROVIDER SHALL
 PROVIDE IN ELECTRONIC FORM. ACCEPTABLE FORMATS ARE MICROSOFT
 OFFICE (POWERPOINT, WORD, AND EXCEL), VISIO, AUTOCAD AND ADOBE
 PDF. DOCUMENTATION SHALL INCLUDE PATH LAYOUT, AT A SUFFICIENT
 LEVEL OF DETAIL TO IDENTIFY EACH CENTRAL OFFICE OR SWITCHING
 STATIONS, CABLE HEADS, CABLE STATIONS, AND THE APPROXIMATE
 PHYSICAL ROUTE FOR THE TERRESTRIAL SEGMENTS AND THE UNDERSEA
 CABLE SEGMENTS. "INITIAL PATH DOCUMENTATION SHALL BE SUMMITTED WITH THE
 PROPOSAL FOR THE GOVERNMENT TO COMPLETE THE EVALUATION. UPDATED DRAWINGS
 MAY BE PROVIDED WITHIN 30 DAYS OF AWARD, AND IF THE FINAL PATH
 HAS DEVIATIONS FROM THE INITIAL PATH OCUMENTATION, THEN AS-BUILT
 DOCUMENTATION SHALL BE PROVIDED WITHIN 15 DAYS OF CIRCUIT
 DELIVERY AND AS LONG AS THE DIVERSITY REQUIREMENTS SET FORTH IN
 THIS DOCUMENT ARE MAINTAINED."
- (10) TELECOMMUNICATIONS PROVIDER DEMARK EQUIPMENT SHALL HAVE SEPARATE FEEDS TO 2 SEPARATE POWER SOURCES/BREAKERS TO AVOID A SINGLE POINT OF FAILURE.
- (11) THE TELECOMMUNICATIONS PROVIDER SHALL PROVIDE SDH PROTECTION SWITCHING EQUIPMENT AT GOVERNMENT SDP VIA SINGLE GOVERNMENT CIRCUIT.
- (12) THE TELECOMMUNICATIONS PROVIDER SHALL PROVIDE THE LONG HAUL CIRCUIT NUMBER, LOCAL CIRCUIT IDENTIFIER FOR EACH END LOCATION AND TROUBLE-REPORTING NUMBER TO THE ACCEPTING AUTHORITY PRIOR TO ACCEPTANCE OF SERVICE.
- (13) TELECOMMUNICATIONS PROVIDER IS RESPONSIBLE FOR ALL APPROVALS AND PERMITS TO INCLUDE HOST NATION.
- (14)TELECOMMUNICATIONS PROVIDER LATENCY, MEASURED ROUND-TRIP, SHALL BE LESS THAN 150 MILLISECONDS.

10. TESTING REQUIREMENTS:

(A) THE TELECOMMUNICATIONS PROVIDER SHALL PERFORM A 72-HOUR TEST IN ACCORDANCE WITH ITU STANDARD M.2101. THE TEST SHALL BE END-TO-END USING SEPARATE TEST EQUIPMENT AT EACH END LOCATION. TESTING RESULTS SHALL NOT BE RESET DUE TO SLIPS, SYNC LOSSES, OR ANOMALOUS PERFORMANCE CONDITIONS. THE TESTING ARRANGEMENT SHALL COLLECT AND RECORD ELECTRONICALLY OR PRINTOUT ALL TESTING PERFORMANCE INFORMATION

FOR THE FULL 72 HOUR DURATION OF THE TEST. THE PRINT OUT SHALL CHRONOLOGICALLY LOG ALL ANOMALOUS EVENTS AND CUMULATIVE RESULTS. TELECOMMUNICATIONS PROVIDER SHALL PROVIDE THE FOLLOWING DATA:

- (1) PATH ALLOCATION (%).
- (2) EXPLANATION OF PATH ALLOCATION COMPUTATION.
- (3) S1 LIMIT FOR ERRORED SECONDS (ES) AND SEVERELY ERRORED SECONDS (SES).
- (4) S2 LIMIT FOR ES AND SES.
- (5) BISO LIMIT FOR ES AND SES.
- (6) TOTAL NUMBER OF ES DURING THE 72-HOUR TEST FROM BOTH SITES.
- (7) TOTAL NUMBER OF SES DURING THE $72-\mbox{HOUR}$ TEST FROM BOTH SITES.
- (8) TOTAL NUMBER OF UNAVAILABLE SECONDS (UAS) DURING THE 72-HR EST FROM BOTH SITES.
- (9) THERE SHALL BE LESS THAN 4 PATTERN LOSS AND LOSS OF FRAME EVENTS PER $24-\mathrm{HR}$ OF TEST.
- (10) EVIDENCE THAT ALL AU4 CONTAINERS ARE PASSED TRANSPARENTLY END-TO-END.
- (11) VENDOR TEST EQUIPMENT SHALL BE TIMED FROM LOCAL STRATUM-1 PER LOCATION IAW FINAL CONFIGURATION OF STM CIRCUIT.
- (12) INDIVIDUAL CHANNELS SHALL BE TESTED AS FOLLOWS:
 - A. TS1 (AU-4/VC-4) 72 HRS
 - B. TS2 (AU-4/VC-4) 5-10 MINUTES
 - C. TS3 (AU-4/VC-4) 5-10 MINUTES
 - D. TS4 (AU-4/VC-4) 5-10 MINUTES
 - E. TS5 (AU-4/VC-4) 5-10 MINUTES
 - F. TS6 (AU-4/VC-4) 5-10 MINUTES
 - G. TS7 (AU-4/VC-4) 5-10 MINUTES H. TS8 (AU-4/VC-4) 5-10 MINUTES
 - I. TS9 (AU-4/VC-4) 5-10 MINUTES
 - J. TS10 (AU-4/VC-4) 5-10 MINUTES
 - K. TS11 (AU-4/VC-4) 5-10 MINUTES
 - L. TS12 (AU-4/VC-4) 5-10 MINUTES
 - M. TS13 (AU-4/VC-4) 5-10 MINUTES
 - N. TS14 (AU-4/VC-4) 5-10 MINUTES
 - O. TS15 (AU-4/VC-4) 5-10 MINUTES
 - P. TS16 (AU-4/VC-4) 5-10 MINUTES
 - Q. EACH CONTAINER TO BE TESTED PER ITEMS 1-11 ABOVE.
- (B). THE IDENTIFICATION OF THE POH FUNCTIONS AND FRAMING FOR STM-N SERVICES SHALL BE IN ACCORDANCE WITH ITU G.707. FOR EXAMPLE FOLLOWING OVERHEAD BYTES C2, F2, F3, H4 AND K3 SHALL BE AVAILABLE FOR CUSTOMER (USG). ALL THESE BYTES ARE DEFINED FOR USE BY PATH TERMINATION EQUIPMENT. THE TELECOMMUNICATIONS PROVIDER SHALL PROVIDE EVIDENCE THAT THESE BYTES ARE PASSED TRANSPARENTLY VIA EACH AU4/VC4 CONTAINER PATH (TS1, TS2, TO TSX) AND PROVIDE SCREENSHOTS OF THE TRANSMIT AND RECEIVED OVERHEAD BYTES AT LOCATION A AND B, AS FOLLOWS:
 - A. SITE A TX VALUES
 - (1) C2 = 10
 - (2) F2 = 08
 - (3) H4 = 06
 - (4) F3 = 04
 - (5) K3 = 02
 - B. SITE A TX VALUES
 - (1) C2 = 13

- (2) F2 = 11
- (3) H4 = 09
- (4) F3 = 07
- (5) K3 = 05

(B). TEST D

IL AT THE FOLLOWING

AND

L RECEIPT OF THIS DATA AND VERIFICATION BY THE GOVERNMENT THAT THE TEST DATA SHOWS THAT THE PERFORMANCE CRITERIA ARE MET, AND PATH ROUTING DOCUMENTATION HAS BEEN PROVIDED.

- (C). IF THE CIRCUIT PERFORMANCE FAILS TO MEET THE REQUIREMENTS, THE TELECOMMUNICATIONS PROVIDER SHALL IDENTIFY CAUSE OF THE FAILURE, CORRECT FAILURE, AND THE VENDER SHALL RESUME TESTING PRIOR TO ACCEPTANCE BY US GOVERNMENT.
- (D) 24 HOUR GOVERNMENT END TO END TEST IAW DISAC 300-175-9 WILL BE COMPLETED PRIOR TO ACTIVATION OF TRUNK.
- (E) TELECOMMUNICATIONS PROVIDER LATENCY, MEASURED ROUND-TRIP, SHALL BE LESS THAN 150 MILLISECONDS.

CCEPTANCE ACTIVITY: CCO RAFCGHTN/UK/TCF/

UIREMENTS: TELECOMMUNICATIONS PROVIDER SHALL COORDINATE SITE

VISIT WITH SITE POCS A MINIMUM OF 72 HOURS BEFORE REQUIRING ACCESS TO

FACILITIES AT EITHER GOVERNMENT LOCATION.

13. STANDARD PROVISIONS: STANDARD PROVISION - TWO VENDOR/TELECOMMUNICATIONS PROVIDER ACKNOWLEDGEMENT (JULY 2009)

VENDOR/TELECOMMUNICATIONS PROVIDER (TP) ACKNOWLEDGES IT HAS READ AND UNDERSTANDS THE CURRENT PUBLISHED VERSION OF THE "ACQUISITION DESKBOOK INQUIRY/QUOTE/ORDER" AVAILABLE THROUGH THE DITCO CONTRACTING OPPORTUNITIES WEB SITE.

STANDARD PROVISION - TWENTY-SEVEN APPROVALS AND PERMITS (JULY 2009)

VENDOR/TELECOMMUNICATIONS PROVIDER (TP) RECEIVING THIS CONTRACT SHALL BE RESPONSIBLE FOR HAVING OR OBTAINING ALL APPROVALS AND PERMITS NECESSARY TO PROVIDE THIS SERVICE. INABILITY OF VENDOR/TP TO OBTAIN ANY SUCH APPROVAL OR PERMIT SHALL NOT BE A VALID BASIS FOR NOT MEETING SERVICE DATE OR PROVIDING SERVICE. FAILURE OF A VENDOR/TP TO OBTAIN ANY APPROVAL OR PERMIT NECESSARY TO PROVIDE THIS SERVICE MAY RESULT IN TERMINATION OF THIS CONTRACT BY U.S. GOVERNMENT FOR DEFAULT AT NO COST TO U.S. GOVERNMENT AND/OR RECEIPT OF A NEGATIVE PAST PERFORMANCE RATING.

STANDARD PROVISION - THIRTY
CONTRACT PERIOD-INDEFINITE TERM (JULY 2010)

CONTRACT FOR THIS TELECOMMUNICATIONS SERVICE SHALL BE AN INDEFINITE TERM CONTRACT WITH AN ESTIMATED CONTRACT

PERIOD OF 60 MONTHS. HOWEVER, THIS CONTRACT PERIOD IS NOT GUARANTEED. MINIMUM SERVICE PERIOD SHALL BE 12 MONTH(S). ACCORDINGLY, AFTER MEETING MINIMUM SERVICE PERIOD, U.S. GOVERNMENT MAY DISCONTINUE SERVICE, AT NO ADDITIONAL COST TO U.S. GOVERNMENT. U.S. GOVERNMENT WILL PROVIDE VENDOR/TELECOMMUNICATIONS PROVIDER (TP) 30 DAYS NOTICE PRIOR TO DISCONTINUING SERVICE.

STANDARD PROVISION - THIRTY-THREE COMPLETION NOTICE - DITCO EUROPE/SEMBACH (JULY 2010)

VENDOR/TELECOMMUNICATIONS PROVIDER (TP) SHALL PROVIDE A COMPLETION NOTICE TO DITCO WITHIN 72 HOURS OF DELIVERING SERVICE TO U.S. GOVERNMENT ACCEPTANCE ACTIVITY. DITCO EUROPE/SEMBACH'S PREFERRED METHOD OF RECEIVING COMPLETION NOTICES IS VIA E-MAIL

AT

FOLLOWING INFORMATION: (1) DITCO CSA NUMBER,

- (2) DITCO TSR NUMBER, (3) TYPE OF ACTION,
- (4) CONTRACTED SERVICE DATE,
- (5) DATE SERVICE WAS DELIVERED TO AND ACCEPTED BY U.S. GOVERNMENT ACCEPTANCE ACTIVITY; (6) COMMERCIAL CIRCUIT IDENTIFIER OR PHONE NUMBER;
- (7) VENDOR'S/TP'S TROUBLE REPORTING NUMBER; (8) VENDOR BILL DATE; (9) A LISTING OF ANY EQUIPMENT INSTALLED ON GOVERNMENT PREMISES BY LOCATION AND ANY DEVIATIONS FROM SERVICE ORDERED; (10) NAME, PHONE NUMBER, AND E-MAIL ADDRESS OF U.S. GOVERNMENT REPRESENTATIVE THAT ACCEPTED SERVICE; AND (11) VENDOR/TP POC NAME, PHONE NUMBER, AND E-MAIL ADDRESS. UNLESS DEVIATIONS ARE IDENTIFIED, COMPLETION NOTICE WILL SERVE AS VENDOR'S/TP'S CONFIRMATION THAT SERVICE WAS PROVIDED IN ACCORDANCE WITH CONTRACT. A FOLLOW-UP COMPLETION NOTICE WILL BE REQUIRED WHEN DEVIATIONS ARE CLEARED. FAILURE OF VENDOR/TP TO PROVIDE COMPLETION NOTICE MAY RESULT IN DELAY IN INVOICE PAYMENT.

STANDARD PROVISION - THIRTY-SEVEN JEOPARDY NOTICE-WEB (JULY 2009)

VENDOR/TELECOMMUNICATIONS PROVIDER (TP) SHALL IMMEDIATELY PROVIDE A JEOPARDY NOTICE VIA DITCO CONTRACTING OPPORTUNITIES WEB SITE (HTTPS://www.ditco.disa.mil/dcop/public/asp/dcop.asp) PRIOR TO THE CONTRACTED SERVICE DATE AS SOON AS VENDOR/TP BECOMES AWARE CONTRACTED SERVICE DATE MAY NOT BE OR CANNOT BE MET. A JEOPARDY NOTICE MUST INCLUDE FOLLOWING INFORMATION: (1) DITCO CSA NUMBER, (2) TSR NUMBER, (3) CONTRACTED SERVICE DATE, (4) EXPLANATION OF WHY SERVICE DATE MAY NOT BE OR CANNOT BE MET, (5) REVISED SERVICE DATE REQUESTED, AND (6) NAME, PHONE NUMBER, AND EMAIL ADDRESS OF VENDOR/TP REPRESENTATIVE THAT CAN BE CONTACTED FOR ANY QUESTIONS CONCERNING THE JEOPARDY NOTICE.

STANDARD PROVISION - FORTY-ONE SCHEDULED OUTAGES (JULY 2009)

TO ENSURE THIS SERVICE IS AVAILABLE TO SUPPORT

U.S. GOVERNMENT REQUIREMENTS, VENDOR/TELECOMMUNICATIONS PROVIDER (TP) SHALL UTILIZE ALTERNATE OR SPARE FACILITIES WHENEVER POSSIBLE TO ELIMINATE OR MINIMIZE SERVICE INTERRUPTIONS. HOWEVER, WHEN A SCHEDULED SERVICE INTERRUPTION CANNOT BE AVOIDED, VENDOR/TP SHALL OBTAIN THE APPROVAL OF APPROPRIATE APPROVAL AUTHORITY BEFORE INITIATING ANY SCHEDULED OUTAGE. TO OBTAIN SUCH APPROVAL, A WRITTEN "CIRCUIT RELEASE REQUEST" MUST BE SUBMITTED TO APPROPRIATE APPROVAL AUTHORITY AT LEAST 21 CALENDAR DAYS PRIOR TO REQUESTED CIRCUIT RELEASE DATE. WHEN AN INTERRUPTION OF SERVICE IS REQUIRED TO CORRECT HAZARDOUS OR DEGRADED CONDITIONS, A 48-HOUR PRIOR NOTIFICATION IS REQUIRED, IF PRACTICABLE. VENDOR/TP SHALL NOTIFY THE U.S. GOVERNMENT SERVICE ACCEPTANCE ACTIVITY AS SOON AS IT IS KNOWN THAT A SERVICE INTERRUPTION WILL OCCUR. THE REQUEST FROM VENDOR/TP MUST INCLUDE THE SAME INFORMATION AS IDENTIFIED BELOW, AND ADDITIONALLY, IDENTIFY THE HAZARDOUS OR DEGRADED CONDITIONS THAT EXIST WHICH PRECLUDE PROVIDING THE U.S. GOVERNMENT WITH 21-DAY ADVANCE NOTICE.

IN EMERGENCY SITUATIONS, WHEN LOSS OF LIFE OR PROPERTY MIGHT OCCUR THROUGH LACK OF IMMEDIATE ACTION, VENDOR/TP MUST MAKE EVERY REASONABLE ATTEMPT TO NOTIFY THE U.S. GOVERNMENT SERVICE ACCEPTANCE ACTIVITY IDENTIFIED ON THE CSA IMMEDIATELY, AND COORDINATE ARRANGEMENTS FOR THE SERVICE INTERRUPTION TO THE MAXIMUM EXTENT POSSIBLE. WITHIN 5 BUSINESS DAYS OF THE INTERRUPTION, VENDOR/TPMUST SUBMIT THE SAME INFORMATION AS IDENTIFIED BELOW, AND ADDITIONALLY, IDENTIFY THE EMERGENCY CONDITIONS THAT EXISTED WHICH PRECLUDED PROVIDING THE U.S. GOVERNMENT WITH 21-DAY ADVANCE NOTICE.

"CIRCUIT RELEASE REQUEST" MUST INCLUDE FOLLOWING INFORMATION: (1) VENDOR/TP REQUESTING CIRCUIT RELEASE, AND NAME AND PHONE NUMBER OF VENDOR/TP REPRESENTATIVE RESPONSIBLE FOR MANAGING CIRCUIT RELEASE, (2) DITCO CSA NUMBER OF CIRCUIT FOR WHICH RELEASE IS BEING REQUESTED, (3) DATE AND INCLUSIVE TIMES OF SCHEDULED CIRCUIT RELEASE, ALONG WITH AN ALTERNATE CIRCUIT RELEASE DATE AND TIME, (4) PURPOSE OF SCHEDULED CIRCUIT RELEASE, (5) STATEMENT INDICATING ALL EQUIPMENT, PARTS, AND/OR SUPPLIES REQUIRED TO COMPLETE ACTION ARE ON-HAND, OR THEIR EXPECTED DELIVERY DATE, (6) STATEMENT INDICATING THAT ALL AVENUES OF BYPASS CAPABILITY (E.G., ALTERNATE FACILITIES, SPARE FACILITIES, ETC.) HAVE BEEN CONSIDERED, AND (7) ESTIMATED MAXIMUM RECOVERY TIME TO RESTORE CIRCUIT. THE AUTHORITY FOR APPROVING CIRCUIT RELEASES FOR THIS SERVICE IS U.S. GOVERNMENT CCO/CMO. FAILURE OF VENDOR/TP TO OBTAIN AN APPROVED CIRCUIT RELEASE PRIOR TO INITIATING A SCHEDULED OUTAGE MAY RESULT IN U.S. GOVERNMENT TERMINATION OF THIS CONTRACT FOR DEFAULT AT NO COST TO U.S. GOVERNMENT AND/OR RECEIPT OF A NEGATIVE PAST PERFORMANCE RATING.

CONSIDERATION (JULY 2009)

UPON VENDOR/TELECOMMUNICATIONS PROVIDER (TP) CAUSED FAILURE TO PROVIDE TELECOMMUNICATIONS SERVICE BY THE SPECIFIED DATE IN THE CONTRACT, FAILURE TO MAKE PROGRESS AS TO ENDANGER PERFORMANCE BY THAT DATE, OR FAILURE TO COMPLY WITH ANY CONTRACT TERMS OR CONDITIONS; U.S. GOVERNMENT MAY TERMINATE THIS CONTRACT FOR CAUSE PURSUANT TO CONTRACT CLAUSE 52.212-4. HOWEVER, U.S. GOVERNMENT MAY ELECT TO WAIVE ITS RIGHT TO TERMINATE FOR CAUSE AND REQUEST VENDOR/TP TO PROVIDE CONSIDERATION TO U.S. GOVERNMENT IN LIEU THEREOF. CONSIDERATION WILL BE NEGOTIATED ON A CASE-BY-CASE BASIS. IF VENDOR/TP FAILS TO MEET THE SERVICE DATE OR COMPLY WITH ANY CONTRACT TERMS OR CONDITIONS AND U.S. GOVERNMENT ELECTS TO REQUEST CONSIDERATION, VENDOR/TP HEREBY AGREES TO NEGOTIATE IN GOOD FAITH AND PROVIDE SUCH CONSIDERATION. QUOTES, WHICH FAIL TO ACCEPT THIS STANDARD PROVISION, MAY BE EXCLUDED FROM CONSIDERATION FOR AWARD.

STANDARD PROVISION - FORTY-FOUR SYSTEM FOR AWARD MANAGEMENT REGISTRATION (FAR 52.204-99)(DEVIATION) (AUGUST 2012)

- (A) DEFINITIONS. AS USED IN THIS CLAUSE-
- "CENTRAL CONTRACTOR REGISTRATION (CCR) DATABASE" MEANS THE RETIRED PRIMARY GOVERNMENT REPOSITORY FOR CONTRACTOR INFORMATION REQUIRED FOR THE CONDUCT OF BUSINESS WITH THE GOVERNMENT.
- "COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE" MEANS-
- (1) A CODE ASSIGNED BY THE DEFENSE LOGISTICS AGENCY (DLA) LOGISTICS INFORMATION SERVICE TO IDENTIFY A COMMERCIAL OR GOVERNMENT ENTITY; OR
- (2) A CODE ASSIGNED BY A MEMBER OF THE NORTH ATLANTIC TREATY ORGANIZATION THAT DLA RECORDS AND MAINTAINS IN THE CAGE MASTER FILE. THIS TYPE OF CODE IS KNOWN AS AN "NCAGE CODE."
- "DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER" MEANS THE 9-DIGIT NUMBER ASSIGNED BY DUN AND BRADSTREET, INC. (D&B) TO IDENTIFY UNIQUE BUSINESS ENTITIES.
- "DATA UNIVERSAL NUMBERING SYSTEM+4 (DUNS+4) NUMBER" MEANS THE DUNS NUMBER MEANS THE NUMBER ASSIGNED BY D&B PLUS A 4-CHARACTER SUFFIX THAT MAY BE ASSIGNED BY A BUSINESS CONCERN. (D&B HAS NO AFFILIATION WITH THIS 4-CHARACTER SUFFIX.) THIS 4-CHARACTER SUFFIX MAY BE ASSIGNED AT THE DISCRETION OF THE BUSINESS CONCERN TO ESTABLISH ADDITIONAL SAM RECORDS FOR IDENTIFYING ALTERNATIVE ELECTRONIC FUNDS TRANSFER (EFT) ACCOUNTS (SEE THE FAR AT SUBPART 32.11) FOR THE SAME CONCERN.
- "REGISTERED IN THE SAM DATABASE" MEANS THAT-
- (1) THE CONTRACTOR HAS ENTERED ALL MANDATORY INFORMATION, INCLUDING THE DUNS NUMBER OR THE DUNS+4 NUMBER, INTO THE SAM DATABASE;
- (2) THE CONTRACTOR'S CAGE CODE IS IN THE SAM DATABASE; AND
- (3) THE GOVERNMENT HAS VALIDATED ALL MANDATORY DATA FIELDS, TO INCLUDE VALIDATION OF THE TAXPAYER IDENTIFICATION NUMBER (TIN) WITH THE INTERNAL REVENUE SERVICE (IRS), AND HAS MARKED THE RECORD "ACTIVE". THE CONTRACTOR WILL BE REQUIRED TO PROVIDE CONSENT FOR TIN VALIDATION TO THE GOVERNMENT AS A PART OF THE SAM REGISTRATION

PROCESS.

- "SYSTEM FOR AWARD MANAGEMENT (SAM)" MEANS THE PRIMARY GOVERNMENT REPOSITORY FOR PROSPECTIVE FEDERAL AWARDEE INFORMATION AND THE CENTRALIZED GOVERNMENT SYSTEM FOR CERTAIN CONTRACTING, GRANTS, AND OTHER ASSISTANCE RELATED PROCESSES. IT INCLUDES-
- (1) DATA COLLECTED FROM PROSPECTIVE FEDERAL AWARDEES REQUIRED FOR THE CONDUCT OF BUSINESS WITH THE GOVERNMENT;
- (2) PROSPECTIVE CONTRACTOR SUBMITTED ANNUAL REPRESENTATIONS AND CERTIFICATIONS IN ACCORDANCE WITH FAR SUBPART 4.12; AND
- (3) THE LIST OF ALL PARTIES SUSPENDED, PROPOSED FOR DEBARMENT, DEBARRED, DECLARED INELIGIBLE, OR EXCLUDED OR DISQUALIFIED UNDER THE NONPROCUREMENT COMMON RULE BY AGENCIES, GOVERNMENT CORPORATIONS, OR BY THE GOVERNMENT ACCOUNTABILITY OFFICE.
- (B) (1) THE CONTRACTOR SHALL BE REGISTERED IN THE SAM DATABASE PRIOR TO SUBMITTING AN INVOICE AND THROUGH FINAL PAYMENT OF ANY CONTRACT, BASIC AGREEMENT, BASIC ORDERING AGREEMENT, OR BLANKET PURCHASING AGREEMENT RESULTING FROM THIS SOLICITATION.
- (2) THE SAM REGISTRATION SHALL BE FOR THE SAME NAME AND ADDRESS IDENTIFIED ON THE CONTRACT, WITH ITS ASSOCIATED CAGE CODE AND DUNS OR DUNS +4 .
- (3) IF INDICATED BY THE GOVERNMENT DURING PERFORMANCE, REGISTRATION IN AN ALTERNATE SYSTEM MAY BE REQUIRED IN LIEU OF SAM.
- (C) IF THE CONTRACTOR DOES NOT HAVE A DUNS NUMBER, IT SHOULD CONTACT DUN AND BRADSTREET DIRECTLY TO OBTAIN ONE.
- (1) A CONTRACTOR MAY OBTAIN A DUNS NUMBER-
- (I) VIA THE INTERNET AT HTTP://FEDGOV.DNB.COM/WEBFORM OR IF THE CONTRACTOR DOES NOT HAVE INTERNET ACCESS, IT MAY CALL DUN AND BRADSTREET AT 1-866-705-5711 IF LOCATED WITHIN THE UNITED STATES; OR (II) IF LOCATED OUTSIDE THE UNITED STATES, BY CONTACTING THE LOCAL DUN AND BRADSTREET OFFICE. THE CONTRACTOR SHOULD INDICATE THAT IT IS A CONTRACTOR FOR A U.S. GOVERNMENT CONTRACT WHEN CONTACTING THE LOCAL DUN AND BRADSTREET OFFICE.
- (2) THE CONTRACT OR SHOULD BE PREPARED TO PROVIDE THE FOLLOWING INFORMATION:
- (I) COMPANY LEGAL BUSINESS NAME.
- (II) TRADESTYLE, DOING BUSINESS, OR OTHER NAME BY WHICH YOUR ENTITY IS COMMONLY RECOGNIZED.
- (III) COMPANY PHYSICAL STREET ADDRESS, CITY, STATE AND ZIP CODE.
- (IV) COMPANY MAILING ADDRESS, CITY, STATE AND ZIP CODE (IF SEPARATE FROM PHYSICAL).
- (V) COMPANY TELEPHONE NUMBER.
- (VI) DATE THE COMPANY WAS STARTED.
- (VII) NUMBER OF EMPLOYEES AT YOUR LOCATION.
- (VIII) CHIEF EXECUTIVE OFFICER/KEY MANAGER.
- (IX) LINE OF BUSINESS (INDUSTRY).
- (X) COMPANY HEADQUARTERS NAME AND ADDRESS (REPORTING RELATIONSHIP WITHIN YOUR ENTITY) .
- (D) RESERVED.
- (E) PROCESSING TIME FOR REGISTRATION IN SAM, WHICH NORMALLY TAKES FIVE BUSINESS DAYS, SHOULD BE TAKEN INTO CONSIDERATION WHEN REGISTERING. CONTRACTORS WHO ARE NOT ALREADY REGISTERED SHOULD CONSIDER APPLYING FOR REGISTRATION AT LEAST TWO WEEKS PRIOR TO INVOICING.
- (F) THE CONTRACTOR IS RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF THE DATA WITHIN THE SAM DATABASE, AND FOR ANY LIABILITY RESULTING FROM THE GOVERNMENT'S RELIANCE ON INACCURATE OR INCOMPLETE DATA. TO

REMAIN REGISTERED IN THE SAM DATABASE AFTER THE INITIAL REGISTRATION, THE CONTRACTOR IS REQUIRED TO REVIEW AND UPDATE ON AN ANNUAL BASIS FROM THE DATE OF INITIAL REGISTRATION OR SUBSEQUENT UPDATES ITS INFORMATION IN THE SAM DATABASE TO ENSURE IT IS CURRENT, ACCURATE AND COMPLETE. UPDATING INFORMATION IN THE SAM DOES NOT ALTER THE TERMS AND CONDITIONS OF THIS CONTRACT AND IS NOT A SUBSTITUTE FOR A PROPERLY EXECUTED CONTRACTUAL DOCUMENT. (G) (1) (I) IF A CONTRACTOR HAS LEGALLY CHANGED ITS BUSINESS NAME, "DOING BUSINESS AS" NAME, OR DIVISION NAME (WHICHEVER IS SHOWN ON THE CONTRACT), OR HAS TRANSFERRED THE ASSETS USED IN PERFORMING THE CONTRACT, BUT HAS NOT COMPLETED THE NECESSARY REQUIREMENTS REGARDING NOVATION AND CHANGE-OF-NAME AGREEMENTS IN SUBPART 42.12, THE CONTRACTOR SHALL PROVIDE THE RESPONSIBLE CONTRACTING OFFICER SUFFICIENT DOCUMENTATION TO SUPPORT THE LEGALLY CHANGED NAME WITH A MINIMUM OF ONE BUSINESS DAY'S WRITTEN NOTIFICATION OF ITS INTENTION TO-

- (A) CHANGE THE NAME IN THE SAM DATABASE;
- (B) COMPLY WITH THE REQUIREMENTS OF SUBPAR T 42.12 OF THE FAR; AND
- (C) AGREE IN WRITING TO THE TIMELINE AND PROCEDURES SPECIFIED BY THE RESPONSIBLE CONTRACTING OFFICER .
- (II) IF THE CONTRACTOR FAILS TO COMPLY WITH THE REQUIREMENTS OF PARAGRAPH (G) (1) (I) OF THIS CLAUSE, OR FAILS TO PERFORM THE AGREEMENT AT PARAGRAPH (G) (1) (I) (C) OF THIS CLAUSE, AND, IN THE ABSENCE OF A PROPERLY EXECUTED NOVATION OR CHANGE OF NAME AGREEMENT, THE SAM INFORMATION THAT SHOWS THE CONTRACTOR TO BE OTHER THAN THE CONTRACTOR INDICATED IN THE CONTRACT WILL BE CONSIDERED TO BE INCORRECT INFORMATION WITHIN THE MEANING OF THE "SUSPENSION OF PAYMENT" PARAGRAPH OF THE ELECTRONIC FUNDS TRANSFER (EFT) CLAUSE OF THIS CONTRACT.
- (2) THE CONTRACTOR SHALL NOT CHANGE THE NAME OR ADDRESS FOR EFT PAYMENTS OR MANUAL PAYMENTS, AS APPROPRIATE, IN THE SAM RECORD TO REFLECT AN ASSIGNEE FOR THE PURPOSE OF ASSIGNMENT OF CLAIMS (SEE FAR SUBPART 32.8, ASSIGNMENT OF CLAIMS). ASSIGNEES SHALL BE SEPARATELY REGISTERED IN THE SAM DATABASE. INFORMATION PROVIDED TO THE CONTRACTOR'S SAM RECORD THAT INDICATES PAYMENTS, INCLUDING THOSE MADE BY EFT, TO AN ULTIMATE RECIPIENT OTHER THAN THAT CONTRACTOR WILL BE CONSIDERED TO BE INCORRECT INFORMATION WITHIN THE MEANING OF THE "SUSPENSION OF PAYMENT" PARAGRAPH OF THE EFT CLAUSE OF THIS CONTRACT.
- (H) CONTRACTORS MAY OBTAIN INFORMATION ON REGISTRATION AND ANNUAL CONFIRMATION REQUIREMENTS VIA THE SAM ACCESSED THROUGH HTTPS://WWW.ACQUISITION.GOV OR BY CAL LING 866 606-8220, OR 334-206 7828 FOR INTERNATIONAL CALLS.

STANDARD PROVISION - FORTY-SIX ACCEPTANCE OF ORDER/CIRCUIT DEMAND (JULY 2009)

ACCEPTANCE OF THIS ORDER OR CIRCUIT DEMAND IS REQUIRED FROM THE VENDOR/TELECOMMUNICATIONS PROVIDER (TP), PRIOR TO COMMENCEMENT OF WORK. TO ACKNOWLEDGE ACCEPTANCE, A DULY AUTHORIZED VENDOR/TP REPRESENTATIVE MUST SIGN AND DATE A COPY OF THIS ORDER OR CIRCUIT DEMAND AND RETURN A COPY TO DITCO WITHIN FIVE DAYS. FAILURE OF VENDOR/TP TO RETURN A SIGNED AND DATED COPY OF THIS ORDER OR CIRCUIT DEMAND TO DITCO WITHIN THIS PERIOD MAY RESULT IN CANCELLATION OF ORDER OR CIRCUIT DEMAND BY U.S. GOVERNMENT AT NO COST TO U.S. GOVERNMENT, AND ISSUANCE TO ANOTHER

VENDOR/TP.

STANDARD PROVISION - FORTY-SEVEN PAYMENT IN ARREARS-DITCO EUROPE (MARCH 2011)

U.S. GOVERNMENT SHALL PAY VENDOR/TELECOMMUNICATIONS PROVIDER (TP) IN ARREARS, UPON SUBMISSION OF PROPER INVOICES FOR

TELECOMMUNICATIONS SERVICE FURNISHED IN ACCORDANCE WITH THIS ORDER

OR CIRCUIT DEMAND ISSUED B INVOICES SHALL BE SENT TO

PAPER

INVOICES SHALL BE SENT TO INVOICES SHALL BE

SENT TO THE FOLLOWING ADDRESSES.

U.S. VENDORS SUBMIT TO:

DFAS COLUMBUS (HQ0131) C/O DITCO-EUROPE/CFE 84 UNIT 30403 APO, AE 09131

FOREIGN VENDORS SUBMIT TO:

DFAS COLUMBUS (HQ0131)

C/O

DITCO-EUROPE/CFE 84

PATCH BARRACKS

HAUPSTRASSE, BLDG 2341

ATTN: CFE84 70569 STUTTGART

GERMANY

ACHED AT E-MAIL:

- 14. SPECIAL PROVISIONS: NONE
- 15. SITE ACCESS REQUIREMENTS: TP SHALL COORDINATE SITE VISIT WITH SITE POCS BEFORE REQUIRING ACCESS TO FACILITIES AT EITHER GOVERNMENT LOCATION.
- 16. CHARGES:
- (A) NRC: \$90,000.00
- (B) OVERTIME AND EXPEDITING NRC: N/A
- (C) TOTAL NRC: \$90,000.00
- (D) MRC: YR1 \$387,626.00

YR2 \$386,659.00

YR3 \$385,695.00

YR4 \$384,733.00

YR5 \$383,773.00

(E) TOTAL MRC: YR1 \$387,626.00

YR2 \$386,659.00

YR3 \$385,695.00

YR4 \$384,733.00

YR5 \$383,773.00

- 17. DITCO FUND CITE: 97X4930.5F20 000 C1013 0 068142 2F 0110980SCH00 233003
- 18. EXPIRATION DATE: TELECOMMUNICATIONS SERVICE PROVIDED UNDER THIS CONTRACT WILL CONTINUE UNTIL 14 OCT 2017, UNLESS SOONER DISCONTINUED BY TERMINATION OF THIS CONTRACT.
- N. ADDRESS FOR SUBMISSION OF INVOICES: SEE STANDARD PROVISON FORTY-SEVEN ABOVE
- T. TERMINAL A: BRITTISH TELECOM TERMINAL B: BRITISH TELECOM

Z. DITCO CONTACT: G

RM,

BT

T

CONTRACTING OFFICER