

FORM D - OFFERED ITEMS PRICING (LINE ITEMS)									
INSTRUCTIONS: Complete one line for each product code. Add lines as needed. Use TAB A to enter Line Items Offered. Use TAB B for Price Books Offered.									
Solicitation #: RA05-21				Respondent Name: Astronics Test Systems, Inc					
Line Item Reference Number	Product Code	Product Summary (detailing the items, equipment and/or services being offered for the specific product code)	Manufacturer	Vendor	Item Description	Bid Price Effective August 2021 January 2024	2023 Price	Percent Difference	\$ Difference
1	XA	Communications System Analyzer with Battery, Tracking Generator, Enhanced Spectrum Analyzer and Cable Fault Locator	Astronics Test Systems, Inc	N/A	R8100 Communications System Analyzer	\$22,050	\$23,520.00	6.67%	\$1,470.00
2	XA	Communications System Analyzer with Battery, Tracking Generator, Enhanced Spectrum Analyzer, Cable Fault Locator and Extended Generate Output Port Range	Astronics Test Systems, Inc	N/A	R8100 Communications System Analyzer With Extended Generate Output Range	\$23,030	\$24,500.00	6.38%	\$1,470.00
4	XA	Communications System Analyzer	Astronics Test Systems, Inc	N/A	R8000C Communications System Analyzer - Base Model	\$16,023	\$18,571.00	15.90%	\$2,548.00
5	XA	Communications System Analyzer with Extended Generate Output Port Range	Astronics Test Systems, Inc	N/A	R8000C Communications System Analyzer with Extended Generate Outut Range	\$17,003	\$19,551.00	14.99%	\$2,548.00
6	XA	Communications System Analyzer with Tracking Generator, Enhanced Spectrum Analyzer, Cable Fault Locator and 3 year service plan	Astronics Test Systems, Inc	N/A	R8000C 1GHz Premier Package Communications System Analyzer	\$19,943	\$22,491.00	12.78%	\$2,548.00
7	XA	Communications System Analyzer with Tracking Generator, Enhanced Spectrum Analyzer, Cable Fault Locator, Extended Generate Output Port Range and 3 year service plan	Astronics Test Systems, Inc	N/A	R8000C 1GHz Premier Package Communications System Analyzer with Extended Generate Outut Range	\$20,923	\$23,471.00	12.18%	\$2,548.00
8	XA	Communications System Analyzer with Tracking Generator, Enhanced Spectrum Analyzer, Cable Fault Locator and 3 GHz Frequency Range	Astronics Test Systems, Inc	N/A	R8000C 3GHz Premier Package Communications System Analyzer	\$20,923	\$23,471.00	12.18%	\$2,548.00
9	XA	Communications System Analyzer with Tracking Generator, Enhanced Spectrum Analyzer, Cable Fault Locator, Extended Generate Output Port Range and 3 GHz Frequency Range	Astronics Test Systems, Inc	N/A	R8000C 3GHz Premier Package Communications System Analyzer With Extended Generate Outut Range	\$21,903	\$24,451.00	11.63%	\$2,548.00
10	XA	Communications System Analyzer with VNA, Battery, Tracking Generator, Enhanced Spectrum Analyzer, Remote Front Panel, Process Automation Toolkit and Extended Generate Output Port Range	Astronics Test Systems, Inc	N/A	R8200 Communications System Analyzer with VNA and calibration kit	\$26,950	\$29,400.00	9.09%	\$2,450.00
11	XA	Communications System Analyzer for Production and Remote Applications, with Remote Front Panel and Process Automation Toolkit	Astronics Test Systems, Inc	N/A	R8600 Radio Test Hub	\$14,700	\$17,248.00	17.33%	\$2,548.00

FORM D - OFFERED ITEMS PRICING (CATALOG/PRICE BOOK)										
INSTRUCTIONS: Complete one line for each product code. Add lines as needed. Use TAB A to enter Line Items Offered. Use TAB B for Price Books Offered.										
Solicitation# RA05-21						Respondent Name: Astronics Test Systems, Inc				
Product Code	Product Summary (detailing the items, equipment and/or services being offered for the specific product code)	Manufacturer	Catalog Name/Number	Catalog Effective Date	Vendor	Catalog Description	Fixed Percentage Discount (Off List Price)	Unit of Measure	Restrictions	Keywords
XA	Communications System Analyzer with Battery, Tracking Generator, Enhanced Spectrum Analyzer and Cable Fault Locator	Astronics Test Systems, Inc	R8100	1/1/2022	N/A	R8100 Communications System Analyzer	2%	EA	None	Analyzer, radio test equipment, service monitor
XA	Communications System Analyzer with Battery, Tracking Generator, Enhanced Spectrum Analyzer, Cable Fault Locator and Extended Generate Output Port Range	Astronics Test Systems, Inc	FR8100	1/1/2022	N/A	R8100 Communications System Analyzer With Extended Generate Output Range	2%	EA	None	Analyzer, radio test equipment, service monitor
XA	Communications System Analyzer	Astronics Test Systems, Inc	R8000C	1/1/2022	N/A	R8000C Communications System Analyzer - Base Model	2%	EA	None	Analyzer, radio test equipment, service monitor
XA	Communications System Analyzer with Extended Generate Output Port Range	Astronics Test Systems, Inc	FR8000C	1/1/2022	N/A	R8000C Communications System Analyzer with Extended Generate Outut Range	2%	EA	None	Analyzer, radio test equipment, service monitor
XA	Communications System Analyzer with Tracking Generator, Enhanced Spectrum Analyzer, Cable Fault Locator and 3 year service plan	Astronics Test Systems, Inc	R8000C-1G Premier	1/1/2022	N/A	R8000C 1GHz Premier Package Communications System Analyzer	2%	EA	None	Analyzer, radio test equipment, service monitor
XA	Communications System Analyzer with Tracking Generator, Enhanced Spectrum Analyzer, Cable Fault Locator, Extended Generate Output Port Range and 3 year service plan	Astronics Test Systems, Inc	FR8000C-1G Premier	1/1/2022	N/A	R8000C 1GHz Premier Package Communications System Analyzer with Extended Generate Outut Range	2%	EA	None	Analyzer, radio test equipment, service monitor
XA	Communications System Analyzer with Tracking Generator, Enhanced Spectrum Analyzer, Cable Fault Locator and 3 GHz Frequency Range	Astronics Test Systems, Inc	R8000C-3G Premier	1/1/2022	N/A	R8000C 3GHz Premier Package Communications System Analyzer	2%	EA	None	Analyzer, radio test equipment, service monitor

XA	Communications System Analyzer with Tracking Generator, Enhanced Spectrum Analyzer, Cable Fault Locator, Extended Generate Output Port Range and 3 GHz Frequency Range	Astronics Test Systems, Inc	FR8000C-3G Premier	1/1/2022	N/A	R8000C 3GHz Premier Package Communications System Analyzer With Extended Generate Outut Range	2%	EA	None	<i>Analyzer, radio test equipment, service monitor</i>
XA	Communications System Analyzer with VNA, Battery, Tracking Generator, Enhanced Spectrum Analyzer, Remote Front Panel, Process Automation Toolkit and Extended Generate Output Port Range	Astronics Test Systems, Inc	R8200	1/1/2022	N/A	R8200 Communications System Analyzer with VNA and calibration kit	2%	EA	None	<i>Analyzer, radio test equipment, service monitor</i>
XA	Communications System Analyzer for Production and Remote Applications, with Remote Front Panel and Process Automation Toolkit	Astronics Test Systems, Inc	R8600	1/1/2022	N/A	R8600 Radio Test Hub	2%	EA	None	<i>Analyzer, radio test equipment, service monitor</i>

FORM E - PUBLISHED OPTIONS PRICING SHEET				
Solicitation #: RA05-21	Respondent Name: Astronics Test Systems, Inc			
Notes: (Important)	1) Use a single Form E for ALL Option/Accessory items and quote each on a single, separate line. DO NOT use multiple Form E's . Add or insert additional lines as necessary. 2) Completely describe each item. Include the manufacturer's code or part number. Each item listed MUST have a unique code or part number so that it can be identified in any subsequent contract. 3) Options which replace standard equipment on a Form D Item should be priced net of any credit due for the replaced item. 4) Options which are upgrades/downgrades of a Form D Item should be priced at the differential amount between the cost of the Form D Item and the upgrade/downgrade option.			
Code or Part No.	Option Description	Not to exceed Rate or Not to exceed Cost	Price Increase	% Increase
XAR8-P25	APCO Project 25 Phase 1 test option for FREEDOM Communications Analyzers	\$2,940.00	\$0.00	0.00%
XAR8-P25TRNK	APCO Project 25 Phase 1 Trunking test option for FREEDOM Communications Analyzers(Requires ZAR8-P25)	\$2,450.00	\$0.00	0.00%
XAR8-P25_II	APCO Project 25 Phase 2 test option for FREEDOM Communications Analyzers	\$2,940.00	\$0.00	0.00%
XAR8-P25_VOC	P25 Vocoder for FREEDOM Communications Analyzers	\$980.00	\$0.00	0.00%
XAR8-P25_EXP	P25 Explicit Mode Trunking test option for FREEDOM Communications Analyzers	\$1,715.00	\$0.00	0.00%
XAR8-DMR	DMR conventional (Tier 2) test option for FREEDOM	\$2,891.00	\$0.00	0.00%

	Communications Analyzers			
XAR8-DMR_RPTR	DMR Live Repeater test option for FREEDOM Communications Analyzers (Requires ZAR8-DMR)	\$2,450.00	\$0.00	0.00%
XAR8-DMR- T3MS	DMR III Subscriber Test (NEW)	\$4,410.00		
XAR8-NXDN	NXDN test option for FREEDOM Communications Analyzers	\$2,940.00		0.00%
XAR8-NXDNTYPEC	NXDN "Type C" Trunking test option for FREEDOM Communications Analyzers	\$2,450.00	\$0.00	0.00%
XAR8-TETRA_BSM	TETRA Base Station Monitoring option for FREEDOM Communications Analyzers	\$2,940.00	\$0.00	0.00%
XAR8-TETRA_BST1	TETRA Base Station T1 test option for FREEDOM Communications Analyzers	\$5,880.00	\$0.00	0.00%
XAR8-TETRA_TMO	TETRA TMO Subscriber test option for FREEDOM Communications Analyzers	\$5,880.00	\$0.00	0.00%
XAR8-TETRA_DMO	TETRA DMO Subscriber test option for FREEDOM Communications Analyzers	\$2,940.00	\$0.00	0.00%
XAR8-DPMR	dPMR (Digital Private Mobile Radio) test option for FREEDOM Communications Analyzers	\$2,940.00	\$0.00	0.00%
XAR8-PTC_ACSES	Positive Train Control - ACSES test option for FREEDOM Communications Analyzers	\$4,410.00	\$0.00	0.00%
Positive Train Control - ITCR	Positive Train Control - ITCR test option for	\$4,410.00	\$0.00	0.00%

	FREEDOM Communications Analyzers			
XAR8-AVIONICS	Avionics Ramp Test Option for FREEDOM Communications Analyzers	\$2,940.00	\$0.00	0.00%
XAR8-AT_TRBO	AutoTune for FREEDOM Communications Analyzers - MOTOTRBO Mobiles and Portables (Except SL300)	\$3,430.00	\$392.00	12.90%
XAR8-AT_XTL	AutoTune for FREEDOM Communications Analyzers - XTL 1500/2500/5000 Mobiles	\$3,430.00	\$392.00	12.90%
XAR8-AT_XTS	AutoTune for FREEDOM Communications Analyzers - XTS 1500/2500/5000 Portables	\$3,430.00	\$392.00	12.90%
XAR8-AT_APX	AutoTune for FREEDOM Communications Analyzers - APX 1000/2000/4000/6000/7000 Series Mobiles and Portables	\$3,430.00	\$392.00	12.90%
XAR8-AT_APX8000	AutoTune for FREEDOM Communications Analyzers - APX 8000/8500	\$3,430.00	\$392.00	12.90%
XAR8-AT_NX3K/5K	AutoTune for FREEDOM Communications Analyzers - Kenwood NX3000/5000 Radios	\$3,430.00	\$392.00	12.90%
XAR8-AT_KWNX	AutoTune for FREEDOM Communications Analyzers - Kenwood NX Series Mobiles and Portables	\$2,940.00	\$0.00	0.00%
XAR8-AT_XG-75	AutoTune for FREEDOM Communications Analyzers - Harris XG-75/P7300/M7300 Series Mobiles and Portables	\$2,940.00	\$0.00	0.00%
XAR8-AT_XM100	AutoTune for FREEDOM Communications	\$2,940.00	\$0.00	0.00%

	Analyzers - Harris XM100 Radios			
XAR8-AT_XL200	AutoTune for FREEDOM Communications Analyzers - Harris XL200 Radios	\$2,940.00	\$0.00	0.00%
XAR8-AT_KNG	AutoTune for FREEDOM Communications Analyzers - BK KNG Portables	\$2,940.00	\$0.00	0.00%
XAR8-AT_KNGS	AutoTune for FREEDOM Communications Analyzers - BK KNG-S Series Portables	\$2,940.00	\$0.00	0.00%
XAR8-AT_HYTERA	AutoTune for FREEDOM Communications Analyzers - Hytera DMR Radios	\$2,940.00	\$0.00	0.00%
XAR8-AT_TDFM9	AutoTune for FREEDOM Communications Analyzers - Technisonic TDFM 9000 Series Radios	\$2,940.00	\$0.00	0.00%
XAR8-PAT	Process Automation Toolkit for FREEDOM Communications Analyzers (Included standard with product codes ZAR8200 and ZAR8600)	\$1,470.00	\$0.00	0.00%
XAR8-3G	3 GHz Operation for FREEDOM Communications Analyzers (Included standard with product codes ZAR8000C-3G Premier and ZAFR8000C-3G Premier)	\$2,401.00	\$0.00	0.00%
XAR8-CF	Cable Fault Locator for FREEDOM Communications Analyzers (Included standard with all communications system analyzer product codes EXCEPT ZAR8000C,	\$490.00	\$0.00	0.00%

	ZAFR8000C and ZAR8200)			
XAR8-Remote	Remote Control Software for FREEDOM Communications Analyzers (Included standard with all communications system analyzer product codes EXCEPT ZAR8000C, ZAFR8000C and ZAR8100)	\$1,225.00	\$0.00	0.00%
XAR8-TG	Tracking Generator for FREEDOM Communications Analyzers (Included standard with all communications system analyzer product codes EXCEPT ZAR8000C, ZAFR8000C and ZAR8600)	\$931.00	\$0.00	0.00%
XAR8-ESA	Enhanced Spectrum Analyzer / Dual Scope for FREEDOM Communications Analyzers (Included standard with all communications system analyzer product codes EXCEPT ZAR8000C, ZAFR8000C and ZAR8600)	\$735.00	\$0.00	0.00%
XAR8-SSB	Single Side Band for FREEDOM Communications Analyzers	\$490.00	\$0.00	0.00%
XAR8-GEN_EXT	Extended Generator Output Range for FREEDOM Communications Analyzers (Included stadnard with product codes ZAFR8000C, ZAFR8100, ZAFR8000C-	\$980.00	\$0.00	0.00%

	1G Premier and ZAFR8000C-3G Premier)			
XAR8-3Y	Three Year Service Plan for FREEDOM Communications Analyzers (Included standard with ZAR8000C-1GHz Premier and ZAFR8000C-1GHz Premier)	\$1,500.00	\$0.00	0.00%
XAR8-5Y	Five Year Service Plan for FREEDOM Communications Analyzers	\$2,400.00	\$0.00	0.00%
XAR8-5Y Upgrade	Five Year Service Plan for R8000-1G Premier FREEDOM Communications Aalyzers (Upgrade from 3 Year)	\$900.00	\$0.00	0.00%
XABATT8100	Spare Battery for R8100/R8200 FREEDOM Communications Analyzers (one is included standard with ZAR8100, ZAFR8100 and ZAR8200)	\$343.00	\$0.00	0.00%
XACHRG8100	Desktop Quick Charger for R8100/R8200 battery	\$392.00	\$0.00	0.00%
XACPS102	AC Adaptor for R8000 FREEDOM Communications Analyzers	\$107.80	\$0.00	0.00%
XAEA11011H(19)	AC Adaptor for R8100/R8200 FREEDOM Communications Analyzers	\$107.80	\$0.00	0.00%
EA11011H(T14)	AC Adaptor for R8100/R8200 FREEDOM Communications Analyzers	\$107.80	\$0.00	0.00%
XACCW171	Power Cord for R8000/R8100/R8200 FREEDOM Communications Analyzers	\$9.80	\$0.00	0.00%

XABEM1512	12V - 24V DC Adapter for R8000 FREEDOM Communications Analyzers	\$107.80	\$0.00	0.00%
XAED1010A(16)	12V - 16V DC Adapter for R8100/R8200 FREEDOM Communications Analyzers	\$107.80	\$0.00	0.00%
XAR8-SC	Soft Carrying Case FREEDOM Communications Analyzers	\$318.50	\$0.00	0.00%
XAR9-TGC	Transit Case with foam molding for Glove Case for FREEDOM Communications Analyzers	\$661.50	\$0.00	0.00%
XAR8-HC	Protective glove case with LCD protection - R8000 Series FREEDOM Communications Analyzers	\$107.80	\$0.00	0.00%
XAR8-GC	Protective glove case with LCD protection - R8100 FREEDOM Communications Analyzers	\$107.80	\$0.00	0.00%
XA202161-01	Breakout Box for APX & XTL mobile AutoTune Audio Tests	\$343.00	\$0.00	0.00%
XAUSB-CS	Current Sensor for APX PA Bias measurements	\$980.00	\$0.00	0.00%
XARLN4460	Audio Breakout Box for Motorola Radios	\$833.00	\$0.00	0.00%
RLN4460C	Audio Breakout Box for Motorola Radios	\$833.00	\$0.00	0.00%
XAKNBB78	Breakout Box and cables for Kenwood NX Series Radios	\$1,568.00	\$147.00	10.34%
XAHarris XG-75P AutoTune Kit	Accessory Kit for Harris XG-75 Series & P7300 Portables	\$2,940.00	\$0.00	0.00%
XAHarris XG-75M AutoTune Kit	Accessory Kit for Harris XG-75M & M7300 Mobiles	\$1,078.00	\$0.00	0.00%

XAPTC-ACSES ACCESSORY KIT	Accessory Kit for use with PTC-ACSES test option	\$735.00	\$0.00	0.00%
XAR8-VSWR	Antenna Return Loss Bridge Kit	\$1,935.50	\$0.00	0.00%
XAR8-FT7	Drive Test Software Package (STI Field Test 7)	Supplier is out of business; taking off price list.	\$0.00	0.00%
XAVM-10042	Microphone, Spare (one included standard with every analyzer)	\$147.00	\$0.00	0.00%
XA0180302E82	Isolation Transformer for baseband Output	\$205.80	\$0.00	0.00%
XA0180302E83	Isolation Transformer for Meter Input	\$205.80	\$0.00	0.00%