## APPENDIX H - PRICE WORKSHEETS, REVISED 12/26/15

**BIDDER INSTRUCTIONS:** 

All Bidder pricing must be based on the Sample Product provided in Appendix H Mandatory Requirements. Any category in Appendix H that Bidder has chosen not to submit a bid, must also indicate <u>NO BID</u> in the Manufacturer section of the pricing worksheet below.

1. BATTERIES, MODULAR FLOODED LEAD-ACID	
Category Definition: Low-maintenance, long life-lead acid battery cells and assemblies, along with all associated installation and maintenance hardware, supplies, and tools.	
Example Product: Quantity One (1) 48 volt / 1000 A	mp-Hour battery assembly in floor-mount rack.
Manufacturer	NO BID
Product Model Name/Number:	
Published List Price	
Percentage Discount:	
Net price:	
Other Products/Services	
2. BATTERIES, MODULAR VALVE REGULATED LEAD ACID	
Category Definition: Low-maintenance, long life, Absorbed Glass Mat (AGM) battery cells and assemblies,	
along with all associated installation and maintenance hardware and tools.	
Example Product: Quantity One (1) 48 volt / 1000 A	· · ·
	<u>IO BID</u>
Product Model Name/Number:	
Published List Price:	
Percentage Discount:	
Net price:	
Other Products/Services:	

3. BATTERIES, MONO-BLOCK VALVE REGULATED LEAD ACID		
Category Definition: Low-maintenance, long life, Abso	orbed Glass Mat (AGM) battery cells and assemblies,	
along with all associated installation and maintenanc	· · · · · · · · · · · · · · · · · · ·	
Example Product: Quantity One (1) 48 volt / 1000 Am	p-Hour battery assembly in floor-mount rack.	
Manufacturer:	NO BID	
Product Model Name/Number:		
Published List Price:		
Percentage Discount:		
Net price:		
Other Products/Services:		
4. BATTERIES, PORTABLE RADIO		
Category Definition: High-capacity rechargeable batte	eries for public safety grade radios, along with single and	
multi-unit chargers, and all associated accessories and supplies.		
Example Product: Quantity One (1) 3000 – 4500 mAh, 7.4 volt battery.		
Manufacturer:	NO BID	
Product Model Name/Number:		
Published List Price:		
Percentage Discount:		
Net price:		
Other Products/Services:		

5. EQUIPMENT SHELTERS, BALLASTED	
• , , ,	zes specifically designed and constructed for extreme
	Il soil disruption and without site-build foundation; along
with necessary accessories and appurtenances, include	ding antenna mast, RF shielding, and grounding systems.
Example Product: Quantity One (1) 40 ft. <sup>2</sup> equipment shelter equipped for helicopter transport.	
Manufacturer:	NO BID
Product Model Name/Number:	
Published List Price:	
Percentage Discount:	
Net price:	
Other Products/Services:	
6. EQUIPMENT SHELTERS, CONCRETE	
Category Definition: Equipment shelters of various sizes constructed of precast concrete, specifically designed and constructed for extreme installation locations.	
Example Product: Quantity One (1) 40 ft. <sup>2</sup> equipment shelter.	
Manufacturer:	<u>NO BID</u>
Product Model Name/Number:	
Published List Price:	
Percentage Discount:	
Net price:	
Other Products/Services:	

7. EQUIPMENT SHELTERS, FIBERGLASS	
Category Definition: Equipment shelters of molded fil	berglass construction, specifically designed and
constructed for extreme installation locations.	, , ,
Example Product: Quantity One (1) 40 ft.2 equipment	shelter equipped for helicopter transport.
Manufacturer:	NO BID
Product Model Name/Number:	
Published List Price:	
Percentage Discount:	
Net price:	
Other Products/Services:	
8. EQUIPMENT SHELTERS, FRAMED LIGHT-WEIGHT	
Category Definition: Equipment shelters of framed construction; with metal, cement board, or other	
composite exterior; specifically designed and constructed for extreme installation locations.	
tomposite exterior, specimently designed and constructed for extreme installation locations.	
Example Product: Quantity One (1) 40 ft. <sup>2</sup> equipment shelter.	
Manufacturer:	NO BID
Product Model Name/Number:	
Published List Price:	
Percentage Discount:	
Net price:	
Other Products/Services:	

9. EQUIPMENT SHELTERS, OUTDOOR CABINET		
Category Definition: Equipment cabinets of single and multiple widths of EIA standard 19" and 23" rack, in various depths and heights; , specifically designed and constructed for extreme installation locations; providing protection conforming to NEMA-3R, UL50, and UL50E standards, along with associated components and hardware.		
Example Product: Quantity One (1) Single width, 19"	Example Product: Quantity One (1) Single width, 19" - 84 RU cabinet of 25 inch depth.	
Manufacturer:	NO BID	
Product Model Name/Number:		
Published List Price:		
Percentage Discount:		
Net price:		
Other Products/Services:		
10. Furniture, Dispatch Console		
Category Definition: Specialized dispatch center workstations, CPU enclosures, and auxiliary furniture such as storage units, printer cabinets, files, and tables.		
Example Product: Quantity One (1) 911-Center Dispatch Workstation with partitioned screens.		
Manufacturer:	<u>NO BID</u>	
Product Model Name/Number:		
Published List Price:		
Percentage Discount:		
Net price:		
Other Products/Services:		

11. Interoperability Gateway Devices		
Category Definition: Devices that interface multiple	e radios, of multiple makes and models, to analog	
telephones, to IP telephone networks, and to othe	r devices; allowing multiple simultaneous voice	
communications to facilitate incident interoperabi	lity between respondents equipped with otherwise	
incompatible technologies; fixed, mobile, and port	able devices; analog, digital, or IP-based devices; along	
with associated firmware and software, interface of	levices, connecting cables, and accessories.	
Example Product: Quantity One (1) IP Gateway Dev	vice Configured to Support a Mobile Command Post.	
Manufacture	r: <u>NO BID</u>	
Product Model Name/Number		
Published List Price	2:	
Percentage Discoun	t:	
Net price	2:	
Other Products/Services	5:	
12. MICROWAVE RADIO, CARRIER GRADE, PACKET DA	TA	
Category: Microwave Radios, Mission Critical — inc		
equipment to operate on Part 101 licensed frequen		
system, capable of space diversity, fix or adaptive		
native IP, capable of transporting TDM, with high t		
and/or ring redundancy; along with required bandwidth management / routing equipment and software; and with antennas, feedline systems, hardware (which may be from other manufacturers)		
to provide a complete system.		
to provide a complete system.		
Example Product: 6 GHz microwave radio, all-indoor installation, non-space diversity, providing 150		
Mbps data throughput, and 1+1 hot-standby. All antenna system components and hardware, and		
routing equipment provided by the customer.	, , , , , , , , , , , , , , , , , , , ,	
Manufacturer:	NO BID	
Product Model Name/Number:		
Published List Price:		
Percentage Discount:		
Net price:		
Other Products/Services:		
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13. MICROWAVE RADIO, CARRIER GRADE, NATIVE TII	ME DIVISION MULTIPLEX (TDM)
Category: Microwave Radios, Carrier Grade, TDM equipment to operate on Part 101 licensed freque split system, capable of space diversity, fix or ada with high throughput capacity; supporting N+1 hot along with required bandwidth management / rou feedline systems, hardware (which may be from or	ncies above 5925 MHz; available in all-indoor or ptive modulation; providing native TDM interface t standby, and/or XPIC, and/or ring redundancy;
Example Product: Lower 6 GHz microwave radio, a three (3) DS-3 throughput, and 1+1 hot-standby. A routing equipment provided by the customer.	III-indoor installation, space diversity, providing All antenna system components and hardware, and
Manufacturer:	NO BID
Product Model Name/Number:	
Published List Price:	
Percentage Discount:	
Net price:	
Other Products/Services:	
14. MICROWAVE RADIO, NETWORK GRADE	
antenna systems; along with required bandwidth	ncies above 5925 MHz; capable of fix or adaptive native packet data with high throughput capacity num MTU size of 2048; integrated or non-integrated
Example Product: 11 GHz microwave radio, split in data throughput, non-integrated antenna system. and routing equipment provided by the customer.	
Manufacturer:	NO BID
Product Model Name/Number:	
Published List Price:	
Percentage Discount:	
Net price:	
Other Products/Services:	

15. MICROWAVE RADIO, NATIVE IP, SUB 5.9 GhZ		
Category Definition: Point-to-Point digital microwave radio equipment to operate on Part 15 unlicensed frequencies and on Part 90 and Part 101 licensed frequencies above 1 GHz and below 5.9 GHz; capable of RF power above +20 dBm; providing native packet data and analog interfaces; with mid to high throughput capacity; minimum MTU size of 2048; along with required bandwidth management / routing equipment and software.		
	z microwave radio, providing 20 Mbps data throughput.	
Manufacturer:	NO BID	
Product Model Name/Number:		
Published List Price:		
Percentage Discount:		
Net price:		
Other Products/Services:		
Other Products/Services.		
16. Microwave Radio, Native IP, 900 MhZ		
Category Definition: Point-to-Point digital microwave radio equipment to operate on Part 15 unlicensed frequencies and on Part 90 and Part 101 licensed frequencies above 1 GHz and below 5.9 GHz; capable of RF power above +20 dBm; providing native packet data and analog interfaces; with mid to high throughput capacity; minimum MTU size of 2048; along with required bandwidth management / routing equipment and software.		
Example Product: Quantity one (1) Terminal – 4.9 GHz microwave radio, providing 20 Mbps data throughput.		
Manufacturer:	NO BID	
Product Model Name/Number:		
Published List Price:		
Percentage Discount: Net price:		
Net price:		
Other Products/Services:		
Other Frounds, services.		

17. Monitoring & Alarm, Environmental	
Category Definition: Automated communication system	ems for collecting and transmitting environmental data
	on, tsunami, etc.), along with all associated hardware,
software, and accessories to complete and maintain t	he system.
Example Product: Quantity One (1) Remote Automated Weather Station (RAWS) per NFDRS Standards.	
Manufacturer:	<u>NO BID</u>
Product Model Name/Number:	
Published List Price:	
Percentage Discount:	
Net price:	
Other Products/Services:	
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18. Monitoring & Alarm, Radio Network	
Category Definition: IP and analog radio network monitoring software & hardware, SCADA software &	
hardware, SNMP manager and agent software & hardware, remote terminal units (RTU), RF and radio site	
sensors.	
Example Product: Quantity One (1) A hypothetical radio system monitoring configuration.	
Manufacturer:	<u>NO BID</u>
Product Model Name/Number:	
Published List Price:	
Percentage Discount:	
Net price:	
Other Products/Services:	

19. Power Systems, DC Conversion		
Category Definition: AC/DC converters, battery charge	ers, DC/DC converters, along with low voltage	
disconnect, DC breakers, power distribution panels, a	nd associated hardware and software.	
Example Product: Quantity One (1) 12VDC 75 AMP Ba	ttery Charger.	
Manufacturer:	NO BID	
Product Model Name/Number:		
Published List Price:		
Percentage Discount:		
Net price:		
Other Products/Services:		
20. Power Systems, Fuel Cell		
Category Definition: fuel-cell generators using either gaseous hydrogen or methanol fuel, along with		
specialized racks and/or cabinets, fuel storage subsystems, and installation materials.		
Example Product: Quantity One (1) 2.5 Kw Fuel Cell Backup DC Power Generator.		
Manufacturer:	NO BID	
Product Model Name/Number:		
Published List Price:		
Percentage Discount:		
Net price:		
Other Products/Services:		

21. Power Systems, Electro-Mechanical Generators	
Category Definition: AC and DC power generators ope Outdoor installation systems to include transfer switch including timing and sensing functions with related has	The state of the s
Example Product: Quantity One (1) 45KW propane furthermote monitoring and control.	eled outdoor cabinet with automatic transfer switch,
Manufacturer:	NO BID
Product Model Name/Number:	
Published List Price:	
Percentage Discount:	
Net price:	
Other Products/Services:	
22. Power Systems, Uninterruptable Power Supply	(UPS)
Category Definition: Uninterruptible Power Systems,	AC to AC, AC to DC double conversion on line, with
associated installation wiring components, hardware	and software, rack mount, vertical tower, free standing.
Example Product: Quantity One (1) Uninterruptible Power System Double Conversion on line 120 VAC input 120VAC output 2100 watts/ 3000 VA.	
Manufacturer:	NO BID
Product Model Name/Number:	
Published List Price:	
Percentage Discount:	
Net price:	
Other Products/Services:	
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23. Test Equipment, Multifunction Radio Test Set	23. TEST EQUIPMENT, MULTIFUNCTION RADIO TEST SET	
Category Definition: Specialized high-accuracy multi-f	unction test instrument for the testing of two way ervice instruments, laboratory instruments, along with	
•	ervice instruments, laboratory instruments, along with	
related test adapters and accessories.		
<b>Example Product: Quantity One (1) Compact multifun</b>	ction instrument for testing and alignment of two-way	
radios (AKA: Radio Service Monitor).		
Manufacturer:	Aeroflex Wichita, Inc. (Cobham-AvComm)	
Product Model Name/Number:	Digital Radio Test Set/8800SX	
Published List Price:	\$28,627	
Percentage Discount:	3%	
Net price:	\$27,768	
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Other Products/Services:	See attached 8800SX catalog for other available options	
	and accessories	
24. TEST EQUIPMENT, SPECIALIZED RF INSTRUMENTS		
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Includes: Signal generators, signal analyzers, spectrun	requency instrument for the analysis of radio systems.	
instruments; configured as portable instruments, rugg	•	
along with related test adapters and required accesso	ries.	
Example Product: Quantity One (1) Portable, 2-Port Vector Network Analyzer & Spectrum Analyzer — a field		
instrument for the analysis of RF antenna systems, filters, and cables.		
Manufacturer:	NO BID	
Product Model Name/Number:		
Published List Price:		
Percentage Discount:		
Net price:		
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Other Products/Services:		
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This is a placeholder ONLY. No PRICING IS REQUIRED FOR THIS NUMBER		
26. Towers, Accessories & Appurtenances		
Category Definition: Radio tower accessories, antenna stand-offs, antenna array mounts, ice shields, cable bridges, grounding materials, cable entry-panels, non-penetrating and ballasted antenna mounts, anti-climb panels, and related products.		
Example Product: Quantity One (1) One - non-penetrating/ballasted antenna mount.		
For Bidding Purposes: vendor shall assume that (1) customer will resolve all the building structural capacity		
issues, (2) manage all permits, (3) provide ballast mate	rial, and (4) contract for erection services.	
Manufacturer:	<u>NO BID</u>	
Product Model Name/Number:		
Published List Price:		
Percentage Discount:		
Net price:		
Other Products/Services:		
27. Towers, Deployable / Temporary		
Category Definition: Deployable radio towers designed and constructed for temporary installation, fixed or transportable configurations, along with specially configured transport vehicles, accessories and appurtenances.  Example Product: Quantity One (1) 40-foot extendable tower mounted on 16 foot enclosed cargo trailer for		
rapid deployment to tactical events.		
Manufacturer:	NO BID	
Product Model Name/Number:	· <del></del>	
Published List Price:		
Percentage Discount:		
Net price:		
Other Products/Services:		

25. TOWERS, OVERALL SPECIFICATION

28. Towers, Guyed		
Category Definition: Guy wire supported type towers, tower engineering and design, foundation engineering		
and design, along with associated components and hardware.		
Example Product: Quantity One (1) 140-foot guy-wire-supported communications tower.		
For Bidding Purposes: Vendor shall assume that (1) cus	tomer will supply geotechnical report. (2) manage all	
	ction services. Note: (4) antenna mounts, stand-offs, ice-	
shields, and waveguide bridges are be specified and pri	· ·	
Manufacturer:	NO BID	
Product Model Name/Number:		
Published List Price:		
Percentage Discount:		
Net price:		
Other Products/Services:		
29. Towers, Guyed, Light		
Category Definition: Light duty lattice type towers, tower engineering and design, foundation engineering and		
design, and associated components and hardware.		
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Example Product: Quantity One (1) Light duty 60-foot self-supported communications tower.		
For Bidding Purposes: Vendor shall assume that (1) customer will supply geotechnical report, (2) manage all		
	ction services. Note: (4) antenna mounts, stand-offs, ice-	
shields, and waveguide bridges are be specified and priced under a separate sub-category.		
Manufacturer		
Product Model Name/Number		
Published List Price		
Percentage Discount		
Net price	:	
Oak an Dua duas do a duas	.	
Other Products/Services	:	

<b>30.</b> Towers, Lattice		
Category Definition: Self-supporting type towers (3-leg and 4 leg), tower engineering and design, foundation		
engineering and design, and associated components and hardware.		
Example Product: Quantity One (1) 140-foot self-supporting communications tower.		
For Bidding Purposes: Vendor shall assume that (1) cus	stomer will supply geotechnical report. (2) manage all	
permits, and (3) contract for foundation and tower erection services. Note: (4) antenna mounts, stand-offs, ice-		
shields, and waveguide bridges are be specified and priced under a separate sub-category.		
Manufacturer:	NO BID	
Product Model Name/Number:		
Published List Price:		
Percentage Discount:		
Net price:		
Other Products/Services:		
31. Towers, Lattice, Light		
Category Definition: Light duty lattice type towers, tower engineering and design, foundation engineering and		
design, and associated components and hardware.		
acsign, and associated components and naraware.		
Example Product: Quantity One (1) Light duty 60-foot self-supported communications tower.		
For Bidding Purposes: Vendor shall assume that (1) customer will supply geotechnical report, (2) manage all		
permits, and (3) contract for foundation and tower erection services. Note: (4) antenna mounts, stand-offs, ice-		
shields, and waveguide bridges are be specified and priced under a separate sub-category.		
Manufacturer:	<u>NO BID</u>	
Product Model Name/Number:		
Published List Price:		
Percentage Discount:		
Net price:		
Other Products/Services:		

32. Towers, Monopole		
Category Definition: Monopole type towers, tower engineering and design, foundation engineering and		
design, and associated components and hardware.		
Example Product: Quantity One (1) 140-foot monopole communications tower.		
For Bidding Purposes: Vendor shall assume that (1) cur	stomer will supply geotechnical report, (2) manage all	
permits, and (3) contract for foundation and tower erection services. Note: (4) antenna mounts, stand-offs, ice-		
shields, and waveguide bridges are be specified and priced under a separate sub-category.		
Manufacturer:	NO BID	
Product Model Name/Number:		
Published List Price:		
Percentage Discount:		
Net price:		
Other Products/Services:		
33. Towers, Passive Microwave Repeater		
Category Definition: Passive microwave repeater (reflector) structures, structure engineering and design,		
foundation engineering and design, and associated components and hardware.		
Example Product: Quantity One (1) 20 foot by 32 foot passive microwave repeater.		
For Bidding Purposes: Vendor shall assume that (1) customer will supply geotechnical report, (2) manage all		
permits, and (3) contract for foundation and tower erection services.		
Manufacturer:	NO BID	
Product Model Name/Number:		
Published List Price:		
Percentage Discount:		
Net price:		
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Other Products/Services:		