

## 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.

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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 I: SYSTEM REQUIREMENTS (cumulative values)

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	STAGE I				STAGE II				STAGE III				STAGE IV				STAGE V				PAGE				
	SQ FOOT	TU	DISE	ACT PAB	ATM PTS	SQ FOOT	TU	DISE	ACT PAB	ATM PTS	SQ FOOT	TU	DISE	ACT PAB	ATM PTS	SQ FOOT	TU	DISE	ACT PAB	ATM PTS					
29 DECATUR, GA	450	0	3000	256	416	450	9	3250	288	320	550	11	3750	352	624	750	14	4500	448	792	850	17	4900	544	940
30 MONTGOMERY, MT	450	0	3000	256	384	450	9	3250	288	480	550	11	3750	352	576	750	14	4500	448	768	950	18	5100	576	916
31 GAINESVILLE, FL	450	0	3000	256	512	450	9	3250	288	640	550	11	3750	352	768	750	14	4500	448	1008	950	18	5100	576	1248
32 PHILADELPHIA, PA	450	0	3000	256	352	450	9	3250	288	440	550	11	3750	352	528	650	13	4250	416	648	950	18	5100	576	760
33 WOOD, VT	450	0	3000	256	384	450	0	3000	256	480	550	11	3750	352	576	650	13	4250	416	744	950	18	5100	576	912
34 MEMPHIS, TN	450	0	3000	256	448	450	0	3000	256	560	550	11	3750	352	672	650	13	4250	416	864	850	17	4900	544	1032
35 ALLEN PARK, MI	450	0	3000	256	552	450	0	3000	256	440	550	11	3750	352	528	650	13	4250	416	672	850	17	4900	544	816
36 LEXINGTON, KY (CONS)	350	7	2750	224	384	450	0	3000	256	480	550	10	3500	320	576	650	12	4000	384	768	850	16	4700	512	936
37 BROOK, NY	350	7	2750	224	384	450	0	3000	256	480	550	10	3500	320	576	650	12	4000	384	696	850	16	4700	512	840
38 OKLAHOMA CITY, OK	350	7	2750	224	320	450	0	3000	256	400	550	10	3500	320	480	650	12	4000	384	600	850	16	4700	512	720
39 INDIANAPOLIS, IN (CONS)	350	7	2750	224	384	450	0	3000	256	480	550	10	3500	320	576	650	12	4000	384	744	750	15	4500	480	912
40 SEATTLE, WA	350	7	2750	224	416	450	0	3000	256	520	550	10	3500	320	624	650	12	4000	384	840	750	15	4500	480	1056
41 AUGUSTA, GA (CONS)	350	7	2750	224	384	450	0	3000	256	480	550	10	3500	320	576	650	12	4000	384	720	750	15	4500	480	888
42 SEPULVEDA, CA	350	7	2750	224	352	450	0	3000	256	440	550	10	3500	320	528	650	12	4000	384	672	750	15	4500	480	816
43 RAINVILLE, TN	350	7	2750	224	320	450	0	3000	256	400	550	10	3500	320	480	650	12	4000	384	600	750	15	4500	480	720
44 DUFFER, CO	350	7	2750	224	384	450	0	3000	256	480	550	10	3500	320	576	650	12	4000	384	768	750	15	4500	480	936
45 SAN FRANCISCO, CA	350	6	2500	192	352	350	7	2750	224	440	450	9	3250	288	528	550	10	3500	320	672	750	14	4300	448	816
46 ABBOT	350	6	2500	192	352	350		2750	224	440	450	9	3250	288	528	550	10	3500	320	648	750	14	4300	448	792
47 PHOENIX, AZ	350	6	2500	192	320	350	7	2750	224	400	450	9	3250	288	480	550	10	3500	320	576	750	14	4300	448	720
48 TEMPLE, TX	350	6	2500	192	320	350	7	2750	224	400	450	9	3250	288	480	550	10	3500	320	624	750	14	4300	448	744
49 LOMA LINDA, CA	350	6	2500	192	288	350	7	2750	224	360	450	9	3250	288	432	550	10	3500	320	576	750	14	4300	448	720
50 CHICAGO (LAKESIDE), IL	350	6	2500	192	288	350	7	2750	224	360	450	9	3250	288	432	550	10	3500	320	576	750	14	4300	448	720
51 DUBUQUE, MO	350	6	2500	192	288	350	7	2750	224	360	450	9	3250	288	432	550	10	3500	320	552	750	14	4300	448	672
52 JACKSON, MS	350	6	2500	192	320	350	7	2750	224	400	450	9	3250	288	480	550	10	3500	320	600	750	14	4300	448	720
53 SALT, VA	350	6	2500	192	352	350	7	2750	224	440	450	9	3250	288	528	550	10	3500	320	648	650	13	4100	416	792
54 ALBANY, NY	350	6	2500	192	320	350	7	2750	224	400	450	9	3250	288	480	550	10	3500	320	600	650	13	4100	416	720
55 MARTINEZ, CA	350	6	2500	192	320	350	7	2750	224	400	450	9	3250	288	480	550	10	3500	320	600	650	13	4100	416	720
56 BIRMINGHAM, AL.	350	6	2500	192	256	350	7	2750	224	320	450	9	3250	288	384	550	10	3500	320	504	650	13	4100	416	624

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APPENDIX I SYSTEM REQUIREMENTS (Cumulative Values)																									
	STAGE I				SR	STAGE II				STAGE III				STAGE IV				STAGE V				PAGE			
	FOOT	TU	DISK	ACT PAR		ATTN PTS	SQUARE	FOOT	ACT PAR	ATTN PTS	SQUARE	FOOT	TU	DISK	ACT PAR	ATTN PTS	SQUARE	FOOT	TU	DISK	ACT PAR		ATTN PTS		
57 DAYTON, OH	350	6	2500	192	320	350	7	2750	224	400	450	9	3250	288	480	550	10	3500	320	600	650	13	4100	416	720
58 WEST HAVEN, CT	350	6	2500	192	320	350	7	2750	224	400	450	9	3250	288	480	550	10	3500	320	600	650	13	4100	416	696
59 KANSAS CITY, MO	350	6	2500	192	288	350	7	2750	224	360	450	9	3250	288	432	550	10	3500	320	552	650	13	4100	416	672
60 ALBUQUERQUE, NM	350	6	2500	192	320	350	7	2750	224	400	450	9	3250	288	480	550	10	3500	320	624	650	13	4100	416	708
61 SALT LAKE CITY, UT	350	6	2500	192	320	350	7	2750	224	400	450	9	3250	288	480	550	10	3500	320	624	650	13	4100	416	714
62 CINCINNATI, OH	350	6	2500	192	288	350	7	2750	224	360	450	9	3250	288	432	550	10	3500	320	552	650	13	4100	416	672
63 BILLOXI, MS (CONS)	350	6	2500	192	320	350	7	2750	224	400	450	9	3250	288	480	550	10	3500	320	648	650	13	4100	416	792
64 COLUMBIA, SC	350	<	2500	192		350	7	2750	224	400	450	9	3250	288	480	550	10	3500	320	576	650	13	4100	416	696
65 NORTH CHICAGO, IL	250	5	2250	160	384	350	6	2500	192	480	350	7	2750	224	576	450	9	3250		696	650	12	3900	384	816
66 WILKES BARRE, PA	250	5	2250	160	288	350	6	2500	192	360	350	7	2750	224	432	450	9	3250		576	650	12	3900	384	696
67 HAMPTON, VA.	250	5	2250	160	320	350	6	2500	192	400	350	7	2750	224	480	450	9	3250	---	600	650	12	3900	384	744
68 MOUNTAIN HOME, TN	250	5	2250	160	320	350	6	2500	192	400	350	7	2750	224	480	450	9	3250	288	648	650	12	3900	384	792
69 TUCSON, AZ	250	5	2250	160	288	350	6	2500	192	360	350	7	2750	224	432	450	9	3250	288	528	650	12	3900	384	648
70 BALTIMORE, MD	250	5	2250	160	256	350	6	2500	192	320	350	7	2750	224	384	450	9	3250	288	456	550	11	3760	352	552
71 BARTVILLE, IL	250	5	2250	160	288	350		2500	192	360	350	7	2750	224	432	450	9	3250	288	552	550	11	3760	352	672
72 PROVIDENCE, RI	250	5	2250	160	256	350	6	2500	192	320	350	7	2750	224	384	450	9	3250	288	480	550	11	3760	352	576
73 SALISBURY, NC	250	5	2250	160	320	350	6	2500	192	400	350	7	2750	224	480	450	9	3250	288	576	550	11	3760	352	696
74 LOUISVILLE, KY.	250	5	2250	160	256	350	6	2500	192	320	350	7	2750	224	384	450	9	3250	288	504	550	11	3760	352	624
75 IOWA CITY, IA	250	5	2250	160	256	350	6	2500	192	320	350	7	2750	224	384	450	9	3250	288	480	550	11	3760	352	576
76 SHERIDPORT, LA						250	5	2150	160	320	350	6	2500	192	384	450	8	3000	256	456	550	10	3500	320	552
77 STRACUSE, NY						250	5	2150	160	320	350	6	2500	192	384	450	8	3000	256	504	550	10	3500	320	600
78 TOPEKA, KS						250		2150	160	360	350	6	2500	192	432	450	8	3000	256	504	550	10	3500	320	600
79 WACO, TX						250		2150	160	360	350	6	2500	192	432	450	8	3000	256	504	550	10	3500	320	600
80 ASHEVILLE, NC						250	*	2150	160	320	350	6	2500	192	384	450	8	3000	256	456	550	10	3500	320	552
81 LYONS, NJ						250	5	2150	160	360	350	6	2500	192	432	450	8	3000	256	552	550	10	3500	320	672
82 BEDFORD, MA						250	5	2150	160	320	350	6	2500	192	384	450	8	3000	256	480	550	10	3500	320	576
83 OMAHA, NE						250	5	2150	160	280	350	6	2500	192	336	450	8	3000	256	456	550	10	3500	320	528
84 BATTLE CREEK, MI						250	5	2150	160	320	350	6	2500	192	384	450	8	3000	256	504	450	9	3300	288	600

APPENDIX TABLE D-1, cent'd.

85						250	5	2250	160	320		350	6	2500	192	384		450	8	3000	256	512		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	528
87						250	5	2250	160	320		350	6	2500	192	384		450	8	3000	256	456		450	9	3300	288	552
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	528
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	480
93						250	5	2250	160	280		350	6	2500	192	336		450	8	3000	256	432		450	9	3300	288	528
94						250	5	2250	160	240		350	6	2500	192	288		450	8	3000	256	408		450	9	3300	288	480
95						250	5	2250	160	280		350	6	2500	192	336		450	8	3000	256	432		450	9	3300	288	528
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	552
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	34032	65472	76100	1477	451400	47264	80736			
COUNT	75	75	75	75	75	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	104	104	104	104	104			
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			