

APPENDIX D: DHCP SYSTEM REQUIREMENTS FROM VA'S RFP

In March 1987, the Veterans Administration issued a request for proposals for additional computer hardware to support DHCP. The terms of the proposed procurement contract specified a mandatory quantity of equipment to be purchased in the first (Stage 1) of five procurement stages; Stages I through V specified additional quantities if the contract% options for additional quantities were exercised.

Appendix II of the RFP sets forth the delivery schedule for the mandatory and optional quantities, conditional on the availability of funds. Delivery of the mandatory, Stage I, quantities to the 31 largest VAMCs and to the ISCs would be completed 60 to 180 days after completion of acceptance testing. Delivery of optional quantities in Stages 11 through V of the procurement to VAMCs and ISCs would be completed between 240 and 720 days after acceptance testing. Delivery of hardware procured in Stages I through 111, sufficient to run Core Plus 8 in the 169 VAMCs using DHCP, would be complete by 450 days after acceptance testing.

Appendix I of the RFP, reproduced here as appendix table D-1, sets forth the generic system requirements for the proposed procurement, by stages and cumulatively. The requirements include computer facility square footage (SQUARE FOOT), throughput units (TUs -- a TU is a computing capacity equivalency unit defined by VA as the throughput of one DEC PDP11/44), disk storage capacity (DISK), number of active partitions (ACT PAR -- a partition is memory allocated to a given MUMPS job process), and number of peripheral device attachment points (ATTM **PTS**).

Based on VA data in table D-1, OTA calculates that procurements sufficient to run Core Plus 8 in the 169 VAMCs using DHCP (i.e. procurements through Stage 111) would correspond to between 60 and 65 per cent of the computer capacity and facilities of the potential (five-stage) procurement if all quantity options were exercised.

1. Veterans Administration Department of Medicine and Surgery Decentralized Hospital Computer Program. Request for Proposal for: Replacement Computer Configurations, RFP #101-5-87, Mar. 9, 1987.

APPENDIX TABLE D-1: DHCP System Requirements

	STAGE I				STAGE II				STAGE III				STAGE IV				STAGE V				PAGE 1			
	ACT PAR	ACT PAR	TU DISK	ACT ATM PTS	SQUARE FOOT	TU DISK	ACT PAR	ACT ATM PTS																
1 WEST LOS ANGELES, CA	650	13	4250	416	640	750	14	4500	448	800	850	17	5250	544	940	1150	22	6500	704	1224	1450	29	7500	1464
2 MIAMI, FL	650	12	4000	384	512	650	13	4250	416	640	850	16	5000	512	748	950	19	5750	608	936	1250	25	6500	1152
3 LONG BEACH, CA	550	11	3750	352	416	650	13	4250	416	800	850	16	5000	512	940	950	19	5750	608	1200	1350	26	6700	1464
4 HOUSTON, TX	550	11	3750	352	448	650	12	4000	384	560	750	15	4750	480	672	950	18	5500	576	864	1250	24	6300	1032
LITTLE ROCK, (COMS)	550	11	3750	352	544	650	13	4250	416	680	850	16	5000	512	816	950	19	5750	608	1032	1250		6500	1248
6 DALLAS, TX	550	10	3500	320	512	550	11	3750	352	640	750	14	4500	448	768	850	17	5250	544	936	1150	22	5900	1128
7 BIRMINGHAM, AL	550	10	3500	320	576	650	12	4000	384	720	750	15	4750	480	864	950	18	5500	576	1056	1250	24	6300	1272
MIAMI, FL	550	10	3500	320	480	550	11	3750	352	600	750	14	4500	448	720	850	17	5250	544	936	1150	22	5900	1128
9 SAN JUAN, PR	550	10	3500	320	512	550	11	3750	352	640	750	14	4500	448	768	850	17	5250	544	1032	1150	22	5900	1272
10 NEW YORK, NY	550	10	3500	320	480	550	11	3750	352	600	750	14	4500	448	720	850	17	5250	544	864	1050	21	5700	1056
11 BROOKLYN, NY (COMS)	550	10	3500	320	480	550	11	3750	352	600	750	14	4500	448	720	850	17	5250	544	912	1150	22	5900	1104
12 CLEVELAND, OH (COMS)	550	10	3500	320	512	550	11	3750	352	640	750	14	4500	448	768	850	17	5250	544	936	1050	21	5700	1104
13 BOSTON, MA (COMS)	450	9	3250	288	480	550	11	3750	352	600	750	14	4500	448	720	850	17	5250	544	888	1150	22	5900	1056
14 TAMPA, FL	450	9	3250	288	512	550	11	3750	352	640	750	14	4500	448	768	850	17	5250	544	960	1050	21	5700	1176
15 ST LOUIS, MO (COMS)	450	9	3250	288	480	550	10	3500	320	600	650	12	4000	384	720	750	15	4750	480	864	1050	20	5500	1056
16 PALO ALTO, CA (COMS)	450	9	3250	288	512	550	10	3500	320	640	650	12	4000	384	768	750	15	4750	480	936	1050	20	5500	1104
17 PORTLAND, OR (COMS)	450	8	3000	256	512	550	10	3500	320	640	650	12	4000	384	768	750	15	4750	480	1056	1050	20	5500	1320
18 RAY PINES, FL	450	8	3000	256	512	550	10	3500	320	640	650	12	4000	384	768	750	15	4750	480	960	950	19	5300	1152
19 NEW ORLEANS, LA.	450	8	3000	256	384	450	9	3250	288	480	550	11	3750	352	576	750	14	4500	448	744	950	18	5100	912
20 BUFFALO, NY	450	8	3000	256	416	450	9	3250	288	520	550	11	3750	352	624	750	14	4500	448	744	950	18	5100	912
21 PITTSBURGH, PA (COMS)	450	8	3000	256	352	450	8	3000	256	440	550	10	3500	320	320	650	12	4000	384	648	850	16	4700	792
22 SAN ANTONIO, TX	450	8	3000	256	384	450	10	3500	320	480	550	12	4000	384	576	750	15	4750	480	768	950	19	5300	936
23 RICHMOND, VA	450	8	3000	256	416	450	9	3250	288	520	550	11	3750	352	624	750	14	4500	448	792	950	18	5100	960
24 CHICAGO (WESTSIDE), IL	450	8	3000	256	352	450	8	3000	256	440	550	10	3500	320	320	650	12	4000	384	648	850	16	4700	792
25 EAST ORANGE, NJ	450	8	3000	256	384	450	9	3250	288	480	550	11	3750	352	528	750	14	4500	448	672	850	17	4900	816
26 WASHINGTON, DC	450	8	3000	256	384	450	10	3500	320	480	550	11	3750	352	576	750	14	4500	448	744	950	18	5100	912
27 SAN DIEGO, CA	450	8	3000	256	384	450	9	3250	288	480	550	11	3750	352	576	750	15	4750	480	744	950	19	5300	912
28 BROCKTON, MA (COMS)	450	8	3000	256	512	450	8	3000	256	640	550	10	3500	320	768	750	14	4500	448	720	850	17	4900	864
						450	8	3000	256	640	550	10	3500	320	768	650	12	4000	384	888	850	16	4700	1056

Source: Veterans Administration RFP # 101-5-87, Appendix = (pp. 102-106) March 9, 1987

APPENDIX ~~TABLE~~ A-1, cont d.

STATION	STAGE I					STAGE II					STAGE III					STAGE IV					STAGE V					PAGE 1
	SQ	ATM	ACT	DISK	TU	SQ	ATM	ACT	DISK	TU	SQ	ATM	ACT	DISK	TU	SQ	ATM	ACT	DISK	TU	SQ	ATM	ACT	DISK	TU	
57 DAYTON, OH	350	320	192	2500	6	350	320	192	2500	6	350	320	192	2500	6	350	320	192	2500	6	350	320	192	2500	6	
58 WEST BAYEN, CT	350	320	192	2500	6	350	320	192	2500	6	350	320	192	2500	6	350	320	192	2500	6	350	320	192	2500	6	
59 KANSAS CITY, MO	350	288	192	2500	6	350	288	192	2500	6	350	288	192	2500	6	350	288	192	2500	6	350	288	192	2500	6	
60 ALBUQUERQUE, NM	350	320	192	2500	6	350	320	192	2500	6	350	320	192	2500	6	350	320	192	2500	6	350	320	192	2500	6	
61 SALT LAKE CITY, UT	350	320	192	2500	6	350	320	192	2500	6	350	320	192	2500	6	350	320	192	2500	6	350	320	192	2500	6	
62 CINCINNATI, OH	350	288	192	2500	6	350	288	192	2500	6	350	288	192	2500	6	350	288	192	2500	6	350	288	192	2500	6	
63 BILLOXI, MS (CONS)	350	320	192	2500	6	350	320	192	2500	6	350	320	192	2500	6	350	320	192	2500	6	350	320	192	2500	6	
64 COLUMBIA, SC	350	320	192	2500	6	350	320	192	2500	6	350	320	192	2500	6	350	320	192	2500	6	350	320	192	2500	6	
65 NORTH CHICAGO, IL	250	384	160	2250	5	250	384	160	2250	5	250	384	160	2250	5	250	384	160	2250	5	250	384	160	2250	5	
66 WILKES BARRS, PA	250	288	160	2250	5	250	288	160	2250	5	250	288	160	2250	5	250	288	160	2250	5	250	288	160	2250	5	
67 HANPTON, VA.	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	
68 MOUNTAIN HOME, TN	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	
69 TUCSON, AZ	250	288	160	2250	5	250	288	160	2250	5	250	288	160	2250	5	250	288	160	2250	5	250	288	160	2250	5	
70 BALTIMORE, MD	250	256	160	2250	5	250	256	160	2250	5	250	256	160	2250	5	250	256	160	2250	5	250	256	160	2250	5	
71 DANVILLE, IL	250	288	160	2250	5	250	288	160	2250	5	250	288	160	2250	5	250	288	160	2250	5	250	288	160	2250	5	
72 PROVIDENCE, RI	250	256	160	2250	5	250	256	160	2250	5	250	256	160	2250	5	250	256	160	2250	5	250	256	160	2250	5	
73 SALISBURY, NC	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	
74 LOUISVILLE, KY.	250	256	160	2250	5	250	256	160	2250	5	250	256	160	2250	5	250	256	160	2250	5	250	256	160	2250	5	
75 IOWA CITY, IA	250	256	160	2250	5	250	256	160	2250	5	250	256	160	2250	5	250	256	160	2250	5	250	256	160	2250	5	
76 SENECAVILLE, LA	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	
77 STRACUSE, NY	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	
78 TOPEKA, KS	250	360	160	2250	5	250	360	160	2250	5	250	360	160	2250	5	250	360	160	2250	5	250	360	160	2250	5	
79 MACD, TN	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	
80 ASHEVILLE, NC	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	
81 LYONS, NJ	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	
82 BEDFORD, MA	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	
83 OHAMA, NE	250	280	160	2250	5	250	280	160	2250	5	250	280	160	2250	5	250	280	160	2250	5	250	280	160	2250	5	
84 BATTLE CREEK, MI	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	250	320	160	2250	5	

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85						250	5	2250	160	320		350	6	2500	192	384		450	8	3000	256	456		450	9	3300	288	576	
86						250	5	2250	160	280		350	6	2500	192	336		450	8	3000	256	432		450	9	3300	288	328	
87						250	5	2250	160	320		350	6	2500	192	384		450	8	3000	256	456		450	9	3300	288	352	
88						250	5	2250	160	360		350	6	2500	192	432		450	8	3000	256	528		450	9	3300	288	624	
89						250	5	2250	160	280		350	6	2500	192	336		450	8	3000	256	432		450	9	3300	288	328	
90						250	5	2250	160	360		350	6	2500	192	432		450	8	3000	256	528		450	9	3300	288	648	
91						250	5	2250	160	360		350	6	2500	192	432		450	8	3000	256	552		450	9	3300	288	672	
92						250	5	2250	160	240		350	6	2500	192	288		450	8	3000	256	408		450	9	3300	288	408	
93						250	5	2250	160	280		350	6	2500	192	336		450	8	3000	256	432		450	9	3300	288	328	
94						250	5	2250	160	240		350	6	2500	192	288		450	8	3000	256	408		450	9	3300	288	408	
95						250	5	2250	160	280		350	6	2500	192	336		450	8	3000	256	432		450	9	3300	288	328	
96						250	5	2250	160	320		350	6	2500	192	384		450	8	3000	256	504		450	9	3300	288	600	
97						250	5	2250	160	320		350	6	2500	192	384		450	8	3000	256	456		450	9	3300	288	352	
98																								250	5	2500	160	192	
99																								250	5	2500	160	192	
100																								250	5	2500	160	192	
101																								250	5	2500	160	192	
102																								250	5	2500	160	192	
103																								250	5	2500	160	192	
104																								250	5	2500	160	192	
TOTAL	30050	554	213500	17728	28992	38850	743	182750	23776	13160	48550	921	327250	29472	51792	59550	1126	378500	36032	65472	76100	1477	431400	47264	10736				
COUNT	75	75	75	75	75	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
MEAN	401	7	2847	236	387	401	8	2915	245	445	501	9	3374	304	534	614	12	3902	371	675	732	14	4340	454	776				