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State of New Hampshire

DEPARTMENT OF ADMINISTRATIVE SERVICES
25 Capitol Street – Room 120
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July 2, 2021

His Excellency, Governor Christopher T. Sununu
and the Honorable Council
State House
Concord, New Hampshire 03301

REQUESTED ACTION

Authorize the Department of Administrative Services to access a statewide contract #801458 for Cisco networking products with Red River LLC, of Claremont, NH, vendor #276252, for an amount not to exceed $16,186,701.09 for the Statewide IT network modernization program. Effective upon Governor and Council approval through June 30, 2023. 100% Federal Funds.

Funding is available 01-03-003-030010-24600000 Department of Information Technology, ARP Critical IT Infrastructure, Activity Code: 00FRF602GS0301A

Class		FY 2022
037-500171	TECHNOLOGY HARDWARE	$12,802,508.49
038-500177	TECHNOLOGY SOFTWARE	$3,384,192.60
	TOTAL	$16,186,701.09
Source of Funds		
000-400338	FEDERAL FUNDS	$16,186,701.09
	TOTAL	$16,186,701.09

EXPLANATION

The Department of Administrative Services and the Department of Information Technology utilized the statewide contract 8001458 for Data Communications with Cisco Systems, Inc., vendor #176051, to solicit quotes from the five authorized resellers under the contract. The Department of Administrative Services entered into a Participating Addendum (PA) on April 29, 2021 through the Master Agreement (MA) AR3227, awarded through competitive bid by the NASPO ValuePoint cooperative purchasing program. The MA through NASPO ValuePoint is effective through September 30, 2024. Cisco Systems, Inc. provides each state a listing of authorized Cisco resellers that then competitively bid requirements on a per order basis.

On June 24, 2021, a Request for Quote was issued to all five authorized Cisco resellers with responses due by close of business on July 2, 2021. Red River Technology LLC responded with the lowest cost quote meeting specifications.

The network infrastructure program will replace end of life (EOL) core network infrastructure, agency network equipment and addresses capacity constraints, security and compliance related issues. The Executive Branch network that supports state agencies has a high percentage of network equipment that is either at or will be at EOL shortly. When equipment reaches this stage, vendors no longer provide security patches and other updates which create security, federal, and Payment Card Industry (PCI) compliance risks. In addition, this program provides a major technology shift to Software Defined Networking (SDN), which will assist with the increasing requirements for performance and security on our networks driven by:

- Accelerated adoption of cloud computing
- Expansion of Internet of Things (IOT)
- Increased remote workforce needs
- Steep increase in the volume of citizen critical services that travel on our networks, driven by the COVID-19 public health emergency

DoIT has identified the equipment and services required to keep agency networks performant and compliant for the next 5 – 6 years. The proposal provides a significant discount over our standard pricing by acquiring all of the equipment in a large volume single transaction, along with design and training services. Installation services are included, allowing the project to be completed within 12-18 months. The network project will replace routers, switches, firewalls, and wireless equipment, along with expanding wireless capabilities to additional locations.

Based on the foregoing, I am respectfully recommending approval of the contract with Red River Technology LLC.

Respectfully submitted,

Joseph Bickford, Asst. Comm.

for Charlie M. Arlinghaus
Commissioner

Red River

STATE OF NEW HAMPSHIRE
WENDY POULIOT
CONCORD, NH 03301
wendy.pouliot@doit.nh.gov

THANK YOU FOR YOUR INTEREST.

We are pleased to provide you with the following quote per your request. If you need additional services for ongoing product support, please contact us.

QUOTE NUMBER	
OP-0029149-7	
Quote Date: 6/30/2021	RFQ:
Contract:	CISCO NASPO - AR3227 MA #AR3227 & PA #3
Quote Name:	Network Refresh-Final

Red River is monitoring the current health and economic environment as it relates to our supply chain. The lead times on this quote are based on the most current information available and are subject to change as the situation evolves.

YOUR ACCOUNT TEAM

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LEAD TIME	TBD
SHIP VIA	GRD SHIP
F.O.B.	FOB Origin
TERMS	SPECIAL

LINE #	ITEM #	MANUFACTURER	DESCRIPTION	QTY	PRICE	EXT. PRICE
			CISCO NASPO - AR3227 MA #AR3227 & PA #3			
4	ELA2-M	CISCO	CISCO EA BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
			60.00 MONTHS FROM 31-AUG-2021 TO 30-AUG-2026			
			NO AUTO RENEWAL; BILLING FREQUENCY: PREPAID TERM			
5	E2-N-ACI	CISCO	CISCO DATA CENTER EA FOR ACI CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
6	E2-N-ACI-S	CISCO	SUPPORT FOR CISCO DATA CENTER EA - ACI CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
7	E2N-N9300GF-G-A	CISCO	ACI FIXED 1G ADVANTAGE NEW PURCHASE - QTY 52 CISCO NASPO - AR3227 MA #AR3227 & PA #3	52	Included	Included
8	E2N-N9300GF-G-P	CISCO	ACI FIXED 1G PREMIER NEW PURCHASE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
9	E2N-N9300XF-G-A	CISCO	ACI FIXED 10G XF ADVANTAGE NEW PURCHASE CISCO NASPO - AR3227 MA #AR3227 & PA #3	30	Included	Included
10	E2N-N9300XF-G-P	CISCO	ACI FIXED 10G XF PREMIER NEW PURCHASE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
11	E2N-N9300XF2-G-A	CISCO	ACI FIXED 10G XF2 ADVANTAGE NEW PURCHASE - QTY 14 CISCO NASPO - AR3227 MA #AR3227 & PA #3	14	Included	Included
12	E2N-N9300XF2-G-P	CISCO	ACI FIXED 10G XF2 PREMIER NEW PURCHASE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
13	E2-N-AIR	CISCO	CISCO DNA FOR EA - ACCESS WIRELESS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
14	E2-N-AIR-S	CISCO	ACCESS WIRELESS EA - SUPPORT CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
15	E2N-AIRWLAN-B-A	CISCO	WIRELESS DNA EA ADVANTAGE FOR PREVIOUS PURCHASE - QTY 516 CISCO NASPO - AR3227 MA #AR3227 & PA #3	516	Included	Included
16	E2N-AIRWLAN-G-A	CISCO	WIRELESS DNA EA ADVANTAGE NEW PURCHASE - QTY 1484 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1,484	Included	Included
17	E2-N-AS	CISCO	CISCO DNA FOR EA - ACCESS SWITCHING CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
18	E2-N-AS-S	CISCO	ACCESS SWITCHING EA - SUPPORT CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
19	E2N-C9300L2-B-A	CISCO	C9300L 48-PORT CISCO DNA EA ADV WITH EXISTING HW - QTY 42 CISCO NASPO - AR3227 MA #AR3227 & PA #3	42	Included	Included
20	E2N-C9400-B-A	CISCO	C9400 CISCO DNA EA ADVANTAGE WITH EXISTING ESSENT - QTY 14 CISCO NASPO - AR3227 MA #AR3227 & PA #3	14	Included	Included
21	E2N-C9400-G-A	CISCO	C9400 CISCO DNA EA ADVANTAGE NEW PURCHASE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
22	E2N-C9S001-B-A	CISCO	C9500 CISCO DNA EA ADVANTAGE HIGH (24Q/40X) - EXIS CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
23	E2N-C9S001-G-A	CISCO	C9500 CISCO DNA EA ADVANTAGE HIGH PORT NEW - QTY 26 CISCO NASPO - AR3227 MA #AR3227 & PA #3	26	Included	Included
24	E2N-C9S002-B-A	CISCO	C9500 CISCO DNA EA ADV LOW (12Q/16X) - EXISTING ES CISCO NASPO - AR3227	1	Included	Included

			MA #AR3227 & PA #3			
25	E2N-C95002-G-A	CISCO	C9500 CISCO DNA EA ADVANTAGE LOW PORT NEW PURCHASE - QTY 7 CISCO NASPO - AR3227 MA #AR3227 & PA #3	7	Included	Included
26	E2N-C96001-B-A	CISCO	E2N-C96001-B-A CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
27	E2N-C92001-B-A	CISCO	C9200 24-PORT CISCO DNA EA ADVANTAGE W EXISTING IP CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
28	E2N-C92002-B-A	CISCO	C9200 48-PORT CISCO DNA EA ADV WITH EXISTING IPB O - QTY 8 CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
29	E2N-C9200L1-B-A	CISCO	C9200L 24-PORT CISCO DNA EA ADV WITH EXISTING IPB CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
30	E2N-C9200L2-B-A	CISCO	C9200L 48-PORT CISCO DNA ADVANTAGE WITH EXISTING CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
31	E2N-C93001-B-A	CISCO	C9300 24-PORT CISCO DNA EA ADV WITH EXISTING - QTY 89 CISCO NASPO - AR3227 MA #AR3227 & PA #3	89	Included	Included
32	E2N-C93002-B-A	CISCO	C9300 48-PORT CISCO DNA EA ADVANTAGE EXISTING - QTY 148 CISCO NASPO - AR3227 MA #AR3227 & PA #3	148	Included	Included
33	E2N-C93002-G-A	CISCO	C9300 48-PORT CISCO DNA EA ADVANTAGE NEW PURCHASE - QTY 707 CISCO NASPO - AR3227 MA #AR3227 & PA #3	707	Included	Included
34	E2N-C9300L1-B-A	CISCO	C9300L 24-PORT CISCO DNA EA ADV WITH EXISTING HW CISCO NASPO - AR3227 MA #AR3227 & PA #3	15	Included	Included
35	E2-N-CL-SDWAN	CISCO	CISCO DNA FOR EA - CLOUD WAN CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
36	E2-N-CL-SDWAN-S	CISCO	CISCO DNA FOR EA CLOUD SDWAN SUPPORT CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
37	E2N-SDWAN-C-T1-G-A	CISCO	ENTERPRISE WAN TIER 1 CLOUD (100M) DNA EA - QTY 238 CISCO NASPO - AR3227 MA #AR3227 & PA #3	238	Included	Included
38	E2N-SDWAN-C-T2-G-A	CISCO	ENTERPRISE WAN TIER 2 CLOUD (1G) DNA EA ADVANTAGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
39	E2N-SDWAN-C-T3-G-A	CISCO	ENTERPRISE WAN TIER 3 CLOUD (10G) DNA EA ADVANTAGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
40	E2-N-HXDP	CISCO	CISCO DATA CENTER EA FOR HYPERFLEX CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
41	E2-N-HXDP-S	CISCO	SUPPORT FOR CISCO HXDP EA - DATA CENTER CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
42	E2N-HXDP-DC-A	CISCO	CISCO HYPERFLEX DATA PLATFORM ADVANTAGE - DATA CEN CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
43	E2F-SEC-ANYCONN	CISCO	CISCO EA 2.0 CHOICE - SECURITY SUITES- ANYCONNECT CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
44	E2SF-A-AC-APEX-10	CISCO	SECURITY EA 2.0 CHOICE ANYCONNECT APEX LICENSE - QTY 1763 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1,763	Included	Included
45	SVS-EA2-ANYC-SUP-B	CISCO	BASIC SUPPORT FOR ANYCONNECT CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
46	E2F-SEC-ISE	CISCO	CISCO EA 2.0 CHOICE - SECURITY SUITES- ISE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
47	E2SF-I-ISE-ADM	CISCO	SECURITY EA 2.0 CHOICE ISE DEVICE ADMIN TACACS CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
48	E2SF-I-ISE-APEX-10	CISCO	SECURITY EA 2.0 CHOICE ISE APEX LICENSE 10PK - QTY 1000 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1,000	Included	Included
49	E2SF-I-ISE-BASE-10	CISCO	SECURITY EA 2.0 CHOICE ISE BASE LICENSE 10PK - QTY 3000 CISCO NASPO - AR3227 MA #AR3227 & PA #3	3,000	Included	Included
50	E2SF-I-ISE-PLUS-10	CISCO	SECURITY EA 2.0 CHOICE ISE PLUS LICENSE 10PK - QTY 3000 CISCO NASPO - AR3227 MA #AR3227 & PA #3	3,000	Included	Included
51	SVS-EA2-CISE-SUP-B	CISCO	BASIC SUPPORT FOR IDENTITY SERVICES ENGINE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
52	E2F-SEC-NGFW	CISCO	CISCO EA 2.0 CHOICE - SECURITY SUITES- NGFW CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
53	E2SF-F-ASA5508	CISCO	SEC EA 2.0 CHOICE ASA5508 FIREPOWER IPS, AMP & URL CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
54	E2SF-F-ASA5516	CISCO	SEC EA 2.0 CHOICE ASA5516 FIREPOWER IPS, AMP & URL CISCO NASPO - AR3227 MA #AR3227 & PA #3	5	Included	Included
55	E2SF-F-FPR2110T	CISCO	SEC EA 2.0 CHOICE FPR2110 THREAT DEFENSE THREAT, M	4	Included	Included

			CISCO NASPO - AR3227 MA #AR3227 & PA #3			
56	E2SF-F-FPR2130T	CISCO	SEC EA 2.0 CHOICE FPR2130 THREAT DEFENSE THREAT, M CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
57	E2SF-F-FPR4125T	CISCO	SEC EA 2.0 CHOICE FPR4125 THREAT DEFENSE THREAT, M CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
58	E2SF-F-FPR9K-40T	CISCO	SEC EA 2.0 CHOICE FPR9K SM-40 TD THREAT, MALWARE,U CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
59	SVS-EA2-NGFW-SUP-B	CISCO	BASIC SUPPORT FOR NEXT-GEN FIREWALL CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
60	EA-DNAC-OFFER	CISCO	FOR QUALIFIED CISCO DNA EA CUSTOMERS ONLY. CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
61	DNA-SOLN-STARTER	CISCO	SOLUTION STARTER CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
62	DN2-HW-APL-XL-U	CISCO	DNA CENTER APPLIANCE (GEN 2)- 112 CORE FOR PROMOS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
63	CON-SSSNT-DN2HWXL	CISCO	SOLN SUPP 8X5XNBD DNA CENTER APPLIANCE (GEN 2) CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
64	DN2-PCIE-ID10GF	CISCO	INTEL X710-DA2 DUAL-PORT 10G SFP+ NIC CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
65	DN2-MSTOR-SD	CISCO	MINI STORAGE CARRIER FOR SD (HOLDS UP TO 2) CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
66	DN2-SD19T61X-EV	CISCO	1.9TB 2.5 INCH ENTERPRISE VALUE 6G SATA SSD CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
67	DN2-CPU-I8276	CISCO	INTEL 8276 2.2GHZ/165W 28C/38.50MB DCP DDR4 2933 M CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
68	DN2-SD38T61X-EV	CISCO	3.8TB 2.5 INCH ENTERPRISE VALUE 6G SATA SSD CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
69	DN2-SD480G61X-EV	CISCO	480GB 2.5 INCH ENTERPRISE VALUE 6G SATA SSD CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
70	DN2-TPM2-002	CISCO	TRUSTED PLATFORM MODULE 2.0 FOR UCS SERVERS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
71	DN2-C480-8HDD	CISCO	UCS C480 M5 DRIVE MODULE FOR 8X HDD CISCO NASPO - AR3227 MA #AR3227 & PA #3	3	Included	Included
72	DN2-RAID-M5HD	CISCO	CISCO 12G MODULAR RAID CONTROLLER WITH 4GB CACHE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
73	DN2-C480-CM	CISCO	UCS C480 M5 CPU MODULE W/O CPU, MEM CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
74	DN2-PSU1-1600W	CISCO	CISCO UCS 1600W AC POWER SUPPLY FOR RACK SERVER CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
75	DN2-SD-64G-S	CISCO	64GB SD CARD FOR UCS SERVERS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
76	DN2-PCIE-IQ10GF	CISCO	INTEL X710 QUAD-PORT 10G SFP+ NIC CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
77	DN2-MR-X32G2RT-H	CISCO	32GB DDR4-2933-MHZ RDIMM/2RX4/1.2V CISCO NASPO - AR3227 MA #AR3227 & PA #3	24	Included	Included
78	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
79	DNA-SW-2.1.2	CISCO	CISCO DNA CENTER SW 2.1.2 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
80	DN2-HW-APL-XL-LIC	CISCO	CISCO DNAC APPLIANCE LICENSE- 112 CORE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
81	DN2-HW-APL-XL	CISCO	DNA CENTER APPLIANCE (GEN 2) CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
82	CON-SSSNT-DN2HWXL	CISCO	SOLN SUPP 8X5XNBD DNA CENTER APPLIANCE (GEN 2) CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
83	DN2-SD38T61X-EV	CISCO	3.8TB 2.5 INCH ENTERPRISE VALUE 6G SATA SSD CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
84	DN2-SD-64G-S	CISCO	64GB SD CARD FOR UCS SERVERS CISCO NASPO - AR3227	2	Included	Included

			MA #AR3227 & PA #3			
85	DN2-PSU1-1600W	CISCO	CISCO UCS 1600W AC POWER SUPPLY FOR RACK SERVER CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
86	DN2-MSTOR-SD	CISCO	MINI STORAGE CARRIER FOR SD (HOLDS UP TO 2) CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
87	DN2-PCIE-ID10GF	CISCO	INTEL X710-DA2 DUAL-PORT 10G SFP+ NIC CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
88	DN2-RAID-M5HD	CISCO	CISCO 12G MODULAR RAID CONTROLLER WITH 4GB CACHE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
89	DN2-CPU-I8276	CISCO	INTEL 8276 2.2GHZ/165W 28C/38.50MB DCP DDR4 2933 M CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
90	DN2-SD480G6I1X-EV	CISCO	480GB 2.5 INCH ENTERPRISE VALUE 6G SATA SSD CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
91	DN2-C480-CM	CISCO	UCS C480 M5 CPU MODULE W/O CPU, MEM CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
92	DN2-PCIE-IQ10GF	CISCO	INTEL X710 QUAD-PORT 10G SFP+ NIC CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
93	DN2-C480-8HDD	CISCO	UCS C480 M5 DRIVE MODULE FOR 8X HDD CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
94	DN2-TPM2-002	CISCO	TRUSTED PLATFORM MODULE 2.0 FOR UCS SERVERS CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
95	DN2-SD19T61X-EV	CISCO	1.9TB 2.5 INCH ENTERPRISE VALUE 6G SATA SSD CISCO NASPO - AR3227 MA #AR3227 & PA #3	32	Included	Included
96	DN2-MR-X32G2RT-H	CISCO	32GB DDR4-2933-MHZ RDIMM/2RX4/1.2V CISCO NASPO - AR3227 MA #AR3227 & PA #3	48	Included	Included
97	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
98	DN2-HW-APL-XL-LIC	CISCO	CISCO DNAC APPLIANCE LICENSE- 112 CORE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
99	DNA-SW-2.1.2	CISCO	CISCO DNA CENTER SW 2.1.2 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
100	C9500-40X-A	CISCO	CATALYST 9500 40-PORT 10GIG SWITCH, NETWORK CISCO NASPO - AR3227 MA #AR3227 & PA #3	28	Included	Included
101	CON-SNT-C95004XA	CISCO	SNTC-8X5XNBD CATALYST 9500 40-PORT 10GIG SWITCH, CISCO NASPO - AR3227 MA #AR3227 & PA #3	28	Included	Included
102	NETWORK-PNP-LIC	CISCO	NETWORK PLUG-N-PLAY LICENSE FOR ZERO-TOUCH DEVICE CISCO NASPO - AR3227 MA #AR3227 & PA #3	28	Included	Included
103	PI-LFAS-T	CISCO	PRIME INFRASTRUCTURE LIFECYCLE & ASSURANCE TERM - CISCO NASPO - AR3227 MA #AR3227 & PA #3	84	Included	Included
104	PI-LFAS-AP-T-SY	CISCO	PI DEV LIC FOR LIFECYCLE & ASSURANCE TERM SY CISCO NASPO - AR3227 MA #AR3227 & PA #3	84	Included	Included
105	C9500-NW-A	CISCO	C9500 NETWORK STACK, ADVANTAGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	28	Included	Included
106	PWR-C4-950WAC-R/2	CISCO	950W AC CONFIG 4 POWER SUPPLY FRONT TO BACK CISCO NASPO - AR3227 MA #AR3227 & PA #3	28	Included	Included
107	CAB-TA-NA	CISCO	NORTH AMERICA AC TYPE A POWER CABLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	56	Included	Included
108	C9500-DNA-40X-A	CISCO	C9500 DNA ADVANTAGE, TERM LICENSES CISCO NASPO - AR3227 MA #AR3227 & PA #3	28	Included	Included
109	C9500-DNA-A-5Y	CISCO	DNA ADVANTAGE 5 YEAR LICENSE CISCO NASPO - AR3227 MA #AR3227 & PA #3	28	Included	Included
110	C9500-NM-8X	CISCO	CISCO CATALYST 9500 8 X 10GE NETWORK MODULE CISCO NASPO - AR3227 MA #AR3227 & PA #3	28	Included	Included
111	PWR-C4-950WAC-R	CISCO	950W AC CONFIG 4 POWER SUPPLY FRONT TO BACK CISCO NASPO - AR3227 MA #AR3227 & PA #3	28	Included	Included
112	S9500UK9-173	CISCO	CISCO CATALYST 9500 XE 17.3 UNIVERSAL CISCO NASPO - AR3227 MA #AR3227 & PA #3	28	Included	Included
113	C9300-48UXM-A	CISCO	CATALYST 9300 48-PORT(12 MGIG&36 2.5GBPS) NETWORK CISCO NASPO - AR3227 MA #AR3227 & PA #3	195	Included	Included

114	C9300-NW-A-48	CISCO	C9300 NETWORX ADVANTAGE, 48-PORT LICENSE CISCO NASPO - AR3227 MA #AR3227 & PA #3	195	Included	Included
115	PWR-C1-1100WAC-P/2	CISCO	1100W AC 80+ PLATINUM CONFIG 1 SECONDARY POWER CISCO NASPO - AR3227 MA #AR3227 & PA #3	195	Included	Included
116	CAB-TA-NA	CISCO	NORTH AMERICA AC TYPE A POWER CABLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	390	Included	Included
117	C9300-DNA-A-48	CISCO	C9300 DNA ADVANTAGE, 48-PORT TERM LICENSES CISCO NASPO - AR3227 MA #AR3227 & PA #3	195	Included	Included
118	C9300-DNA-A-48-5Y	CISCO	C9300 DNA ADVANTAGE, 48-PORT, 5 YEAR TERM LICENSE CISCO NASPO - AR3227 MA #AR3227 & PA #3	195	Included	Included
119	C1-ADD-OPTOUT	CISCO	CISCO ONE ADD-ON SESSION OPT OUT (NO FULFILLMENT) CISCO NASPO - AR3227 MA #AR3227 & PA #3	195	Included	Included
120	PI-LFAS-T	CISCO	PRIME INFRASTRUCTURE LIFECYCLE & ASSURANCE TERM - CISCO NASPO - AR3227 MA #AR3227 & PA #3	195	Included	Included
121	PI-LFAS-AP-T-5Y	CISCO	PI DEV LIC FOR LIFECYCLE & ASSURANCE TERM 5Y CISCO NASPO - AR3227 MA #AR3227 & PA #3	195	Included	Included
122	NETWORK-PNP-LIC	CISCO	NETWORK PLUG-N-PLAY LICENSE FOR ZERO-TOUCH DEVICE CISCO NASPO - AR3227 MA #AR3227 & PA #3	195	Included	Included
123	C9300-NM-NONE	CISCO	NO NETWORK MODULE SELECTED CISCO NASPO - AR3227 MA #AR3227 & PA #3	195	Included	Included
124	NM-BLANK-T1	CISCO	CISCO CATALYST TYPE 1 NETWORK MODULE BLANK CISCO NASPO - AR3227 MA #AR3227 & PA #3	195	Included	Included
125	C9300-STACK-NONE	CISCO	NO STACK CABLE SELECTED CISCO NASPO - AR3227 MA #AR3227 & PA #3	195	Included	Included
126	C9300-SPWR-NONE	CISCO	NO STACK POWER CABLE SELECTED CISCO NASPO - AR3227 MA #AR3227 & PA #3	195	Included	Included
127	PWR-C1-1100WAC-P	CISCO	1100W AC 80+ PLATINUM CONFIG 1 POWER SUPPLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	195	Included	Included
128	TE-EMBEDDED-T	CISCO	CISCO THOUSANDEYES ENTERPRISE AGENT IBN EMBEDDED CISCO NASPO - AR3227 MA #AR3227 & PA #3	195	Included	Included
129	TE-EMBEDDED-T-5Y	CISCO	THOUSANDEYES - ENTERPRISE AGENTS CISCO NASPO - AR3227 MA #AR3227 & PA #3	195	Included	Included
130	SC9300UK9-173	CISCO	UNIVERSAL CISCO NASPO - AR3227 MA #AR3227 & PA #3	195	Included	Included
131	C9300-SSD-PROMO	CISCO	CATALYST C9300 PLUGGABLE USB3.0 SSD STORAGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	195	Included	Included
132	C9500-16X-A	CISCO	CATALYST 9500 16-PORT 10GIG SWITCH, NETWORK CISCO NASPO - AR3227 MA #AR3227 & PA #3	9	Included	Included
133	CON-SNT-C9SK16XA	CISCO	SNTC-8X5XNBD CATALYST 9500 16-POR CISCO NASPO - AR3227 MA #AR3227 & PA #3	9	Included	Included
134	C9500-NW-A	CISCO	C9500 NETWORK STACK, ADVANTAGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	9	Included	Included
135	PWR-C4-950WAC-R/2	CISCO	950W AC CONFIG 4 POWER SUPPLY FRONT TO BACK CISCO NASPO - AR3227 MA #AR3227 & PA #3	9	Included	Included
136	CAB-TA-NA	CISCO	NORTH AMERICA AC TYPE A POWER CABLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	18	Included	Included
137	C9500-DNA-16X-A	CISCO	C9500 DNA ADVANTAGE, TERM LICENSES CISCO NASPO - AR3227 MA #AR3227 & PA #3	9	Included	Included
138	C9500-DNA-L-A-5Y	CISCO	DNA ADVANTAGE 5 YEAR LICENSE CISCO NASPO - AR3227 MA #AR3227 & PA #3	9	Included	Included
139	PI-LFAS-T	CISCO	PRIME INFRASTRUCTURE LIFECYCLE & ASSURANCE TERM - CISCO NASPO - AR3227 MA #AR3227 & PA #3	27	Included	Included
140	PI-LFAS-AP-T-5Y	CISCO	PI DEV LIC FOR LIFECYCLE & ASSURANCE TERM 5Y CISCO NASPO - AR3227 MA #AR3227 & PA #3	27	Included	Included
141	NETWORK-PNP-LIC	CISCO	NETWORK PLUG-N-PLAY LICENSE FOR ZERO-TOUCH DEVICE CISCO NASPO - AR3227 MA #AR3227 & PA #3	9	Included	Included
142	C9500-NM-8X	CISCO	CISCO CATALYST 9500 8 X 10GE NETWORK MODULE CISCO NASPO - AR3227 MA #AR3227 & PA #3	9	Included	Included
143	PWR-C4-950WAC-R	CISCO	950W AC CONFIG 4 POWER SUPPLY FRONT TO BACK CISCO NASPO - AR3227 MA #AR3227 & PA #3	9	Included	Included

144	S9500UK9-173	CISCO	CISCO CATALYST 9500 XE 17.3 UNIVERSAL CISCO NASPO - AR3227 MA #AR3227 & PA #3	9	Included	Included
145	C1000-8P-2G-L	CISCO	CATALYST 1000 8PORT GE, POE, 2X1G SFP CISCO NASPO - AR3227 MA #AR3227 & PA #3	34	Included	Included
146	CAB-16AWG-AC	CISCO	AC POWER CORD; 16AWG CISCO NASPO - AR3227 MA #AR3227 & PA #3	34	Included	Included
147	C1000-8T-E-2G-L	CISCO	CATALYST 1000 8PORT GE, EXT PS, 2X1G SFP CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
148	CAB-16AWG-AC	CISCO	AC POWER CORD; 16AWG CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
149	PWR-ADPT-18W	CISCO	POWER ADAPTOR, 18W, FOR CATALYST 1000 SWITCHES CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
150	C9300-48P-A	CISCO	CATALYST 9300 48-PORT POE+, NETWORK ADVANTAGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	437	Included	Included
151	C9300-NW-A-48	CISCO	C9300 NETWORK ADVANTAGE, 48-PORT LICENSE CISCO NASPO - AR3227 MA #AR3227 & PA #3	437	Included	Included
152	PWR-C1-715WAC-P/2	CISCO	715W AC 80+ PLATINUM CONFIG 1 SECONDARYPOWER CISCO NASPO - AR3227 MA #AR3227 & PA #3	437	Included	Included
153	CAB-TA-NA	CISCO	NORTH AMERICA AC TYPE A POWER CABLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	874	Included	Included
154	C9300-DNA-A-48	CISCO	C9300 DNA ADVANTAGE, 48-PORT TERM LICENSES CISCO NASPO - AR3227 MA #AR3227 & PA #3	437	Included	Included
155	C9300-DNA-A-48-5Y	CISCO	C9300 DNA ADVANTAGE, 48-PORT, 5 YEAR TERM LICENSE CISCO NASPO - AR3227 MA #AR3227 & PA #3	437	Included	Included
156	C1-ADD-OPTOUT	CISCO	CISCO ONE ADD-ON SESSION OPT OUT (NO FULFILLMENT) CISCO NASPO - AR3227 MA #AR3227 & PA #3	437	Included	Included
157	PI-LFAS-T	CISCO	PRIME INFRASTRUCTURE LIFECYCLE & ASSURANCE TERM - CISCO NASPO - AR3227 MA #AR3227 & PA #3	437	Included	Included
158	PI-LFAS-AP-T-5Y	CISCO	PI DEV LIC FOR LIFECYCLE & ASSURANCE TERM 5Y CISCO NASPO - AR3227 MA #AR3227 & PA #3	437	Included	Included
159	NETWORK-PNP-LIC	CISCO	NETWORK PLUG-N-PLAY LICENSE FOR ZERO-TOUCH DEVICE CISCO NASPO - AR3227 MA #AR3227 & PA #3	437	Included	Included
160	NM-BLANK-T1	CISCO	CISCO CATALYST TYPE 1 NETWORK MODULE BLANK CISCO NASPO - AR3227 MA #AR3227 & PA #3	437	Included	Included
161	C9300-NM-NONE	CISCO	NO NETWORK MODULE SELECTED CISCO NASPO - AR3227 MA #AR3227 & PA #3	437	Included	Included
162	C9300-STACK-NONE	CISCO	NO STACK CABLE SELECTED CISCO NASPO - AR3227 MA #AR3227 & PA #3	437	Included	Included
163	C9300-SPWR-NONE	CISCO	NO STACK POWER CABLE SELECTED CISCO NASPO - AR3227 MA #AR3227 & PA #3	437	Included	Included
164	PWR-C1-715WAC-P	CISCO	715W AC 80+ PLATINUM CONFIG 1 POWER SUPPLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	437	Included	Included
165	TE-EMBEDDED-T	CISCO	CISCO THOUSANDEYES ENTERPRISE AGENT IBN EMBEDDED CISCO NASPO - AR3227 MA #AR3227 & PA #3	437	Included	Included
166	TE-EMBEDDED-T-5Y	CISCO	THOUSANDEYES - ENTERPRISE AGENTS CISCO NASPO - AR3227 MA #AR3227 & PA #3	437	Included	Included
167	SC9300UK9-173	CISCO	UNIVERSAL CISCO NASPO - AR3227 MA #AR3227 & PA #3	437	Included	Included
168	C9300-SSD-NONE	CISCO	NO SSD CARD SELECTED CISCO NASPO - AR3227 MA #AR3227 & PA #3	437	Included	Included
169	C9300-NM-8X=	CISCO	CATALYST 9300 8 X 10GE NETWORK MODULE, SPARE CISCO NASPO - AR3227 MA #AR3227 & PA #3	520	Included	Included
170	C9407R	CISCO	CISCO CATALYST 9400 SERIES 7 SLOT CHASSIS CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
171	CON-SNT-C9407R	CISCO	SNTC-8X5XNBD CISCO CATALYST 9400	2	Included	Included

			CISCO NASPO - AR3227 MA #AR3227 & PA #3			
172	C9400-PWR-BLANK	CISCO	CISCO CATALYST 9400 SERIES POWER SUPPLY BLANK CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
173	C9400-S-BLANK	CISCO	CISCO CATALYST 9400 SERIES SLOT BLANK COVER CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
174	C9400-NW-A	CISCO	CISCO CATALYST 9400 NETWORK ADVANTAGE LICENSE CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
175	C9400-PWR-2100AC	CISCO	CISCO SYSTEMS : CISCO CATALYST 9400 SERIES 2100W CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
176	CAB-US520-C19-US	CISCO	14FT NEMA 5-15 TO IEC- C19 US CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
177	C9400-DNA-A	CISCO	CISCO CATALYST 9400 DNA ADVANTAGE TERM LICENSE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
178	C9400-DNA-A-5Y	CISCO	CISCO CATALYST 9400 DNA ADVANTAGE - 5 YEAR LICENSE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
179	PI-LFAS-T	CISCO	PRIME INFRASTRUCTURE LIFECYCLE & ASSURANCE TERM - CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
180	PI-LFAS-AP-T-5Y	CISCO	PI DEV LIC FOR LIFECYCLE & ASSURANCE TERM 5Y CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
181	C9400-SUP-1XL	CISCO	CISCO CATALYST 9400 SERIES SUPERVISOR 1XL MODULE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
182	C9400-SUP-1XL/2	CISCO	CISCO CATALYST 9400 SERIES REDUNDANT SUPERVISOR CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
183	C9400-LC-48S	CISCO	CISCO CATALYST 9400 SERIES 48-PORT GIGABIT CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
184	C9400-LC-24XS	CISCO	CISCO CATALYST 9400 SERIES 24-PORT 10 GIGABIT CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
185	NETWORK-PNP-LIC	CISCO	NETWORK PLUG-N-PLAY LICENSE FOR ZERO-TOUCH DEVICE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
186	C9400-LC-24XS	CISCO	CISCO CATALYST 9400 SERIES 24-PORT 10 GIGABIT CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
187	TE-EMBEDDED-T	CISCO	CISCO THOUSANDEYES ENTERPRISE AGENT IBN EMBEDDED CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
188	TE-EMBEDDED-T-5Y	CISCO	THOUSANDEYES - ENTERPRISE AGENTS CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
189	S9400UK9-173	CISCO	CISCO CATALYST 9400 XE 17.3 UNIVERSAL CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
190	C9400-SSD-PROMO	CISCO	CISCO CATALYST 9400 SERIES 240GB M2 SATA MEMORY (S CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
191	C9400-SSD-PROMO	CISCO	CISCO CATALYST 9400 SERIES 240GB M2 SATA MEMORY (S CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
192	STACK-T1-50CM=	CISCO	50CM TYPE 1 STACKING CABLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	418	Included	Included
193	CAB-SPWR-150CM=	CISCO	Catalyst 3750-X StackPower cable 150 cm spare CISCO NASPO - AR3227 MA #AR3227 & PA #3	104	Included	Included
194	STACK-T1-1M=	CISCO	CISCO STACKWISE 480 - STACKING CABLE - 3.3 FT CISCO NASPO - AR3227 MA #AR3227 & PA #3	104	Included	Included
195	CAB-SPWR-30CM=	CISCO	CATALYST 3750X STACK POWER CABLE 30 CM SPARE CISCO NASPO - AR3227 MA #AR3227 & PA #3	418	Included	Included
196	C9600-LC-24C=	CISCO	CISCO CATALYST 9600 SERIES 24-PORT 40GE/12-PORT 10 CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
197	C1111X-8P	CISCO	ISR 1100 8 PORTS DUAL GE WAN ETHERNET ROUTER W 8G CISCO NASPO - AR3227 MA #AR3227 & PA #3	55	Included	Included
198	CON-SSSNC-C11X8P11	CISCO	SOLN SUPP NCD ISR 1100 8 PORTS DUAL GE WAN ETHERNET RO CISCO NASPO - AR3227 MA #AR3227 & PA #3	55	Included	Included
199	PWR-66W-AC-V2	CISCO	POWER SUPPLY 66 WATT AC VERSION 2 FOR C890 PLATFOR CISCO NASPO - AR3227 MA #AR3227 & PA #3	55	Included	Included
200	SL-1100-8P-IPB	CISCO	IP BASE LICENSE FOR CISCO ISR 1100 8 PORST SERIES CISCO NASPO - AR3227 MA #AR3227 & PA #3	55	Included	Included
201	SL-1100-8P-SEC	CISCO	SECURITY LICENSE FOR CISCO ISR 1100 8P SERIES	55	Included	Included

			CISCO NASPO - AR3227 MA #AR3227 & PA #3			
202	CAB-AC	CISCO	AC POWER CORD, US - INCLUDED CISCO NASPO - AR3227 MA #AR3227 & PA #3	55	Included	Included
203	ACS-1100-RM-19	CISCO	CISCO SYSTEMS : CISCO 1100 SERIES ROUTER RACKMOUNT CISCO NASPO - AR3227 MA #AR3227 & PA #3	55	Included	Included
204	SISR1100UK9-173	CISCO	UNIVERSAL CISCO NASPO - AR3227 MA #AR3227 & PA #3	55	Included	Included
205	FL-1100-8P-HSEC	CISCO	IPSEC HSEC LICENSE FOR CISCO ISR 1100 8P SERIES CISCO NASPO - AR3227 MA #AR3227 & PA #3	55	Included	Included
206	C9130AXI-B	CISCO	CISCO CATALYST 9130AX SERIES CISCO NASPO - AR3227 MA #AR3227 & PA #3	1,700	Included	Included
207	CON-SNT-C9138IXI	CISCO	SNTC-8X5XNBD CISCO CATALYST 9130AX SERIES CISCO NASPO - AR3227 MA #AR3227 & PA #3	1,700	Included	Included
208	NETWORK-PNP-LIC	CISCO	NETWORK PLUG-N-PLAY LICENSE FOR ZERO-TOUCH DEVICE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1,700	Included	Included
209	AIR-AP-T-RAIL-R	CISCO	CEILING GRID CLIP AIRONET AP RECESSED MOUNT CISCO NASPO - AR3227 MA #AR3227 & PA #3	1,700	Included	Included
210	AIR-AP-BRACKET-1	CISCO	1040/1140/1260/3500 LOW PROFILE MOUNTING BRACKET CISCO NASPO - AR3227 MA #AR3227 & PA #3	1,700	Included	Included
211	SW9130AX-CAPWAP-K9	CISCO	CAPWAP SOFTWARE FOR CATALYST 9130AX CISCO NASPO - AR3227 MA #AR3227 & PA #3	1,700	Included	Included
212	C9130AX-DNA-OPTOUT	CISCO	CISCO DNA SUBSCRIPTION OPTOUT FOR C9130AX CISCO NASPO - AR3227 MA #AR3227 & PA #3	1,700	Included	Included
213	C9130-MULTI	CISCO	MINIMUM QUANTITY = 10 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1,700	Included	Included
214	C9800-40-K9	CISCO	CISCO CATALYST 9800-40 WIRELESS CONTROLLER CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
215	CON-SNT-C98004KA	CISCO	SNTC-8X5XNBD CISCO CATALYST 9800-40 WIRELESS CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
216	AIR-DNA-A-PROMO	CISCO	AIRONET CISCO PROMO DNA ADVANTAGE TERM LICENSES CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
217	DNA-A-PROMO-SY	CISCO	AIRONET CISCO PROMO DNA ADVANTAGE TERM LICENSES CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
218	D-DNAS-EXT-T	CISCO	CISCO DNA SPACES EXTEND OPTION FOR CISCO DNA 1YR CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
219	D-DNAS-EXT-SY	CISCO	CISCO DNA SPACES EXTEND OPTION FOR CISCO DNA 5Y CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
220	PI-LFAS-AP-T	CISCO	PRIME AP TERM LICENSES CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
221	PI-LFAS-AP-T-SY	CISCO	PI DEV LIC FOR LIFECYCLE & ASSURANCE TERM 5Y CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
222	AIR-DNA-A-T	CISCO	AIRONET AP LICENSE TERM LICENSES CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
223	AIR-DNA-A-T-SY	CISCO	AIRONET DNA ADVANTAGE 5 YEAR TERM LICENSE CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
224	AIR-DNA-NWSTACK-A	CISCO	AIR CISCO DNA PERPETUAL NETWORK STACK CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
225	C9800-AC-750W-R	CISCO	CISCO CATALYST 9800-40 750W AC POWER SUPPLY, CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
226	C9800-AC-750W-RED	CISCO	CISCO CATALYST 9800-40 750W AC POWER SUPPLY, CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
227	NETWORK-PNP-LIC	CISCO	NETWORK PLUG-N-PLAY LICENSE FOR ZERO-TOUCH DEVICE CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
228	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
229	SC980040K9-173	CISCO	CISCO CATALYST 9800-40 WIRELESS CONTROLLER CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included

230	C9800-L-F-K9	CISCO	CISCO CATALYST 9800-L WIRELESS CONTROLLER_FIBER CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
231	CON-SNT-C9800LFL	CISCO	SNTC-8X5XNBD CISCO CATALYST 9800-L WIRELESS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
232	CAB-AC-C5	CISCO	AC POWER CORD, TYPE C5, US CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
233	NETWORK-PNP-LIC	CISCO	NETWORK PLUG-N-PLAY LICENSE FOR ZERO-TOUCH DEVICE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
234	C9800-AC-110W	CISCO	CISCO CATALYST 9800 L WIRELESS CONTROLLER POWER CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
235	C9800L-RMNT	CISCO	C9800 WIRELESS CONTROLLER RACK MOUNT TRAY CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
236	SC9800LK9-173	CISCO	CISCO CATALYST 9800-L WIRELESS CONTROLLER CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
237	R-ISE-VML-K9=	CISCO	CISCO ISE VIRTUAL MACHINE LARGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
238	CON-ECMU-RISEVM9K	CISCO	SWSS UPGRADES CISCO ISE VIRTUAL MACHINE LARGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
239	SF-FMC-XVM-K9	CISCO	CISCO FIREPOWER MANAGEMENT CENTER, (XVM) FOR 25 DE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
240	CON-ECMU-SFFMCXV9	CISCO	SWSS UPGRADES CISCO FIREPOWER MANAGEMENT CENTER, (CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
241	HXAF2X0C-M5S	CISCO	CISCO HYPERCONVERGED SYSTEM CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
242	HX-FI-64S4	CISCO	UCS FABRIC INTERCONNECT 64S4 CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
243	CON-SNT-HXFI64S4	CISCO	SNTC-8X5XNBD UCS FABRIC INTERCONNECT 6454 CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
244	UCS-ACC-6332	CISCO	UCS 6332 CHASSIS ACCESSORY KIT CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
245	UCS-FAN-6332	CISCO	UCS 6332 FAN MODULE CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
246	N10-MGT016	CISCO	UCS MANAGER V4.0 CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
247	UCS-PSU-6332-AC	CISCO	UCS 6332 POWER SUPPLY/100-240VAC CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
248	CAB-C13-CBN	CISCO	CABINET JUMPER POWER CORD, 250VAC,16A,C14/C13 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
249	SFP-25G-AOC3M	CISCO	25GBASE ACTIVE OPTICAL SFP28 CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
250	SFP-25G-AOC5M	CISCO	25GBASE ACTIVE OPTICAL SFP28 CABLE, 5M CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
251	QSFP-100G-AOC5M	CISCO	100GBASE QSFP ACTIVE OPTICAL CABLE, 5M CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
252	HXAF240C-M5SX	CISCO	CISCO HYPERFLEX HX240C M5 ALL FLASH NODE CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
253	CON-SSSNT-AF240CSX	CISCO	SOLN SUPP 8X5XNBD CISCO HYPERFLEX HX240C M5 ALL FL CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
254	HX-MR-X64G2RT-H	CISCO	64GB DDR4-2933-MHZ RDIMM/2RX4/1.2V CISCO NASPO - AR3227 MA #AR3227 & PA #3	128	Included	Included
255	HX-SAS-M5HD	CISCO	CISCO 12G MODULAR SAS HBA FOR UP TO 26 DRIVES CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
256	HX-SD38T61X-EV	CISCO	3.8TB 2.5 INCH ENTERPRISE VALUE 6G SATA SSD CISCO NASPO - AR3227 MA #AR3227 & PA #3	56	Included	Included
257	HX-NVMEXPB-I375	CISCO	375GB 2.5IN INTEL OPTANE NVME EXTREME PERFORMANCE CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
258	HX-SD240GM1X-EV	CISCO	240GB 2.5 INCH ENTERPRISE VALUE 6G SATA SSD CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
259	HX-M2-240GB	CISCO	240GB SATA M.2	8	Included	Included

			CISCO NASPO - AR3227 MA #AR3227 & PA #3			
260	HX-MLOM-C25Q-04	CISCO	CISCO UCS VIC 1457 QUAD PORT 10/25G SFP28 CNA MLOM CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
261	HX-MSD-32G	CISCO	32GB MICRO SD CARD FOR UCS M5 SERVERS CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
262	HX-PSU1-1050W	CISCO	CISCO UCS 1050W AC POWER SUPPLY FOR RACK SERVER CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
263	CAB-C13-CBN	CISCO	CABINET JUMPER POWER CORD, 250VAC,16A,C14/C13 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
264	HX-RAILB-M4	CISCO	BALL BEARING RAIL KIT FOR C220 M4 AND C240 M4 RACK CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
265	UCS-MSTOR-M2	CISCO	MINI STORAGE CARRIER FOR M.2 SATA/NVME (HOLDS UP CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
266	UCSC-RNVME-240M5	CISCO	C240 M5 REAR NVME CABLE (1) CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
267	HXAF240C-BZL-M5SX	CISCO	HXAF240C M5 SECURITY BEZEL CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
268	UCSC-HS2-C240M5	CISCO	HEAT SINK FOR UCS C240 M5 RACK SERVERS CPUS ABOVE CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
269	UCSC-BBLKD-S2	CISCO	UCS C-SERIES M5 SFF DRIVE BLANKING PANEL CISCO NASPO - AR3227 MA #AR3227 & PA #3	136	Included	Included
270	HX-CPU-I6238R	CISCO	INTEL 6238R 2.2GHZ/165W 28C/38.5MB DDR4 2933MHZ CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
271	HX-RIS-1-240M5	CISCO	RISER 1 3PCIE SLOTS (X8, X16, X8); SLOT 3 REQ CPU CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
272	HX-RIS-2B-240M5	CISCO	RISER 2B 3PCIE SLOT(X8,X16,X8) SPPRTS GPU+REAR NVM CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
273	HX-VSP-7-0-FND2-D	CISCO	FACTORY INSTALLED -VSPHERE SW 7.0 2-CPU ENDUSER PR CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
274	HX-VSP-7-0-FND-DL	CISCO	FACTORY INSTALLED - VMWARE VSPHERE 7.0 FND SW DOWN CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
275	HX-VSP-EPL-5A	CISCO	VMWARE VSPHERE 6.X ENT PLUS (1 CPU), 5-YR, SUPPORT CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
276	CON-ISV1-VSXEPL5A	CISCO	VSPHERE ENTERPRISE PLUS FOR 1 CPU; ANNUAL LIST CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
277	HXDP-S001-5YR=	CISCO	CISCO HYPERFLEX HX DATA PLATFORM SW 5 YR CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
278	HXDPS001-5YR	CISCO	CISCO HYPERFLEX HX DATA PLATFORM SW SUBSCRIPTION 5 CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
279	DC-MGT-SAAS	CISCO	CISCO INTERSIGHT SAAS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
			60.00 MONTHS FROM 06-JUN-2021 TO 05-JUN-2026			
			AUTOMATICALLY RENEWS FOR : 12.0 MONTHS ON 06-JUN-2026 | BILLING FREQUENCY : PREPAID			
280	DC-MGT-SAAS-AD-C	CISCO	CISCO INTERSIGHT SAAS - ADVANTAGE (NEW) CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
281	DC-MGT-IMCS-1S	CISCO	IMC SUPERVISOR - ADVANCED - 1 SERVER LICENSE CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
282	DC-MGT-UCSC-1S	CISCO	UCS CENTRAL PER SERVER - 1 SERVER LICENSE CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
283	SVS-DCM-SUPT-BAS	CISCO	BASIC SUPPORT FOR DCM CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
284	FPR2110-BUN	CISCO	CISCO FIREPOWER 2110 MASTER BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
285	FPR2110-NGFW-K9	CISCO	CISCO FIREPOWER 2110 NGFW APPLIANCE, 1U CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
286	CON-SNT-FPR21FWN	CISCO	SNTC-8X5XNBD CISCO FIREPOWER 2110 NGFW APPLIANCE, CISCO NASPO - AR3227	2	Included	Included

			MA #AR3227 & PA #3			
287	CAB-AC	CISCO	AC POWER CORD, US - INCLUDED CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
288	FPR2K-SSD-BBLKD	CISCO	FIREPOWER 2000 SERIES SSD SLOT CARRIER CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
289	FPR2K-SSD100	CISCO	FIREPOWER 2000 SERIES SSD FOR FPR-2110/2120 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
290	SF-F2K-TD6.6-K9	CISCO	CISCO FIREPOWER THREAT DEFENSE SOFTWARE V6.6 FOR F CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
291	FPR4125-BUN	CISCO	CISCO FIREPOWER 4120 MASTER BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
292	FPR4125-NGFW-K9	CISCO	CISCO FIREPOWER 4125 NGFW APPLIANCE, 1U, 2 X CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
293	CON-SNT-FPR4125N	CISCO	SNTC-8X5XNBD CISCO FIREPOWER 4125 NGFW APPLIANCE, CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
294	FPR4K-RACK-MNT	CISCO	FIREPOWER 4000 SERIES RACK MOUNT KIT CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
295	FPR4K-S-FAN-	CISCO	FIREPOWER 4000 SERIES FAN - SIINGLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
296	FPR4K-NM-BLANK	CISCO	FIREPOWER 4000 SERIES NETWORK MODULE BLANK SLOT CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
297	FPR4K-SSD-BBLKD	CISCO	FIREPOWER 4000 SERIES SSD SLOT CARRIER CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
298	FPR4K-PWR-AC-1100	CISCO	FIREPOWER 4000 SERIES 1100W AC POWER SUPPLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
299	FPR4K-SSD800-	CISCO	FIREPOWER 4000 SERIES 800GB SSD FOR FPR-4145/4155 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
300	FPR4K-PWR-AC-1100	CISCO	FIREPOWER 4000 SERIES 1100W AC POWER SUPPLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
301	FPR4X-ACC-KIT2	CISCO	FPR4K HARDWARE ACCESSORY KIT CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
302	GLC-TE	CISCO	1000BASE-T SFP TRANSCEIVER MODULE FOR CATEGORY 5 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
303	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
304	SF-F4K-TD6.6-K9	CISCO	CISCO FIREPOWER THREAT DEFENSE SOFTWARE V6.6 FOR F CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
305	SF-F4KFXOS2.8.1-K9	CISCO	CISCO FIREPOWER EXTENSIBLE OPERATING SYSTEM V2.8.1 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
306	CAB-C13-C14-2M=	CISCO	POWER CORD JUMPER, C13-C14 CONNECTORS, 2 METER CISCO NASPO - AR3227 MA #AR3227 & PA #3	20	Included	Included
307	4PT-KIT-T2=	CISCO	4 POINT TYPE 1 RACK MOUNT KIT NEW CISCO NASPO - AR3227 MA #AR3227 & PA #3	100	Included	Included
308	SFP-10G-LR-S=	CISCO	10GBASE-LR SFP MODULE, ENTERPRISE-CLASS CISCO NASPO - AR3227 MA #AR3227 & PA #3	40	Included	Included
309	SFP-10G-SR-S=	CISCO	10GBASE-SR SFP MODULE ENTERPRISE-CLASS. CISCO NASPO - AR3227 MA #AR3227 & PA #3	500	Included	Included
310	SFP-H10GB-CU3M=	CISCO	3M 10GBASE-CU SFP+ CABLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	300	Included	Included
311	SFP-H10GB-CU1M=	CISCO	1M 10GBASE-CU SFP+ CBL CISCO NASPO - AR3227 MA #AR3227 & PA #3	300	Included	Included
312	SFP-H10GB-CU2M=	CISCO	10GBASE-CU SFP+ CABLE 2 METER CISCO NASPO - AR3227 MA #AR3227 & PA #3	300	Included	Included
313	SFP-H10GB-CU5M=	CISCO	10GBASE-CU SFP+ CABLE 5 METER CISCO NASPO - AR3227 MA #AR3227 & PA #3	300	Included	Included
314	SFP-H10GB-ACU10M=	CISCO	ACTIVE TWINAX CBL ASSY 10M CISCO NASPO - AR3227 MA #AR3227 & PA #3	300	Included	Included
315	SFP-H10GB-ACU7M=	CISCO	ACTIVE TWINAX CABLE ASSEMBLY 7M CISCO NASPO - AR3227 MA #AR3227 & PA #3	300	Included	Included

316	QSFP-100G-LR-S=	CISCO	100G QSFP28 100G-LR, 10KM SMF, DUPLEX, LC CONNECTO CISCO NASPO - AR3227 MA #AR3227 & PA #3	58	Included	Included
317	SFP-10G-LR-S=	CISCO	10GBASE-LR SFP MODULE, ENTERPRISE-CLASS CISCO NASPO - AR3227 MA #AR3227 & PA #3	250	Included	Included
318	SFP-10G-SR-S=	CISCO	10GBASE-SR SFP MODULE ENTERPRISE-CLASS. CISCO NASPO - AR3227 MA #AR3227 & PA #3	500	Included	Included
319	DCNM-SVR-11-K9=	CISCO	DCNM V11 - SW FOR SERVER - SPARE CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
320	CON-ECMU-DCNMSV11	CISCO	SWSS UPGRADES DCNM V11 - SW FOR SERVER CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
321	ACI-C9364C-APIC-B1	CISCO	ACI BUNDLE WITH 2 9364C AND APIC CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
322	N9K-C9364C	CISCO	NEXUS 9K ACI & NX-OS SPINE, 64P 40/100G QSFP28 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
323	CON-SNT-N9364C	CISCO	SNTC-8X5XNBD NEXUS 9K ACI NX-OS SPINE, 64P 40 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
324	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
325	N9K-C9300-RMK	CISCO	NEXUS 9300 RACK MOUNT KIT CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
326	NXA-PAC-1200W-PE	CISCO	NEXUS NEBS AC 1200W PSU - PORT SIDE EXHAUST CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
327	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
328	NXA-FAN-160CFM-PE	CISCO	NEXUS FAN, 160CFM, PORT SIDE EXHAST AIRFLOW CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
329	MODE-ACI-SPINE	CISCO	DUMMY PID FOR MODE SELECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
330	N9K-C9300-ACK	CISCO	NEXUS 9300 ACCESSORY KIT CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
331	APIC-CLUSTER-L3	CISCO	APIC CLUSTER - LARGE CONFIGURATIONS (> 1200 EDGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
332	CON-SSSNT-APICCLL3	CISCO	SOLN SUPP 8X5XNBD APIC CLUSTER - LARGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
333	APIC-SERVER-L3	CISCO	APIC APPLIANCE - LARGE CONFIG. (> 1200 EDGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
334	APIC-DK9-4.2	CISCO	APIC BASE SOFTWARE RELEASE 4.2 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
335	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
336	APIC-PCIE-C25Q-04	CISCO	CISCO UCS VIC 1455 QUAD PORT 10/25G SFP28 CNA PCIE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
337	APIC-PSU1-770W	CISCO	770W POWER SUPPLY FOR USC C-SERIES CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
338	APIC-USBFLSHB-16GB	CISCO	UCS SERVERS 16GB FLASH USB DRIVE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
339	APIC-TPM2-002	CISCO	TRUSTED PLATFORM MODULE 2.0 FOR UCS SERVERS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
340	APIC-HD24TB10K4KN	CISCO	2.4 TB 12G SAS 10K RPM SFF HDD (4K) CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
341	APIC-SD400G123X-EP	CISCO	400GB 2.5IN ENTERPRISE PERFORMANCE 12G SAS SSD(3X CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
342	APIC-CPU-4110	CISCO	2.1 GHZ 4110/85W 8C/11MB CACHE/DDR4 2400MHZ CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
343	APIC-RAID-M5	CISCO	CISCO 12G MODULAR RAID CONTROLLER WITH 2GB CACHE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
344	APIC-SERVER-L3	CISCO	APIC APPLIANCE - LARGE CONFIG. (> 1200 EDGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
345	APIC-DK9-4.2	CISCO	APIC BASE SOFTWARE RELEASE 4.2	1	Included	Included

			CISCO NASPO - AR3227 MA #AR3227 & PA #3			
346	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
347	APIC-PCIE-C25Q-04	CISCO	CISCO UCS VIC 1455 QUAD PORT 10/25G SFP28 CNA PCIE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
348	APIC-PSU1-770W	CISCO	770W POWER SUPPLY FOR USC C-SERIES CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
349	APIC-USBFLSHB-16GB	CISCO	UCS SERVERS 16GB FLASH USB DRIVE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
350	APIC-TPM2-002	CISCO	TRUSTED PLATFORM MODULE 2.0 FOR UCS SERVERS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
351	APIC-HD24TB10K4KN	CISCO	2.4 TB 12G SAS 10K RPM SFF HDD (4K) CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
352	APIC-SD400G123X-EP	CISCO	400GB 2.5IN ENTERPRISE PERFORMANCE 12G SAS SSD(3X CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
353	APIC-CPU-4110	CISCO	2.1 GHZ 4110/85W 8C/11MB CACHE/DDR4 2400MHZ CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
354	APIC-RAID-M5	CISCO	CISCO 12G MODULAR RAID CONTROLLER WITH 2GB CACHE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
355	APIC-SERVER-L3	CISCO	APIC APPLIANCE - LARGE CONFIG. (> 1200 EDGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
356	APIC-DK9-4.2	CISCO	APIC BASE SOFTWARE RELEASE 4.2 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
357	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
358	APIC-PCIE-C25Q-04	CISCO	CISCO UCS VIC 1455 QUAD PORT 10/25G SFP28 CNA PCIE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
359	APIC-PSU1-770W	CISCO	770W POWER SUPPLY FOR USC C-SERIES CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
360	APIC-USBFLSHB-16GB	CISCO	UCS SERVERS 16GB FLASH USB DRIVE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
361	APIC-TPM2-002	CISCO	TRUSTED PLATFORM MODULE 2.0 FOR UCS SERVERS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
362	APIC-HD24TB10K4KN	CISCO	2.4 TB 12G SAS 10K RPM SFF HDD (4K) CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
363	APIC-SD400G123X-EP	CISCO	400GB 2.5IN ENTERPRISE PERFORMANCE 12G SAS SSD(3X CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
364	APIC-CPU-4110	CISCO	2.1 GHZ 4110/85W 8C/11MB CACHE/DDR4 2400MHZ CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
365	APIC-RAID-M5	CISCO	CISCO 12G MODULAR RAID CONTROLLER WITH 2GB CACHE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
366	APIC-MR-X16G1RT-H	CISCO	16GB DDR4-2933-MHZ RDIMM/1RX4/1.2V CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
367	APIC-MR-X16G1RT-H	CISCO	16GB DDR4-2933-MHZ RDIMM/1RX4/1.2V CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
368	APIC-MR-X16G1RT-H	CISCO	16GB DDR4-2933-MHZ RDIMM/1RX4/1.2V CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
369	N9K-C9348-FX-B24C	CISCO	2 NEXUS 9348GC-FXP W/ 8X 100G OPTICS CISCO NASPO - AR3227 MA #AR3227 & PA #3	11	Included	Included
370	CON-SNT-N9348FXC	CISCO	SNTC-8X5XNBD 2 NEXUS 9348GC-FXP W CISCO NASPO - AR3227 MA #AR3227 & PA #3	11	Included	Included
371	C1-SUBS-OPTOUT	CISCO	OPT OUT PID FOR C1 ADV SUBSCRIPTION USE ONLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	22	Included	Included
372	ACI-SW-OPT-OUT	CISCO	OPT OUT TO REMOVE MANDATORY TIER-LIC IN MODE-ACI-L CISCO NASPO - AR3227 MA #AR3227 & PA #3	22	Included	Included
373	MODE-ACI-LEAF	CISCO	DUMMY PID FOR MODE SELECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	22	Included	Included
374	N9K-C9348GC-FX-B	CISCO	BUNDLE PID FOR NEXUS 9348GC-FXP SWITCH CISCO NASPO - AR3227 MA #AR3227 & PA #3	11	Included	Included
375	CON-SNT-N9348FXB	CISCO	SNTC-8X5XNBD BUNDLE PID FOR NEXUS CISCO NASPO - AR3227 MA #AR3227 & PA #3	11	Included	Included

376	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	11	Included	Included
377	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	11	Included	Included
378	NXA-FAN-30CFM-F	CISCO	NEXUS 2K/3K SINGLE FAN, FORWAR CISCO NASPO - AR3227 MA #AR3227 & PA #3	33	Included	Included
379	NXA-PAC-350W-PE	CISCO	NEXUS NEBS AC 350W PSU - PORT SIDE EXHAUT CISCO NASPO - AR3227 MA #AR3227 & PA #3	22	Included	Included
380	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	22	Included	Included
381	NXK-PICK-BIDI	CISCO	PID TO SELECT QSFP-100G-SR-BD OPTIC IN THE BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	11	Included	Included
382	QSFP-40/100-SRBD	CISCO	100G AND 40GBASE SR-BIDI QSFP TRANSCEIVER, LC, CISCO NASPO - AR3227 MA #AR3227 & PA #3	44	Included	Included
383	N9K-C9348GC-FX-B	CISCO	BUNDLE PID FOR NEXUS 9348GC-FXP SWITCH CISCO NASPO - AR3227 MA #AR3227 & PA #3	11	Included	Included
384	CON-SNT-N9348FXB	CISCO	SNTC-8X5XNBD BUNDLE PID FOR NEXUS CISCO NASPO - AR3227 MA #AR3227 & PA #3	11	Included	Included
385	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	11	Included	Included
386	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	11	Included	Included
387	NXA-FAN-30CFM-F	CISCO	NEXUS 2K/3K SINGLE FAN, FORWAR CISCO NASPO - AR3227 MA #AR3227 & PA #3	33	Included	Included
388	NXA-PAC-350W-PE	CISCO	NEXUS NEBS AC 350W PSU - PORT SIDE EXHAUT CISCO NASPO - AR3227 MA #AR3227 & PA #3	22	Included	Included
389	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	22	Included	Included
390	NXK-PICK-BIDI	CISCO	PID TO SELECT QSFP-100G-SR-BD OPTIC IN THE BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	11	Included	Included
391	QSFP-40/100-SRBD	CISCO	100G AND 40GBASE SR-BIDI QSFP TRANSCEIVER, LC, CISCO NASPO - AR3227 MA #AR3227 & PA #3	44	Included	Included
392	QSFP-100G-AOC10M	CISCO	100GBASE QSFP ACTIVE OPTICAL CABLE, 10M CISCO NASPO - AR3227 MA #AR3227 & PA #3	44	Included	Included
393	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	22	Included	Included
394	QSFP-100G-AOC10M	CISCO	100GBASE QSFP ACTIVE OPTICAL CABLE, 10M CISCO NASPO - AR3227 MA #AR3227 & PA #3	44	Included	Included
395	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	22	Included	Included
396	NXK-AF-PI	CISCO	DUMMY PID FOR AIRFLOW SELECTION PORT-SIDE INTAKE CISCO NASPO - AR3227 MA #AR3227 & PA #3	22	Included	Included
397	N9K-C93180-FX-B24C	CISCO	2XNEXUS 93180YC-FX W/ 8X 100G OPTICS CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
398	CON-SNT-N93YCFXC	CISCO	SNTC-8X5XNBD 2XNEXUS 93180YC-FX W/ 8X CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
399	C1-SUBS-OPTOUT	CISCO	OPT OUT PID FOR C1 ADV SUBSCRIPTION USE ONLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
400	ACI-SW-OPT-OUT	CISCO	OPT OUT TO REMOVE MANDATORY TIER-LIC IN MODE-ACI-L CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
401	MODE-ACI-LEAF	CISCO	DUMMY PID FOR MODE SELECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
402	N9K-C93180YC-FX-B	CISCO	NEXUS 93180YC-FX BUNDLE PID CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
403	CON-SNT-N93YCFXB	CISCO	SNTC-8X5XNBD NEXUS 93180YC-FX BUN CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
404	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
405	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included

406	NXA-FAN-30CFM-F	CISCO	NEXUS 2K/3K SINGLE FAN, FORWAR CISCO NASPO - AR3227 MA #AR3227 & PA #3	32	Included	Included
407	NXA-PAC-500W-PE	CISCO	NEXUS NEBS AC 500W PSU - PORT SIDE EXHAUT CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
408	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
409	NXK-PICK-BIDI	CISCO	PID TO SELECT QSFP-100G-SR-BD OPTIC IN THE BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
410	QSFP-40/100-SRBD	CISCO	100G AND 40GBASE SR-BIDI QSFP TRANSCEIVER, LC, CISCO NASPO - AR3227 MA #AR3227 & PA #3	32	Included	Included
411	N9K-C93180YC-FX-B	CISCO	NEXUS 93180YC-FX BUNDLE PID CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
412	CON-SNT-N93YCFXB	CISCO	SNTC-8X5XNBD NEXUS 93180YC-FX BUN CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
413	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
414	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
415	NXA-FAN-30CFM-F	CISCO	NEXUS 2K/3K SINGLE FAN, FORWAR CISCO NASPO - AR3227 MA #AR3227 & PA #3	32	Included	Included
416	NXA-PAC-500W-PE	CISCO	NEXUS NEBS AC 500W PSU - PORT SIDE EXHAUT CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
417	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
418	NXK-PICK-BIDI	CISCO	PID TO SELECT QSFP-100G-SR-BD OPTIC IN THE BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
419	QSFP-40/100-SRBD	CISCO	100G AND 40GBASE SR-BIDI QSFP TRANSCEIVER, LC, CISCO NASPO - AR3227 MA #AR3227 & PA #3	32	Included	Included
420	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
421	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
422	NXK-AF-PI	CISCO	DUMMY PID FOR AIRFLOW SELECTION PORT-SIDE INTAKE CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
423	N9K-C93600CD-GX	CISCO	NEXUS 9300 WITH 28P 100G AND 8P 400G CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
424	CON-SNT-N9KC936G	CISCO	SNTC-8X5XNBD NEXUS 9300 WITH 28P 100G AND 8P 400G CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
425	NXOS-9.3.5	CISCO	NEXUS 9500, 9300, 3000 BASE NX-OS SOFTWARE REL 9.3 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
426	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
427	QSFP-100G-AOC10M	CISCO	100GBASE QSFP ACTIVE OPTICAL CABLE, 10M CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
428	C1-SUBS-OPTOUT	CISCO	OPT OUT PID FOR C1 ADV SUBSCRIPTION USE ONLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
429	NXA-FAN-35CFM-PE	CISCO	NEXUS 2K/3K/9K SINGLE FAN, 35CFM, PORT SIDE EXHAST CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
430	CAB-C13-C14-AC	CISCO	POWERCORD,C13TOC14(RECESSEDRECEPTACLE),10A CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
431	NXA-PAC-1100W-PE2	CISCO	NEXUS AC 1100W PSU - PORT SIDE EXHAUST CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
432	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
433	MODE-NXOS	CISCO	DUMMY PID FOR MODE SELECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
434	ACI-C9364C-APIC-B1	CISCO	ACI BUNDLE WITH 2 9364C AND APIC CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
435	N9K-C9364C	CISCO	NEXUS 9K ACI & NX-OS SPINE, 64P 40/100G QSFP28	2	Included	Included

			CISCO NASPO - AR3227 MA #AR3227 & PA #3			
436	CON-SNT-N9364C	CISCO	SNTC-8X5XNBD NEXUS 9K ACI NX-OS SPINE, 64P 40 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
437	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
438	N9K-C9300-RMK	CISCO	NEXUS 9300 RACK MOUNT KIT CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
439	NXA-PAC-1200W-PE	CISCO	NEXUS NEBS AC 1200W PSU - PORT SIDE EXHAUST CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
440	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
441	NXA-FAN-160CFM-PE	CISCO	NEXUS FAN, 160CFM, PORT SIDE EXHAST AIRFLOW CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
442	N9K-C9300-ACK	CISCO	NEXUS 9300 ACCESSORY KIT CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
443	MODE-ACI-SPINE	CISCO	DUMMY PID FOR MODE SELECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
444	APIC-CLUSTER-L3	CISCO	APIC CLUSTER - LARGE CONFIGURATIONS (> 1200 EDGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
445	CON-SSSNT-APICCLL3	CISCO	SOLN SUPP 8X5XNBD APIC CLUSTER - LARGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
446	APIC-SERVER-L3	CISCO	APIC APPLIANCE - LARGE CONFIG. (> 1200 EDGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
447	APIC-DK9-4.2	CISCO	APIC BASE SOFTWARE RELEASE 4.2 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
448	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
449	APIC-PCIE-C25Q-04	CISCO	CISCO UCS VIC 1455 QUAD PORT 10/25G SFP28 CNA PCIE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
450	APIC-PSU1-770W	CISCO	770W POWER SUPPLY FOR USC C-SERIES CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
451	APIC-USBFLSHB-16GB	CISCO	UCS SERVERS 16GB FLASH USB DRIVE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
452	APIC-TPM2-002	CISCO	TRUSTED PLATFORM MODULE 2.0 FOR UCS SERVERS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
453	APIC-HD24TB10K4KN	CISCO	2.4 TB 12G SAS 10K RPM SFF HDD (4K) CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
454	APIC-SD400G123X-EP	CISCO	400GB 2.5IN ENTERPRISE PERFORMANCE 12G SAS SSD(3X CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
455	APIC-CPU-4110	CISCO	2.1 GHZ 4110/85W 8C/11MB CACHE/DDR4 2400MHZ CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
456	APIC-RAID-MS	CISCO	CISCO 12G MODULAR RAID CONTROLLER WITH 2GB CACHE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
457	APIC-SERVER-L3	CISCO	APIC APPLIANCE - LARGE CONFIG. (> 1200 EDGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
458	APIC-DK9-4.2	CISCO	APIC BASE SOFTWARE RELEASE 4.2 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
459	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
460	APIC-PCIE-C25Q-04	CISCO	CISCO UCS VIC 1455 QUAD PORT 10/25G SFP28 CNA PCIE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
461	APIC-PSU1-770W	CISCO	770W POWER SUPPLY FOR USC C-SERIES CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
462	APIC-USBFLSHB-16GB	CISCO	UCS SERVERS 16GB FLASH USB DRIVE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
463	APIC-TPM2-002	CISCO	TRUSTED PLATFORM MODULE 2.0 FOR UCS SERVERS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
464	APIC-HD24TB10K4KN	CISCO	2.4 TB 12G SAS 10K RPM SFF HDD (4K) CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
465	APIC-SD400G123X-EP	CISCO	400GB 2.5IN ENTERPRISE PERFORMANCE 12G SAS SSD(3X CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included

466	APIC-CPU-4110	CISCO	2.1 GHZ 4110/85W 8C/11MB CACHE/DDR4 2400MHZ CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
467	APIC-RAID-M5	CISCO	CISCO 12G MODULAR RAID CONTROLLER WITH 2GB CACHE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
468	APIC-SERVER-L3	CISCO	APIC APPLIANCE - LARGE CONFIG. (> 1200 EDGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
469	APIC-DK9-4.2	CISCO	APIC BASE SOFTWARE RELEASE 4.2 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
470	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
471	APIC-PCIE-C25Q-04	CISCO	CISCO UCS VIC 1455 QUAD PORT 10/25G SFP28 CNA PCIE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
472	APIC-PSU1-770W	CISCO	770W POWER SUPPLY FOR USC C-SERIES CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
473	APIC-USBFLSHB-16GB	CISCO	UCS SERVERS 16GB FLASH USB DRIVE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
474	APIC-TPM2-002	CISCO	TRUSTED PLATFORM MODULE 2.0 FOR UCS SERVERS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
475	APIC-HD24TB10K4KN	CISCO	2.4 TB 12G SAS 10K RPM SFF HDD (4K) CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
476	APIC-SD400G123X-EP	CISCO	400GB 2.5IN ENTERPRISE PERFORMANCE 12G SAS SSD(3X CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
477	APIC-CPU-4110	CISCO	2.1 GHZ 4110/85W 8C/11MB CACHE/DDR4 2400MHZ CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
478	APIC-RAID-M5	CISCO	CISCO 12G MODULAR RAID CONTROLLER WITH 2GB CACHE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
479	APIC-MR-X16G1RT-H	CISCO	16GB DDR4-2933-MHZ RDIMM/1RX4/1.2V CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
480	APIC-MR-X16G1RT-H	CISCO	16GB DDR4-2933-MHZ RDIMM/1RX4/1.2V CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
481	APIC-MR-X16G1RT-H	CISCO	16GB DDR4-2933-MHZ RDIMM/1RX4/1.2V CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
482	N9K-C9348-FX-B24C	CISCO	2 NEXUS 9348GC-FXP W/ 8X 100G OPTICS CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
483	CON-SNT-N9348FXC	CISCO	SNTC-8X5XNBD 2 NEXUS 9348GC-FXP W CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
484	C1-SUBS-OPTOUT	CISCO	OPT OUT PID FOR C1 ADV SUBSCRIPTION USE ONLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
485	ACI-SW-OPT-OUT	CISCO	OPT OUT TO REMOVE MANDATORY TIER-LIC IN MODE-ACI-L CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
486	MODE-ACI-LEAF	CISCO	DUMMY PID FOR MODE SELECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
487	N9K-C9348GC-FX-B	CISCO	BUNDLE PID FOR NEXUS 9348GC-FXP SWITCH CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
488	CON-SNT-N9348FXB	CISCO	SNTC-8X5XNBD BUNDLE PID FOR NEXUS CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
489	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
490	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
491	NXA-FAN-30CFM-F	CISCO	NEXUS 2K/3K SINGLE FAN, FORWAR CISCO NASPO - AR3227 MA #AR3227 & PA #3	24	Included	Included
492	NXA-PAC-350W-PE	CISCO	NEXUS NEBS AC 350W PSU - PORT SIDE EXHAUT CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
493	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
494	NXK-PICK-BIDI	CISCO	PID TO SELECT QSFP-100G-SR-BD OPTIC IN THE BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
495	QSFP-40/100-SRBD	CISCO	100G AND 40GBASE SR-BIDI QSFP TRANSCEIVER, LC, CISCO NASPO - AR3227 MA #AR3227 & PA #3	32	Included	Included

496	N9K-C9348GC-FX-B	CISCO	BUNDLE PID FOR NEXUS 9348GC-FXP SWITCH CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
497	CON-SNT-N9348FXB	CISCO	SNTC-8X5XNBD BUNDLE PID FOR NEXUS CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
498	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
499	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
500	NXA-FAN-30CFM-F	CISCO	NEXUS 2K/3K SINGLE FAN, FORWAR CISCO NASPO - AR3227 MA #AR3227 & PA #3	24	Included	Included
501	NXA-PAC-350W-PE	CISCO	NEXUS NEBS AC 350W PSU - PORT SIDE EXHAUT CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
502	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
503	NXK-PICK-BIDI	CISCO	PID TO SELECT QSFP-100G-SR-BD OPTIC IN THE BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
504	QSFP-40/100-SRBD	CISCO	100G AND 40GBASE SR-BIDI QSFP TRANSCEIVER, LC, CISCO NASPO - AR3227 MA #AR3227 & PA #3	32	Included	Included
505	QSFP-100G-AOC10M	CISCO	100GBASE QSFP ACTIVE OPTICAL CABLE, 10M CISCO NASPO - AR3227 MA #AR3227 & PA #3	32	Included	Included
506	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
507	QSFP-100G-AOC10M	CISCO	100GBASE QSFP ACTIVE OPTICAL CABLE, 10M CISCO NASPO - AR3227 MA #AR3227 & PA #3	32	Included	Included
508	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
509	NXK-AF-PI	CISCO	DUMMY PID FOR AIRFLOW SELECTION PORT-SIDE INTAKE CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
510	N9K-C93180-FX-B24C	CISCO	2XNEXUS 93180YC-FX W/ 8X 100G OPTICS CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
511	CON-SNT-N93YCFXC	CISCO	SNTC-8X5XNBD 2XNEXUS 93180YC-FX W/ 8X CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
512	C1-SUBS-OPTOUT	CISCO	OPT OUT PID FOR C1 ADV SUBSCRIPTION USE ONLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
513	ACI-SW-OPT-OUT	CISCO	OPT OUT TO REMOVE MANDATORY TIER-LIC IN MODE-ACI-L CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
514	MODE-ACI-LEAF	CISCO	DUMMY PID FOR MODE SELECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
515	N9K-C93180YC-FX-B	CISCO	NEXUS 93180YC-FX BUNDLE PID CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
516	CON-SNT-N93YCFXB	CISCO	SNTC-8X5XNBD NEXUS 93180YC-FX BUN CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
517	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
518	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
519	NXA-FAN-30CFM-F	CISCO	NEXUS 2K/3K SINGLE FAN, FORWAR CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
520	NXA-PAC-500W-PE	CISCO	NEXUS NEBS AC 500W PSU - PORT SIDE EXHAUT CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
521	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
522	NXK-PICK-BIDI	CISCO	PID TO SELECT QSFP-100G-SR-BD OPTIC IN THE BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
523	QSFP-40/100-SRBD	CISCO	100G AND 40GBASE SR-BIDI QSFP TRANSCEIVER, LC, CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
524	N9K-C93180YC-FX-B	CISCO	NEXUS 93180YC-FX BUNDLE PID CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
525	CON-SNT-N93YCFXB	CISCO	SNTC-8X5XNBD NEXUS 93180YC-FX BUN CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included

526	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
527	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
528	NXA-FAN-30CFM-F	CISCO	NEXUS 2K/3K SINGLE FAN, FORWAR CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
529	NXA-PAC-500W-PE	CISCO	NEXUS NEBS AC 500W PSU - PORT SIDE EXHAUT CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
530	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
531	NXK-PICK-BIDI	CISCO	PID TO SELECT QSFP-100G-SR-BD OPTIC IN THE BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
532	QSFP-40/100-SRBD	CISCO	100G AND 40GBASE SR-BIDI QSFP TRANSCEIVER, LC, CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
533	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
534	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
535	NXK-AF-PI	CISCO	DUMMY PID FOR AIRFLOW SELECTION PORT-SIDE INTAKE CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
536	N9K-C93600CD-GX	CISCO	NEXUS 9300 WITH 28P 100G AND 8P 400G CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
537	CON-SNT-N9KC936G	CISCO	SNTC-8X5XNBD NEXUS 9300 WITH 28P 100G AND 8P 400G CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
538	NXOS-9.3.5	CISCO	NEXUS 9500, 9300, 3000 BASE NX-OS SOFTWARE REL 9.3 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
539	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
540	QSFP-100G-AOC10M	CISCO	100GBASE QSFP ACTIVE OPTICAL CABLE, 10M CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
541	C1-SUBS-OPTOUT	CISCO	OPT OUT PID FOR C1 ADV SUBSCRIPTION USE ONLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
542	NXA-FAN-35CFM-PE	CISCO	NEXUS 2K/3K/9K SINGLE FAN, 35CFM, PORT SIDE EXHAST CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
543	CAB-C13-C14-AC	CISCO	POWERCORD,C13TOC14(RECESSEDRECEPTACLE),10A CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
544	NXA-PAC-1100W-PE2	CISCO	NEXUS AC 1100W PSU - PORT SIDE EXHAUST CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
545	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
546	MODE-NXOS	CISCO	DUMMY PID FOR MODE SELECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
547	ACI-C9364C-APIC-B1	CISCO	ACI BUNDLE WITH 2 9364C AND APIC CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
548	N9K-C9364C	CISCO	NEXUS 9K ACI & NX-OS SPINE, 64P 40/100G QSFP28 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
549	CON-SNT-N9364C	CISCO	SNTC-8X5XNBD NEXUS 9K ACI NX-OS SPINE, 64P 40 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
550	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
551	N9K-C9300-RMK	CISCO	NEXUS 9300 RACK MOUNT KIT CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
552	NXA-PAC-1200W-PE	CISCO	NEXUS NEBS AC 1200W PSU - PORT SIDE EXHAUST CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
553	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
554	NXA-FAN-160CFM-PE	CISCO	NEXUS FAN, 160CFM, PORT SIDE EXHAST AIRFLOW CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
555	MODE-ACI-SPINE	CISCO	DUMMY PID FOR MODE SELECTION	2	Included	Included

			CISCO NASPO - AR3227 MA #AR3227 & PA #3			
556	N9K-C9300-ACK	CISCO	NEXUS 9300 ACCESSORY KIT CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
557	APIC-CLUSTER-L3	CISCO	APIC CLUSTER - LARGE CONFIGURATIONS (> 1200 EDGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
558	CON-SSSNT-APICCLL3	CISCO	SOLN SUPP 8X5XNBD APIC CLUSTER - LARGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
559	APIC-SERVER-L3	CISCO	APIC APPLIANCE - LARGE CONFIG. (> 1200 EDGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
560	APIC-DK9-4.2	CISCO	APIC BASE SOFTWARE RELEASE 4.2 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
561	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
562	APIC-PCIE-C25Q-04	CISCO	CISCO UCS VIC 1455 QUAD PORT 10/25G SFP28 CNA PCIE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
563	APIC-PSU1-770W	CISCO	770W POWER SUPPLY FOR USC C-SERIES CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
564	APIC-USBFLSHB-16GB	CISCO	UCS SERVERS 16GB FLASH USB DRIVE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
565	APIC-TPM2-002	CISCO	TRUSTED PLATFORM MODULE 2.0 FOR UCS SERVERS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
566	APIC-HD24TB10K4KN	CISCO	2.4 TB 12G SAS 10K RPM SFF HDD (4K) CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
567	APIC-SD400G123X-EP	CISCO	400GB 2.5IN ENTERPRISE PERFORMANCE 12G SAS SSD(3X CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
568	APIC-CPU-4110	CISCO	2.1 GHZ 4110/85W 8C/11MB CACHE/DDR4 2400MHZ CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
569	APIC-RAID-M5	CISCO	CISCO 12G MODULAR RAID CONTROLLER WITH 2GB CACHE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
570	APIC-SERVER-L3	CISCO	APIC APPLIANCE - LARGE CONFIG. (> 1200 EDGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
571	APIC-DK9-4.2	CISCO	APIC BASE SOFTWARE RELEASE 4.2 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
572	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
573	APIC-PCIE-C25Q-04	CISCO	CISCO UCS VIC 1455 QUAD PORT 10/25G SFP28 CNA PCIE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
574	APIC-PSU1-770W	CISCO	770W POWER SUPPLY FOR USC C-SERIES CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
575	APIC-USBFLSHB-16GB	CISCO	UCS SERVERS 16GB FLASH USB DRIVE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
576	APIC-TPM2-002	CISCO	TRUSTED PLATFORM MODULE 2.0 FOR UCS SERVERS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
577	APIC-HD24TB10K4KN	CISCO	2.4 TB 12G SAS 10K RPM SFF HDD (4K) CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
578	APIC-SD400G123X-EP	CISCO	400GB 2.5IN ENTERPRISE PERFORMANCE 12G SAS SSD(3X CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
579	APIC-CPU-4110	CISCO	2.1 GHZ 4110/85W 8C/11MB CACHE/DDR4 2400MHZ CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
580	APIC-RAID-M5	CISCO	CISCO 12G MODULAR RAID CONTROLLER WITH 2GB CACHE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
581	APIC-SERVER-L3	CISCO	APIC APPLIANCE - LARGE CONFIG. (> 1200 EDGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
582	APIC-DK9-4.2	CISCO	APIC BASE SOFTWARE RELEASE 4.2 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
583	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
584	APIC-PCIE-C25Q-04	CISCO	CISCO UCS VIC 1455 QUAD PORT 10/25G SFP28 CNA PCIE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
585	APIC-PSU1-770W	CISCO	770W POWER SUPPLY FOR USC C-SERIES CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included

586	APIC-USBFLSHB-16GB	CISCO	UCS SERVERS 16GB FLASH USB DRIVE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
587	APIC-TPM2-002	CISCO	TRUSTED PLATFORM MODULE 2.0 FOR UCS SERVERS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
588	APIC-HD24TB10K4KN	CISCO	2.4 TB 12G SAS 10K RPM SFF HDD (4K) CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
589	APIC-SD400G123X-EP	CISCO	400GB 2.5IN ENTERPRISE PERFORMANCE 12G SAS SSD(3X CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
590	APIC-CPU-4110	CISCO	2.1 GHZ 4110/85W 8C/11MB CACHE/DDR4 2400MHZ CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
591	APIC-RAID-M5	CISCO	CISCO 12G MODULAR RAID CONTROLLER WITH 2GB CACHE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
592	APIC-MR-X16G1RT-H	CISCO	16GB DDR4-2933-MHZ RDIMM/1RX4/1.2V CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
593	APIC-MR-X16G1RT-H	CISCO	16GB DDR4-2933-MHZ RDIMM/1RX4/1.2V CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
594	APIC-MR-X16G1RT-H	CISCO	16GB DDR4-2933-MHZ RDIMM/1RX4/1.2V CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
595	N9K-C93600CD-GX	CISCO	NEXUS 9300 WITH 28P 100G AND 8P 400G CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
596	CON-SNT-N9KC936G	CISCO	SNTC-8X5XNBD NEXUS 9300 WITH 28P 100G AND 8P 400G CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
597	NXOS-9.3.5	CISCO	NEXUS 9500, 9300, 3000 BASE NX-OS SOFTWARE REL 9.3 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
598	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
599	QSFP-100G-AOC10M	CISCO	100GBASE QSFP ACTIVE OPTICAL CABLE, 10M CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
600	C1-SUBS-OPTOUT	CISCO	OPT OUT PID FOR C1 ADV SUBSCRIPTION USE ONLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
601	NXA-FAN-35CFM-PE	CISCO	NEXUS 2K/3K/9K SINGLE FAN, 35CFM, PORT SIDE EXHAST CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
602	CAB-C13-C14-AC	CISCO	POWERCORD,C13TOC14(RECESSEDRECEPTACLE),10A CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
603	NXA-PAC-1100W-PE2	CISCO	NEXUS AC 1100W PSU - PORT SIDE EXHAUST CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
604	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
605	MODE-NXOS	CISCO	DUMMY PID FOR MODE SELECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
606	N9K-C9348-FX-B24C	CISCO	2 NEXUS 9348GC-FXP W/ 8X 100G OPTICS CISCO NASPO - AR3227 MA #AR3227 & PA #3	3	Included	Included
607	CON-SNT-N9348FXC	CISCO	SNTC-8X5XNBD 2 NEXUS 9348GC-FXP W CISCO NASPO - AR3227 MA #AR3227 & PA #3	3	Included	Included
608	C1-SUBS-OPTOUT	CISCO	OPT OUT PID FOR C1 ADV SUBSCRIPTION USE ONLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
609	ACI-SW-OPT-OUT	CISCO	OPT OUT TO REMOVE MANDATORY TIER-LIC IN MODE-ACI-L CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
610	MODE-ACI-LEAF	CISCO	DUMMY PID FOR MODE SELECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
611	N9K-C9348GC-FX-B	CISCO	BUNDLE PID FOR NEXUS 9348GC-FXP SWITCH CISCO NASPO - AR3227 MA #AR3227 & PA #3	3	Included	Included
612	CON-SNT-N9348FXB	CISCO	SNTC-8X5XNBD BUNDLE PID FOR NEXUS CISCO NASPO - AR3227 MA #AR3227 & PA #3	3	Included	Included
613	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	3	Included	Included
614	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	3	Included	Included
615	NXA-FAN-30CFM-F	CISCO	NEXUS 2K/3K SINGLE FAN, FORWAR CISCO NASPO - AR3227 MA #AR3227 & PA #3	9	Included	Included

616	NXA-PAC-350W-PE	CISCO	NEXUS NEBS AC 350W PSU - PORT SIDE EXHAUT CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
617	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
618	NXK-PICK-BIDI	CISCO	PID TO SELECT QSFP-100G-SR-BD OPTIC IN THE BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	3	Included	Included
619	QSFP-40/100-SRBD	CISCO	100G AND 40GBASE SR-BIDI QSFP TRANSCEIVER, LC, CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
620	N9K-C9348GC-FX-B	CISCO	BUNDLE PID FOR NEXUS 9348GC-FXP SWITCH CISCO NASPO - AR3227 MA #AR3227 & PA #3	3	Included	Included
621	CON-SNT-N9348FXB	CISCO	SNTC-8X5XNBD BUNDLE PID FOR NEXUS CISCO NASPO - AR3227 MA #AR3227 & PA #3	3	Included	Included
622	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	3	Included	Included
623	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	3	Included	Included
624	NXA-FAN-30CFM-F	CISCO	NEXUS 2K/3K SINGLE FAN, FORWAR CISCO NASPO - AR3227 MA #AR3227 & PA #3	9	Included	Included
625	NXA-PAC-350W-PE	CISCO	NEXUS NEBS AC 350W PSU - PORT SIDE EXHAUT CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
626	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
627	NXK-PICK-BIDI	CISCO	PID TO SELECT QSFP-100G-SR-BD OPTIC IN THE BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	3	Included	Included
628	QSFP-40/100-SRBD	CISCO	100G AND 40GBASE SR-BIDI QSFP TRANSCEIVER, LC, CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
629	QSFP-100G-AOC10M	CISCO	100GBASE QSFP ACTIVE OPTICAL CABLE, 10M CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
630	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
631	QSFP-100G-AOC10M	CISCO	100GBASE QSFP ACTIVE OPTICAL CABLE, 10M CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
632	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
633	NXK-AF-PI	CISCO	DUMMY PID FOR AIRFLOW SELECTION PORT-SIDE INTAKE CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
634	ACI-C9364C-APIC-B1	CISCO	ACI BUNDLE WITH 2 9364C AND APIC CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
635	N9K-C9364C	CISCO	NEXUS 9K ACI & NX-OS SPINE, 64P 40/100G QSFP28 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
636	CON-SNT-N9364C	CISCO	SNTC-8X5XNBD NEXUS 9K ACI NX-OS SPINE, 64P 40 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
637	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
638	N9K-C9300-RMK	CISCO	NEXUS 9300 RACK MOUNT KIT CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
639	NXA-PAC-1200W-PE	CISCO	NEXUS NEBS AC 1200W PSU - PORT SIDE EXHAUST CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
640	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
641	NXA-FAN-160CFM-PE	CISCO	NEXUS FAN, 160CFM, PORT SIDE EXHAST AIRFLOW CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
642	N9K-C9300-ACK	CISCO	NEXUS 9300 ACCESSORY KIT CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
643	MODE-ACI-SPINE	CISCO	DUMMY PID FOR MODE SELECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
644	APIC-CLUSTER-L3	CISCO	APIC CLUSTER - LARGE CONFIGURATIONS (> 1200 EDGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
645	CON-SSSNT-APICCLL3	CISCO	SOLN SUPP 8X5XNBD APIC CLUSTER - LARGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included

646	APIC-SERVER-L3	CISCO	APIC APPLIANCE - LARGE CONFIG. (> 1200 EDGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
647	APIC-DK9-4.2	CISCO	APIC BASE SOFTWARE RELEASE 4.2 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
648	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
649	APIC-PCIE-C25Q-04	CISCO	CISCO UCS VIC 1455 QUAD PORT 10/25G SFP28 CNA PCIE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
650	APIC-PSU1-770W	CISCO	770W POWER SUPPLY FOR USC C-SERIES CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
651	APIC-USBFLSHB-16GB	CISCO	UCS SERVERS 16GB FLASH USB DRIVE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
652	APIC-TPM2-002	CISCO	TRUSTED PLATFORM MODULE 2.0 FOR UCS SERVERS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
653	APIC-HD24TB10K4KN	CISCO	2.4 TB 12G SAS 10K RPM SFF HDD (4K) CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
654	APIC-SD400G123X-EP	CISCO	400GB 2.5IN ENTERPRISE PERFORMANCE 12G SAS SSD(3X CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
655	APIC-CPU-4110	CISCO	2.1 GHZ 4110/85W 8C/11MB CACHE/DDR4 2400MHZ CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
656	APIC-RAID-M5	CISCO	CISCO 12G MODULAR RAID CONTROLLER WITH 2GB CACHE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
657	APIC-SERVER-L3	CISCO	APIC APPLIANCE - LARGE CONFIG. (> 1200 EDGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
658	APIC-DK9-4.2	CISCO	APIC BASE SOFTWARE RELEASE 4.2 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
659	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
660	APIC-PCIE-C25Q-04	CISCO	CISCO UCS VIC 1455 QUAD PORT 10/25G SFP28 CNA PCIE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
661	APIC-PSU1-770W	CISCO	770W POWER SUPPLY FOR USC C-SERIES CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
662	APIC-USBFLSHB-16GB	CISCO	UCS SERVERS 16GB FLASH USB DRIVE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
663	APIC-TPM2-002	CISCO	TRUSTED PLATFORM MODULE 2.0 FOR UCS SERVERS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
664	APIC-HD24TB10K4KN	CISCO	2.4 TB 12G SAS 10K RPM SFF HDD (4K) CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
665	APIC-SD400G123X-EP	CISCO	400GB 2.5IN ENTERPRISE PERFORMANCE 12G SAS SSD(3X CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
666	APIC-CPU-4110	CISCO	2.1 GHZ 4110/85W 8C/11MB CACHE/DDR4 2400MHZ CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
667	APIC-RAID-M5	CISCO	CISCO 12G MODULAR RAID CONTROLLER WITH 2GB CACHE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
668	APIC-SERVER-L3	CISCO	APIC APPLIANCE - LARGE CONFIG. (> 1200 EDGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
669	APIC-DK9-4.2	CISCO	APIC BASE SOFTWARE RELEASE 4.2 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
670	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
671	APIC-PCIE-C25Q-04	CISCO	CISCO UCS VIC 1455 QUAD PORT 10/25G SFP28 CNA PCIE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
672	APIC-PSU1-770W	CISCO	770W POWER SUPPLY FOR USC C-SERIES CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
673	APIC-USBFLSHB-16GB	CISCO	UCS SERVERS 16GB FLASH USB DRIVE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
674	APIC-TPM2-002	CISCO	TRUSTED PLATFORM MODULE 2.0 FOR UCS SERVERS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
675	APIC-HD24TB10K4KN	CISCO	2.4 TB 12G SAS 10K RPM SFF HDD (4K) CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
676	APIC-SD400G123X-EP	CISCO	400GB 2.5IN ENTERPRISE PERFORMANCE 12G SAS SSD(3X CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included

677	APIC-CPU-4110	CISCO	2.1 GHZ 4110/85W 8C/11MB CACHE/DDR4 2400MHZ CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
678	APIC-RAID-M5	CISCO	CISCO 12G MODULAR RAID CONTROLLER WITH 2GB CACHE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
679	APIC-MR-X16G1RT-H	CISCO	16GB DDR4-2933-MHZ RDIMM/1RX4/1.2V CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
680	APIC-MR-X16G1RT-H	CISCO	16GB DDR4-2933-MHZ RDIMM/1RX4/1.2V CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
681	APIC-MR-X16G1RT-H	CISCO	16GB DDR4-2933-MHZ RDIMM/1RX4/1.2V CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
682	N9K-C93600CD-GX	CISCO	NEXUS 9300 WITH 28P 100G AND 8P 400G CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
683	CON-SNT-N9KC936G	CISCO	SNTC-8X5XNBD NEXUS 9300 WITH 28P 100G AND 8P 400G CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
684	NXOS-9.3.5	CISCO	NEXUS 9500, 9300, 3000 BASE NX-OS SOFTWARE REL 9.3 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
685	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
686	QSFP-100G-AOC10M	CISCO	100GBASE QSFP ACTIVE OPTICAL CABLE, 10M CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
687	C1-SUBS-OPTOUT	CISCO	OPT OUT PID FOR C1 ADV SUBSCRIPTION USE ONLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
688	NXA-FAN-35CFM-PE	CISCO	NEXUS 2K/3K/9K SINGLE FAN, 35CFM, PORT SIDE EXHAST CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
689	CAB-C13-C14-AC	CISCO	POWERCORD,C13TOC14(RECESSEDRECEPTACLE),10A CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
690	NXA-PAC-1100W-PE2	CISCO	NEXUS AC 1100W PSU - PORT SIDE EXHAUST CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
691	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
692	MODE-NXOS	CISCO	DUMMY PID FOR MODE SELECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
693	N9K-C93180-FX-B24C	CISCO	2XNEXUS 93180YC-FX W/ 8X 100G OPTICS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
694	CON-SNT-N93YCFXC	CISCO	SNTC-8X5XNBD 2XNEXUS 93180YC-FX W/ 8X CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
695	C1-SUBS-OPTOUT	CISCO	OPT OUT PID FOR C1 ADV SUBSCRIPTION USE ONLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
696	ACI-SW-OPT-OUT	CISCO	OPT OUT TO REMOVE MANDATORY TIER-UC IN MODE-ACI-L CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
697	MODE-ACI-LEAF	CISCO	DUMMY PID FOR MODE SELECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
698	N9K-C93180YC-FX-B	CISCO	NEXUS 93180YC-FX BUNDLE PID CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
699	CON-SNT-N93YCFXB	CISCO	SNTC-8X5XNBD NEXUS 93180YC-FX BUN CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
700	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
701	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
702	NXA-FAN-30CFM-F	CISCO	NEXUS 2K/3K SINGLE FAN, FORWAR CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
703	NXA-PAC-500W-PE	CISCO	NEXUS NEBS AC 500W PSU - PORT SIDE EXHAUT CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
704	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
705	NXK-PICK-BIDI	CISCO	PID TO SELECT QSFP-100G-SR-BD OPTIC IN THE BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
706	QSFP-40/100-SRBD	CISCO	100G AND 40GBASE SR-BIDI QSFP TRANSCEIVER, LC,	4	Included	Included

			CISCO NASPO - AR3227 MA #AR3227 & PA #3			
707	N9K-C93180YC-FX-B	CISCO	NEXUS 93180YC-FX BUNDLE PID CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
708	CON-SNT-N93YCFXB	CISCO	SNTC-8X5XNBD NEXUS 93180YC-FX BUN CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
709	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
710	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
711	NXA-FAN-30CFM-F	CISCO	NEXUS 2K/3K SINGLE FAN, FORWAR CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
712	NXA-PAC-500W-PE	CISCO	NEXUS NEBS AC 500W PSU - PORT SIDE EXHAUT CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
713	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
714	NXK-PICK-BIDI	CISCO	PID TO SELECT QSFP-100G-SR-BD OPTIC IN THE BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
715	QSFP-40/100-SRBD	CISCO	100G AND 40GBASE SR-BIDI QSFP TRANSCEIVER, LC, CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
716	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
717	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
718	NXK-AF-PI	CISCO	DUMMY PID FOR AIRFLOW SELECTION PORT-SIDE INTAKE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
719	N9K-C9348-FX-B24C	CISCO	2 NEXUS 9348GC-FXP W/ 8X 100G OPTICS CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
720	CON-SNT-N9348FXC	CISCO	SNTC-8X5XNBD 2 NEXUS 9348GC-FXP W CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
721	C1-SUBS-OPTOUT	CISCO	OPT OUT PID FOR C1 ADV SUBSCRIPTION USE ONLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
722	ACI-SW-OPT-OUT	CISCO	OPT OUT TO REMOVE MANDATORY TIER-LIC IN MODE-ACI-L CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
723	MODE-ACI-LEAF	CISCO	DUMMY PID FOR MODE SELECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
724	N9K-C9348GC-FX-B	CISCO	BUNDLE PID FOR NEXUS 9348GC-FXP SWITCH CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
725	CON-SNT-N9348FXB	CISCO	SNTC-8X5XNBD BUNDLE PID FOR NEXUS CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
726	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
727	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
728	NXA-FAN-30CFM-F	CISCO	NEXUS 2K/3K SINGLE FAN, FORWAR CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
729	NXA-PAC-350W-PE	CISCO	NEXUS NEBS AC 350W PSU - PORT SIDE EXHAUT CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
730	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
731	NXK-PICK-BIDI	CISCO	PID TO SELECT QSFP-100G-SR-BD OPTIC IN THE BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
732	QSFP-40/100-SRBD	CISCO	100G AND 40GBASE SR-BIDI QSFP TRANSCEIVER, LC, CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
733	N9K-C9348GC-FX-B	CISCO	BUNDLE PID FOR NEXUS 9348GC-FXP SWITCH CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
734	CON-SNT-N9348FXB	CISCO	SNTC-8X5XNBD BUNDLE PID FOR NEXUS CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
735	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
736	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND	2	Included	Included

			CISCO NASPO - AR3227 MA #AR3227 & PA #3			
737	NXA-FAN-30CFM-F	CISCO	NEXUS 2K/3K SINGLE FAN, FORWAR CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
738	NXA-PAC-350W-PE	CISCO	NEXUS NEBS AC 350W PSU - PORT SIDE EXHAUT CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
739	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
740	NXK-PICK-BIDI	CISCO	PID TO SELECT QSFP-100G-SR-BD OPTIC IN THE BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
741	QSFP-40/100-SRBD	CISCO	100G AND 40GBASE SR-BIDI QSFP TRANSCEIVER, LC, CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
742	QSFP-100G-AOC10M	CISCO	100GBASE QSFP ACTIVE OPTICAL CABLE, 10M CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
743	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
744	QSFP-100G-AOC10M	CISCO	100GBASE QSFP ACTIVE OPTICAL CABLE, 10M CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
745	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
746	NXK-AF-PI	CISCO	DUMMY PID FOR AIRFLOW SELECTION PORT-SIDE INTAKE CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
747	N9K-C93180YC-FX	CISCO	NEXUS 9300 WITH 48P 10/25G SFP+, 6P 100G QSFP, CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
748	CON-SNT-N93YCFX	CISCO	SNTC-8X5XNBD NEXUS 9300 WITH 48P CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
749	MODE-NXOS	CISCO	DUMMY PID FOR MODE SELECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
750	NXOS-10.1.1	CISCO	NEXUS 9500, 9300, 3000 BASE NX-OS SOFTWARE REL10.1 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
751	NXA-PAC-500W-PE	CISCO	NEXUS NEBS AC 500W PSU - PORT SIDE EXHAUT CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
752	CAB-9K12A-NA	CISCO	PWR CORD 125VAC 13A NEMA 5-15 PLUG NORTH AMERICA CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
753	NXA-FAN-30CFM-F	CISCO	NEXUS 2K/3K SINGLE FAN, FORWAR CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
754	C1A1TN9300XF-5Y	CISCO	ACI ADVANTAGE TERM N9300 XF, 5Y CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
			60.00 MONTHS-TERMS PREPAID			
755	SVS-B-N9K-ADV-XF	CISCO	EMBEDDED SWSS FOR NEXUS 9K CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
756	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
757	C9500-24Y4C-A	CISCO	CATALYST 9500 24X1/10/25G AND 4-PORT 40/100G, CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
758	CON-SNT-C9S024YA	CISCO	SNTC-8X5XNBD CATALYST 9500 24-PORT 25/100G ONLY, CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
759	C9500-NW-A	CISCO	C9500 NETWORK STACK, ADVANTAGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
760	C9K-PWR-650WAC-R	CISCO	650W AC CONFIG 4 POWER SUPPLY FRONT TO BACK CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
761	C9K-PWR-650WAC-R/2	CISCO	650W AC CONFIG 4 POWER SUPPLY FRONT TO BACK CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
762	CAB-9K12A-NA	CISCO	PWR CORD 125VAC 13A NEMA 5-15 PLUG NORTH AMERICA CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
763	C9K-T1-FANTRAY	CISCO	CATALYST 9500 TYPE 4 FRONT TO BACK COOLING FAN CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
764	C9500-DNA-24Y4C-A	CISCO	C9500 DNA ADVANTAGE, TERM LICENSE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included

765	C9500-DNA-L-A-5Y	CISCO	DNA ADVANTAGE 5 YEAR LICENSE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
766	PI-LFAS-T	CISCO	PRIME INFRASTRUCTURE LIFECYCLE & ASSURANCE TERM - CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
767	PI-LFAS-AP-T-5Y	CISCO	PI DEV LIC FOR LIFECYCLE & ASSURANCE TERM 5Y CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
768	NETWORX-PNP-LIC	CISCO	NETWORK PLUG-N-PLAY LICENSE FOR ZERO-TOUCH DEVICE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
769	SC9500HUK9-173	CISCO	CISCO CATALYST 9500H XE.17.3 UNIVERSAL CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
770	C9K-F1-SSD-240G	CISCO	CISCO PLUGGABLE SSD STORAGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
771	N9K-C9364C-GX	CISCO	NEXUS 9K ACI & NX-OS LEAF/SPINE, 64P 40/100G CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
772	CON-SNT-N9KC93CG	CISCO	SNTC-8X5XNBD NEXUS 9K ACI NX-OS LEAF/SPINE, 64P 40 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
773	QSFP-100G-AOC10M	CISCO	100GBASE QSFP ACTIVE OPTICAL CABLE, 10M CISCO NASPO - AR3227 MA #AR3227 & PA #3	16	Included	Included
774	NXOS-9.3.5	CISCO	NEXUS 9500, 9300, 3000 BASE NX-OS SOFTWARE REL 9.3 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
775	C1-SUBS-OPTOUT	CISCO	OPT OUT PID FOR C1 ADV SUBSCRIPTION USE ONLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
776	NXA-FAN-160CFM2PE	CISCO	NEXUS FAN, 160CFM, PORT SIDE EXHAST AIRFLOW CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
777	NXA-PAC-2KW-PE	CISCO	NEXUS 9000 2KW AC POWER SUPPLY, PORT-SIDE EXHAUST CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
778	N9K-C9300-ACK	CISCO	NEXUS 9300 ACCESSORY KIT CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
779	NXK-MEM-16GB	CISCO	ADDITIONAL MEMORY OF 16GB FOR NEXUS SWITCHES CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
780	N9K-C9300-RMK	CISCO	NEXUS 9300 RACK MOUNT KIT CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
781	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
782	CAB-C13-C14-AC	CISCO	POWERCORD,C13TOC14(RECESSEDRECEPTACLE),10A CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
783	MODE-NXOS	CISCO	DUMMY PID FOR MODE SELECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
784	N9K-C93600CD-GX	CISCO	NEXUS 9300 WITH 28P 100G AND 8P 400G CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
785	CON-SNT-N9KC936G	CISCO	SNTC-8X5XNBD NEXUS 9300 WITH 28P 100G AND 8P 400G CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
786	NXOS-9.3.5	CISCO	NEXUS 9500, 9300, 3000 BASE NX-OS SOFTWARE REL 9.3 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
787	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
788	QSFP-100G-AOC10M	CISCO	100GBASE QSFP ACTIVE OPTICAL CABLE, 10M CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
789	C1-SUBS-OPTOUT	CISCO	OPT OUT PID FOR C1 ADV SUBSCRIPTION USE ONLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
790	NXA-FAN-35CFM-PE	CISCO	NEXUS 2K/3K/9K SINGLE FAN, 35CFM, PORT SIDE EXHAST CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
791	CAB-C13-C14-AC	CISCO	POWERCORD,C13TOC14(RECESSEDRECEPTACLE),10A CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
792	NXA-PAC-1100W-PE2	CISCO	NEXUS AC 1100W PSU - PORT SIDE EXHAUST CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
793	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
794	MODE-NXOS	CISCO	DUMMY PID FOR MODE SELECTION	2	Included	Included

			CISCO NASPO - AR3227 MA #AR3227 & PA #3			
795	N9K-C9348-FX-B24C	CISCO	2 NEXUS 9348GC-FXP W/ 8X 100G OPTICS CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
796	CON-SNT-N9348FXC	CISCO	SNTC-8X5XNBD 2 NEXUS 9348GC-FXP W CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
797	C1-SUBS-OPTOUT	CISCO	OPT OUT PID FOR C1 ADV SUBSCRIPTION USE ONLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
798	ACI-SW-OPT-OUT	CISCO	OPT OUT TO REMOVE MANDATORY TIER-LIC IN MODE-ACI-L CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
799	MODE-ACI-LEAF	CISCO	DUMMY PID FOR MODE SELECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
800	N9K-C9348GC-FX-B	CISCO	BUNDLE PID FOR NEXUS 9348GC-FXP SWITCH CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
801	CON-SNT-N9348FXB	CISCO	SNTC-8X5XNBD BUNDLE PID FOR NEXUS CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
802	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
803	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
804	NXA-FAN-30CFM-F	CISCO	NEXUS 2K/3K SINGLE FAN, FORWAR CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
805	NXA-PAC-350W-PE	CISCO	NEXUS NEBS AC 350W PSU - PORT SIDE EXHAUT CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
806	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
807	NXK-PICK-BIDI	CISCO	PID TO SELECT QSFP-100G-SR-BD OPTIC IN THE BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
808	QSFP-40/100-SRBD	CISCO	100G AND 40GBASE SR-BIDI QSFP TRANSCEIVER, LC, CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
809	N9K-C9348GC-FX-B	CISCO	BUNDLE PID FOR NEXUS 9348GC-FXP SWITCH CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
810	CON-SNT-N9348FXB	CISCO	SNTC-8X5XNBD BUNDLE PID FOR NEXUS CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
811	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
812	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
813	NXA-FAN-30CFM-F	CISCO	NEXUS 2K/3K SINGLE FAN, FORWAR CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
814	NXA-PAC-350W-PE	CISCO	NEXUS NEBS AC 350W PSU - PORT SIDE EXHAUT CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
815	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
816	NXK-PICK-BIDI	CISCO	PID TO SELECT QSFP-100G-SR-BD OPTIC IN THE BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
817	QSFP-40/100-SRBD	CISCO	100G AND 40GBASE SR-BIDI QSFP TRANSCEIVER, LC, CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
818	QSFP-100G-AOC10M	CISCO	100GBASE QSFP ACTIVE OPTICAL CABLE, 10M CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
819	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
820	QSFP-100G-AOC10M	CISCO	100GBASE QSFP ACTIVE OPTICAL CABLE, 10M CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
821	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
822	NXK-AF-PI	CISCO	DUMMY PID FOR AIRFLOW SELECTION PORT-SIDE INTAKE CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
823	N9K-C93180-FX-B24C	CISCO	2XNEXUS 93180YC-FX W/ 8X 100G OPTICS CISCO NASPO - AR3227	2	Included	Included

			MA #AR3227 & PA #3			
824	CON-SNT-N93YCFXC	CISCO	SNTC-8X5XNBD 2XNEXUS 93180YC-FX W/ 8X CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
825	C1-SUBS-OPTOUT	CISCO	OPT OUT PID FOR C1 ADV SUBSCRIPTION USE ONLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
826	ACI-SW-OPT-OUT	CISCO	OPT OUT TO REMOVE MANDATORY TIER-LIC IN MODE-ACI-L CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
827	MODE-ACI-LEAF	CISCO	DUMMY PID FOR MODE SELECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
828	N9K-C93180YC-FX-B	CISCO	NEXUS 93180YC-FX BUNDLE PID CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
829	CON-SNT-N93YCFXB	CISCO	SNTC-8X5XNBD NEXUS 93180YC-FX BUN CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
830	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
831	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
832	NXA-FAN-30CFM-F	CISCO	NEXUS 2K/3K SINGLE FAN, FORWAR CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
833	NXA-PAC-500W-PE	CISCO	NEXUS NEBS AC 500W PSU - PORT SIDE EXHAUT CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
834	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
835	NXK-PICK-BIDI	CISCO	PID TO SELECT QSFP-100G-SR-BD OPTIC IN THE BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
836	QSFP-40/100-SRBD	CISCO	100G AND 40GBASE SR-BIDI QSFP TRANSCEIVER, LC, CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
837	N9K-C93180YC-FX-B	CISCO	NEXUS 93180YC-FX BUNDLE PID CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
838	CON-SNT-N93YCFXB	CISCO	SNTC-8X5XNBD NEXUS 93180YC-FX BUN CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
839	ACI-N9KDK9-14.2	CISCO	NEXUS 9500 OR 9300 ACI BASE SOFTWARE NX-OS REL CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
840	NXK-ACC-KIT-1RU	CISCO	NEXUS 3K/9K FIXED ACCESSORY KIT, 1RU FRONT AND CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
841	NXA-FAN-30CFM-F	CISCO	NEXUS 2K/3K SINGLE FAN, FORWAR CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
842	NXA-PAC-500W-PE	CISCO	NEXUS NEBS AC 500W PSU - PORT SIDE EXHAUT CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
843	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
844	NXK-PICK-BIDI	CISCO	PID TO SELECT QSFP-100G-SR-BD OPTIC IN THE BUNDLE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
845	QSFP-40/100-SRBD	CISCO	100G AND 40GBASE SR-BIDI QSFP TRANSCEIVER, LC, CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
846	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
847	QSFP-100G-CU3M	CISCO	100GBASE-CR4 PASSIVE COPPER CABLE, 3M CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
848	NXK-AF-PI	CISCO	DUMMY PID FOR AIRFLOW SELECTION PORT-SIDE INTAKE CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
849	TRN-CLC-002	CISCO	CISCO LEARNING PARTNER 500 TRAINING CREDITS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
850	FPR-C9300-AC	CISCO	FIREPOWER 9300 CHASSIS FOR AC POWER SUPPLY, 0 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
851	CON-SNT-FPRC93AC	CISCO	US ONLY SMARTNET NBD 8X5 FIREPOWER 9300 CHASS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
852	FPR9K-FAN	CISCO	FIREPOWER 9000 SERIES FAN CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
853	FPR9K-RMK	CISCO	FIREPOWER 9000 SERIES RACK MOUNT KIT CISCO NASPO - AR3227	1	Included	Included

			MA #AR3227 & PA #3			
854	GLC-TE	CISCO	1000BASE-T SFP TRANSCEIVER MODULE FOR CATEGORY 5 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
855	FPR9K-SM-SSD1.6TB-	CISCO	FIREPOWER 9000 SERIES 1.6TB SSD FOR SECURITY MODUL CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
856	FPR9K-SM-40	CISCO	FIREPOWER 9000 SERIES SECURITY MODULE - 40 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
857	CON-SNT-FPX9FKSM	CISCO	SNTC-8X5XNBD FIREPOWER 9000 SERIE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
858	SF-F9KASA9.12.1-K9	CISCO	CISCO ASA 9.12.1 SOFTWARE FOR FIREPOWER 9300 APPLI CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
859	FPR9K-SM-40	CISCO	FIREPOWER 9000 SERIES SECURITY MODULE - 40 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
860	CON-SNT-FPK9FKSM	CISCO	SNTC-8X5XNBD FIREPOWER 9000 SERIE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
861	SF-F9KASA9.12.1-K9	CISCO	CISCO ASA 9.12.1 SOFTWARE FOR FIREPOWER 9300 APPLI CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
862	FPR9K-SM-BLANK	CISCO	FIREPOWER 9000 SERIES SECURITY MODULE BLANK SLOT CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
863	FPR9K-NM-8X10G	CISCO	FIREPOWER 9000 SERIES - 8 PORT SFP+ NETWORK MODULE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
864	CON-SNT-FPR9KNM8	CISCO	SNTC-8X5XNBD FIREPOWER 9000 SERIES - 8 PORT SFP+ CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
865	FPR9K-NM-4X100G	CISCO	CISCO FIREPOWER 4 PORT 100G NETWORK MODULE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
866	CON-SNT-FP9KNM4G	CISCO	SNTC-8X5XNBD CISCO FIREPOWER 4 PORT 100G NETWORK M CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
867	FPR9K-SUP	CISCO	FIREPOWER 9000 SERIES SUPERVISOR CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
868	CON-SNT-FPR9KSUP	CISCO	US ONLY SMARTNET NBD 8X5 FIREPOWER 9000 SERIE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
869	SF-F9KFXOS2.6.1-K9	CISCO	CISCO FIREPOWER EXTENSIBLE OPERATING SYSTEM V2.6.1 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
870	FPR9K-PS-AC	CISCO	FIREPOWER 9000 SERIES AC POWER SUPPLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
871	CAB-C19-CBN	CISCO	CABINET JUMPER POWER CORD 250 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
872	FPR9K-FTD-BUN	CISCO	CISCO FPR9300 FTD BUNDLES FOR SECURITY MODULES CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
873	FPR-CH-9300-AC	CISCO	FIREPOWER 9300 CHASSIS FOR AC POWER SUPPLY 2 PSU CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
874	CON-SNT-FPRC93AC	CISCO	US ONLY SMARTNET NBD 8X5 FIREPOWER 9300 CHASS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
875	FPR9K-SM-BLANK	CISCO	FIREPOWER 9000 SERIES SECURITY MODULE BLANK SLOT CISCO NASPO - AR3227 MA #AR3227 & PA #3	3	Included	Included
876	FPR9K-FAN	CISCO	FIREPOWER 9000 SERIES FAN CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
877	FPR9K-RMK	CISCO	FIREPOWER 9000 SERIES RACK MOUNT KIT CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
878	GLC-TE	CISCO	1000BASE-T SFP TRANSCEIVER MODULE FOR CATEGORY 5 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
879	FPR9K-NM-8X10G	CISCO	FIREPOWER 9000 SERIES - 8 PORT SFP+ NETWORK MODULE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
880	CON-SNT-FPR9KNM8	CISCO	SNTC-8X5XNBD FIREPOWER 9000 SERIES - 8 PORT SFP+ CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
881	FPR9K-NM-4X100G	CISCO	CISCO FIREPOWER 4 PORT 100G NETWORK MODULE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
882	CON-SNT-FP9KNM4G	CISCO	SNTC-8X5XNBD CISCO FIREPOWER 4 PORT 100G NETWORK M CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
883	FPR9K-SUP	CISCO	FIREPOWER 9000 SERIES SUPERVISOR CISCO NASPO - AR3227	1	Included	Included

			MA #AR3227 & PA #3			
884	CON-SNT-FPR9KSUP	CISCO	US ONLY SMARTNET NBD 8X5 FIREPOWER 9000 SERIE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
885	FPR9K-PS-AC	CISCO	FIREPOWER 9000 SERIES AC POWER SUPPLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
886	CAB-C19-CBN	CISCO	CABINET JUMPER POWER CORD 250 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
887	SF-F9KFXOS2.8.1-K9	CISCO	CISCO FIREPOWER EXTENSIBLE OPERATING SYSTEM V2.8.1 - FPR9300 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
888	SF-F9K-TD6.6-K9	CISCO	CISCO FIREPOWER THREAT DEFENSE SOFTWARE V6.6 FOR FPR9300 CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
889	FPR9K-SM-40=	CISCO	FIREPOWER 9000 SERIES SECURITY MODULE - 40 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
890	CON-SNT-FPR9K0SM	CISCO	SNTC-8X5XNBD FIREPOWER 9000 SERIES SECURITY MODULE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
891	L-FPR9K-40T-T=	CISCO	CISCO FPR9K SM-40 THREAT DEFENSE THREAT PROTECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
892	L-FPR9K-40T-T-SY	CISCO	CISCO FPR9K SM-40 THREAT DEFENSE THREAT PROTECTION CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
893	L-FPR9K-TD-BASE=	CISCO	LICENSE TO RUN FIREPOWER THREAT DEFENSE ON CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
894	C8500-12X4QC	CISCO	CISCO CATALYST 8500-12X4QC EDGE PLATFORM CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
895	CON-SNT-C850QC12	CISCO	SNTC-8X5XNBD CISCO C8500-12X4QC S | 36 MOS. CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
896	MEM-C8500-16GB	CISCO	CISCO C8500 16GB DRAM CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
897	C8500-ACCKIT-19	CISCO	CISCO C8500 ACCESSORY KIT - 19" RACK CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
898	C8500-RFID-1R	CISCO	CISCO C8500 RFID - 1RU CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
899	NETWORK-PNP-LIC	CISCO	NETWORK PLUG-N-PLAY LICENSE FOR ZERO-TOUCH DEVICE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
900	C8000-HSEC	CISCO	U.S. EXPORT RESTRICTION COMPLIANCE LICENSE FOR C80 CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
901	SC8KAEPUK9-173	CISCO	UNIVERSAL CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
902	IOSXE-CTRL-MODE	CISCO	IOS XE SD-WAN BOOT UP MODE FOR UNIFIED IMAGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
903	PWR-CH1-750WACR	CISCO	CISCO C8500 750W AC POWER SUPPLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
904	SFP-H10GB-ACU10M	CISCO	ACTIVE TWINAX CABL ASSEMBLY 10M CISCO NASPO - AR3227 MA #AR3227 & PA #3	8	Included	Included
905	QSFP-40/100-SRBD	CISCO	100G AND 40GBASE SR-BIDI QSFP TRANSCEIVER, LC, CISCO NASPO - AR3227 MA #AR3227 & PA #3	2	Included	Included
906	CAB-C13-C14-2M	CISCO	2M PWR CORD JUMPR C13-C14 CONN CISCO NASPO - AR3227 MA #AR3227 & PA #3	4	Included	Included
907	C8300-1N1S-6T	CISCO	CISCO CATALYST C8300-1N1S-6T ROUTER CISCO NASPO - AR3227 MA #AR3227 & PA #3	76	Included	Included
908	CON-SNT-C830IN6T	CISCO	SNTC-8X5XNBD CISCO CATALYST C8300 CISCO NASPO - AR3227 MA #AR3227 & PA #3	76	Included	Included
909	MEM-C8300-8GB	CISCO	CISCO CATALYST 8300 EDGE 8GB MEMORY CISCO NASPO - AR3227 MA #AR3227 & PA #3	76	Included	Included
910	C8300-PIM-BLANK	CISCO	CISCO CATALYST 8300 EDGE PIM BLANK CISCO NASPO - AR3227 MA #AR3227 & PA #3	76	Included	Included
911	NETWORK-PNP-LIC	CISCO	NETWORK PLUG-N-PLAY LICENSE FOR ZERO-TOUCH DEVICE CISCO NASPO - AR3227 MA #AR3227 & PA #3	76	Included	Included
912	C-RFID-1R	CISCO	CISCO CATALYST 8000 EDGE RFID - 1RU CISCO NASPO - AR3227 MA #AR3227 & PA #3	76	Included	Included

913	C8000-HSEC	CISCO	U.S. EXPORT RESTRICTION COMPLIANCE LICENSE FOR C80 CISCO NASPO - AR3227 MA #AR3227 & PA #3	76	Included	Included
914	C8300-RM-19-1R	CISCO	CISCO CATALYST 8300 RACK MOUNT KIT - 19" 1R CISCO NASPO - AR3227 MA #AR3227 & PA #3	76	Included	Included
915	IOSXE-CTRL-MODE	CISCO	IOS XE SD-WAN BOOT UP MODE FOR UNIFIED IMAGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	76	Included	Included
916	SC8KBEUK9-173	CISCO	UNIVERSAL CISCO NASPO - AR3227 MA #AR3227 & PA #3	76	Included	Included
917	PWR-CC1-250WAC	CISCO	CISCO C8300 1RU 250W AC POWER SUPPLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	152	Included	Included
918	CAB-AC	CISCO	AC POWER CORD, US - INCLUDED CISCO NASPO - AR3227 MA #AR3227 & PA #3	152	Included	Included
919	NIM-PVDM-64	CISCO	NIM WITH 64-CHANNEL DSP CISCO NASPO - AR3227 MA #AR3227 & PA #3	76	Included	Included
920	NIM-2FXS/4FXOP	CISCO	2-PORT FXS/FXS-E/DID AND 4-PORT FXO NETWORK INTERFACE MODULE CISCO NASPO - AR3227 MA #AR3227 & PA #3	76	Included	Included
921	C-SM-NIM-ADPT	CISCO	CISCO CATALYST SM TO NIM MODULE ADAPTOR CISCO NASPO - AR3227 MA #AR3227 & PA #3	76	Included	Included
922	SSD-M2NVME-600G	CISCO	CISCO CATALYST 8000 EDGE SSD M.2 NVME 600GB CISCO NASPO - AR3227 MA #AR3227 & PA #3	76	Included	Included
923	C8300-1N1S-6T	CISCO	CISCO CATALYST C8300-1N1S-6T ROUTER CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
924	CON-SNT-C830IN6T	CISCO	SNTC-8X5XNBD CISCO CATALYST C8300 CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
925	MEM-C8300-8GB	CISCO	CISCO CATALYST 8300 EDGE 8GB MEMORY CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
926	C8300-PIM-BLANK	CISCO	CISCO CATALYST 8300 EDGE PIM BLANK CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
927	NETWORK-PNP-LIC	CISCO	NETWORK PLUG-N-PLAY LICENSE FOR ZERO-TOUCH DEVICE CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
928	C-RFID-1R	CISCO	CISCO CATALYST 8000 EDGE RFID - 1RU CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
929	C8000-HSEC	CISCO	U.S. EXPORT RESTRICTION COMPLIANCE LICENSE FOR C80 CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
930	C8300-RM-19-1R	CISCO	CISCO CATALYST 8300 RACK MOUNT KIT - 19" 1R CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
931	IOSXE-CTRL-MODE	CISCO	IOS XE SD-WAN BOOT UP MODE FOR UNIFIED IMAGE CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
932	SC8KBEUK9-173	CISCO	UNIVERSAL CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
933	PWR-CC1-250WAC	CISCO	CISCO C8300 1RU 250W AC POWER SUPPLY CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
934	CAB-AC	CISCO	AC POWER CORD, US - INCLUDED CISCO NASPO - AR3227 MA #AR3227 & PA #3	12	Included	Included
935	NIM-2FXS/4FXOP	CISCO	2-PORT FXS/FXS-E/DID AND 4-PORT FXO NETWORK CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
936	C-SM-NIM-ADPT	CISCO	CISCO CATALYST SM TO NIM MODULE ADAPTOR CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
937	NIM-PVDM-128	CISCO	NIM WITH 128-CHANNEL DSP CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
938	SSD-M2NVME-600G	CISCO	CISCO CATALYST 8000 EDGE SSD M.2 NVME 600GB CISCO NASPO - AR3227 MA #AR3227 & PA #3	6	Included	Included
939	VMW-VCS-STD-SA*	CISCO	VMWARE VCENTER 6 SERVER STANDARD, 5 YR SUPPORT CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
940	CON-ISV1-VCXSTDSA	CISCO	VCENTER SERVER STD FOR VSPHERE 1-INST; ANNUAL LIST CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
941	UCS-VMW-TERMS	CISCO	ACCEPTANCE OF TERMS, STANDALONE VMW LICENSE FOR CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included

			CISCO ADVANCED SERVICES			
942	AS-SEC-CNSLT	CISCO	US ONLY FOR SEC TECHNOLOGY CONSULTING ENGAGEMENTS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
943	AS-DNA-SDWAN-CNSLT	CISCO	CISCO DNA SDWAN CONSULTING SERVICE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
944	AS-SEC-ISE	CISCO	IDENTITY SERVICES ENGINE LIMITED DEPLOYMENT SERVIC E CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
945	AS-WLAN-CNSLT	CISCO	WIRELESS LAN TECHNOLOGY SUPPORT: CUSTOM FOR CENSUS CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
946	AS-DNA-SDA-CNSLT	CISCO	CISCO DNA SDA CONSULTING SERVICE CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
947	CON-AS-RS-OPT	CISCO	ADVANCED SERVICES CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included
948	RRPS	RED RIVER	PROFESSIONAL SERVICE-INSTALLATION	1	Included	Included
949	SMARTNET-0029149	CISCO	SMARTNET MAINTENANCE - ASSET LIST ATTACHED CISCO NASPO - AR3227 MA #AR3227 & PA #3	1	Included	Included

TOTAL $16,186,701.09

WE WELCOME YOUR FEEDBACK.

Please complete our customer survey at redriver.com/customer-survey.

Attention Contracting Domestic Orders placed against this quote may be subject to state sales tax (if applicable) unless your organization's tax exemption certificate for the appropriate state(s) is included in your order.

This quote is provided in accordance with FAR Part 13, 14, or 15. This quote is valid for 30 days unless otherwise noted within this quote. For terms and conditions please visit:

Terms and Conditions

REMIT TO:

Red River Technology LLC
PO Box 780924
Philadelphia, PA 19178-0924

NASPO ValuePoint
PARTICIPATING ADDENDUM

DATA COMMUNICATIONS PRODUCTS & SERVICES (2019-2026)
Led by the State of Utah

NASPO ValuePoint

Master Agreement #: AR3227

Participating Addendum #: 3

Contractor: **CISCO SYSTEMS, INC.**

Participating Entity: **STATE OF NEW HAMPSHIRE**

The following products or services are included in this contract portfolio:

- All products and services listed on the Contractor page of the NASPO ValuePoint website and/or Contactor's contract website.

Master Agreement Terms and Conditions:

1. Scope: This addendum covers Data Communications Products and Services led by the State of *Utah* for use by state agencies and other entities located in the Participating State *[or State Entity]* authorized by that State's statutes to utilize State contracts with the prior approval of the State's Chief Procurement Official.

2. Participation: This NASPO ValuePoint Master Agreement may be used by all state agencies, institutions of higher education, political subdivisions and other entities authorized to use statewide contracts in the State of New Hampshire. Issues of interpretation and eligibility for participation are solely within the authority of the State Chief Procurement Official.

   Within the State of New Hampshire, all state agencies, political subdivisions (cities, counties, municipalities, local governments), special districts or precincts, public educational entities (i.e. K-12 schools and Higher Education institutions) or any other political subdivision, including any nonprofit agency certified under the provisions of section 501(c) of the federal Internal Revenue Code, are eligible purchasers and authorized to purchase Contractor's products and services under the terms of this Participating Addendum.

3. Primary Contacts: The primary contact individuals for this Participating Addendum are as follows (or their named successors):

NASPO ValuePoint

Contractor

Name:	Gigi Feril
Address:	170 West Tasman Drive, San Jose, CA 95134
Telephone:	~~(408) 608-1729~~ 408-424-0712
Fax:	~~(408) 608-1882~~ 408-608-1729
Email:	nvp-help@cisco.com

Participating Entity

Name:	Jennifer Jack , Purchasing Agent- State of New Hampshire.
Address:	25 Capitol Street, Concord, NH 03301
Telephone:	603-271-3146
Fax:	603-271-7564
Email:	Jennifer.jack@das.nh.gov

4. Participating Entity Modifications Or Additions To The Master Agreement

These modifications or additions apply only to actions and relationships within the Participating Entity.

Participating Entity must check one of the boxes below.

[X] No changes to the terms and conditions of the Master Agreement are required.

[__] The following changes are modifying or supplementing the Master Agreement terms and conditions.

5. Lease Agreements and Alternative Financing Methods:

Contractor's Master Agreement which allows for leasing under Section 45 is approved for use by the Participating State. The terms and conditions of the capital lease or financing arrangement will be separately negotiated and set forth in an agreement between the purchaser and either Cisco Capital or its designated and/or approved financing partner.

6. Subcontractors:
All Contractor's Fulfillment Partners, as defined in the Master Agreement, authorized in the State of New Hampshire, as shown on the dedicated Contractor's (cooperative contract)

website, are approved to provide sales and service support to Participating Entities, e.g. for direct order taking, processing, fulfillment or provisioning. The Fulfillment Partners' participation will be in accordance with the terms and conditions set forth in the aforementioned Master Agreement.

Subject to approval of the Participating State/Entity, and at the sole discretion of Contractor, Contractor may add Fulfillment Partners at any time during the term of this Participating Addendum. Contractor may designate a minimum or maximum number of Fulfilment Partners to provide sales and services support. Contractor, in its sole discretion, is not required to add Fulfillment Partners. Notwithstanding the foregoing, Contractor may remove, at its sole discretion, upon ten (10) business days advance written notice, any Fulfillment Partner who does not meet Contractor's established qualifying criteria, or where the addition of the Fulfillment Partner would violate any state or federal law or regulation.

7. Orders: The Master Agreement number and the Participating Addendum Number must appear on every Purchase Order placed under this Participating Addendum

   Purchasers may place orders directly only through Contractor's approved Fulfillment Partners or through Contractor (only on an as-needed basis) for products or services as authorized under this Participating Addendum. Only those Fulfillment Partners approved and listed during the term of Participating Addendum at Contractor's website are authorized to directly provide quotes, receive purchase orders, invoice Customers, and receive payment from purchasers on Contractor's behalf.

   Except as otherwise set forth in the qualifying criteria, Contractor will not, directly or indirectly, restrict any Fulfillment Partner's participation or ability to quote pricing for a Customer. The approved Fulfillment Partners will not offer less favorable pricing discounts than the contract discounts established by Contractor under the Master Agreement. However, the Fulfillment Partner may offer any additional incremental discounts to Participating State/Entity, and such additional discounts if offered, may be provided in the discretion and as the sole legal obligation of the approved Fulfillment Partner to the Participating State/Entity.

   Any order placed by a Participating Entity or Purchasing Entity for a product and/or service under this Master Agreement shall be deemed to be a sale under (and governed by the prices and other terms and conditions) of the Master Agreement unless the parties to the order agree in writing that another contract or agreement applies to such order. For clarity, sales of Contractor's product or services by Contractor or an authorized reseller made under a separate contract, where the applicable quoting or ordering documents reference that separate contract, are not deemed to be sales under this Master Agreement.

8. The term of this Participating Addendum shall begin on the date of last signature below. The term shall continue for a period ending on the Termination Date of the Master

Agreement or when this Participating Addendum is terminated in accordance with the Master Agreement, whichever shall occur first.

9. Notices: Notwithstanding anything contained in the Master Agreement to the contrary, all notices required or permitted under this Participating Addendum will be in writing and will be deemed given: (a) when delivered personally; (b) when sent by confirmed facsimile or electronic mail (in the case of Cisco to Agreement-notice@cisco.com); (c) three (3) days after having been sent by registered or certified mail, return receipt requested, postage prepaid; or (d) one (1) day after deposit with a commercial express courier specifying next day delivery, with written verification of receipt. All communications will be sent to the addresses set forth Section 3 of this Participating Addendum (and notices to Cisco shall be further addressed to the Office of the General Counsel,

Attn: Contract Notice) or such other address as may be designated by a party by giving written notice to the other party pursuant to this paragraph, or, in the absence of such an address from Customer, to the address to which the last invoice under this Participating Addendum was sent before notice is served.
Notwithstanding the foregoing, notices regarding changes in pricing, Software license terms, policies or programs may be by posting on Cisco.com or by e-mail or fax.

10. Entire Agreement: This Participating Addendum and the Master Agreement (including all amendments and attachments thereto) constitute the entire agreement between the parties concerning the subject matter of this Participating Addendum and replaces any prior oral or written communications between the parties, all of which are excluded. There are no conditions, understandings, agreements, representations or warranties, expressed or implied, that are not specified herein. This Participating Addendum may be modified only by a written document executed by the parties hereto.

IN WITNESS, WHEREOF, the parties have executed this Addendum as of the last date of execution by both parties below.

Participating Entity: Dept of Administrative Services	Contractor:
Signature: Joseph Bouchard	Signature: Jennifer Pate
Name: Joseph Bouchard	Name: Jenn Pate
Title: DAS - Assistant Commissioner	Title: Authorized Signatory
Date: Jan. 29, 2021	Date: March 12, 2021

APPROVED BY LEGAL

Contract #: AR3227

STATE OF UTAH COOPERATIVE CONTRACT

1. CONTRACTING PARTIES: This contract is between the Utah Division of Purchasing and the following Contractor:

   Cisco Systems, Inc.
   Name

   170 West Tasman Dr.
   Street Address

   San Jose | CA | 95134
   City | *State* | *Zip*

   Vendor # VC0000118462 Commodity Code #: 920-05 Legal Status of Contractor: For-Profit Corporation

   Contact *Name:* Mimi Nguyen-Farr, Sr Manager *Phone Number:* (408) 527-2627 *Email:* mimnguye@cisco.com

2. CONTRACT PORTFOLIO NAME: Data Communications Products and Services.

3. GENERAL PURPOSE OF CONTRACT: Provide Data Communications Products and Services for the Award Categories provided in Attachment B – Scope of Work.

4. PROCUREMENT: This contract is entered into as a result of the procurement process on FY2018, Solicitation# SK18001.

5. CONTRACT PERIOD: Effective Date: Tuesday, October 01, 2019. Termination Date: Monday, September 30, 2024 unless terminated early or extended in accordance with the terms and conditions of this contract. Renewal Options: Two (2) one year renewal options.

6. Administrative Fee (if any): Contractor shall pay to NASPO ValuePoint, or its assignee, a NASPO ValuePoint Administrative Fee of one-quarter of one percent (0.25% or 0.0025) of contract sales no later than 60 days following the end of each calendar quarter. The NASPO ValuePoint Administrative Fee shall be submitted quarterly and is based on sales of the Services.

7. Prompt Payment Discount Details (if any): N/A.

8. ATTACHMENT A: NASPO ValuePoint Master Terms and Conditions, including the attached Exhibits
   ATTACHMENT B: Scope of Services Awarded to Contractor
   ATTACHMENT C: Pricing Discounts and Value Added Services
   ATTACHMENT D: [Reserved]

   Any conflicts between Attachment A and the other Attachments will be resolved in favor of Attachment A.

9. DOCUMENTS INCORPORATED INTO THIS CONTRACT BY REFERENCE BUT NOT ATTACHED:
   a. All other governmental laws, regulations, or actions applicable to the goods and/or services authorized by this contract.
   b. Utah Procurement Code, Procurement Rules, and Contractor's response to solicitation # SK18001.

10. Each signatory below represents that he or she has the requisite authority to enter into this contract.

    IN WITNESS WHEREOF, the parties sign and cause this contract to be executed. Notwithstanding verbal or other representations by the parties, the "Effective Date" of this Contract shall be the date provided within Section 5 above.

CONTRACTOR

Jennifer Pate — August 30, 2019
Contractor's signature — Date

Jenn Pate
Authorized Signatory

Type or Print Name and Title

DIVISION OF PURCHASING

Sep 4, 2019
Director, Division of Purchasing — Date

APPROVED BY LEGAL

Note: sections negotiated 1, 2, 5, 6, 7, 8, 10, 13, 14, 16, 17, 18, 19, 20, 22, 24, 25, 26, 27, 28, 29, 30, 32, 37, 38, 40, and 46.

NASPO ValuePoint

Attachment A: NASPO ValuePoint Master Agreement Terms and Conditions

1. Master Agreement Order of Precedence

a. Any Order placed under this Master Agreement shall consist of the following documents:

(1) A Participating Entity's Participating Addendum ("PA");

(2) NASPO ValuePoint Master Agreement Terms & Conditions;

(3), A Statement of Work, including a Service Level Agreement contained within the Statement of Work;

(4) The Solicitation; and

(5) Contractor's response to the Solicitation, as revised (if permitted) and accepted by the Lead State.

b. These documents shall be read to be consistent and complementary. Any conflict among these documents shall be resolved by giving priority to these documents in the order listed above. Contractor terms and conditions that apply to this Master Agreement are only those that are expressly accepted by the Lead State and must be in writing and attached to this Master Agreement as an Exhibit or Attachment.

2. Definitions

Unless otherwise provided in this Master Agreement, capitalized terms will have the meanings given to those terms in this section.

Administrative Data means data related to Purchasing Entity's employees or representatives used to administer or manage Purchasing Entity's use of the Cloud Software. Administrative Data may include Personal Data and information about contractual commitments, whether collected at the time of the initial registration or thereafter.

Cloud Software means a Contractor-hosted software offering as described in the applicable Cloud Offering Description purchased by Purchasing Entity; Purchasing Entity's license to use Cloud Software is set forth in Exhibit 1.

Contractor means the person or entity directly delivering Products or performing services under the terms and conditions set forth in this Master Agreement or through its approved Fulfillment Partners.

Data Breach means any actual, or reasonably suspected by Contractor's information technology security teams, non-authorized access to or acquisition of computerized Purchasing Entity Data or Personal Data that compromises the security, confidentiality, or integrity of the Non-Public Data or Personal Data, or the ability of Purchasing Entity to access the Purchasing Entity Data or Personal Data.

Disabling Code means computer instructions or programs, subroutines, code, instructions, data or functions, (including but not limited to viruses, worms, date bombs or time bombs), including but not limited to other programs, data storage, computer libraries and programs that self-replicate without

manual intervention, instructions programmed to activate at a predetermined time or upon a specified event, and/or programs purporting to do a meaningful function but designed for a different function, that alter, destroy, inhibit, damage, interrupt, interfere with or hinder the operation of the Purchasing Entity's' software, applications and/or its end users processing environment, the system in which it resides, or any other software or data on such system or any other system with which it is capable of communicating.

Embedded Software means one or more software applications which are installed and reside on a computing device owned by Purchasing Entity; Purchasing Entity's license to use Embedded Software is set forth in Exhibit 1.

Fulfillment Partner means a third-party contractor or reseller qualified and authorized by Contractor, and approved by the Participating Entity under a Participating Addendum, who may, to the extent authorized by Contractor, fulfill any of the requirements of this Master Agreement including but not limited to providing Services under this Master Agreement and billing Purchasing Entity directly for such Services. Contractor may, upon written notice to the Participating Entity, add or delete authorized Fulfillment Partners as necessary at any time during the contract term. Fulfillment Partner has no authority to amend this Master Agreement or to bind Contractor to any additional terms and conditions.

Intellectual Property means any and all patents, copyrights, service marks, trademarks, trade secrets, trade names, patentable inventions, or other similar proprietary rights, in tangible or intangible form, and all rights, title, and interest therein.

Lead State means the State centrally administering any resulting Master Agreement(s).

Master Agreement means the underlying agreement executed by and between the Lead State, acting on behalf of the NASPO ValuePoint program, and the Contractor, as now or hereafter amended.

NASPO ValuePoint is the NASPO Cooperative Purchasing Organization LLC, doing business as NASPO ValuePoint, a 501(c)(3) limited liability company that is a subsidiary organization the National Association of State Procurement Officials (NASPO), the sole member of NASPO ValuePoint. NASPO ValuePoint facilitates administration of the NASPO cooperative group contracting consortium of state chief procurement officials for the benefit of state departments, institutions, agencies, and political subdivisions and other eligible entities (i.e., colleges, school districts, counties, cities, some nonprofit organizations, etc.) for all states, the District of Columbia, and territories of the United States. NASPO ValuePoint is identified in the Master Agreement as the recipient of reports and may perform contract administration functions relating to collecting and receiving reports as well as other contract administration functions as assigned by the Lead State.

Order or **Purchase Order** means any purchase order, sales order, contract or other document used by a Purchasing Entity to order the Products and/or Services as authorized under the Master Agreement and Participating Addenda. For clarification purposes, "Blanket Purchase Order" is excluded from the scope of this Master Agreement. "Blanket Purchase Order" is an order that contains multiple delivery dates scheduled during the term of and/or post the expiration date of the Master Agreement, often negotiated to take advantage of predetermined or to lock-in pricing (i.e. from older Contractor pricelists).

Participating Addendum means a bilateral agreement executed by a Contractor and a Participating Entity incorporating this Master Agreement and any other additional Participating Entity specific language or other requirements, e.g. ordering procedures specific to the Participating Entity, other terms and conditions.

Participating Entity means a state in the United States of America, or other public sector legal entity (i.e. political subdivisions such as municipalities and counties, and K-12 and higher education institutions) in the United States of America, properly authorized to enter into a Participating Addendum.

Participating State means a state, the District of Columbia, or one of the territories of the United States who has the authority to execute a Participating Addendum to this Master Agreement. Upon execution of the Participating Addendum, a Participating State becomes a Participating Entity; however, a Participating State listed in the Request for Proposal is not required to participate through execution of a Participating Addendum.

Personal Data means data alone or in combination that includes information relating to an individual that identifies the individual by name, identifying number, mark or description can be readily associated with a

particular individual and which is not a public record. Personal Information may include the following personally identifiable information (PII): government-issued identification numbers (e.g., Social Security, driver's license, passport); financial account information, including account number, credit or debit card numbers; or Protected Health Information (PHI) relating to a person.

Product means any equipment, software (including embedded software), documentation, service or other deliverable supplied or created by the Contractor pursuant to this Master Agreement. The term Products, supplies and services, and products and services are used interchangeably in these terms and conditions.

Purchasing Entity means a state (as well as the District of Columbia and U.S territories), city, county, district, other political subdivision of a State, and a nonprofit organization under the laws of some states if authorized by a Participating Addendum, that issues a Purchase Order against the Master Agreement and becomes financially committed to the purchase.

Purchasing Entity Data means all information, whether in oral or written (including electronic) form, created by or in any way originating with a Participating Entity or Purchasing Entity provided or transferred to Contractor in the course of using the Services or Cloud Software provided under this Agreement. Purchasing Entity Data includes Administrative Data and does not include Telemetry Data or Statistical Data.

Services mean services that are in scope of this Master Agreement and are supplied or created by the Contractor pursuant to this Master Agreement (to include the attached Services Exhibit in Exhibit 2).

Security Incident means the actual or reasonably suspected by Contractor's information technology security teams, unauthorized access to Purchasing Entity Data and Personal Data that Contractor believes could reasonably result in the use, disclosure or theft of a Purchasing Entity's Data within the possession or control of the Contractor. A Security Incident may or may not turn into a Data Breach.

Service Level Agreement (SLA) means a written agreement between both the Purchasing Entity and the Contractor that is subject to the terms and conditions in this Master Agreement and relevant Participating Addendum (unless otherwise expressly agreed in writing between the Purchasing Entity and the Contractor). A Service Level Agreement may be memorialized within a Statement of Work for the Services. SLAs should include: (1) the technical service level performance promises, (i.e. metrics for performance and intervals for measure), (2) description of service quality, (3) identification of roles and responsibilities, (4) remedies, such as credits, and (5) an explanation of how remedies or credits are calculated and issued. Not every Service provided under this Master Agreement need be covered by a SLA.

Solicitation means the documents used by the State of Utah, as the Lead State, to obtain Contractor's Proposal.

Statement of Work means a written document agreed between Contractor and Purchasing Entity that defines Services and deliverables to be provided to Purchasing Entity.

Software means the binary image of Contractor computer programs (including Upgrades) which could be a downloadable file, delivered on physical media, pre-installed on the on-premise computer system, resident in ROM/Flash (system memory) or cloud-hosted and purchased from Contractor. Software may be either Embedded Software or Cloud Software. Purchasing Entity's license to use Software is set forth in Exhibit 1.

Statistical Data means any information/data that Contractor derives from Purchasing Entity Data and/or Telemetry Data, provided that such information/data is aggregated and/or de-identified such that it cannot reasonably be used to identify an individual or entity.

Telemetry Data means information generated by instrumentation and logging systems created through the use and operation of Contractor products and services.

NASPO ValuePoint Program Provisions

3. Term of the Master Agreement

a. The initial term of this Master Agreement is for five (5) years. This Master Agreement may be extended beyond the original contract period for two (2) additional years at the Lead State's discretion and by mutual agreement and upon review of requirements of Participating Entities, current market conditions, and Contractor performance.

b. The Master Agreement may be extended for a reasonable period of time, not to exceed six (6) months, if in the judgment of the Lead State a follow-on, competitive procurement will be unavoidably delayed (despite good faith efforts) beyond the planned date of execution of the follow-on master agreement. This subsection shall not be deemed to limit the authority of a Lead State under its state law otherwise to negotiate contract extensions.

4. Amendments

The terms of this Master Agreement shall not be waived, altered, modified, supplemented or amended in any manner whatsoever without prior written agreement of the Lead State and Contractor.

5. Participants and Scope

a. Contractor may not deliver Products under this Master Agreement until a Participating Addendum acceptable to the Participating Entity and Contractor is executed. The NASPO ValuePoint Master Agreement Terms and Conditions are applicable to any Order by a Participating Entity (and other Purchasing Entities covered by their Participating Addendum), except to the extent altered, modified, supplemented or amended by a Participating Addendum. By way of illustration and not limitation, this authority may apply to unique delivery and invoicing requirements, confidentiality requirements, defaults on Orders, governing law and venue relating to Orders by a Participating Entity, indemnification, and insurance requirements. Statutory or constitutional requirements relating to availability of funds may require specific language in some Participating Addenda in order to comply with applicable law. The expectation is that these alterations, modifications, supplements, or amendments will be addressed in the Participating Addendum or, with the consent of the Purchasing Entity and Contractor, may be included in the ordering document (e.g. purchase order or contract) used by the Purchasing Entity to place the Order.

b. Use of specific NASPO ValuePoint's Master Agreements by state agencies, political subdivisions and other Participating Entities (including cooperatives) authorized by individual state's statutes to use state contracts are subject to the approval of the respective State Chief Procurement Official. Issues of interpretation and eligibility for participation are solely within the authority of the respective State Chief Procurement Official.

c. Obligations under this Master Agreement are limited to those Participating Entities who have signed a Participating Addendum and Purchasing Entities within the scope of each Participating Addendum States or other entities permitted to participate may use an informal competitive process to determine which Master Agreements to participate in through execution of a Participating Addendum. Financial obligations of Participating Entities who are states are limited to the orders placed by the departments or other state agencies and institutions having available funds. Participating Entities who are states incur no financial obligations on behalf of other Purchasing Entities. Contractor shall email a fully executed PDF copy of each Participating Addendum to PA@naspovaluepoint.org to support documentation of participation and posting in appropriate databases.

d. NASPO Cooperative Purchasing Organization LLC, doing business as NASPO ValuePoint, is not a party to the Master Agreement. It is a nonprofit cooperative purchasing organization assisting states in administering the NASPO cooperative purchasing program for state government departments, institutions, agencies and political subdivisions (e.g., colleges, school districts,

counties, cities, etc.) for all 50 states, the District of Columbia and the territories of the United States.

e. Participating Addenda shall not be construed to amend the following provisions in this Master Agreement between the Lead State and Contractor that prescribe NASPO ValuePoint Program requirements: Term of the Master Agreement; Amendments; Participants and Scope; Administrative Fee; NASPO ValuePoint Summary and Detailed Usage Reports; NASPO ValuePoint Cooperative Program Marketing and Performance Review; NASPO ValuePoint eMarketCenter; Right to Publish; Price and Rate Guarantee Period; and Individual Purchasing Entity. Any such language shall be void and of no effect.

f. Participating Entities who are not states may under some circumstances sign their own Participating Addendum, subject to the consent to participation by the Chief Procurement Official of the state where the Participating Entity is located. Coordinate requests for such participation through NASPO ValuePoint. Any permission to participate through execution of a Participating Addendum is not a determination that procurement authority exists in the Participating Entity; they must ensure that they have the requisite procurement authority to execute a Participating Addendum.

g. **Resale.** "Resale" means any payment in exchange for transfer of tangible goods, software, or assignment of the right to services. Subject to any specific conditions included in the solicitation or Contractor's proposal as accepted by the Lead State, or as explicitly permitted in a Participating Addendum, Purchasing Entities may not resell Products (the definition of which includes services). Absent any such condition or explicit permission, this limitation does not prohibit: payments by employees of a Purchasing Entity for Products when purchased for the Purchasing Entity; sales of hardware Products to the general public as surplus property; and fees associated with inventory transactions with other governmental or nonprofit entities and consistent with a Purchasing Entity's laws and regulations. Any sale or transfer permitted by this subsection must be consistent with license rights granted for use of intellectual property. The transfer of licenses to software shall be subject to Contractor's then-current software transfer and relicensing policy.

6. Administrative Fees

a. The Contractor shall pay to NASPO ValuePoint, or its assignee, a NASPO ValuePoint Administrative Fee of one-quarter of one percent (0.25% or 0.0025) no later than sixty (60) days following the end of each calendar quarter. The NASPO ValuePoint Administrative Fee shall be submitted quarterly and is based on all sales of products and services under the Master Agreement (less any charges for taxes or shipping). The NASPO ValuePoint Administrative Fee is not negotiable. This fee is to be included as part of the pricing submitted with proposal.

b. Additionally, some states may require an additional fee be paid directly to the state only on purchases made by Purchasing Entities within that state. For all such requests, the fee level, payment method and schedule for such reports and payments will be incorporated into the Participating Addendum that is made a part of the Master Agreement. The Contractor may adjust the Master Agreement pricing accordingly for purchases made by Purchasing Entities within the jurisdiction of the state. All such agreements shall not affect the NASPO ValuePoint Administrative Fee percentage or the prices paid by the Purchasing Entities outside the jurisdiction of the state requesting the additional fee. The NASPO ValuePoint Administrative Fee in subsection 6a shall be based on the sum of all sales at Net Purchase Price at the adjusted prices (if any) in Participating Addenda, where "Net Purchase Price" is the Contractor's list price for an approved product or service minus all applicable contract discounts, rebates or value added incentives, and excluding sales, use or other applicable taxes, surcharges or like fees, to the extent applicable to an Order.

7. NASPO ValuePoint Summary and Detailed Usage Reports

In addition to other reports that may be required by this solicitation, the Contractor shall provide the following NASPO ValuePoint reports.

a. Summary Sales Data. The Contractor shall submit quarterly sales reports directly to NASPO ValuePoint using the NASPO ValuePoint Quarterly Sales/Administrative Fee Reporting Tool found at

http://calculator.naspovaluepoint.org. Any/all sales made under this Master Agreement shall be reported as cumulative totals by state. Even if Contractor experiences zero sales during a calendar quarter, a report is still required. Reports shall be due no later than sixty (60) days following the end of the calendar quarter (as specified in the reporting tool).

b. Detailed Sales Data. Contractor shall also report detailed sales data by: (1) state; (2) entity/Purchasing Entity type, e.g. local government, higher education, K12, non-profit; (3) Purchasing Entity name; (4) Purchasing Entity bill-to and ship-to locations; (4) Purchasing Entity and Contractor Purchase Order identifier/number(s); (5) Purchase Order Type (e.g. sales order, credit, return, upgrade, determined by industry practices); (6) Purchase Order date; (7) Ship Date; (8) and line item description, including product number if used. The report shall be submitted in any form required by the solicitation. Reports are due on a quarterly basis and must be received by the Lead State and NASPO ValuePoint Cooperative Development Team no later than thirty (30) days after the end of the reporting period. Reports shall be delivered to the Lead State and to the NASPO ValuePoint Cooperative Development Team electronically through a designated portal, email, CD-ROM, flash drive or other method as determined by the Lead State and NASPO ValuePoint. Detailed sales data reports shall include sales information for all sales under Participating Addenda executed under this Master Agreement. The format for the detailed sales data report is in Attachment H of the Solicitation.

c. Sales under Contractor's master agreement are intended for commercial, enterprise and government use only. Sales to employees for personal use are prohibited. [RESERVED].

d. Contractor shall provide the NASPO ValuePoint Cooperative Development Coordinator with an executive summary each quarter that includes, at a minimum, a list of states with an active Participating Addendum, states that Contractor is in negotiations with and any Participating Addendum roll out or implementation activities and issues. NASPO ValuePoint Cooperative Development Coordinator and Contractor will determine the format and content of the executive summary. The executive summary is due thirty (30) days after the conclusion of each calendar quarter.

e. Timely submission of these reports is a material requirement of the Master Agreement. The recipient of the reports shall have exclusive ownership of the media containing the reports. The Lead State and NASPO ValuePoint shall have a perpetual, irrevocable, non-exclusive, royalty free, transferable right to display, modify, copy, and otherwise use reports, data and information provided under this section.

8. **NASPO ValuePoint Cooperative Program Marketing, Training, and Performance Review**

a. Contractor agrees to work cooperatively with NASPO ValuePoint personnel. Contractor agrees to present plans to NASPO ValuePoint for the education of Contractor's contract administrator(s) and sales/marketing workforce regarding the Master Agreement contract, including the competitive nature of NASPO ValuePoint procurements, the Master Agreement and Participating Addendum process, and the manner in which qualifying entities can participate in the Master Agreement.

b. Contractor agrees, as Participating Addenda become executed, if requested by ValuePoint personnel to provide plans to launch the program within the participating state. Plans will include time frames to launch the agreement and confirmation that the Contractor's website has been updated to properly reflect the contract offer as available in the participating state.

c. Contractor agrees, absent anything to the contrary outlined in a Participating Addendum, to consider Purchasing Entity's proposed terms and conditions, as deemed important to the Purchasing Entity, for possible inclusion into the Purchasing Entity agreement. Contractor will ensure that their sales force is aware of this contracting option.

d. Contractor agrees to participate in an annual contract performance review at a location selected by the Lead State and NASPO ValuePoint, which may include a discussion of marketing action plans, target strategies, marketing materials, as well as Contractor reporting and timeliness of payment of administration fees.

e. Contractor acknowledges that the NASPO ValuePoint logos may not be used by Contractor in sales and marketing until a logo use agreement is executed with NASPO ValuePoint.

f. The Lead State expects to evaluate the utilization of the Master Agreement at the annual performance review. Lead State may, in its discretion, terminate the Master Agreement pursuant to section 35 or not exercise an option to renew, when Contractor utilization does not warrant further administration of the Master Agreement. The Lead State may exercise its right to not renew the Master Agreement if vendor fails to record or report revenue for three consecutive quarters, upon 60-calendar day written notice to the Contractor. Termination based on nonuse or under-utilization will not occur sooner than two years after award (or execution if later) of the Master Agreement. This subsection does not limit the discretionary right of either the Lead State or Contractor to terminate the Master Agreement pursuant to Section 35or to terminate for default pursuant to Section 37

9. NASPO ValuePoint eMarket Center

a. In July 2011, NASPO ValuePoint entered into a multi-year agreement with SciQuest, Inc. (doing business as JAGGAER) whereby JAGGAER will provide certain electronic catalog hosting and management services to enable eligible NASPO ValuePoint's Purchasing Entities' to access a central online website to view and/or shop the goods and services available from existing NASPO ValuePoint Cooperative Contracts. The central online website is referred to as the NASPO ValuePoint eMarket Center.

b. The Contractor will have visibility in the eMarket Center through Ordering Instructions. These Ordering Instructions are available at no cost to the Contractor and provide Purchasing Entity's information regarding the Contractor's website and ordering information. The Contractor is required at a minimum to participate in the eMarket Center through Ordering Instructions.

c. At a minimum, the Contractor agrees to the following timeline: NASPO ValuePoint eMarket Center Site Admin shall provide a written request to the Contractor to begin Ordering Instruction process. The Contractor shall have thirty (30) days from receipt of written request to work with NASPO ValuePoint to provide any unique information and ordering instructions that the Contractor would like the Purchasing Entity to have.

d. If the solicitation requires either a catalog hosted on or integration of a punchout site with eMarket Center, or either solution is proposed by a Contractor and accepted by the Lead State, the provisions of the eMarket Center Appendix to these NASPO ValuePoint Master Agreement Terms and Conditions apply.

10. Right to Publish

Throughout the duration of this Master Agreement, Contractor must secure from the Lead State prior approval for the release of information that pertains to the potential work or activities covered by the Master Agreement. This limitation does not preclude publication about the award of the Master Agreement or marketing activities consistent with any proposed and accepted marketing plan; nor does the limitation preclude Contractor providing limited information as necessary for Contractor to perform its duties or secure or exercise any rights under the Master Agreement. The Contractor shall not make any representations of NASPO ValuePoint's opinion or position as to the quality or effectiveness of the services that are the subject of this Master Agreement without prior written consent. Failure to adhere to this requirement may result in termination of the Master Agreement for cause.

11. Price and Rate Guarantee Period

All pricing must be guaranteed for the first year of the Master Agreement.

Following the guarantee period, any request for price increases must be for an equal guarantee period (1 year), and must be submitted to the Lead State at least thirty (30) calendar days prior to the effective date. The Lead State will review a documented request for an MSRP price list increase only after the Price Guarantee Period. Requests for price increases must include sufficient documentation supporting the request and demonstrating a reasonableness of the adjustment when comparing the current price list to the proposed price list. Documentation may include: the manufacturers national price increase

announcement letter, a complete and detailed description of what products are increasing and by what percentage, a complete and detailed description of what raw materials and/or other costs have increased and provide proof of increase, index data and other information to support and justify the increase.

No retroactive price increases will be allowed.

Price Reductions. In the event of a price decrease in any category of product at any time during the contract in an OEM's published commercial price list, including renewal options, the Lead State shall be notified immediately. All published commercial price list price reductions shall be effective upon the notification provided to the Lead State.

12. Individual Purchasing Entities

Except to the extent modified by a Participating Addendum, each Purchasing Entity shall follow the terms and conditions of the Master Agreement and applicable Participating Addendum and will have the same rights and responsibilities for their purchases as the Lead State has in the Master Agreement, including but not limited to, any indemnity or right to recover any costs as such right is defined in the Master Agreement and applicable Participating Addendum for their purchases. Each Purchasing Entity will be responsible for its own charges, fees, and liabilities. The Contractor will apply the charges and invoice each Purchasing Entity individually.

Administration of Orders

13. Ordering and Orders

a. Lead State desires that the Master Agreement identifier and purchase order numbers be clearly shown on all acknowledgments, shipping labels, packing slips, invoices, and on all correspondence. Any such information will be per Contractor's existing free form structure, without customization. The purchase order numbers reflect Contractor's Fulfillment Partner purchase order numbers; however, Contractor will request that its Fulfillment Partners use reasonable efforts to provide the Purchasing Entity's Purchase Order number in the free form notes.

b. Contractor reserves the right to require that purchases be made through Fulfillment Partners. Where so required by Contractor, Purchasing Entities shall not order Products and/or Services directly from Contractor and shall order same from Fulfillment Partner. Purchasing Entity shall purchase Products and/or Services by issuing a written or electronic Purchase Order, signed or (in the case of electronic transmission) sent by its authorized representative, indicating specific products, quantity, unit price, total purchase price, shipping instructions, requested delivery dates, bill-to and ship-to addresses, tax exempt certifications, if applicable, and any other special instructions.

c. Any contingencies on Purchasing Entity's Purchase Orders are not binding upon Contractor. The terms and conditions of this Master Agreement and applicable Participating Addendum prevail, regardless of any additional or conflicting terms on the Purchase Order, or other correspondence from Purchasing Entity to Contractor and any additional or conflicting terms are deemed rejected by Contractor unless Contractor has expressly agreed to such terms in writing. Mere acceptance or processing of a Purchase Order or Order containing such terms shall not constitute such express consent.

d. All Purchase Orders are subject to Contractor's reasonable acceptance (including performing any related credit checks). Contractor shall use commercially reasonable efforts to accept or reject orders in writing within ten (10) days from receipt, or within three (3) business days, if orders are placed electronically.

e. Purchasing Entity may defer product shipment up to thirty (30) days from the originally scheduled shipping date, provided written notice is received by Contractor at least ten (10) days before the originally scheduled shipping date. Cancelled orders, rescheduled deliveries, or product configuration changes made by Purchasing Entity less than ten (10)

days before the original shipping date are subject to Contractor's acceptance and a charge of fifteen percent (15%) of the total invoice amount relating to the affected Product(s). Contractor reserves the right to reschedule delivery due to configuration changes made within ten (10) days of scheduled shipment. No cancellation shall be accepted by Contractor where products are purchased with implementation services, including but not limited to design, customization, or installation services, except as may be set forth in the agreement or Statement of Work under which the services are to be rendered. Notwithstanding anything to the contrary, if Contractor is delayed in shipping the product for thirty (30) days or more from the original shipping date, the Purchasing Entity may cancel the order without charge.

f. Services. Purchasing Entity may place Purchase Orders for the various services offered by Contractor. The provision of any such services, if accepted by Contractor, shall be subject to the terms and conditions set forth in this Agreement, including the Services Exhibit attached hereto as Exhibit 2, as well as the then-current terms of service offerings set forth on Contractor's website at https://www.cisco.com/c/en/us/about/legal/service-descriptions.html. Contractor reserves the right to subcontract services to a third party organization to provision services for Purchasing Entity.

g. All stated prices are exclusive of any taxes, fees, and duties or other similar amounts, however designated, and including without limitation value added, sales and withholding taxes which are levied or based upon such prices, charges, or upon this Master Agreement. Purchasing Entity will pay sales and use taxes, if any, imposed on the Products and Services acquired under this Master Agreement, or furnish proof of its tax-exempt status upon request. Contractor will pay all other taxes based on Contractor's income or gross receipts, or personal property taxes levied or assessed on Contractor's personal property. In the event that the Purchasing Entity is exempt from property and sales taxes, it will not be charged same.

h. Notwithstanding anything contained in the Master Agreement to the contrary, modifications which Contractor deems necessary to comply with specifications, changed safety standards or governmental regulations, to make the product non-infringing with respect to any patent, copyright, or other proprietary interest, or to otherwise improve the product may be made at any time by Contractor without prior notice to or consent of Purchasing Entity or NASPO, and such altered product shall be deemed fully conforming. Contractor shall employ commercially reasonable efforts to announce, including by electronic posting, product discontinuance or changes other than those set forth in the previous sentence in accordance with Contractor's End-of-Life Policy, which is found at the following URL: http://www.cisco.com/c/en/us/products/eos-eol-policy.html Purchasing Entity may make a last-time purchase of such products as set forth in such policy.

i. Purchasing Entities may define entity or project-specific requirements and informally compete the requirement among companies having a Master Agreement on an "as needed" basis. This procedure may also be used when requirements are aggregated or other firm commitments may be made to achieve reductions in pricing. This procedure may be modified in Participating Addenda and adapted to the Purchasing Entity's rules and policies. The Purchasing Entity may in its sole discretion determine which Master Agreement Contractors and/or Fulfillment Partners should be solicited for a quote. The Purchasing Entity may select the quote that it considers most advantageous, cost and other factors considered.

j. Each Purchasing Entity will identify and utilize its own appropriate purchasing procedure and documentation. Contractor and/or Fulfillment Partner as applicable is expected to become familiar with the Purchasing Entities' rules, policies, and procedures regarding the ordering of supplies and/or services contemplated by this Master Agreement.

k. Contractor shall not begin work without a valid Purchase Order or other appropriate commitment document under the law of the Purchasing Entity.

l. Orders may be placed consistent with the terms of this Master Agreement during the term of the Master Agreement.

m. All Orders pursuant to this Master Agreement, at a minimum, shall include:

(1) The services or supplies being delivered;

(2) The place and requested time of delivery;

(3) A billing address;

(4) The name, phone number, and address of the Purchasing Entity representative;

(5) The price per hour or other pricing elements consistent with this Master Agreement and the contractor's proposal;

(6) A ceiling amount of the order for services being ordered; and

(7) The Master Agreement identifier.

n. All communications concerning administration of Orders placed shall be furnished solely to the authorized purchasing agent within the Purchasing Entity's purchasing office, or to such other individual identified in writing in the Order.

o. Orders must be placed pursuant to this Master Agreement prior to the termination date thereof, but may have a delivery date or performance period up to 120 days past the then-current termination date of this Master Agreement Maintenance agreements may have terms as prescribed in Section 27. Contractor is reminded that financial obligations of Purchasing Entities payable after the current applicable fiscal year are contingent upon agency funds for that purpose being appropriated, budgeted, and otherwise made available.

p. Notwithstanding the expiration or termination of this Master Agreement, Contractor agrees to perform in accordance with the terms of any Orders then outstanding at the time of such expiration or termination. Contractor shall not honor any Orders placed after the expiration or termination of this Master Agreement, or otherwise inconsistent with its terms. Orders from any separate indefinite quantity, task orders, or other form of indefinite delivery order arrangement priced against this Master Agreement may not be placed after or extend after the expiration or termination of this Master Agreement, notwithstanding the term of any such indefinite delivery order agreement.

14. Shipping and Delivery

a. The prices are the delivered price to any Purchasing Entity. All deliveries for hardware Products shall be F.O.B. destination, freight pre-paid, with all transportation and handling charges pre-paid by the Contractor, for the standard shipping time intervals. Expedited shipping and/or a special delivery request that are non-standard delivery beyond docking areas at warehouses or designated delivery drop-offs locations at buildings (i.e. delivery of the Order, including pallets, to a closet, designated rooms, etc.) will result in additional charges to the Purchasing Entity. Title for hardware Products and risk of loss shall pass to the Purchasing Entity upon delivery. The minimum shipment amount, if any, will be found in the special terms and conditions. Any order for less than the specified amount is to be shipped with the freight prepaid and added as a separate item on the invoice.

b. Any damage to a building interior, scratched walls, damage to the freight elevator, etc., negligently caused by Contractor will be the responsibility of the Contractor. If damage does occur, it is the responsibility of the Contractor to immediately notify the Purchasing Entity placing the Order.

c. All products must be delivered in the manufacturer's standard package. Costs shall include all packing and/or crating charges. Cases shall be of durable construction, good condition, properly labeled and suitable in every respect for storage and handling of contents.

d. Scheduled shipping dates will be assigned by Contractor as close as practicable to Purchasing Entity's requested date based on Cisco's then-current lead times for the Products. Contractor will use commercially reasonable efforts to ship all direct orders designated for shipment to U.S. locations within thirty (30) days for hardware Products. The following circumstances may affect lead times: (i) new products purchased within the first three (3) months of release of the product which are subject to Contractor's then current published lead-times, (ii) third-party stand-alone products which are not a component of equipment resold by Contractor, (iii) end-of-life products where the termination of the product has been announced by Contractor, (iv) products which have been line-

stopped due to software discrepancies, reconfiguration, industry-wide product shortages, or alleged infringement claims, or (vi) situations where government rated orders create delays in lead-times. Notwithstanding the foregoing, at any time when Purchasing Entity states "expedite" on an order for a hardware Product or otherwise communicates to Contractor that an order is to be expedited, Contractor shall use all commercially reasonable efforts to ensure the earliest possible delivery of such products.

e. Contractor will communicate scheduled shipping dates in the order acknowledgement or on www.Cisco.com within three (3) business days after receipt of an electronic order on www.cisco.com, provided, however, that in the event such notification is not received in this time period, Purchasing Entity shall notify Contractor of the non-receipt, and Contractor's sole obligation with respect to such non- receipt shall be to promptly provide the information to the Purchasing Entity after such notification.

f. If Contractor has reason to believe that the actual shipment date will occur later than the original shipment date acknowledged by Contractor for reasons caused by Contractor, Contractor shall use commercially reasonable efforts to promptly provide additional information to Purchasing Entity including by electronic posting of the expected period of delay and, upon request, of the steps available, if any, to minimize the delay. If the extended delivery date is anticipated to be more than thirty (30) calendar days beyond the originally scheduled delivery date, the parties will work in good faith to resolve any ordering issues.

g. Purchasing Entity shall assume responsibility for compliance with applicable export laws and regulations, including the preparation and filing of shipping documentation necessary for export clearance. This also applies in cases where Purchasing Entity requests delivery of hardware Products to Purchasing Entity's forwarding agent. Purchasing Entity agrees not to use any export licenses owned by Contractor.

h. Contractor is not liable for damage or penalty for delay in delivery or for failure to give notice of delay.

i. All sales are final. Except for return remedies set forth in the warranty statements, Contractor only permits the return of unopened hardware Products due to Contractor's shipping or order processing errors, or damage in transit. No other returns are authorized. The return of hardware Product must be in accordance with Contractor's return policy and procedures. Warranty returns will not be subject to any restocking fees.

15. Laws and Regulations

Any and all Products offered and furnished shall comply fully with all applicable Federal and State laws and regulations.

16. Inspection and Acceptance

Purchasing Entity has thirty (30) days after hardware Product delivery to inspect the hardware Product for external damage and for any concealed damage ("Acceptance Period"). If external or concealed damage is revealed during the Acceptance Period, then Purchasing Entity shall notify Contractor. At Contractor's option, Contractor shall (i) repair such damage, (ii) ship a replacement, or (iii) refund the purchase price (upon return of the hardware Product). After such Acceptance Period the Products shall be deemed accepted. Acceptance does not relieve the Contractor of liability or responsibility under Contractor's warranty obligation for the hardware Product.

17. Payment

Upon and subject to credit approval by Contractor, payment is due 30 days the date of the invoice. Invoices for products ordered without implementation services shall be rendered by Contractor on or after the date of delivery of such products to the Purchasing Entity. Contractor may assess overdue account charges up to a maximum rate of one percent per month on the outstanding balance, unless a different late payment amount is specified in a Participating Addendum, Order, or otherwise prescribed by applicable law. If at any time Purchasing Entity is delinquent in the payment of any invoice, or is otherwise

in breach of this Agreement, Cisco may, in its discretion, and without prejudice to its other rights, withhold shipment (including partial shipments) of any order, require Purchasing Entity to prepay for further shipments, and/or withhold the provision of Services, until complete payment has been received. Purchasing Entity grants Cisco a security interest in Products purchased under this Agreement to secure payment for such Products. If requested by Cisco, Purchasing Entity agrees to execute financing statements to perfect this security interest. Payments will be remitted by mail. Payments may be made via a State or political subdivision "Purchasing Card" to Fulfillment Partners under this contract.

18. Warranty

All hardware Products are sold, Software licensed, and Services delivered with Contractor's standard limited warranty as set forth below.

a. Hardware Products. Contractor warrants that from the date of shipment by Contractor to Purchasing Entity, and continuing for a period of the longer of (a) ninety (90) days or (b) the period set forth in the warranty card accompanying the product or at https://www.cisco.com/go/warranty, the hardware Product will be free from defects in material and workmanship, under normal use. This limited warranty extends only to the original user of the product. Purchasing entity's sole and exclusive remedy and the entire liability of Contractor and its suppliers under this limited warranty will be, at Contractor's or its service center's option, (i) shipment of a replacement within the period and according to the replacement process described in the warranty card (if any) or if no warranty card, as described at https://www.cisco.com/go/warranty, or (ii) a refund of the purchase price, if the hardware Product is returned to the party supplying it to Purchasing Entity, if different than Contractor, freight and insurance prepaid. Contractor replacement parts, used in the replacement of hardware Products, may be new or equivalent to new. Contractor's obligations hereunder are conditioned upon the return of affected products, in accordance with Contractor's then- current return procedures. This limited warranty does not apply if the hardware Product (i) has been altered, except by Contractor or its authorized representative, (ii) has not been installed, operated, repaired, or maintained in accordance with instructions supplied by Contractor, (ii) has been subjected to abnormal physical or electrical stress, abnormal environmental conditions, misuse, negligence, or accident; or (iv) is licensed or provided for beta, evaluation, testing or demonstration purposes.

b. Embedded Software Products. Contractor warrants that Embedded Software will substantially conform to the applicable documentation of the Embedded Software for the longer of (i) ninety (90) days following the date the Embedded Software is made available to Purchasing Entity for use or (ii) as otherwise set forth at http://www.cisco.com/go/warranty. This warranty does not apply if the Embedded Software, the hardware Product supplied by Contractor, or any other equipment upon which the Embedded Software is authorized to be used: (i) has been altered, except by Contractor or its authorized representative, (ii) has not been installed, operated, repaired, or maintained in accordance with instructions supplied by Contractor, (iii) has been subjected to abnormal physical or electrical stress, abnormal environmental conditions, misuse, negligence, or accident; (iv) is licensed for beta, evaluation, testing or demonstration purposes or other circumstances for which there is not payment of a purchase price or license fee; or (v) has not been provided by an authorized reseller of Contractor. Cisco will use commercially reasonable efforts to deliver to Embedded Software free from any viruses, programs, or programming devices designed to modify, delete, damage or disable the Embedded Software or data. At Contractor's option and expense, Contractor shall repair, replace, or cause the refund of the license fees paid for the non-conforming Embedded Software. This remedy is conditioned on Purchasing Entity reporting the non-conformance in writing to Contractor within the warranty period. Purchasing Entity may be required to return the Embedded Software, the Contractor hardware product, and/or Documentation as a condition of this remedy. This is Purchasing Entity's sole and exclusive remedy under this warranty for Embedded Software. Except as set forth herein, Embedded Software are provided "as is". Contractor does not warrant that Embedded Software will operate uninterrupted or error-free or that all errors will be corrected. In addition, Contractor does not warrant that the Embedded Software or any equipment, system or network on which the Embedded Software is used will be free of vulnerability to intrusion or attack.

c. Cloud Software Products. Unless otherwise provided for in the applicable Cloud Offer Description, Contractor warrants that it will provide the Cloud Software in accordance with the Cloud Offer Description using commercially reasonable skill and care. Upon prompt notification by Purchasing Entity of Contractor's breach of this warranty, to the extent permitted by applicable law, Contractor will, at Contractor's option, (i) repair or replace the Cloud Software or (ii) refund fees paid to Contractor for the period in which the Cloud Software did not materially comply with the Cloud Offer Description. This is Purchasing Entity's sole and exclusive remedy under this warranty for Cloud Software.

d. Services. Contractor warrants that Services sold under this Agreement pursuant to Exhibit 2 will be performed in a workmanlike manner and, where applicable, will materially comply with the applicable Service Description. Purchasing Entity must promptly notify Contractor of a breach of this warranty. Purchasing Entity's sole and exclusive remedy for any breach of this warranty shall be, at Contractor's option, (i) reperformance of the Services or (ii) termination of the applicable Service, and return of the portion of the fees paid to Contractor by Purchasing Entity for such non-conforming Services

e. DISCLAIMER OF WARRANTY. EXCEPT AS EXPRESSLY PROVIDED IN THIS SECTION 18, CONTRACTOR HEREBY DISCLAIMS ALL REPRESENTATIONS, CONDITIONS AND WARRANTIES (WHETHER EXPRESS, IMPLIED, OR STATUTORY), INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OR CONDITION (A) OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT, TITLE, SATISFACTORY QUALITY, QUIET ENJOYMENT, ACCURACY, OR SYSTEM INTEGRATION, OR (B) ARISING FROM ANY COURSE OF DEALING, COURSE OF PERFORMANCE, OR USAGE IN THE INDUSTRY. TO THE EXTENT AN IMPLIED WARRANTY OR CONDITION CANNOT BE DISCLAIMED, SUCH WARRANTY OR CONDITION IS LIMITED IN DURATION TO THE APPLICABLE EXPRESS WARRANTY PERIOD.

19. Title of Product

Title to hardware Products and risk of loss shall pass to Purchasing Entity upon delivery. To the extent the transfer of title to the hardware Product includes a license to use any Embedded Software in the hardware Product subject to the terms of the End User License Agreement set forth in Exhibit 1. If Purchasing Entity subsequently transfers title of the hardware Product to another entity, transfer of the license to use the Embedded Software shall be subject to Contractor's then-current software transfer and relicensing policy.

20. License of Pre-Existing Intellectual Property

Contractor grants to Purchasing Entity a license to Software pursuant to the license terms and restrictions set forth in Exhibit 1.

21. No Guarantee of Service Volumes

The Contractor acknowledges and agrees that the Lead State and NASPO ValuePoint makes no representation, warranty or condition as to the nature, timing, quality, quantity or volume of business for the Services or any other products and services that the Contractor may realize from this Master Agreement, or the compensation that may be earned by the Contractor by offering the Services. The Contractor acknowledges and agrees that it has conducted its own due diligence prior to entering into this Master Agreement as to all the foregoing matters.

22. Purchasing Entity Data

Purchasing Entity retains full right and title to Purchasing Entity Data provided by it. Contractor shall not collect, access, or use user-specific Purchasing Entity Data except as strictly necessary to provide Service to the Purchasing Entity. No information regarding Purchasing Entity's use of the Service that can be identified to Purchasing Entity may be disclosed, provided, rented or sold to any third party for any reason unless required by law or regulation or by an order of a court of competent jurisdiction. The obligation shall extend beyond the term of this Master Agreement in perpetuity.

23. System Failure or Damage

In the event of system failure or damage caused by Contractor or its Services, the Contractor agrees to use its best efforts to restore or assist in restoring the system to operational capacity.

24. [RESERVED].

25. Data Privacy

The Contractor must comply with all applicable laws related to data privacy and security, including IRS Pub 1075. Prior to entering into a Statement of Work with a Purchasing Entity for the processing of such data, at the request of the Purchasing Entity, the Contractor and Purchasing Entity must cooperate and hold a meeting to determine the data categorization to determine what data the Contractor will hold, store, or process. To the extent applicable and reasonable, the Contractor must document the data categorization in the Statement of Work.

26. Transition Assistance

a. The Contractor shall reasonably cooperate with other parties in connection with all Services to be delivered under this Master Agreement, including without limitation any successor service provider to whom a Purchasing Entity's Data is transferred in connection with the termination or expiration of this Master Agreement. Only as set forth in a Services SOW under this Agreement, the Contractor shall assist a Purchasing Entity in exporting and extracting a Purchasing Entity's Data, in a format usable without the use of the Services and as agreed by a Purchasing Entity. Any transition services requested by a Purchasing Entity involving additional knowledge transfer and support may be subject to a separate transition Statement of Work.

b. A Purchasing Entity and the Contractor shall, when reasonable, create a Transition Plan Document identifying the transition services to be provided and including a Statement of Work if applicable.

c. The Contractor must maintain the confidentiality and security of a Purchasing Entity's Data during the transition services and thereafter as required by the Purchasing Entity.

27. Performance and Payment Time Frames that Exceed Contract Duration

All maintenance or other agreements for services entered into during the duration of an SLA and whose performance and payment time frames extend beyond the duration of this Master Agreement shall remain in effect for performance and payment purposes (limited to the time frame and services established per each written agreement). No new leases, maintenance or other agreements for services may be executed after the Master Agreement has expired.

General Provisions

28. Insurance

a. Unless otherwise agreed in a Participating Addendum, Contractor shall, during the term of this Master Agreement, maintain in full force and effect, the insurance described in this section. Contractor shall acquire such insurance from an insurance carrier or carriers licensed to conduct business in each Participating Entity's state and having a rating of A-, Class VII or better, in the most recently published edition of A.M. Best's Insurance Reports. Failure to buy and maintain the required insurance may result in this Master Agreement's termination or, at a Participating Entity's option, result in termination of its Participating Addendum.

b. Coverage shall be written on an occurrence basis. The limits required shall be as indicated below:

(1) Commercial General Liability covering premises operations, independent contractors, products and completed operations, blanket contractual liability, personal injury (including death), advertising liability, and property damage, with a limit of $1 million per occurrence/$3 million general aggregate provided that such limit can be satisfied with any combination of primary and umbrella insurance;

(2) Contractor must comply with any applicable State Workers Compensation or Employers Liability Insurance requirements.

c. Contractor shall pay premiums on all insurance policies. Contractor shall provide notice to a Participating Entity who is a state within five (5) business days after Contractor is first aware of expiration, cancellation or nonrenewal of such policy or is first aware that cancellation is threatened or expiration, nonrenewal or expiration otherwise may occur.

d. Contractor's general liability insurance shall (1) include the Participating States identified in the Request for Proposal as additional insureds for liabilities falling within Contractor's indemnity obligations under this Agreement that are otherwise covered by such insurance, (2) provides that written notice of cancellation shall be delivered in accordance with the policy provisions, and (3) provides that the Contractor's liability insurance policy shall be primary, with any liability insurance of any Participating State as secondary and noncontributory. Unless otherwise agreed in any Participating Addendum, other state Participating Entities' rights and Contractor's obligations are the same as those specified in the first sentence of this subsection. If any of the insurance required herein is cancelled or nonrenewed, Contractor shall replace such insurance so that no lapse in coverage occurs, and shall provide a revised certificate of insurance evidencing same.

e. Contractor shall furnish to the Lead State copies of certificates of all required insurance within thirty (30) calendar days of the execution of this Master Agreement and prior to performing any work. Copies of renewal certificates of all required insurance shall be furnished within thirty (30) days after any renewal date to the applicable state Participating Entity. Failure to provide evidence of coverage may, at the sole option of the Lead State, or any Participating Entity, result in this Master Agreement's termination or the termination of any Participating Addendum.

f. Coverage and limits shall not limit Contractor's liability and obligations under this Master Agreement, any Participating Addendum, or any Purchase Order.

29. Records Administration and Audit

a. The Contractor shall maintain books, records, documents, and other evidence pertaining to this Master Agreement and Orders placed by Purchasing Entities under it to the extent and in such detail as shall adequately reflect payments and fees. Contractor shall permit the Lead State, a Participating Entity, a Purchasing Entity, the federal government (including its grant awarding entities and the U.S. Comptroller General), and any other duly authorized agent of a governmental agency, to audit, inspect, examine, copy and/or transcribe Contractor's books, documents, papers and records directly pertinent to this Master Agreement or orders placed by a Purchasing Entity under it for the purpose of making audits, examinations, excerpts, and transcriptions. This right shall survive for a period of six (6) years following termination of this Agreement or final payment for any order placed by a Purchasing Entity against this Agreement, whichever is later, or such longer period as is required by the Purchasing Entity's state statutes, to assure compliance with the terms hereof or to evaluate performance hereunder. Such access will be (i) with at least ten (10) business days advance written notice, during normal business hours (ii) shall not unduly interrupt or interfere with Contractor's normal business operations, and (iii) in the event that such audit is conducted by a third party, such third party shall, prior to conducting such audit, execute a confidentiality agreement for the benefit of Contractor in a form reasonably satisfactory to Contractor.

b. Without limiting any other remedy available to any governmental entity, the Contractor shall reimburse the applicable Lead State, Participating Entity, or Purchasing Entity for any overpayments inconsistent with the terms of the Master Agreement or Orders or underpayment of Administrative Fees found as a result of the examination of the Contractor's records.

c. The rights and obligations herein exist in addition to any quality assurance obligation in the Master Agreement requiring the Contractor to self-audit contract obligations and that permits the Lead State to review compliance with those obligations.

30. Confidentiality, Non-Disclosure, and Injunctive Relief

a. Confidentiality. Each party acknowledges that it and its employees or agents may, in the course of dealing under this Master Agreement, be exposed to or acquire information that is confidential to the other party. Any and all information of any form that is marked as confidential or would by its nature be deemed confidential obtained by the receiving party or its employees or agents (the "Receiving Party") in the performance of this Master Agreement, including, but not necessarily limited to (1) any Purchasing Entity's records, (2) personnel records, and (3) information concerning individuals, is confidential information ("Confidential Information") of the disclosing party ("Disclosing Party"). Any reports or other documents or items (including software) that result from the use of the Confidential Information by Contractor shall be treated in the same manner as the Confidential Information. Confidential Information does not include information that (1) is or becomes (other than by disclosure by Receiving Party) publicly known; (2) is furnished by Disclosing Party to others without restrictions similar to those imposed by this Master Agreement; (3) is rightfully in Receiving Party's possession without the obligation of nondisclosure prior to the time of its disclosure under this Master Agreement; (4) is obtained from a source other than Disclosing Party without the obligation of confidentiality, (5) is disclosed with the written consent of Disclosing Party or; (6) is independently developed by employees, agents or subcontractors of Receiving Party who can be shown to have had no access to the Confidential Information.

b. Non-Disclosure. Each Party shall hold Confidential Information in confidence, using at least the industry standard of confidentiality, and shall not copy, reproduce, sell, assign, license, market, transfer or otherwise dispose of, give, or disclose Confidential Information to third parties (other than subcontractors as necessary to perform the obligations of this Master Agreement) or use Confidential Information for any purposes whatsoever other than what is necessary to the performance of Orders placed under this Master Agreement. Each Party shall advise each of its employees and agents of their obligations to keep Confidential Information confidential. Each Party shall use commercially reasonable efforts to assist Disclosing Party in identifying and preventing any unauthorized use or disclosure of any Confidential Information. Without limiting the generality of the foregoing, Receiving Party shall advise Disclosing Party immediately if Disclosing Party learns or has reason to believe that any person who has had access to Confidential Information has violated or intends to violate the terms of this Master Agreement, and Receiving Party shall at its expense cooperate with Disclosing Party in seeking injunctive or other equitable relief in the name of Disclosing Party against any such person. Except as directed by Disclosing Party, Receiving Party will not at any time during or for three years after the term of this Master Agreement disclose, directly or indirectly, any Confidential Information to any person, except in accordance with this Master Agreement, and that upon termination of this Master Agreement or at Disclosing Party's request, Receiving Party shall turn over to Disclosing Party all documents, papers, and other matter in their possession that embody Confidential Information. Notwithstanding the foregoing, Receiving Party may keep one copy of such Confidential Information necessary for quality assurance, audits and evidence of the performance of this Master Agreement.

c. Injunctive Relief. The parties acknowledge that breach of this section, including disclosure of any Confidential Information, will cause irreparable injury to Disclosing Party that is inadequately compensable in damages. Accordingly, Disclosing Party may seek and obtain injunctive relief against the breach or threatened breach of the foregoing undertakings, in addition to any other legal remedies that may be available. Receiving Party acknowledges and agrees that the covenants contained herein are necessary for the protection of the legitimate business interests of Disclosing Party and are reasonable in scope and content.

d. Purchasing Entity Law. These provisions shall be applicable only to extent they are not in conflict with the applicable public disclosure laws of any Purchasing Entity.

e. The confidentiality obligations under this section shall also extend to (as included within the definition of Confidential Information) Participating Addenda, as well as Orders or transaction data relating to Orders under this Master Agreement that identify the entity/Purchasing Entity, Order dates, line item descriptions and volumes, and prices/rates. This provision does not apply to

disclosure to the Lead State, a Participating State, or any governmental entity exercising an audit, inspection, or examination pursuant to Section 29.

To the extent permitted by law, Receiving Party shall notify the Receiving Party of any entity seeking access to the Confidential Information described in this Section 30. The Receiving Party will be authorized to disclose Confidential Information as may be required by applicable law pursuant to a valid order issued by a court or government agency or relevant regulatory authority (including a stock exchange), provided that the Receiving Party provides: (i) prior written notice to the Disclosing Party of such obligation; and (ii) the opportunity to oppose such disclosure.

31. Public Information

This Master Agreement and all related documents are subject to disclosure pursuant to the Purchasing Entity's public information laws.

32. Assignment/Subcontracts

a. Contractor shall not assign, sell, transfer, or sublet rights, or delegate responsibilities under this Master Agreement, in whole or in part, without the prior written approval of the Lead State. Contractor may, with prior written consent from Participating States, which consent shall not be unreasonably withheld, enter into subcontracts with third parties as "Fulfillment Partners." Fulfillment Partners are Subcontractors who may provide products and services under this Master Agreement at the price discounts established in this Master Agreement and bill Purchasers directly for such products and services. In addition, Contractor may, without permission, utilize subcontractors to perform Services sold under this Master Agreement and provide Cloud Offers.

b. The Lead State reserves the right to assign any rights or duties, including written assignment of contract administration duties to NASPO Cooperative Purchasing Organization LLC, doing business as NASPO ValuePoint and other third parties.

33. Changes in Contractor Representation

The Contractor must notify the Lead State of changes in the Contractor's key administrative personnel managing the Master Agreement in writing within 10 calendar days of the change. The Lead State reserves the right to approve changes in key personnel, as identified in the Contractor's proposal. The Contractor agrees to propose replacement key personnel having substantially equal or better education, training, and experience as was possessed by the key person proposed and evaluated in the Contractor's proposal.

34. Independent Contractor

The Contractor shall be an independent contractor. Contractor shall have no authorization, express or implied, to bind the Lead State, Participating States, other Participating Entities, or Purchasing Entities to any agreements, settlements, liability or understanding whatsoever, and agrees not to hold itself out as agent except as expressly set forth herein or as expressly agreed in any Participating Addendum.

35. Termination

Unless otherwise stated, this Master Agreement may be terminated by either Lead State or Contractor upon 60 days written notice prior to the effective date of the termination. Further, any Participating Entity may terminate its participation upon 30 days written notice, unless otherwise limited or stated in the Participating Addendum. Termination may be in whole or in part. Any termination under this provision shall not affect the rights and obligations attending orders outstanding at the time of termination, including any right of a Purchasing Entity to indemnification by the Contractor, rights of payment for Products delivered and accepted, rights attending any warranty or default in performance in association with any Order, and requirements for records administration and audit. Termination of the Master Agreement due to Contractor default may be immediate.

36. Force Majeure

Neither party to this Master Agreement shall be held responsible for delay or default caused by fire, riot, unusually severe weather, other acts of God, or war which are beyond that party's reasonable control. The Lead State may terminate this Master Agreement after determining such delay or default will reasonably prevent successful performance of the Master Agreement.

37. Defaults and Remedies

a. The occurrence of any of the following events by Contractor shall be an event of default under this Master Agreement:

   (1) Nonperformance of contractual requirements; or

   (2) A material breach of any term or condition of this Master Agreement; or

   (3) Any certification, representation or warranty by Contractor in response to the solicitation or in this Master Agreement that proves to be untrue or materially misleading; or

   (4) Institution of proceedings under any bankruptcy, insolvency, reorganization or similar law, by or against Contractor, or the appointment of a receiver or similar officer for Contractor or any of its property, which is not vacated or fully stayed within thirty (30) calendar days after the institution or occurrence thereof; or

   (5) Any default specified in another section of this Master Agreement.

b. Upon the occurrence of an event of default, the Lead State shall issue a written notice of default, identifying the nature of the default, and providing a period of sixty (60) calendar days in which Contractor shall have an opportunity to cure the default. The Lead State shall not be required to provide advance written notice or a cure period and may immediately terminate this Master Agreement in whole or in part if the Lead State, in its sole discretion, determines that it is reasonably necessary to preserve public safety or prevent immediate public crisis. Time allowed for cure shall not diminish or eliminate Contractor's liability for damages.

c. If Contractor is afforded an opportunity to cure and fails to cure the default within the period specified in the written notice of default, Contractor shall be in breach of its obligations under this Master Agreement and the Lead State shall have the right to exercise any or all of the following remedies:

   (1) Exercise any remedy provided by law; and

   (2) Terminate this Master Agreement and any related Contracts or portions thereof; and

   (4) Suspend Contractor from being able to respond to future bid solicitations; and

   (5) Suspend Contractor's performance; and

   (6) Withhold payment until the default is remedied.

d. Unless otherwise specified in the Participating Addendum, in the event of a default under a Participating Addendum, a Participating Entity shall provide a written notice of default as described in this section and shall have all of the rights and remedies under this paragraph regarding its participation in the Master Agreement with respect to its Participating Addendum, in addition to those set forth in its Participating Addendum. Unless otherwise specified in a Purchase Order, a Purchasing Entity shall provide written notice of default as described in this section and have all of the rights and remedies under this paragraph and any applicable Participating Addendum with respect to an Order placed by the Purchasing Entity.

38. Waiver of Breach

Failure of the either party to declare a default or enforce any rights and remedies shall not operate as a waiver under this Master Agreement or Participating Addendum. Any waiver must be in writing. Waiver by a party any default, right or remedy under this Master Agreement or Participating Addendum, or with respect to any Purchase Order, or breach of any terms or requirements of this Master Agreement, a Participating Addendum, or Purchase Order shall not be construed or operate as a waiver of any

subsequent default or breach of such term or requirement, or of any other term or requirement under this Master Agreement, Participating Addendum, or Purchase Order.

39. Debarment

The Contractor certifies that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction (contract) by any governmental department or agency. This certification represents a recurring certification made at the time any Order is placed under this Master Agreement. If the Contractor cannot certify this statement, attach a written explanation for review by the Lead State.

40. Indemnification; Limitation of Liability

a. General Indemnity - Each party shall defend, indemnify and hold harmless the other party, along with their officers and employees, from and against third-party claims, damages or causes of action including reasonable attorneys' fees and related costs for any death, bodily injury, or damage to tangible personal property (not including lost or damaged data) arising from negligent or willful misconduct act(s), error(s), or omission(s) of the indemnifying party, its employees or subcontractors or volunteers, relating to its performance under the Master Agreement. In the event that the indemnified party's or a third party's negligent or willful misconduct acts, errors or omissions contributed to cause the injury or damage for which a claim of indemnity is being asserted against the Contractor, the damages and expenses (including, without limitation, reasonable attorneys' fees) shall be allocated or reallocated, as the case may be, between the indemnified party, the Contractor, and any other party bearing responsibility in such proportion as appropriately reflects the relative fault of such parties, or their subcontractors, or the officers, directors, employees, agents, successors, and assigns of any of them, and the liability of the Contractor shall be proportionately reduced.

   The foregoing indemnification obligations are conditioned upon the indemnified party promptly notifying the indemnifying party in writing of the claim, suit, or proceeding for which the indemnifying party is obligated under this Subsection, cooperating with, assisting, and providing information to, the indemnifying party as reasonably required, and granting the indemnifying party the exclusive right to defend or settle such claim, suit, or proceeding; provided that any such settlement or compromise includes a release of the indemnified party from all liability arising out of such claim, suit or proceeding.

b. Indemnification – Intellectual Property. The Contractor shall defend any claim against NASPO, NASPO Cooperative Purchasing Organization LLC (doing business as NASPO ValuePoint), the Lead State, Participating Entities, or Purchasing Entities, along with their officers and employees ("Indemnified Party"), from and against claims by third parties that Contractor's Products provided under this Agreement, infringes patents, copyrights or trademarks ("Intellectual Property Claim") of another person or entity.

   (1) The Contractor's obligations under this section shall not extend to the extent any Intellectual Property Claim is based on:

      (a) compliance with any designs, specifications, requirements, or instructions by any Indemnified Party or a third party on Indemnified Part's behalf; or

      (b) the modification of the Contractor's Product by anyone other than Contractor; or

      (c) the amount or duration of use made of Contractor's Product, or services offered by Indemnified Party to external or internal Purchasing Entity, or revenue earned by the Indemnified Party; or

      (d) the combination of the operation, or use of a Contractor's Product with third party products, software or business processes.

   (2) The Indemnified Party shall notify the Contractor promptly after receiving notice of an Intellectual Property Claim. If Indemnified Party fails to notify Contractor promptly of the Intellectual Property Claim, and that failure prejudices Contractor's ability to defend, settle or respond to the Intellectual Property Claim, then Contractor's obligation to defend or indemnify Indemnified Party

with respect to that Intellectual Property Claim will be reduced to the extent Contractor has been prejudiced. In addition, such failure to provide prompt notification shall relieve Contractor of any obligation to reimburse for Indemnified Party's attorneys' fees incurred prior to notification. If the Contractor defends any Intellectual Property Claim, it shall have control over the defense and settlement of the Intellectual Property Claim. However, the Indemnified Party must consent in writing for any money damages or obligations for which it may be responsible. The Indemnified Party shall furnish, at the Contractor's reasonable request, information and assistance necessary for such defense.

(3) If an Intellectual Property Claim is made or appears likely, Indemnified Party shall permit Contractor to procure for Indemnified Party the right to continue using Contractor's Product, or to replace or modify the Contractor's Product with one that is at least functionally equivalent. If Contractor determines that none of those alternatives is reasonably available, then Indemnified Party will return and/or cease using Contractor's Product and Contractor will refund to Indemnified Party the remaining net book value of the Contractor's Product calculated according to generally accepted accounting principles.

(4) This Section 40(b) is Contractor's entire obligation and Indemnified Party's exclusive remedy regarding any Intellectual Property Claims.

c. Limitation of Liability. Except for Contractor's obligations under Section 40(a) (General Indemnity) and Section 40(b) (Indemnification – Intellectual Property) notwithstanding anything else herein, all liability of Contractor and its suppliers to any Participating Entity (and any Purchasing Entity under the Participating Entity) for claims arising under this Agreement, the applicable Participating Addendum, or otherwise shall be limited to the greater of (i) three million dollars ($3,000,000.00) or (ii) the money paid to Contractor by the Participating Entity under this Master Agreement in the twelve (12) month period prior to the event or circumstances that first gave rise to such liability. This limitation of liability is cumulative and not per incident.

d. Waiver of Consequential Damages. In no event shall Contractor or its suppliers be liable for any (i) special, exemplary, incidental, indirect or consequential damages, or loss of or damage to data (except for a loss of Purchaser data caused by Contractor's negligence), (ii) loss of: profits, revenue, business, anticipated savings, use of any product or service, opportunity, goodwill or reputation, or (iii) wasted expenditure (other than any expenditure necessarily incurred to discharge the innocent party's duty or to mitigate its losses)

41. No Waiver of Sovereign Immunity

In no event shall this Master Agreement, any Participating Addendum or any contract or any Purchase Order issued thereunder, or any act of the Lead State, a Participating Entity, or a Purchasing Entity be a waiver of any form of defense or immunity, whether sovereign immunity, governmental immunity, immunity based on the Eleventh Amendment to the Constitution of the United States or otherwise, from any claim or from the jurisdiction of any court.

This section applies to a claim brought against the Participating Entities who are states only to the extent Congress has appropriately abrogated the state's sovereign immunity and is not consent by the state to be sued in federal court. This section is also not a waiver by the state of any form of immunity, including but not limited to sovereign immunity and immunity based on the Eleventh Amendment to the Constitution of the United States.

42. Governing Law and Venue

a. The procurement, evaluation, and award of the Master Agreement shall be governed by and construed in accordance with the laws of the Lead State sponsoring and administering the procurement. The construction and effect of the Master Agreement after award shall be governed by the law of the state serving as Lead State. The construction and effect of any Participating Addendum or Order against the Master Agreement shall be governed by and construed in accordance with the laws of the Participating Entity's or Purchasing Entity's State.

b. Unless otherwise specified in the RFP, the venue for any protest, claim, dispute or action relating to the procurement, evaluation, and award is in the Lead State. Venue for any claim, dispute or action concerning the terms of the Master Agreement shall be in the state serving as Lead State. Venue for any claim, dispute, or action concerning any Order placed against the Master Agreement or the effect of a Participating Addendum shall be in the Purchasing Entity's State.

c. If a claim is brought in a federal forum, then it must be brought and adjudicated solely and exclusively within the United States District Court for (in decreasing order of priority): the Lead State for claims relating to the procurement, evaluation, award, or contract performance or administration if the Lead State is a party; a Participating State if a named party; the state where the Participating Entity or Purchasing Entity is located if either is a named party.

43. Assignment of Antitrust Rights

Contractor irrevocably assigns to a Participating Entity who is a state any claim for relief or cause of action which the Contractor now has or which may accrue to the Contractor in the future by reason of any violation of state or federal antitrust laws (15 U.S.C. § 1-15 or a Participating Entity's state antitrust provisions), as now in effect and as may be amended from time to time, in connection with any goods or services provided in that state for the purpose of carrying out the Contractor's obligations under this Master Agreement or Participating Addendum, including, at the Participating Entity's option, the right to control any such litigation on such claim for relief or cause of action.

44. Contract Provisions for Orders Utilizing Federal Funds

Pursuant to Appendix II to 2 Code of Federal Regulations (CFR) Part 200, Contract Provisions for Non-Federal Entity Contracts Under Federal Awards, Orders funded with federal funds may have additional contractual requirements or certifications that must be satisfied at the time the Order is placed or upon delivery. These federal requirements may be proposed by Participating Entities in Participating Addenda and Purchasing Entities for incorporation in Orders placed under this Master Agreement.

45. Leasing or Alternative Financing Methods

The procurement and other applicable laws of some Purchasing Entities may permit the use of leasing or alternative financing methods for the acquisition of Products under this Master Agreement. Where the terms and conditions are not otherwise prescribed in an applicable Participating Addendum, the terms and conditions for leasing or alternative financing methods are subject to negotiation between the Contractor and Purchasing Entity.

46. Entire Agreement:

This Master Agreement, along with any attachment, contains the entire understanding of the parties hereto with respect to the Master Agreement unless a term is modified in a Participating Addendum with a Participating Entity. No click-through, or other end user terms and conditions or agreements required by the Contractor ("Additional Terms") provided with any Services hereunder shall be binding on Participating Entities or Purchasing Entities, even if use of such Services requires an affirmative "acceptance" of those Additional Terms before access is permitted, except for those terms as referenced in this Master Agreement.

eMarket Center Appendix

a. This Appendix applies whenever a catalog hosted by or integration of a punchout site with eMarket Center is required by the solicitation or either solution is proposed by a Contractor and accepted by the Lead State.

b. Supplier's Interface with the eMarket Center. There is no cost charged by JAGGAER to the Contractor for loading a hosted catalog or integrating a punchout site.

c. At a minimum, the Contractor agrees to the following:

   (1) Implementation Timeline: NASPO ValuePoint eMarket Center Site Admin shall provide a written request to the Contractor to begin enablement process. The Contractor shall have fifteen (15) days from receipt of written request to work with NASPO ValuePoint and JAGGAER to set up an enablement schedule, at which time JAGGAER's technical documentation shall be provided to the Contractor. The schedule will include future calls and milestone dates related to test and go live dates. The contractor shall have a total of Ninety (90) days to deliver either a (1) hosted catalog or (2) punch-out catalog, from date of receipt of written request.

   (2) NASPO ValuePoint and JAGGAER will work with the Contractor, to decide which of the catalog structures (either hosted or punch-out as further described below) shall be provided by the Contractor. **Whether hosted or punch-out, the catalog must be strictly limited to the Contractor's awarded contract offering (e.g. products and/or services not authorized through the resulting cooperative contract should not be viewable by NASPO ValuePoint Participating Entity users).**

      (a) Hosted Catalog. By providing a hosted catalog, the Contractor is providing a list of its awarded products/services and pricing in an electronic data file in a format acceptable to JAGGAER, such as Tab Delimited Text files. In this scenario, the Contractor must submit updated electronic data no more than once per 30 days to the eMarket Center for the Lead State's approval to maintain the most up-to-date version of its product/service offering under the cooperative contract in the eMarket Center.

      (b) Punch-Out Catalog. By providing a punch-out catalog, the Contractor is providing its own online catalog, which must be capable of being integrated with the eMarket Center as a. Standard punch-in via Commerce eXtensible Markup Language (cXML). In this scenario, the Contractor shall validate that its online catalog is up-to-date by providing a written update no more than once per 30 days to the Lead State stating they have audited the offered products/services and pricing listed on its online catalog. The site must also return detailed UNSPSC codes (as outlined in line 3) for each line item. Contractor also agrees to provide e-Quote functionality to facilitate volume discounts.

d. Revising Pricing and Product Offerings: Any revisions to product/service offerings (new products, altered SKUs, new pricing etc.) must be pre-approved by the Lead State and shall be subject to any other applicable restrictions with respect to the frequency or amount of such revisions. However, no cooperative contract enabled in the eMarket Center may include price changes on a more frequent basis than once per year (see required Price Guarantee Period section 11). The following conditions apply with respect to hosted catalogs:

   (1) Updated pricing files are required each calendar month of the month and shall go into effect in the eMarket Center on as approved by the Lead State contract administrator.

   (2) Lead State-approved price changes are not effective until implemented within the eMarket Center. Errors in the Contractor's submitted pricing files will delay the implementation of the price changes in eMarket Center.

e. Supplier Network Requirements: Contractor shall join the JAGGAER Supplier Network (SQSN) and shall use JAGGAER's Supplier Portal to import the Contractor's catalog and pricing, into the JAGGAER system, and view reports on catalog spend and product/pricing freshness. The Contractor can receive orders through electronic delivery (cXML) or through low-tech options such as fax. More

information about the SQSN can be found at: www.sciquest.com or call the JAGGAER Supplier Network Services team at 800-233-1121.

f. Minimum Requirements: Whether the Contractor is providing a hosted catalog or a punch-out catalog, the Contractor agrees to meet the following requirements:

(1) Catalog must contain the most current pricing, including all applicable administrative fees and/or discounts, as well as the most up-to-date product/service offering the Contractor is authorized to provide in accordance with the cooperative contract; and

(2) The accuracy of the catalog must be maintained by Contractor throughout the duration of the cooperative contract; and

(3) The Catalog must include a Lead State contract identification number; and

(4) The Catalog must include detailed product line item descriptions; and

(5) The Catalog must include pictures when possible; and

(6) The Catalog must include any additional NASPO ValuePoint and Participating Addendum requirements. Although suppliers in the SQSN normally submit one (1) catalog, it is possible to have multiple contracts applicable to different NASPO ValuePoint Participating Entities. For example, a supplier may have different pricing for state government agencies and Board of Regents institutions. Suppliers have the ability and responsibility to submit separate contract pricing for the same catalog if applicable. The system will deliver the appropriate contract pricing to the user viewing the catalog.

g. Order Acceptance Requirements: Contractor must be able to accept Purchase Orders via fax or cXML. The Contractor shall provide positive confirmation via phone or email within 24 hours of the Contractor's receipt of the Purchase Order. If the Purchasing Order is received after 3pm EST on the day before a weekend or holiday, the Contractor must provide positive confirmation via phone or email on the next business day.

h. UNSPSC Requirements: Contractor shall support use of the United Nations Standard Product and Services Code (UNSPSC). UNSPSC versions that must be adhered to are driven by JAGGAER for the suppliers and are upgraded every year. NASPO ValuePoint reserves the right to migrate to future versions of the UNSPSC and the Contractor shall be required to support the migration effort. All line items, goods or services provided under the resulting statewide contract must be associated to a UNSPSC code. All line items must be identified at the most detailed UNSPSC level indicated by segment, family, class and commodity.

i. Applicability: Contractor agrees that NASPO ValuePoint controls which contracts appear in the eMarket Center and that NASPO ValuePoint may elect at any time to remove any supplier's offering from the eMarket Center.

j. The Lead State reserves the right to approve the pricing on the eMarket Center. This catalog review right is solely for the benefit of the Lead State and Participating Entities, and the review and approval shall not waive the requirement that products and services be offered at prices (and approved fees) required by the Master Agreement.

k. Several NASPO ValuePoint Participating Entities currently maintain separate JAGGAER eMarketplaces, these Participating Entities do enable certain NASPO ValuePoint Cooperative Contracts. In the event one of these entities elects to use this NASPO ValuePoint Cooperative Contract (available through the eMarket Center) but publish to their own eMarketplace, the Contractor agrees to work in good faith with the entity and NASPO ValuePoint to implement the catalog. NASPO ValuePoint does not anticipate that this will require substantial additional efforts by the Contractor; however, the supplier agrees to take commercially reasonable efforts to enable such separate JAGGAER catalogs.

Exhibit 1 – Additional Contractor Terms and Conditions

END USER LICENSE AGREEMENT

This End User License Agreement (the "Agreement") governs Your Use of Cisco Software and is between You and Cisco. Please read it carefully. The Agreement includes the applicable Cloud Offer Description(s) located at https://www.cisco.com/c/en/us/about/legal/cloud-and-software/cloud-terms.html and SEULA(s) located at https://www.cisco.com/c/en/us/about/legal/cloud-and-software/software-terms.html (each, "Supplemental Terms"). Capitalized terms are defined in Section entitled "Definitions" and the order of precedence in the event of conflict is in Section 1 ("Master Agreement Order of Precedence"). Depending on whether the Software is delivered on-premise as Embedded Software or as a Cisco-hosted cloud offering of Cloud Software, certain terms herein may not apply to Your purchase.

By clicking 'accept,' or Using the Software, You agree to the terms of this Agreement. You must have the authority to enter into this Agreement. If You do not have such authority, or if You do not agree with the terms of this Agreement, do not click accept and do not Use the Software. If You determine that You cannot comply with the terms of this Agreement after You have paid for the Software, You may return the Software to the Approved Source, disable or uninstall the Embedded Software and/or cease Your Use of the cloud-hosted Cloud Software and receive a full refund, provided You do so within thirty (30) days of Your initial purchase.

Section 1. License

a. **License**. Subject to Your payment of the applicable fees to an Approved Source and compliance with this Agreement, Cisco grants You a limited, non-exclusive license to Use the Software and related Documentation for Your internal business purposes only and in accordance with any Supplemental Terms, Order and/or Entitlement. In the event that Cisco requires You to register as an end user, Your license is valid only if the registration is complete and accurate. The Embedded Software delivered for Use on-premise may contain open source software, and is subject to separate license terms. A list of such open source software and related license agreements can be found at www.cisco.com/go/opensource.

b. **Limitations and Restrictions**. Unless expressly authorized by Cisco in writing, You will not and will not allow a third party to:

   i. Sell, resell, transfer, sublicense, or assign Your rights under this Agreement to any other person or entity (except as expressly provided in Section 1.f below);

   ii. modify, adapt or create derivative works of the Software or Documentation;

   iii. reverse engineer, decompile, decrypt, disassemble or otherwise attempt to derive the source code for the Software, except as authorized by Cisco ;

   iv. make the functionality of the Software available to third parties in a managed or network provisioned service;

   v. Use Software that is licensed for a specific device, whether physical or virtual, on another device;

   vi. remove, modify, or conceal any product identification, copyright, proprietary, intellectual property notices or other marks on or within the Software;

   vii. Use the Software on secondhand and/or refurbished Cisco equipment; or

   viii. Use the Software on third party hardware unless otherwise set forth in the Documentation (or otherwise authorized by Cisco in writing).

c. **Your Use of Cloud-Hosted Software**. You will be responsible for the accuracy, quality and legality of Your Customer Data, the means by which You acquired Your Customer Purchasing Entity Data and Your Use of Your Customer Entity Data with our Software. You will not (i) interfere with other customer access to, or use of, the Software, or with the security of the Software; (ii) facilitate the attack or

disruption of the Software, including a denial of service (DoS) attack, unauthorized access, monitoring or crawling or distribution of malware (including but not limited to viruses, Trojan horses, worms, time bombs, spyware, adware or cancelbots), or (iii) cause an unusual spike or increase in Your use of the Software that Cisco determines fraudulently or negatively impacts the operating capability of the Software. If Your use of the Software requires or permits You to use any Cisco Content, You (and Your agents) may only use such Cisco Content with the Software and with third-party products or services offerings that Cisco has identified as compatible. You will not extract Cisco Content from or use it separate from the Software, nor will you provide Cisco Content to a third party

d. **Third Party Use of Software.** You may allow a third party to Use the Software licensed to You solely (i) on Your behalf, (ii) for Your internal operations, and (iii) in compliance with this Agreement. You agree that You are responsible for any breach of this Agreement by that third party.

e. **Upgrades and Additional Copies.** Notwithstanding anything else in this Agreement, You may not Use Upgrades and additional copies of the Software unless You:

   i. hold a valid license to the Software, are in compliance with such license, and have paid the applicable fee for the Upgrade; and

   ii. purchase the Upgrade separately or have a valid support agreement covering the Software, either as part of a subscription or purchased separately; and

   iii. Use additional copies *solely* for backup purposes limited to archiving for restoration purposes.

f. **Transferability/Assignment.** You may only transfer or assign Your license rights to on-premise Embedded Software to another person or entity in accordance with the current Cisco Relicensing/Transfer Policy. Any transfer or assignment other than in accordance with the Transfer Policy will have no effect. Cisco may transfer or assign any of its rights or delegate any of its obligations under this Agreement in its sole discretion.

g. **Interoperability.** If required by applicable law, Cisco will provide You with the interface information needed to achieve interoperability between the on-premise Embedded Software and another independently created program. Cisco will provide this interface information at Your written request after You pay Cisco's licensing fees (if any). You will keep this information in strict confidence and strictly follow any applicable terms and conditions upon which Cisco makes the information available.

h. **Non-production and Trial Use.**

   i. We may provide beta versions of the Software for you to evaluate and provide feedback. Beta versions are not generally released and may only be used for limited, temporary purposes ("Beta Software"). The Beta Software may not be used in a production environment. Beta Software is unsupported and may contain bugs, errors, and other issues. You accept Beta Software "AS-IS," without warranty of any kind, and Cisco is not responsible for any problems or issues related to Your use. You understand that the Beta Software may never be generally available and we may discontinue it in our sole discretion at any time for any reason and delete any Customer Data or other data without liability to You. Your Use of the Beta Software is valid for thirty (30) days from the date it is made available to You. You will be invoiced for the list price if You do not return or stop Using it. You may not publish any results of benchmark tests run on the Beta Software without first obtaining written approval from Cisco.

   ii. We may also give You trial access to generally-available Software. Any trial period will expire in thirty (30) days unless otherwise stated in writing from Cisco. Trials are also provided "AS-IS" without support or any express or implied warranty or indemnity of any kind. At any time during or at the end of the trial, Cisco may terminate the trial and deactivate or delete Your account and any related data, information, and files, and bar any further access to such data, information and files for any reason.

Section 2. Fees and Payment

Fees for the Software are set out in Your purchase terms with Your Approved Source. Fees are non-refundable and payment obligations are non-cancelable, except as provided here, in Your purchase terms, or where prohibited by law.

Section 3. Ownership and Your Data

a. **What We Own.** Cisco and its licensors retain ownership of all intellectual property rights in and to the Software and its underlying technology and associated Documentation (together, "Materials"), including all improvements, enhancements, modifications, and derivative works. Cisco reserves all rights to the Materials that are not expressly granted under this Agreement or the Supplemental Terms.

b. **What You Own and What You Do with It.** You retain all right, title and interest in and to Customer Data. You authorize Cisco to use any feedback or ideas You provide in connection with Your Use of the Software for any purpose. You represent that all account information You provide is accurate and will be kept up-to-date and that You will use reasonable means to protect Your account from any unauthorized use or access, and promptly notify Cisco of any such use or access.

c. **How We Use Your Data.** Cisco will process Customer Data and Personal Data in accordance with this Agreement, Cisco's Privacy Statement, and the applicable Supplemental Terms. Cisco will maintain administrative, physical and technical safeguards consistent with industry standards and the Documentation, which are designed to provide security, confidentiality and integrity of the Customer Data we process. Certain Data that Cisco collects from the Software, or that You provide or make accessible to Cisco as part of Your use of the Software, is necessary for the essential use and functionality of such Software. Data is also used by Cisco to provide associated services such as technical support and to continually improve the operation, security and functionality of the Software. For those reasons, You may not be able to opt out from some of the Data collection other than by uninstalling, disabling or ceasing use of the Software.

   i. **Use of Telemetry Data and Statistical Data.** Cisco may process Telemetry Data related to Your use of the Software in order to (i) deliver, enhance, improve, customize, support, and/or analyze the Software and other Cisco offerings, and (ii) derive Statistical Data. Cisco may freely use Telemetry Data that does not identify You or any of Your Authorized Users. Statistical Data is owned by Cisco and may be used for any legitimate interest or purpose, including, without limitation, for purposes of enhancing, developing, marketing, and/or promoting Cisco products and services, including the Software.

   ii. **International Data Transfers.** Cisco may process and store Customer Data and Personal Data in the United States or outside of the country where it was collected. You are responsible for providing any required notices to Authorized Users and obtaining all required consents from Authorized Users regarding the processing and transfer of their Personal Data by the Software, including international transfers. Cisco will only transfer Personal Data consistent with applicable law. If Cisco processes Personal Data from the EEA or Switzerland on Your behalf, we will do so in a manner consistent with the relevant EU- or Swiss-US Privacy Shield Principles ("Principles") (see www.commerce.gov/privacyshield) or successor frameworks. If Cisco transfers Personal Data from an APEC Member Economy on Your behalf, Cisco will process such Personal Data in a manner consistent with the APEC Cross Border Privacy Rules Systems requirements ("CBPRs") (see www.cbprs.org) to the extent the requirements are applicable to Cisco's processing of such data. If Cisco is unable to provide at least the same level of protection as required by the Principles or CBPRs, Cisco will promptly notify You and cease processing.

Section 4. Software Support

We will provide basic technical support for subscription Cloud and Embedded Software, as described in the Supplemental Terms. Higher levels of support for subscription Software, and support for perpetual Software is separately available for purchase.

Section 5. Term and Termination

a. Your right to Use the Software begins on the date (i) the on-premise Embedded Software is made available for download or installation, or (ii) You receive notice that the cloud hosted Cloud Software is provisioned or available for Your use , and continues until the end of the term specified in the Order or Entitlement, unless otherwise terminated in accordance with this Agreement ("Initial Term").

If the Software is licensed for use both on-premise and cloud-hosted, Your right to Use begins on the earlier of the date the Software is made available for download or is ready for provisioning.

b. **Software subscriptions will automatically renew for the renewal period selected on the Order ("Renewal Term") unless (i) either party notifies the other (including via the Approved Source) in writing at least thirty (30) days before the end of the then-current term of its intention not to renew or (ii) You or Your Approved Source elect on the Order at the time of initial purchase not to auto-renew the Software subscriptions. Your Approved Source will notify You reasonably in advance of any Renewal Term if there are fee changes. The new fees will apply for the upcoming Renewal Term unless You or Your Approved Source promptly notify us in writing, before the applicable renewal date, that You do not accept the fee changes. In such event, the Software subscription will terminate at the end of the Initial Term.**

c. If a party materially breaches this Agreement and does not cure that breach within thirty (30) days after receipt of written notice of the breach, the non-breaching party may terminate this Agreement for cause. Cisco also has the right to immediately suspend or terminate Your use of the Software if You breach Section 1.c or Section 1.a or 1.b above. Upon termination or expiration of this Agreement, You must cease any further use of the Software and destroy any copies within Your control. Upon any termination by You for Cisco's material breach of the Agreement, we will refund to You or Your Approved Source any prepaid fees covering the remainder of the Term after the effective date of termination. Upon any termination by Cisco for Your material breach of the Agreement, You will pay Cisco or Your Approved Source any unpaid fees covering the remainder of the Term.

d. Cisco reserves the right to end the life ("EOL") of the Software by providing prior written notice by posting at http://www.cisco.com/c/en/us/products/index.html. If You or Your Approved Source prepaid a license fee for Your Use of EOL Cloud Software, Cisco will use commercially reasonable efforts to transition You to a substantially similar Cloud Software. If Cisco does not have a substantially similar Cloud Service, then Cisco will credit You any unused portion of the prepaid fee for such Cloud Service, calculated from the last date the Cloud Service is available. Such credit can be applied towards the future purchase of Cisco products.

Section 6. General Provisions

a. **Audit.** During the license term for the Software and for a period of three (3) years after its expiration or termination, you will take reasonable steps to maintain complete and accurate records of Your use of the Software sufficient to verify compliance with this Agreement. No more than once pertwelve (12) month period, You will allow Cisco and its auditors the right to examine such records and any applicable books, systems (including Cisco product(s) or other equipment), and accounts, upon reasonable advanced notice, during Your normal business hours. If the audit discloses underpayment of license fees, You or Your Approved Source will pay such license fees plus the reasonable cost of the audit within thirty (30) days of receipt of written notice.

b. **Survival.** Sections 1.b, 3, 5, 6.a, 6.b, 6.d, 6.g shall survive termination or expiration of this Agreement.

c. **Subcontracting.** We may also subcontract any performance associated with the Software to third parties. Any such subcontract will not relieve Cisco of any of its obligations under thisAgreement. **US Government End Users.** The Software and Documentation are "commercial items," as defined at Federal Acquisition Regulation ("FAR") (48 C.F.R.) 2.101, consisting of "commercial computer software" and "commercial computer software documentation" as such terms are used in FAR 12.212. Consistent with FAR 12.211 (Technical Data) and FAR 12.212 (Computer Software) and Defense Federal Acquisition Regulation Supplement ("DFAR") 227.7202-1 through 227.7202-4, and notwithstanding any other FAR or other contractual clause to the contrary in any agreement into which this Agreement may be incorporated, Government end users will acquire the Software and Documentation with only those rights set forth in this Agreement. Any license provisions that are inconsistent with federal procurement regulations are not enforceable against the U.S. Government.

d. **Modifications.** As our business evolves, we may change this Agreement or any of its components (except an Order). Changes to the Agreement will only apply to future Orders.

e. **Compliance with Law.** You will comply with all applicable laws and regulations related to Your receipt and use of the Software. You must ensure You have the right to use all features of the Software in Your jurisdiction. Cisco will comply with all applicable laws in the provision of the Software to You. We may restrict the availability of the Software in any particular location or modify or discontinue features to comply with applicable laws and regulations. Cisco may also share information as necessary to comply with laws and subject to Cisco's policy on law enforcement requests found at http://www.cisco.com/c/en/us/about/trust-transparency-center/validation/report.html.

f. **Integration.** If any portion of this Agreement is not enforceable, it will not affect any other terms. Except as expressly stated in a signed agreement, this Agreement, together with any Supplemental Terms is the complete agreement between the parties with respect to the Software and supersedes all prior or contemporaneous communications, understandings or agreements (whether written or oral) regarding this subject matter. In the event of any conflict, the order of precedence is: i) Supplemental Terms; ii) this Agreement; then iii) any applicable policies referenced in this Agreement. The parties agree that the English version of the Agreement will govern in the event of a conflict between it and any version translated into another language.

Definitions

"Administrative Data" means data related to Your employees or representatives to administer or manage Your use of the Software. Administrative Data may include Personal Data and information about our contractual commitments, whether collected at the time of the initial registration or thereafter.

"Approved Source" means Cisco or a Cisco authorized reseller, distributor or systems integrator, including a Fulfillment Partner under the NASPO ValuePoint Master Agreement Terms and Conditions.

"Authorized User" means the individuals authorized by You to access the Software.

"Cisco" "we," "our" or "us" means Cisco Systems, Inc. or its applicable affiliate, the Contractor under the NASPO ValuePoint Master Agreement Terms and Conditions.

"Cisco Content" means any Cisco-provided content or data including, but not limited to, geographic and domain information, rules, signatures, threat intelligence or other threat data feeds, suspicious URLs and IP address data feeds.

"Cloud Software" means a Cisco-hosted software offering as described in the applicable Cloud Offering Description purchased by You.

"Confidential Information" means non-public confidential or proprietary information of the disclosing party that is clearly marked confidential or should be reasonably assumed as confidential given the nature of the information and the circumstances of disclosure.

"Customer Data" means Purchasing Entity Data in the NASPO ValuePoint Master Agreement Terms and Conditions.

"Data" means Telemetry Data and Statistical Data.

"Documentation" means the Cisco user or technical manuals, training materials, specifications, privacy data sheets, or other information applicable to the Software.

"Entitlement" means the license detail, including license metric, duration, and quantity provided in a product ID (PID) published on Cisco's price list, claim certificate or right to use notification.

"Force Majeure Event" means an event beyond the affected party's reasonable control, including accidents, severe weather events, acts of God, actions of any government agency, epidemic, pandemic, acts of terrorism, or the stability or availability of the Internet or a portion thereof.

"Cloud Offer Description(s)" means the additional terms and conditions applicable to the specific cloud-hosted Software licensed under this Agreement (located here).

"Order" means an ordering document (including a web or other electronic form) that specifies the duration, type/product ID (PID) and quantity of Software to be provided and the associated fees.

"Personal Data" has the same meaning in the NASPO ValuePoint Master Agreement Terms and Conditions.

"SEULA" means the Supplemental End User License Agreement containing additional terms and conditions for the on-premise Software licensed under this Agreement (located here).

"Software" means the binary image of Cisco computer programs (including Upgrades) which could be a downloadable file, delivered on physical media, pre-installed on the on-premise computer system, resident in ROM/Flash (system memory) or cloud-hosted purchased from an Approved Source. Software may be either Embedded Software or Cloud Software.

"Statistical Data" means any information/data that Cisco derives from Customer Data and/or Telemetry Data, provided that such information/data is aggregated and/or de-identified such that it cannot reasonably be used to identify an individual or entity.

"Telemetry Data" means information generated by instrumentation and logging systems created through the use and operation of Cisco products and services.

"Upgrades" means all updates, upgrades, bug fixes, error corrections, enhancements and other modifications to the Software.

"Use" or **"Using"** means to download, install, activate, access or otherwise use the Software

"You" or **"Your"** means the Purchasing Entity purchasing the Software pursuant to the NASPO ValuePoint Master Agreement Terms and Conditions and applicable Participating Addendum.

Exhibit 2 -Additional Contractor Terms and Conditions

Services Exhibit

This Services Exhibit governs all Orders for Services placed under the NASPO Master Agreement Terms and Conditions ("NASPO Master Agreement"). This Services Exhibit consists of the terms set forth in Exhibit 2 (including its attachments) and the Service Description Purchasing Entity may elect to purchase.

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1. **DEFINITIONS**

   Terms not defined in the body of the NASPO Master Agreement are those set out in the Glossary of Terms at the end of this Exhibit 2.

2. **SCOPE**

   This Exhibit describes the terms and conditions for (a) Direct Purchases from Cisco by Customer of Services, and (b) delivery by Cisco of the Services according to the options ordered by Customer or otherwise provided by Cisco to Customer. Cisco will provide Services for Products and Customer will be entitled to receive Services for which (i) the applicable Services fees have been paid, (ii) a valid Software license has been granted and (iii) Customer provides information requested by Cisco such as valid serial numbers, site location, contract number, and Product type.

3. **PRICING**

   For direct purchases from Cisco, and subsequent Equipment List renewals, prices for Services shall be those specified in Cisco's then-current Price List less any applicable contract discount in effect under the NASPO Master Agreement at the time of acceptance of the Purchase Order by Cisco, or (b) those set forth in a written price quotation submitted by Cisco or its Fulfilment Partner, if at or below the stated contract discount. All stated prices are exclusive of taxes, fees, and duties or other amounts in accordance with the NASPO Master Agreement. Any taxes related to Services purchased pursuant to this Agreement shall be paid by Customer or Customer shall present an exemption certificate acceptable to the taxing authorities. Applicable taxes shall be billed as a separate item on the invoice, to the extent possible. In the event that Customer is unable to provide valid and applicable serial number(s) for Product and Cisco agrees to provide Services, then Service fees payable by Customer shall be at Cisco's then-current time and materials or non-contract service rates. Subject to the price discount floor established by Cisco under the NASPO Master Agreement, for indirect purchases, Fulfillment Partners are free to determine their resale prices unilaterally.

   Customer understands that no employee or representative of Cisco or anyone else has any authority to determine such resale prices, or to limit the Fulfillment Partners' pricing discretion with respect to Services

   In the event that Customer is unable to provide valid and applicable serial number(s) for Product and Cisco agrees to provide Services, then Service fees payable by Customer shall be at Cisco's then-current time and materials or non contract service rates.

4. **INVOICING**

   Fees for Services, other than those for which a SOW is required, shall be invoiced in advance of delivery of Services. The timing of invoices for Services provided pursuant to a SOW shall be set forth in the respective SOW.

5. **TERM AND TERMINATION**

   a. The term of an Equipment List shall commence on the date set forth on such Equipment List, which may be up to sixty (60) days following the date of Purchase Order acceptance. The term of an Equipment List shall be for a period of one year and shall be renewed automatically for

successive one year terms, unless either party notifies the other of its intent to terminate at least sixty (60) days prior to the expiration of the then current one year term.

b. The term of each SOW shall be stated in the SOW.

c. Any Equipment List or SOW may be terminated if Services fees are not paid when due and payment has not been received within thirty (30) days after notice from Cisco of such past due payment, or otherwise in accordance with the termination provisions set out in the Agreement.

d. Cisco reserves the right to make changes to the scope and content of the Services or part thereof, including terminating the availability of a given Service, at any time upon thirty (30) days' prior notice. Such changes will become effective upon renewal of the affected Equipment Lists and SOWs. If Customer does not agree to a change of scope or content, Customer may terminate any affected Equipment List or SOW by notifying Cisco at least sixty (60) days prior to the expiration of the then current one year term of the Equipment List or SOW. In such case, Cisco shall continue to provide Services until the next expiration date of the affected Equipment List or SOW.

e. Upon termination of any Equipment List, or SOWs, Customer shall pay Cisco for all work performed under the affected Equipment Lists or SOWs up to the effective date of termination at the agreed-upon prices, fees, and expense reimbursement rates.

f. Firm Orders for Services under this Services Exhibit placed and accepted prior to expiration of the contract term, (even if involving a multi-year commitment) remain valid in accordance with the contract terms which shall remain binding as to such prior orders only for the term stated therein, and shall not otherwise constitute an extension of the NASPO Master Agreement and this Services Exhibit for any other Services.

6. [INTENTIONALLY LEFT BLANK]

7. LICENSES

a. Subject to Customer's compliance with the terms of this Services Exhibit, any applicable AS Service Description or SOW, and the End User License Agreement (**EULA**) set forth in Exhibit 1, Cisco grants to Customer a worldwide, non-exclusive and non-transferable license to use for Customer's internal business use only: (i) Software provided as a result of Services, if any, solely in object code form; (ii) other Deliverables specified in an applicable AS Service Description or SOW, if any, and (iii) Data Collection Tools, if any (collectively and individually, the "**Licensed Materials**"). In addition, Cisco grants to Customer a right to modify and create derivative works of any Scripts provided by Cisco to Customer pursuant to this Services Exhibit, solely for Customer's internal business use. These license grants do not include the right to sublicense; provided that Customer may permit its suppliers, subcontractors and other related third parties to use the Licensed Materials solely on Customer's behalf for Customer's benefit, provided that Customer ensures that any such use is subject to license restrictions and confidentiality obligations at least as protective of Cisco's rights in such Licensed Materials as are specified in this Agreement.

b. Nothing in this Agreement, any AS Service Description or any SOW shall alter or affect the Intellectual Property rights and/or licenses provided with any Cisco Products.

c. Customer hereby grants to Cisco a perpetual, irrevocable, royalty free, worldwide right and license to all Intellectual Property in the Customer Feedback (as defined below) to use and incorporate Customer Feedback into any Services, Products, Deliverables, Data Collection Tools, Reports, Scripts or Cisco Pre-Existing Technology, and to use, make, have made, offer to sell, sell, copy, distribute and create derivative works of such Customer Feedback for any and all purposes whatsoever, and Customer acknowledges and agrees that it will obtain no rights in or to any Services, Products, Deliverables, Data Collection Tools, Reports, Scripts or Cisco Pre-Existing Technology as a result of Cisco's use of any such Customer Feedback. For purposes of this Agreement, "**Customer Feedback**" means all oral or written communications regarding improvements or changes to any Services, Products, Deliverables, Data Collection Tools, Reports, Scripts or Cisco Pre-Existing Technology that Customer provides to Cisco.

8. **OWNERSHIP**

a. Each party will retain the exclusive ownership of all its pre-existing Intellectual Property, Confidential Information and materials, including, without limitation, proprietary ideas, sketches, diagrams, text, know-how, concepts, proofs of concepts, artwork, software, algorithms, methods, processes, identifier codes or other technology that are owned by a party prior to commencement of any Services hereunder, or that are otherwise developed by or for such party outside the scope of this Agreement ("**Pre-Existing Technology**").

b. Except as otherwise expressly set forth in applicable SOW, Cisco owns and will continue to own all right, title and interest in and to the Services, Products, Deliverables, Data Collection Tools, Reports, Scripts, sketches, diagrams, text, know-how, concepts, proofs of concepts, artwork, software, algorithms, methods, processes, identifier codes or other technology provided or developed by Cisco (or a third party acting on Cisco's behalf) pursuant to this Agreement, including modifications, enhancements, improvements or derivative works of any of the foregoing, regardless of who first conceives or reduces to practice, and all Intellectual Property in any of the foregoing (collectively, "**Cisco Intellectual Property**").

c. As between Customer and Cisco, Customer shall at all times retain all right, title and interest in and to all of Customer's Pre-Existing Technology and all Intellectual Property that is developed by Customer or by a third party on Customer's behalf thereafter, other than Cisco Intellectual Property. Third Party Products shall at all times be owned by the applicable third party, and will be subject to any applicable third party license terms.

9. **SUBCONTRACTING**

Cisco reserves the right to subcontract Services to a third-party organization to provide Services to Customer. Any such subcontract shall not relieve Cisco of any of its obligations under this Services Exhibit or the NASPO Master Agreement.

EXHIBIT 2 -- ATTACHMENT 1

GLOSSARY OF TERMS

Additional Services means installation of new Hardware, system additions, Hardware upgrades, dispatch of a field engineer, or non-mandatory engineering changes.

Advance Replacement means shipment of replacement Field-Replaceable Unit (FRU) before receiving failed or defective FRU.

Advanced Services means the Services set forth in the AS Service Description(s) found at http://www.cisco.com/go/servicedescriptions and/or SOW(s) selected by the Customer. Advanced Services does not include Cisco's core maintenance services, such as Smart Net Total Care or Software Application Services, nor does it apply to the purchase, support or maintenance of any Products.

Advanced Services Engineer means the Cisco engineer appointed to be the main point of contact for a Customer purchasing Advanced Services.

Application Software means non-resident or standalone Software Products listed on the Price List that include but are not limited to Cisco Systems® Network management Software, security Software, IP telephony Software, Internet appliance Software, Cisco® Intelligent Contact Management Software, IP Contact Center Software, and Cisco Customer Interaction Suite Software.

AS Service Descriptions mean the description of the Advanced Services available from Cisco, which are available at http://www.cisco.com/go/servicedescriptions and which are incorporated in this Agreement by reference.

Authorized Channel means a system integrator, distributor or reseller authorized by Cisco to sell Services.

Business Days means the generally accepted days of operation per week within the relevant region where the Services shall be performed, excluding local holidays as observed by Cisco.

Cisco means Contractor under the NASPO Master Agreement.

Customer means Purchasing Entity under the NASPO Master Agreement.

Data Collection Tools means Hardware and/or Software tools that support Cisco's ability to provide troubleshooting on cases, data analysis, and report generation capabilities as part of the Advanced Services.

Depot Time or **Local Time** means Central European Time for Services provided in Europe-Middle-East and Africa, Australia's Eastern Standard Time for Services provided in Australia, Japan's Standard Time for Services provided in Japan, and Pacific Standard Time for Services provided in all other locations.

Deliverable(s) means, with respect to each AS Service Description and/or SOW, the items to be delivered by Cisco to Customer as set forth in an applicable AS Service Description and/or SOW, including, without limitation, any Software, Reports, Data Collection Tools, and/or Scripts.

Device Type means a Cisco supported Hardware Product (for example, Cisco Catalyst® 6509 Switch, GSR 12000 and Cisco 7200 Series Router).

Direct Purchases means purchases of Services by Customer directly from Cisco.

Equipment List means the list of Hardware and/or Software for which Cisco provides services.

Event means notification by Customer of its performance of a planned Network Hardware, Software, or configuration change.

Feature Set Upgrade means a separately licensed and priced Software release that contains an enhanced configuration or feature set.

Field-Replaceable Unit (FRU) means any component or subassembly of an item or unit of Hardware that reasonably can be replaced at Customer's location. FRUs also may be subject to size and weight limitations.

Four-hour Response means:

(i) For Advance Replacement Service, the four-hour time period commences upon the Cisco problem diagnosis and determination that a FRU is required and ends when the FRU is delivered onsite.

(ii) For onsite service, the four-hour time period commences upon the Cisco problem diagnosis and determination that remedial onsite service is required and ends when Cisco personnel arrive onsite.

Indirect Purchases means purchases of Services by Customer through an Authorized Channel.

Intellectual Property means any and all tangible and intangible: (i) rights associated with works of authorship throughout the world, including but not limited to copyrights, neighboring rights, moral rights, and mask works, and all derivative works thereof, (ii) trademark and trade name rights and similar rights, (iii) trade secret rights, (iv) patents, designs, algorithms and other industrial property rights, (v) all other intellectual and industrial property rights (of every kind and nature throughout the world and however designated) whether arising by operation of law, contract, license, or otherwise, and (vi) all registrations, initial applications, renewals, extensions, continuations, divisions or reissues thereof now or hereafter in force (including any rights in any of the foregoing).

Level 1 means support that is defined as having the necessary technical staff (Cisco or Cisco-authorized reseller) with appropriate skill, perform installations, Remedial Hardware Maintenance, and basic Hardware and Software configuration on Cisco Products.

Level 2 means support that is defined as having the necessary technical staff with the appropriate skills to perform isolation, replication and diagnosis of internet-based problems on Cisco Product(s). Customer shall not report Software bugs to Cisco prior to attempting to identify the source of such bugs and testing in Customer's Network where appropriate. If the Customer cannot duplicate the bug in Customer's Network, Customer and Cisco shall cooperate in attempting to replicate and resolve related Software bugs in either Customer's or Cisco's test facility as mutually agreed. In all cases Customer will address Software bugs on a best effort basis to replicate same in Customer's Network and document activity to Cisco before seeking further resolution with Cisco's participation.

Local Time means local time on Business Days.

Maintenance Release means an incremental Software release that provides maintenance fixes and may provide additional Software functions. Cisco designates Maintenance Releases as a change in the digits to the right of the tenths digit or of the hundredths digit of the Software version number [x.x.(x) or x.x.x.(x)].

Major Release means a release of Software that provides additional software functions. Cisco designates Major Releases as a change in the ones digit of the Software version number [(x).x.x].

Minor Release means an incremental release of Software that provides maintenance fixes and additional Software functions. Cisco designates Minor releases as a change in the tenths digit of the Software version number [x.(x).x].

Network means a set of interconnected and interworking Cisco supported Hardware and Software that is implemented, operated, and supported by Customer from a single network operations center (NOC).

Network Infrastructure means your core transport and aggregation Network technology (for example, metro optical, ATM/Frame Relay, IP core and Cisco security devices including, but not limited to, Firewall, IDS and VPN3000).

Network Infrastructure Size means the total value of Products in Customer's Network based on the global list price of the Products that Customer has purchased.

Remedial Hardware Maintenance means diagnosis and onsite replacement of Hardware components with FRUs.

Reports means reports, recommendations, network configuration diagrams, and related non-Software Deliverables provided by Cisco to Customer pursuant to this Agreement.

Scripts means software scripts, macros and batch files provided by Cisco to Customer pursuant to this Agreement.

Services means one or more of the services options selected by the Customer in its Purchase Order and described at: http://www.cisco.com/go/servicedescriptions

Services Descriptions mean the detailed descriptions of the Services purchased by Customer which are incorporated into this Services Exhibit by reference.

Standard Business Hours means (i) 8:00 AM to 5:00 PM, Depot time, on Business Days for replacement of failed Products and (ii) 8:00 AM to 5:00 PM, Local Time at location of the respective Cisco TAC, on Business Days for case handling of TAC calls.

TAC means the Cisco Technical Assistance Center.

Technical Support Services means Services that provide both essential proactive and reactive operation and maintenance support Services identified as Technical Support Services at http://www.cisco.com/go/servicedescriptions.

Technology Application means specific technologies including, but not limited to, content networking, broadband, and IP telephony that do not operate at the Network Infrastructure level.

Third Party Products means third party hardware and/or software, and all upgrades/updates thereto, that are designated by Cisco as required for:

(i) The operation of Application Software in conformance with Cisco applicable Application Software Documentation; and

(ii) Cisco support of the Application Software.

Transactional Advanced Services means the project related or consultancy Services sold under a Statement of Work.

Two-hour Response means:

(i) For Advance Replacement, the two-hour time period commencing with Cisco's problem diagnosis and determination that a FRU is required and ending when the FRU is delivered onsite.

(ii) For onsite service, the two-hour time period commencing with our problem diagnosis and determination that remedial onsite service is required and ending when Cisco personnel arrive onsite.

Update means Cisco Software Maintenance Releases, Minor Releases and Major Releases containing the same configuration or feature set as originally acquired, unless the Customer has upgraded the applicable Hardware or Software to a configuration or feature set other than what was originally acquired, and the applicable license fee for that upgrade has been paid. Updates do not include Feature Set Upgrades.

EXHIBIT 2 -- ATTACHMENT 2

CISCO SEVERITY AND ESCALATION GUIDELINES

Customer shall assign a severity to all problems submitted to Cisco.

Severity 1 means an existing Network is down or there is a critical impact to Customer's business operation. Customer and Cisco both will commit full-time resources to resolve the situation.

Severity 2 means operation of an existing Network is severely degraded or significant aspects of Customer's business operation are negatively impacted by unacceptable Network performance. Customer and Cisco both will commit full-time resources during Standard Business Hours to resolve the situation.

Severity 3 means operational performance of the Network is impaired, although most business operations remain functional. Customer and Cisco both are willing to commit resources during Standard Business Hours to restore service to satisfactory levels.

Severity 4 means information is required on Application Software capabilities, installation, or configuration. There is little or no impact to Customer's business operation. Customer and Cisco both are willing to provide resources during Standard Business Hours to provide information or assistance as requested.

If you do not believe that adequate progress is being made or that the quality of Cisco service is satisfactory, we encourage you to escalate the problem to the appropriate level of management by asking for the TAC duty manager.

Cisco Escalation Guideline

Elapsed Time*	Severity 1	Severity 2	Severity 3	Severity 4
1 hour	Customer Engineering Manager			
4 hours	Technical Support Director	Customer Engineering Manager		
24 hours	Vice President, Customer Advocacy	Technical Support Director		
48 hours	President/CEO	Vice President, Customer Advocacy		
72 hours			Customer Engineering Manager	
96 hours		President/CEO	Technical Support Director	Customer Engineering Manager

*Severity 1 escalation times are measured in calendar hours—24 hours per day, 7 days per week. Severity 2, 3, and 4 escalation times correspond with Standard Business Hours.

EXHIBIT 2 -- ATTACHMENT 3

SERVICES NOT COVERED

Services that are not expressly set forth in the applicable Service Description or Statement of Work document are not covered under such Service Description or Statement of Work, including, without limitation, the following:

1. Services are only provided for generally available Products and Software releases/versions, unless agreed otherwise.
2. Any customization of, or labor to install, Software and Hardware (including installation of Updates).
3. Furnishing of supplies, accessories or the replacement of expendable parts (e.g., cables, blower assemblies, power cords, and rack mounting kits).
4. Electrical or site work external to the Products.
5. Any expenses incurred to visit End User's location, except as required during escalation of problems by Cisco.
6. Service for Hardware that is installed outdoors or that is installed indoors but requires special equipment to perform such Service.
7. Hardware replacement in quantities greater than three (3) FRUs, including those replacements due to pervasive issues documented in an engineering change notice or field alert unless End User has troubleshot failed Hardware down to the FRU level.
8. Services performed at domestic residences.
9. Support or replacement of Product that is altered, modified, mishandled, destroyed or damaged by one or more of the following: (a) natural causes; (b) environmental failures; (c) your failure to take any required actions; (d) a negligent or willful act or omission by you or use by you other than as specified in the applicable Cisco-supplied documentation; or (e) an act or omission of a third party.
10. Services or software to resolve Software or Hardware problems resulting from third party product or causes beyond Cisco's control or failure to perform your responsibilities set out in this document.
11. Services for non-Cisco Software installed on any Cisco Product.
12. Any Hardware or third party product upgrade required to run new or updated Software.
13. Erasure or other removal of any customer or third party data on Products (or parts thereof) returned, repaired or otherwise handled by Cisco.
14. Additional Services are provided at the then-current time and materials rates.
15. Except as otherwise agreed, Software entitlement, including media, documentation, binary code, source code or access in electronic or other form is not provided. In addition, except as otherwise provided, no right, use or license to our Software is granted and you acknowledge and agree that you obtain no such rights.
16. Application Software is not supported as part of the SMARTnet support services provided by Cisco and is only supported under a separate service description.

The non-entitlement policies posted at http://www.cisco.com/go/warranty are hereby incorporated into this Agreement by this reference.

Capitalized terms are defined in the Glossary of Terms, or may be as set forth in the applicable Service Description or Statement of Work.

Attachment B – Scope of Services Awarded to Contractor

I. Data Communications Award Categories

The scope for this contract is as provided below. Contractor may offer products (i.e. white box, artificial intelligence, etc.) and services within the Categories it received an award in. Each category also allows for Internet of Things (IoT) products. These products must be an IoT product that can be deployed within, upon, or integrated into a government agency's physical asset to address government line of business needs. Proposals are expected to include IoT products designed to support common government lines of business in specific subcategories i.e. routers, switches, end points, etc. IoT products can only be provided in categories that the vendor is awarded in and can include endpoints that support items in that category.

Category 1.1: UNIFIED COMMUNICATIONS (UC).

A set of products that provides a consistent unified user interface and user experience across multiple devices and modes of communications. Unified Communications that is able to provide services such as session management, voice, video, messaging, mobility, and meeting solutions (i.e., web, audio, IM&P, file sharing, white boarding, guest support, etc.). It can provide the foundation for advanced unified communications capabilities of IM and presence-based services and extends telephony features and capabilities to packet telephony network devices such as IP phones, media processing devices, Voice over IP (VoIP) gateways, and multimedia applications. Additional services, such as unified messaging, multimedia conferencing, collaborative contact centers, and interactive multimedia response systems, are made possible through open telephony APIs. General UC solution capabilities should include:

- High Availability for Call Processing
- Hardware Platform High Availability
- Network Connectivity High Availability
- PSTN Access resiliency
- Call Processing Redundancy
- Optional Branch Office Survivability Services

1.1.1 IP Telephony — Solutions utilized to provide the delivery of the telephony application (for example, call setup and teardown, and telephony features) over IP, instead of using circuit-switched or other modalities. Capabilities should include:

- Support for analog, digital, and IP endpoints
- Centralized Management
- Enterprise Telephony Features (CFx, Transfer, CID, Shared line appearance, One Number Service, etc.)
- Provide basic hunt group and call queuing capabilities
- Flexibility to configure queue depth and hold time, play unique announcements and Music on Hold (MoH), log in and log out users from a queue and basic queue statistics (from the phone
- E911 Support
    - National E911 Routing Services (proper PSAP routing when PSTN access is centralized)
    - 911 Device Tracking Services
    - 911 On-Site Notification Services

1.1.2 Instant messaging/ Presence — Solutions that allow communication over the Internet Protocol, within the enterprise, and remotely, as well as with guest users that offers quick transmission of text-based messages from sender to receiver. In push mode between two or more people using personal computers, Desktop (Windows/Mac/VDI/Linux), Mobile/Smartphone, Tablet, along with shared clients, instant messaging basically offers real-time direct written language-based online chat. Instant messaging may also provide video calling, file sharing, PC-to-PC voice calling and PC-to-regular-phone calling.

- IM Persistency / Workstream Collab
- File Sharing Services, Desktop Sharing Services

1.1.3 Unified messaging — Integration of different electronic messaging and communications media (e-mail, SMS, Fax, voicemail, video messaging, etc.) technologies into a single interface, accessible from a variety of different devices.

- Ability to access and manage voice messages in a variety of ways, using email inbox, Web browser, desktop client, VoIP phone, or mobile phone
- Visual Voicemail Support (Optional)
- ASR / Transcription Services for recorded messages

1.1.4 Contact Center — A computer-based system that provides call and contact routing for high-volume telephony transactions, with specialist answering "agent" stations and a sophisticated real-time contact management system. The definition includes all contact center systems that provide inbound contact handling capabilities, outbound call/contact center and automatic contact distribution, combined with a high degree of sophistication in terms of dynamic contact traffic routing management.

1.1.5 Communications End Points and Applications

- Attendant Consoles (Telephone Station)
- IP Phones (desktop devices and accessories)
- Room Based Conferencing Endpoints (Conf Phones, SparkBoard, JamBoard, Surface Hub)

1.1.6 UC Network Monitoring — Provides end-to-end service management for Unified Communications. Capabilities include testing, performance monitoring, configuration management, accounting/billing, analytics (capacity planning), contact center specialized reports (utilization, queue KIIs, call abandonment rations, etc.), and business intelligence reporting.

1.1.7 Collaboration — Voice, video, workstream collaboration, and web conferencing; messaging; mobile applications; and enterprise social software. Doesn't include the audio visional software or hardware.

1.1.8 Collaborative Video — A set of immersive video technologies that enable people to feel or appear as if they were present in a location that they are not physically in. Immersive video consists of a multiple codec video system, where each meeting attendee uses an immersive video room to "dial in" and can see/talk to every other member on a screen (or screens) as if they were in the same room and provides call control that enables intelligent video bandwidth management.

1.1.9 Content Delivery Systems (CDS) — A large distributed system of servers deployed in multiple data centers connected by the Internet. The purpose of the content delivery system is to serve content to a very large number of end-users (i.e., quarterly all hands meetings/webinar) with high availability and high performance. CDSs serve content over the Internet, including web objects (text, graphics, URLs, and scripts), downloadable objects (media files, software, documents), applications (e-commerce, portals), live streaming media, on-demand streaming media, and social networks.

Category 1.2: NETWORKING.

1.2.1 Network Application Services.

Application networking solutions and technologies that enable the successful and secure delivery of applications to local, remote, and branch-office users using technology to accelerate, secure, and increase availability of both application traffic and computing resources.

1.2.1.1 Virtualized Load Balancers — Virtual devices that act like a reverse proxy to distribute network and/or application traffic across multiple servers to improve the concurrent user capacity and overall reliability of applications. Capabilities should include:

- SSL (Secure Sockets Layer) Off-loading
- Caching capabilities
- Layer 4 Load Balancing
- Layer 7 Load Balancing
- Detailed Reporting
- Supports multiple load balancers in the same system for multiple groups
- Supports TLS1.2

1.2.1.2 WAN Optimization — An appliance utilizing a collection of techniques for increasing data-transfer efficiencies across wide-area networks (WAN). Capabilities should include:

- CIFS (Common Internet File System) acceleration
- Data Compression
- SSL encryption/decryption for acceleration (Optional)
- Layer 4-7 visibility
- Application Specific optimization
- Network analysis tools (solutions utilized to collect, classify, analyze, and securely store log messages)

1.2.2 Networking Software.

Software that runs on a server, or within the Cloud, and enables the server to manage data, users, groups, security, applications, and other networking functions. The network operating system is designed to allow transfer of data among multiple computers in a network, typically a local area network (LAN), a private network or to other networks. Networking software capabilities should include:

- Restartable Process
- High availability options
- Targeted operating systems, i.e. DC, campus, core, wan, etc.
- Operating System Efficiencies
- Network analysis tools (solutions utilized to collect, classify, analyze, and securely store log messages).

1.2.2.1 Network Management and Automation — Software products and solutions for network automation, cloud computing, and IT systems management.

1.2.2.2 Data Center Management and Automation — Software products and solutions that capture and automate manual tasks across servers, network, applications, and virtualized infrastructure.

1.2.2.3 Cloud Portal and Automation — Software products and solutions for cloud management with policy-based controls for provisioning virtual and physical resources.

1.2.2.4 Branch Office Management and Automation — Software products and solutions for management of branch offices. Capabilities include remote troubleshooting, device management, and WAN performance monitoring.

1.2.3 Network Optimization and Acceleration.

Devices and tools for increasing data-transfer efficiencies across wide-area networks.

1.2.3.1 Data Analytics — Appliance for improving network management by more effectively factoring in issues related to congestion, such as utilization, service consumption and routing. Provides real-time insights into network traffic to determine the value of different portions of that traffic.

1.2.3.2 Dynamic Load Balancing (Network Traffic Management) — An appliance that performs a series of checks and calculations to determine which server can best service each client request in order to select the server that can successfully fulfill the client request and do so in the shortest amount of time without overloading either the server or the server farm as a whole.

1.2.3.3 WAN Acceleration — Appliance that optimizes bandwidth to improve the end user's experience on a wide area network (WAN). Capabilities should include:

- CIFS acceleration
- Data Compression
- SSL encryption/decryption for acceleration (Optional)
- Layer 4-7 visibility
- Application Specific optimization

1.2.3.4 High Availability and Redundancy — Limits any disruption to network uptime should an appliance face unforeseen performance issues. Transparently redistributes workloads to surviving cluster appliances without impacting communication throughout the cluster.

1.2.4 Optical Networking.

High capacity networks based on optical technology and components that provide routing, grooming, and restoration at the wavelength level as well as wavelength based services.

1.2.4.1 Core DWDM (Dense Wavelength Division Multiplexing) Switches — Switches used in systems designed for long haul and ultra long-haul optical networking applications.

1.2.4.2 Edge Optical Switches — Provide entry points into the enterprise or service provider core networks.

1.2.4.3 Optical Network Management — Provides capabilities to manage the optical network and allows operators to execute end-to-end circuit creation.

1.2.4.4 IP over DWDM (IPoDWDM) — A device utilized to integrate IP Routers and Switches in the OTN (Optical Transport Network).

Category 1.3: ROUTERS, SWITCHES, SECURITY, AND NETWORKING STORAGE.

1.3.1 Routers.

A device that forwards data packets along networks. A router is connected to at least two networks, commonly two LANs or WANs or a LAN and its ISP's network. Routers are located at gateways, the places where two or more networks connect, and are the critical device that keeps data flowing between networks and keep the networks connected to the Internet.

1.3.1.1 Branch Routers — A multiservice router typically used in branch offices or locations with limited numbers of users and supports flexible configurations/feature. For example: security, VoIP, wan acceleration, etc.

1.3.1.2 Network Edge Routers — A specialized router residing at the edge or boundary of a network. This router ensures the connectivity of its network with external networks, a wide area network or the Internet. An edge router uses an External Border Gateway Protocol, which is used extensively over the Internet to provide connectivity with remote networks.

1.3.1.3 Core Routers - High performance, high speed, low latency routers that enable Enterprises to deliver a suite of data, voice, and video services to enable next-generation applications such as IPTV and Video on Demand (VoD), and Software as a Service (SaaS).

1.3.1.4 Service Aggregation Routers — Provides multiservice adaptation, aggregation and routing for Ethernet and IP/MPLS networks to enable service providers and enterprise edge networks simultaneously host resource-intensive integrated data, voice and video business and consumer services.

1.3.1.5 Carrier Ethernet Routers — High performance routers that enable service providers to deliver a suite of data, voice, and video services to enable next-generation applications such as IPTV, Video on Demand (VoD), and Software as a Service (SaaS).

1.3.2 Security.

1.3.2.1 Data Center and Virtualization Security Products and Appliances — Products designed to protect high-value data and data center resources with threat defense and policy control.

1.3.2.2 Intrusion Detection/Protection and Firewall Appliances — Provide comprehensive inline network firewall security from worms, Trojans, spyware, key loggers, and other malware. This includes Next-Generation Firewalls (NGFW), which offer a wire-speed integrated network platform that performs deep inspection of traffic and blocking of attacks. Intrusion Detection/Protection and Firewall Appliances should provide:

- Non-disruptive in-line bump-in-the-wire configuration
- Standard first-generation firewall capabilities, e.g., network-address translation (NAT), stateful protocol inspection (SPI) and virtual private networking (VPN), etc.
- Application awareness, full stack visibility and granular control
- Capability to incorporate information from outside the firewall, e.g., directory-based policy, blacklists, white lists, etc.
- Upgrade path to include future information feeds and security threats
- SSL decryption to enable identifying undesirable encrypted applications (Optional)

1.3.2.3 Logging Appliances and Analysis Tools — Solutions utilized to collect, classify, analyze, and securely store log messages.

1.3.2.4 Secure Edge and Branch Integrated Security Products — Network security, VPN, and intrusion prevention for branches and the network edge. Products typically consist of appliances or routers.

1.3.2.5 Secure Mobility Products — Delivers secure, scalable access to corporate applications across multiple mobile devices.

1.3.2.6 Encryption Appliances — A network security device that applies crypto services at the network transfer layer - above the data link level, but below the application level.

1.3.2.7 On-premise and Cloud-based services for Network Communications Integrity — Solutions that provide threat protection, data loss prevention, message level encryption, acceptable use and application control capabilities to secure web and email communications. This could include cloud access security brokers (CASBs) and DNS security.

1.3.2.8 Secure Access — Products that provide secure access to the network for any device, including personally owned mobile devices (laptops, tablets, and smart phones). Capabilities should include:

- Management visibility for device access
- Self-service on-boarding

- Centralized policy enforcement
- Differentiated access and services
- Device Management

1.3.3 Storage Networking.

High-speed network of shared storage devices connecting different types of storage devices with data servers.

1.3.3.1 Director Class SAN (Storage Area Network) Switches and Modules — A scalable, high-performance, and protocol-independent designed primarily to fulfill the role of core switch in a core-edge Fibre Channel (FC), FCOE or similar SAN topology. A Fibre Channel director is, by current convention, a switch with at least 128 ports. It does not differ from a switch in core FC protocol functionality. Fibre Channel directors provide the most reliable, scalable, high-performance foundation for private cloud storage and highly virtualized environments.

1.3.3.2 Fabric and Blade Server Switches — A Fibre Channel switch is a network switch compatible with the Fibre Channel (FC) protocol. It allows the creation of a Fibre Channel fabric, which is currently the core component of most SANs. The fabric is a network of Fibre Channel devices, which allows many-to-many communication, device name lookup, security, and redundancy. FC switches implement zoning; a mechanism that disables unwanted traffic between certain fabric nodes.

1.3.3.3 Enterprise and Data Center SAN and VSAN (Virtual Storage Area Network) Management - Management tools to provisions, monitors, troubleshoot, and administers SANs and VSANs.

1.3.3.4 SAN Optimization — Tools to help optimize and secure SAN performance (ie. Encryption of data- at-rest, data migration, capacity optimization, data reduction, etc.

1.3.4: Switches.

Layer 2/3 devices that are used to connect segments of a LAN (local area network) or multiple LANs and to filter and forward packets among them.

1.3.4.1 Campus LAN – Access Switches — Provides initial connectivity for devices to the network and controls user and workgroup access to internetwork resources. The following are some of the features a campus LAN access switch should support:

1. Security
    a. SSHv2 (Secure Shell Version 2)
    b. 802.1X (Port Based Network Access Control)
    c. Port Security
    d. DHCP (Dynamic Host Configuration Protocol) Snooping
2. VLANs
3. Fast Ethernet/Gigabit Ethernet
4. PoE (Power over Ethernet)
5. link aggregation
6. 10 Gb support
7. Port mirroring
8. Span Taps
9. Support of IPv6 and IPv4
10. Standards-based rapid spanning tree
11. NetFlow Support (Optional).

1.3.4.2 Campus LAN – Core Switches — Campus core switches are generally used for the campus backbone and are responsible for transporting large amounts of traffic both reliably and quickly. Core switches should provide:

- High bandwidth
- Low latency
- Hot swappable power supplies and fans
- Security
    - SSHv2
    - MacSec encryption
    - Role-Based Access Control Lists (ACL)
- Support of IPv6 and IPv4
- 1/10/40/100 Gbps support
- IGP (Interior Gateway Protocol) routing
- EGP (Exterior Gateway Protocol) routing
- VPLS (Virtual Private LAN Service) Support
- VRRP (Virtual Router Redundancy Protocol) Support
- NetFlow Support.

1.3.4.3 Campus Distribution Switches — Collect the data from all the access layer switches and forward it to the core layer switches. Traffic that is generated at Layer 2 on a switched network needs to be managed, or segmented into Virtual Local Area Networks (VLANs), Distribution layer switches provides the inter-VLAN routing functions so that one VLAN can communicate with another on the network. Distribution layer switches provides advanced security policies that can be applied to network traffic using Access Control Lists (ACLs).

- High bandwidth
- Low latency
- Hot swappable power supplies and fans
- Security (SSHv2 and/or 802.1X)
- Support of IPv6 and IPv4
- Jumbo Frames Support
- Dynamic Trunking Protocol (DTP)
- Per-VLAN Rapid Spanning Tree (PVRST+)
- Switch-port auto recovery
- NetFlow Support or equivalent

1.3.4.4 Data Center Switches — Data center switches, or Layer 2/3 switches, switch all packets in the data center by switching or routing good ones to their final destinations, and discard unwanted traffic using Access Control Lists (ACLs) a minimum of 10 Gigabit speeds. High availability and modularity differentiates a typical Layer 2/3 switch from a data center switch. Capabilities should include:

- High bandwidth
- Low latency
- Hot swappable power supplies and fans
- Ultra-low latency through wire-speed ports with nanosecond port-to-port latency and hardware-based Inter-Switch Link (ISL) trunking
- Load Balancing across Trunk group able to use packet based load balancing scheme
- Bridging of Fibre Channel SANs and Ethernet fabrics
- Jumbo Frame Support

- Plug and Play Fabric formation that allows a new switch that joins the fabric to automatically become a member
- Ability to remotely disable and enable individual ports
- Support NetFlow or equivalent

1.3.4.5 Software Defined Networks (SDN) — An application in SDN that manages flow control to enable intelligent networking.

1.3.4.6 Software Defined Networks (SDN) - Virtualized Switches and Routers — Technology utilized to support software manipulation of hardware for specific use cases.

1.3.4.7 Software Defined Networks (SDN) — Controllers - is an application in software-defined networking (SDN) that manages flow control to enable intelligent networking. SDN controllers are based on protocols, such as OpenFlow, that allow servers to tell switches where to send packets. The SDN controller lies between network devices at one end and applications at the other end. Any communications between applications and devices have to go through the controller. The controller uses multiple routing protocols including OpenFlow to configure network devices and choose the optimal network path for application traffic.

1.3.4.8 Carrier Aggregation Switches — Carrier aggregation switches route traffic in addition to bridging (transmitted) Layer 2/Ethernet traffic. Carrier aggregation switches' major characteristics are:

- Designed for Metro Ethernet networks
- Designed for video and other high bandwidth applications
- Supports a variety of interface types, especially those commonly used by Service Providers

Capabilities should include:

- Redundant Processors
- Redundant Power
- IPv4 and IPv6 unicast and multicast
- High bandwidth
- Low latency
- Hot swappable power supplies and fans
- MPLS (Multiprotocol Label Switching)
- BGP (Border Gateway Protocol)
- Software router virtualization and/or multiple routing tables
- Policy based routing
- Layer 2 functionality
    - Per VLAN Spanning Tree
    - Rapid Spanning Tree
    - VLAN IDs up to 4096
    - Layer 2 Class of Service (IEEE 802.1p)
    - Link Aggregation Control Protocol (LACP)
    - QinQ (IEEE 802.1ad)

1.3.4.9 Carrier Ethernet Access Switches — A carrier Ethernet access switch can connect directly to the customer or be utilized as a network interface on the service side to provide layer 2 services.

- Hot-swappable and field-replaceable integrated power supply and fan tray
- AC or DC power supply with minimum DC input ranging from 18V to 32 VDC and 36V to 72 VDC
- Ethernet and console port for manageability

- SD flash card slot for additional external storage
- Stratum 3 network clock
- Line-rate performance with a minimum of 62-million packets per second (MPPS) forwarding rate
- Support for dying gasp on loss of power
- Support for a variety of small form factor pluggable transceiver (SFP and SFP+) with support for Device Object Model (DOM)
- Timing services for a converged access network to support mobile solutions, including Radio Access Network (RAN) applications
- Support for Synchronous Ethernet (SyncE) services
- Supports Hierarchical Quality of Service (H-QoS) to provide granular traffic-shaping policies
- Supports Resilient Ethernet Protocol REP/G.8032 for rapid layer-two convergence

Category 1.4: WIRELESS.

Provides connectivity to wireless devices within a limited geographic area. System capabilities should include:

- Redundancy and automatic failover
- IPv6 compatibility
- NTP Support

1.4.1 Access Points — A wireless Access Point (AP) is a device that allows wireless devices to connect to a wired network using Wi-Fi, or related standards. Capabilities should include:

- 802.11a/b/g/n
- 802.11n
- 802.11ac
- Capable of controller discovery method via DHCP (onsite controller or offsite through Cloud Architecture)
- UL2043 plenum rated for safe mounting in a variety of indoor environments
- Support AES-CCMP (128-bit)
- Provides real-time wireless intrusion monitoring and detection

1.4.2 Outdoor Wireless Access Points — Outdoor APs are rugged, with a metal cover and a DIN rail or other type of mount. During operations they can tolerate a wide temperature range, high humidity and exposure to water, dust, and oil. Capabilities should include:

- Flexible Deployment Options
- Provides real-time wireless intrusion monitoring and detection
- Capable of controller discovery method via DHCP (onsite controller or offsite through Cloud Architecture)

1.4.3 Wireless LAN Controllers — An onsite or offsite solution utilized to manage Light-weight access points in large quantities by the network administrator or network operations center. The WLAN controller automatically handles the configuration of wireless access-points. Capabilities should include:

- Ability to monitor and mitigate RF interference/self-heal
- Support seamless roaming from AP to AP without requiring re-authentication
- Support configurable access control lists to filter traffic and denying wireless peer to peer traffic
- System encrypts all management layer traffic and passes it through a secure tunnel

- Policy management of users and devices provides ability to de-authorize or deny devices without denying the credentials of the user, nor disrupting other AP traffic
- Support configurable access control lists to filter traffic and denying wireless peer to peer traffic

1.4.4 **Wireless LAN Network Services and Management** — Enables network administrators to quickly plan, configure and deploy a wireless network, as well as provide additional WLAN services. Some examples include wireless security, asset tracking, and location services. Capabilities should include:

- Provide for redundancy and automatic failover
- Historical trend and real time performance reporting is supported
- Management access to wireless network components is secured
- SNMPv3 enabled
- RFC 1213 compliant
- Automatically discover wireless network components
- Capability to alert for outages and utilization threshold exceptions
- Capability to support Apple's Bonjour Protocol / mDNS
- QoS / Application identification capability

1.4.5 **Cloud-based services for Access Points** — Cloud-based management of campus-wide WiFi deployments and distributed multi-site networks. Capabilities include:

- Zero-touch access point provisioning
- Network-wide visibility and control
- RF optimization,
- Firmware updates

1.4.6 **Mobile Device Management (MDM)** — MDM technology utilized to allow employees to bring personally owned mobile devices (laptops, tablets, and smart phones) to their workplace, and use those devices to access privileged government information and applications in a secure manner. Capabilities should include:

- Ability to apply corporate policy to new devices accessing the network resources, whether wired or wireless
- Provide user and devices authentication to the network
- Provide secure remote access capability
- Support 802.1x
- Network optimization for performance, scalability, and user experience

Category 1.5: FACILITY MANAGEMENT, MONITORING, AND CONTROL.

Technology utilized in the management, monitoring and control of facilities. Technologies include:

a. Access control systems
b. Detection/Identification systems, such as surveillance systems, closed circuit television cameras, or IP camera networks and the associated monitoring systems.
c. Response systems such as alert systems, desktop monitoring systems, radios, and digital signage.
d. Building and energy controls

II. Value Added Services

For each Award Category above, the following valued services should also be available for procurement at the time of product purchase or anytime afterwards. This provided list of value added services is not intended to be exhaustive, and may be updated pursuant to the terms of the resulting Master Agreement

2.1 Maintenance Services — Capability to provide technical support, software maintenance, flexible hardware coverage, and smart, proactive device diagnostics for hardware.

2.2 Professional Services

a. Deployment Services
   i. Survey/ Design Services — Includes, but not limited to, discovery, design, architecture review/validation, and readiness assessment.
   ii. Implementation Services — Includes, but not limited to, basic installation and configuration or end-to-end integration and deployment.
   iii. Optimization — Includes, but not limited to, assessing operational environment readiness, identify ways to increase efficiencies throughout the network, and optimize Customer's infrastructure, applications and service management.
b. Remote Management Services — Includes, but not limited to, continuous monitoring, incident management, problem management, change management, and utilization and performance reporting that may be on a subscription basis.
c. Consulting/Advisory Services — Includes, but not limited to, assessing the availability, reliability, security and performance of Customer's existing solutions.
d. Data Communications Architectural Design Services — Developing architectural strategies and roadmaps for transforming Customer's existing network architecture and operations management.
e. Statement of Work (SOW) Services — Customer-specific tasks to be accomplished and/or services to be delivered based on Customer's business and technical requirements.
f. Testing Services – Includes, but not limited to, testing the availability, reliability, security and performance of Customer's existing solutions

2.3 Fulfillment Partner's Services — Provided by Contractor's Fulfillment Partners.

a. Subject to Contractor's approval and the certifications held by its Fulfillment Partner, many Fulfillment Partners can also offer and provide some or all of the Services as listed above at competitive pricing, along with local presence and support. Contractor, as the prime, has sole discretion to determine what Services as listed above may be provided by the Fulfillment Partners. As the primary Contractor (OEM), Contractor is ultimately responsible for the service and performance of its Fulfillment Partners. Customers may have the option to purchase the Services to be directly delivered by Contractor (OEM) or its certified Fulfillment Partners.

2.4 Training — Learning offerings for IT professionals on networking technologies, including but not limited to designing, implementing, operating, configuring, and troubleshooting network systems pertaining to items provided under the master agreement.

Attachment C - Pricing Discounts & Value Added Services

Contractor *Cisco Systems, Inc.*

Section 1: Pricing Notes

1. % discounts are based on minimum discounts off Contractor's commercially published pricelists versus fixed pricing. Nonetheless, Orders will be fixed-price or fixed-rate and not cost reimbursable contracts. Contractor has the ability to update and refresh its respective price catalog, as long as the agreed-upon discounts are fixed.

2. Minimum guaranteed contract discounts do not preclude Contractor and/or its Fulfillment Partners from providing deeper or additional, incremental discounts at their sole discretion.

3. Purchasing Entities shall benefit from any promotional pricing offered by Contractor to similar customers. Promotional pricing shall not be cause for a permanent price change.

4. Contractor's price catalog shall only include offers that are in contract scope and within the awarded categories. Quotes to eligible Purchasing Entities shall be based on the then-current approved price catalog as posted on the NASPO ValuePoint's website as well as the Contractor's mandatory contract webpage.

Section 2: Minimum Discount % off List

Category 1.1 Unified Communications (UC)	
Hardware and Software (on premise)	35.00%
Cloud Services	10.00%
Service Packages (i.e., Maintenance, etc.)	10.00%
Category 1.2 Networking	
Hardware and Software (on premise)	35.00%
Cloud Services	10.00%
Service Packages (i.e., Maintenance, etc.)	10.00%
Category 1.3 Routers, Switches, Security, and Networking Storage	
Hardware and Software (on premise)	35.00%
Cloud Services	10.00%
Service Packages (i.e., Maintenance, etc.)	10.00%
Category 1.4 Wireless	
Hardware and Software (on premise)	35.00%
Cloud Services	10.00%
Service Packages (i.e., Maintenance, etc.)	10.00%
Category 1.5 Facility Management, Monitoring, and Control	
Hardware and Software (on premise)	35.00%
Cloud Services	10.00%
Service Packages (i.e., Maintenance, etc.)	10.00%

Section 3: Value Added Services

		Hourly Rates					
		Weekday		Weekend		State Holiday	
Title	Job Description	Onsite	Remote	Onsite	Remote	Onsite	Remote
Maintenance Services	Non-Packaged (i.e. not SMART Total Care); Not-To-Exceed (NTE) Rates	$600.00	$525.00	$600.00	$525.00	$600.00	$525.00
Professional Services	i.e. Cisco Advanced Services, IoT, NTE	$743.17	$661.17	$743.17	$661.17	$743.17	$661.17
Deployment Services	i.e. Cisco Implementation Services, IoT, NTE	$743.17	$661.17	$743.17	$661.17	$743.17	$661.17
Consulting Advisory Services	i.e. Cisco Advisory Services, IoT, NTE	$743.17	$661.17	$743.17	$661.17	$743.17	$661.17
Architectural Design Services	i.e. Cisco Advanced Services, IoT, NTE	$743.17	$661.17	$743.17	$661.17	$743.17	$661.17
Statement of Work Services	i.e. Cisco Advanced Services, IoT, NTE	$743.17	$661.17	$743.17	$661.17	$743.17	$661.17
Partner Services	Basic Install & Config Only (i.e. rack & stack, cabling, etc.), IoT, NTE	$600.00	$525.00	$600.00	$525.00	$600.00	$525.00
Training Deployment Services	i.e. Software Adoption, Cisco Training Services, NTE	$600.00	$525.00	$600.00	$525.00	$600.00	$525.00

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