NAVAHCS Performance Work Station
Police/Facility Radio System

The Northern Arizona VA Hospital (NAVAHCS) has a requirement for a new turnkey comprehensive radio solution, parts, installations, and base year maintenance contract.

Project Definition and Scope

NAVAHCS requires a vendor to provide and install for Police Service a P25 (Project 25) TIA-102 Series Standards, Phase 1 compliant system per Telecommunications Industry Association (TIA) TR-8 mobile and personal private radio Standards. The remainder of the stations will need to be a Moto-Turbo type radio system Brand Name or Equal. Both systems must be able to communicate with one-another by channel selection or "drop and drag" frequency talk arounds. The Police Service system must be able to include channels for outside agency frequencies which include; Prescott Police Department, Yavapai County Sheriff's Office, Yavapai College Police Department, Yavapai Tribal Police, and others. Police radio communications and telephone communications routing through x2222 must all be recorded. Additionally, the vendor will also provide and install dispatch furniture to meet the needs of the Police Dispatch Center. Neither the P25, Phase 1 or the Moto-Turbo System can utilize the NAVAHCS IT Network and they MUST be installed on an independent system. Vendor will provide all equipment and install. We are also looking for a local presence to provide maintenance support during this year for this telecommunication system:

Systems must allow for frequency integration between the Police P25 System and the alternate Engineering solution (Moto-Turbo) which would enable both frequencies to be dropped into a talk group.

System must be upgradable with Global Positioning System to allow for the "man down" feature.

Vendor shall base pricing on assumption that 100% facility coverage shall be obtained through use of mounted antennae systems.

If in-building repeaters are necessary after system testing, that would be handled as a pre priced CLIN and added through a contract modification. This should be included on the final quote.

There will be no Site visits as part of the procurement process, this should be included in CLIN 0010 for System Design after award.

EXAMPLE COMPONENTS for systems

Line	QTY	Part Number	Description
CLIN 0001		*Position Dispatch Console and Call Recorder-Example below*	
A	1		All-In-One Computer Windows 10, C-Soft 7 installed, with cordless Mouse & Keyboard. (DOES NOT INCLUDE SPEAKERS)
B	2		ADHB-4, Advanced Audio Interface
C	2		C-Soft Version 7, 6-line SOFTWARE, USB
D	2		Dispatch Bose Speaker Set
E	2		Dispatch Premier Gooseneck Mic
F	4		IP-224, network interface from Radio to PC
G	3		Adapter to radio Interface DB37 Kenwood K-X150
H	2		Dual IP-224 Rack Brackets
I	1		AHS-1 Alignment Handset
J	3		Battery Backup UPS 15 mins (for 2 Computer, 1 Equip Rack)

K	1		Rack Mount Power Supply DuraCom 80 Amp, 12VDC
L	1		Rack, Sides enclosed 42"x 19" (47.31" x 22" x 30.75") Black Vented
M	3		19" Rack Mount Shelf with Ventilation
N	1	DSHPJ9782A	HP Procurve 2530-24 Ethernet Switch
O	1		Shop Supplies
P	1		Eventide Network Recorder 16 Lines Basic
Q	2		Remote Headset Box
R	2		Plantronics Dispatch Headset Kit (WIRELESS HEADSETS)

CLIN 0002   ***PD P25 Repeater Example below***

A	1	Z56747	100W CODAN VHF P25 Repeater
B	1	DB224-C	CommScope DB224 6/9dB Antenna
C	1	TPRD1584	Telewave, Inc. - 148-174 Duplexer
	4	1	2 EA. 50' 7/8" FEEDLINE ASSEMBLY WITH GROUNDING AND LIGHTNING ARRESTORS, HARDWARE

CLIN 0003   ***Kenwood Control Stations (Console Interfaced) Brand Name or Equal***

A	3	VM5730BF	VM5000 VHF P25
B	3	KCH-19VM	KCH-19 Dash Desktop
C	3	KCT-23M	DC Cable
D	3	KMB-34	Mounting Case
E	3	KMB-33M	Mounting Bracket
F	3	KPS-15	DC Switching Supply
G	3	8326000002	MDC 1200 Signaling
H	3		Antenna Cable Assembly - Grounding/Arrestor
I	3	ANT150F2	Antenna

CLIN 0004   ***Kenwood VP6230-M2 P25 Portable Radios Brand Name or Equal***

A	35	VP6230	Kenwood VP6230-M2 radio
B	35	KRA-26M2	VHF Helical Antenna
C	70	KNB-L2M	Li-ion 2600mAh Battery
D	35	8322000002	P25 Conventional
E	35	8326000002	MDC1200 Signaling
F	35	KMC-54WDM	SPEAKER MIC MIL-SPEC, IP67, W/ ANR, VP-T/TK
G	35	KSC-32	CHARGER, SINGLE BAY RAPID RATE, VP-T
H	6	KSC-326K	CHARGER, SIX BAY RAPID RATE, VP-T

CLIN 0005   ***Kenwood VM5000 P25 Mobiles Brand Name or Equal***

A	5	VM5730BF	VM5000 VHF P25 Mobile
B	5	KCH-19VM	Dash Mount Option
C	5	KMC-35	Standard Microphone
D	5	KCT-23M	DC Power Cable - 10ft
E	5	KMB-33M	Mobile Mounting Bracket
F	5	8326000002	MDC1200 Signaling
G	5		VHF Mobile Antenna / Cable

CLIN 0006   ***Three Channel VHF Motorola Capacity Plus Trunked System Brand Name or Equal***

A	3	T8319	SLR 8000 Base Radio
B	3	CA02965AA	ADD: VHF (136-174 MHz)

C	3	HKLN4439	Capacity Plus Single Site Digital Trunking
D	3	DSHPJ9782A	HP Procurve 2530-24 Ethernet Switch
E	1	24104-1/P-5	EMR Corporation - 138-225MHz Multicoupler, 4 Channel
F	1	M101-150-3TRM	Telewave, Inc. - 148-174 MHz 3 Channel Combiner
G	2	ASSEMBLY	2 EA. 50' 7/8" FEEDLINE ASSEMBLY WITH GROUNDING AND LIGHTNING ARRESTORS, HARDWARE
H	2	MOUNT	Antenna SO 36"X1-7/8" PIPE
I	1	DR-8092	Bud Industries Inc. - 77" x 19" 24"D Double Equipment Rack, Black
J	2	DB224-C	CommScope DB224 6/9dB Antenna

CLIN 0007		**Portable Radios - Fleet Use Examples below**	
A	80	AAH02JDC9VA1AN	XPR 3300e 136-174 5W NKP WIFI CAPABLE incl. Antenna/Battery/Charger
B	80	AAH02JDH9VA1AN	XPR 3500e 136-174 5W LKP WIFI CAPABLE incl. Antenna/Battery/Charger
C	160	PMNN4491	IMPRES Slim Li-Ion, 2100 mAh battery
D	8	MPN4284	IMPRES 6 pocket, 1 display charger
E	25	PMPN4174	Spare Chargers
F	3	AAM28JQN9WA1AN	XPR 5550e GPS BT/WiFi - CAPABLE
G	3	VHF3DB	3dB VHF Antenna and Cable

CLIN 0008		**Desktop Base Radios**	**Examples below**
A	3	AAM28JQN9WA1AN	XPR 5550e GPS BT/WiFi - CAPABLE
B	3	RMN5050A	LTD DESKTOP MOBILE MIC
C	3	622988135248	Samlex America - Power Supply, XPR5000

CLIN 0009		**Dispatch Furniture**	**Brand Name or Equal**
A	1	QELBRS4242T42	SYNERGY PRO LINEAR BRIDGE (POWER PRIMARY), SINGLE, 42'' DEEP x 42'' WIDE, TACKABLE PANEL, 42'' HIGH
B	1	QELECT42L	SYNERGY PRO LINEAR END CAP (POWER PRIMARY), TACKABLE PANEL, 42'' HIGH, LEFT HAND
C	1	QELECT42R	SYNERGY PRO LINEAR END CAP (POWER PRIMARY), TACKABLE PANEL, 42'' HIGH, RIGHT HAND
D	1	QOD24	SYNERGY OUTSIDE DOOR, 24" WIDE
E	1	QOD42	SYNERGY OUTSIDE DOOR, 42" WIDE
F	2	S18-1091-4248T42	MODIFIED QELPPS, SYNERGY PRO LINEAR POWER PRIMARY, SINGLE, 42'' DEEP x *48"* WIDE, TACKABLE PANEL, 42'' HIGH
G	1	TXXGR1X	MONITOR ARM - GROMMET MOUNT, FIXED HEIGHT, 1ea MONITOR (UP TO 21" - DIRECT)
H	1	TXXGR2-1-1	SYNERGY MONITOR ARM - GROMMET MOUNT, FIXED HEIGHT, 2 ea. MONITORS (UP TO 21" - VERTICAL), NO FOCAL ADJUSTMENT
I	2	TXXGR4-2-2	SYNERGY MONITOR ARM - GROMMET MOUNT, FIXED HEIGHT, 4 ea. MONITORS (UP TO 21" - TWO OVER TWO), NO FOCAL ADJUSTMENT
J	2	TXXTCSKTN	SYNERGY TOTAL COMFORT SYSTEM, NON-HEIGHT ADJUSTABLE PACKAGE, WITH TWO MOBILE (FILTERED) AIR CIRCULATION FANS
K	1	ZSBKDA203026	ZO STORAGE BOOKCASE, ADJUSTABLE SHELF, DOORS, 20''D x 30''W x PACKAGE, WITH TWO MOBILE (FILTERED) AIR CIRCULATION FANS
L	2	ZSBKDA203042	ZO STORAGE BOOKCASE, ADJUSTABLE SHELF, DOORS, 20''D x 30''W x 42''H

NAVAHCS Statement of Work Police/Facility Radio System

CLIN 0010   *System Design and Finalization of specifications*
A   1   Job- Site visit and design- this includes Pre-implementation plan phase

CLIN 0011   *Installation and Project Management*
A   1   Job   Technical Set-up
B   1   Job   Training of NAVAHCS Staff
C   1   Job   Implementation

CLIN 0012   *In Building Repeaters*
A   1 EA   Repeaters
B   1 EA   Installation
C   1 EA   Training/Testing

CLIN 1001   *1yr*   *Software updates 2019*
CLIN 1002   *1 yr*   *Software updates 2020*
CLIN 1003   *1yr*   *Software updates 2021*
CLIN 1004   *1yr*   *Software updates 2022*
CLIN 1005   *1yr*   *Software updates 2023*

CLIN 2000   *Service and Maintenance*
CLIN 2001   *1yr*   *POP: Installation until 9/30/2019*
A   1 hr   Repair Call Emergency response within 2hrs
B   1hr   Repair Call Emergency Evening/weekend response within 2hrs
C   1hr   Repair Call Standard response within 24hrs
D   1hr   Repair Call Evening/Weekend response within 24hrs

CLIN 2002   *1yr*   *Preventive Maintenance and Testing*

The NAVAHCS will provide the following information to Vendor after award:

- frequencies for all radios.

Vendor is required to provide a turn-key solution to include installing, configuring, testing, training and implementing the solution.

1. **Pre-Implementation Plan**
   This phase is centered on the sales handoff and Vendor site visit, if required, where the full project team collaborates to detail exactly how the system must perform. The following specific events will take place and tasks will be completed as part of this phase.

   Sales Handoff

   Project team assigned

   Vendor site visit (if required) (all travel costs/misc. travel items is responsibility of vendor)

   Systems staging

   Working project plan

NAVAHCS tasks completed in preparation for phase two, Technical Setup

2. **Technical Setup**
   During this phase, the Vendor implementation team will configure the application to meet the agreed upon design using the requirements identified during the pre-implementation phase.   The following tasks will be completed as part of this phase.
   > On-site hardware installation
   >
   > System configuration
   >
   > Application Testing – Vendor and NAVAHCS required

3. **Training**
   The Vendor team performs system administration training.

4. **Implementation**
   This phase covers all pre- and post-implementation activities which include the following tasks:
   > Implementation Support

5. **NAVAHCS Acceptance**
   Following implementation, an acceptance document will be presented to the NAVAHCS to acknowledge that the project deliverables have been delivered as intended.

6. **Post implementation**
   Configuration Refinement
   First Refinement: to be performed four weeks (plus or minus one week) after initial application testing. Purpose is to utilize lessons learned during the first month of operation to refine the system configuration (e.g., channel selections, drag and drop menus, etc.).

   Second Refinement: to be performed two weeks after the first refinement.

7. **Technical Support:**
   Software updates provided for all software and systems

   System Preventative Maintaince/testing

   Local Support for addressing system outage or other troubleshooting issues.

   Emergency Outage response time 2hrs or sooner

   Standard Outage response time 24hrs or sooner

   Replacement parts

The Parties shall cooperate to establish hours of access to NAVAHCS's premises that are mutually agreed to by both Parties.

NAVAHCS Statement of Work Police/Facility Radio System

Estimated Phases

Phase	Tasks
Pre-Implementation	- Project kick off - Site visit - System Staging - Hardware setup
Technical Setup & Installation	- Hardware installation and configuration - Performance Options - Software installation and configuration - Software is unpacked, installed and configured
Training	Administrative training - System Access - Device Management - Basic troubleshooting
Implementation	- Pre-implementation meeting - Implementation checklist - NAVAHCS sign-off
NAVAHCS Acceptance	Milestone
Post-Implementation	- Issue resolution - System Refinements (two total) - Transition to the technical support department
Project Support	- Software updates - Preventive Maintenance and System Testing - Service Calls