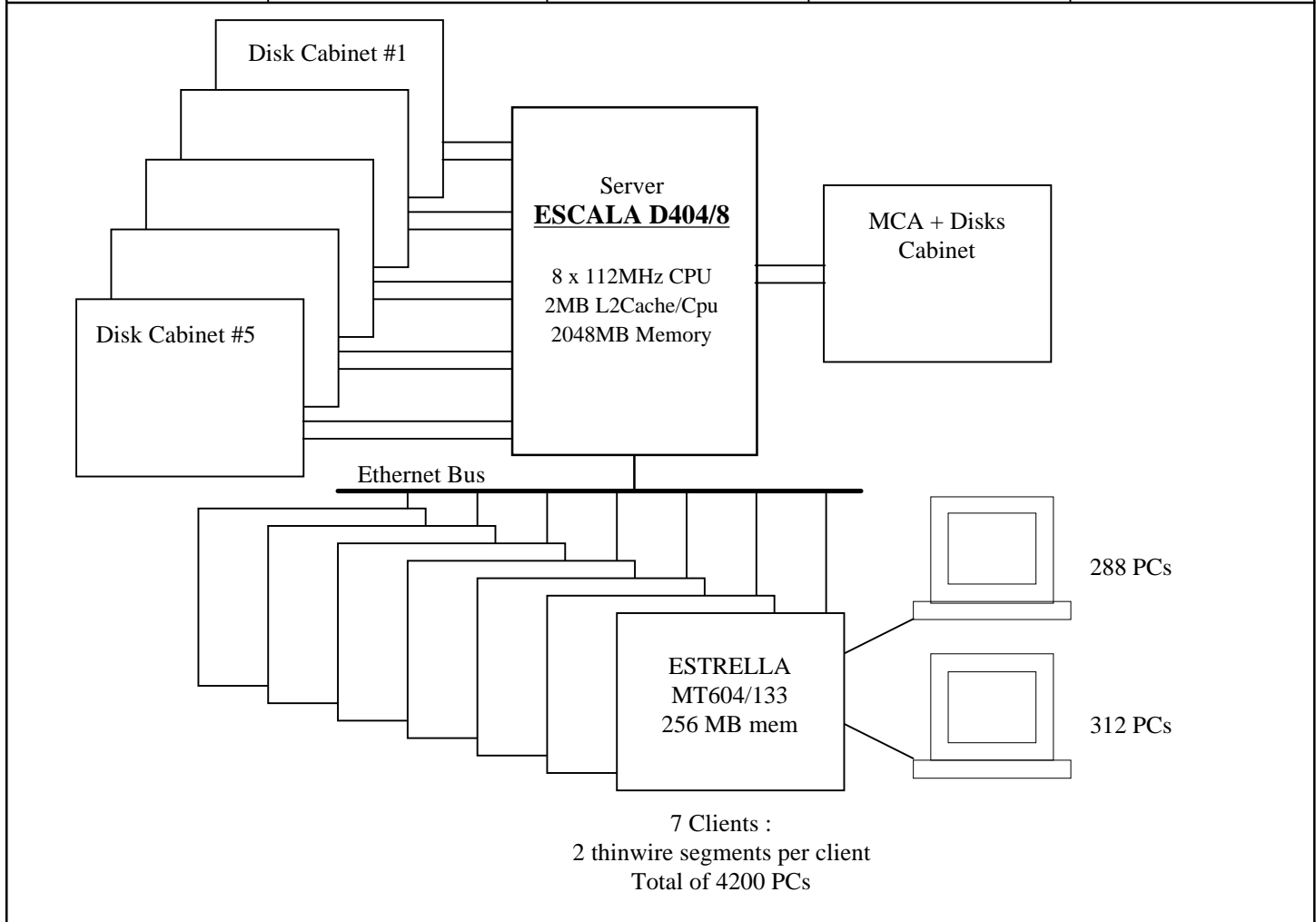


BULL S.A. Oracle	ESCALA D404/8			TPC - C Rev.3.0
				Report Date June 3, 1996
Total System	TPC - C Throughput		Price / Performance	Availability date
\$1,134,364	4,925.02 tpmC		\$231 per tpmC	November 30,1996
Processors	Database Manager	Operating System	Other Software	Number of users
8 Power PC 604 @ 112MHz	Oracle7 version 7.3	System AIX4.1.4	TCP-IP Tuxedo 4.2.2 V2	4200



System Components	Server		Clients	
	Qty	Type	Qty	Type
Processors	8	Power PC 604 @ 112 MHz	7	Power PC 604 @ 133 MHz
Cache	8	2 MB L2 per Cpu	7	512 KB L2 per Cpu
Memory (MB)	2048 MB		7	256 MB
Disk Controllers	14	SCSI II F/W	7	integrated SCSI adapter
Disk Drives	111	(101*4GB + 10*2GB)	7	1GB SCSI II
Total Storage (GB)	424 GB		7	2GB SCSI II
CDROM	1	CDROM		
Terminals	1	BQ306 console	7	graphic display

Bull S.A.
Oracle

ESCALA
D404 / 8

TPC - C Rev3.0

Report Date: June 3, 1996

Description	MI	Unit Price	QTY	Extended Price (\$)	Unit	Maint monthly (\$)	Total
ESCALA D404 8WAY PACKAGED SYSTEM	CPXG144U0000	\$188,000	1	\$188,000	\$490	\$23,520	\$211,520
4*2PWPC604,1GB,4 SCSI2 F/W,DK12*4.2GB,CDrom,Eth,ExpCab,AIX unlimit							
SYSTEM CONSOLE BQ 306 (White display, AZERTY kbd, conn. cable)	CSUG002-1100	\$620	1	\$620	\$1	\$48	\$668
3.5M CABLE LOCAL RS232 (D25F/D25M)	CBLG104-1600	\$100	1	\$100	\$0	\$0	\$100
512MB Memory module	CMMG023-0000	\$47,200	2	\$94,400	\$0	\$0	\$94,400
Disk Cabinet with 14 open bays for disks or medias	CABG015-0000	\$7,800	3	\$23,400	\$32	\$4,608	\$28,008
100.8 GB Disk Expansion Cabinet	CABG018U0000	\$67,680	2	\$135,360	\$394	\$37,824	\$173,184
2.1GB HI SPEED SCSI-2 DISK DRIVE (CRU)	MSUG065-0C00	\$2,200	10	\$22,000	\$12	\$5,760	\$27,760
4.2GB HI SPEED SCSI-2 DISK DRIVE (CRU)	MSUG066-0C00	\$3,300	41	\$135,300	\$19	\$37,392	\$172,692
3"1/2 to 5"1/4 form factor adaptor	CKTG047-0000	\$88	10	\$880	\$0	\$0	\$880
Supply InterFace Board (SIF10)	PSSG003-0000	\$440	3	\$1,320	\$0	\$0	\$1,320
SCSI-2 F/W DE Ext Disk Adapter	MSCG012-0000	\$1,370	10	\$13,700	\$0	\$0	\$13,700
5M ETHERNET TO TRANSCEIVER CABLE	VCW3630	\$150	1	\$150	\$0	\$0	\$150
2M SCSI CABLE (SCSI2-DE basic or exp. cab.to BHS other cabinet)	CBLG102-1300	\$245	10	\$2,450	\$0	\$0	\$2,450
	total server hw			\$617,680		\$109,152	\$726,832
ESTRELLA MINITOWER MT604-133 BASE (PPC604/133, Dkte, ETH)	CPXG133-0000	\$2,900	7	\$20,300	\$33	\$11,088	\$31,388
2*64MB SIMM MEMORY	CMMG044-0000	\$8,000	14	\$112,000		\$0	\$112,000
512KB L2 CACHE MEMORY BASE OPTION	CMMG046-0000	\$800	7	\$5,600	\$0	\$0	\$5,600
1GB SCSI-2 INTERNAL DISK DRIVE	MSUG057-0000	\$900	7	\$6,300	\$5	\$1,680	\$7,980
2GB SCSI-2 INTERNAL DISK DRIVE BASE OPTION	MSUG058-0S00	\$1,200	7	\$8,400	\$5	\$1,680	\$10,080
600MB INTERNAL 4X CD-ROM DRIVE	CDRG012-0000	\$300	7	\$2,100	\$1	\$336	\$2,436
PCI ETHERNET ADAPTER 10 Mbps	DCCG066-0000	\$100	14	\$1,400	\$0	\$0	\$1,400
5M ETHERNET TO TRANSCEIVER CABLE	VCW3630	\$150	21	\$3,150		\$0	\$3,150
KEYBOARD	KBUG003-0000	\$90	7	\$630		\$0	\$630
3-BUTTON MOUSE	PDUG008-0000	\$50	7	\$350		\$0	\$350
15" COLOR DISPLAY W/ CABLES	DMUG012-0000	\$580	7	\$4,060	\$2	\$672	\$4,732
	total clients hw			\$164,290		\$15,456	\$179,746
AIX(TM) V4.1 ENTRY SERVER - UNLIM. USERS (LIC + M&D CDROM)	EXSG048-TPEU	\$2,800	7	\$19,600	\$14	\$5,880	\$25,480
TUXEDO SYSTEM/T BASE CLASS I	TPDJ200-JABA	\$1,702	7	\$11,914	\$17	\$5,712	\$17,626
TUXEDO SYS/T BASE DPX/20M&D VD	TPDJ200-SJVE	\$208	7	\$1,456	\$0	\$0	\$1,456
	total clients sw			\$32,975		\$11,592	\$44,562
24 PORT 10BASE-T HUB W/AUI+BNC	DEH1487	\$310	175	\$54,250		\$0	\$54,250
24 PORT 10BASE-T HUB W/AUI+BNC(spare 10%)	DEH1487	\$310	18	\$5,580		\$0	\$5,580
	total User Conne ctivity			\$59,830		\$0	\$59,830
ORACLE RDBMS (SQL*Net bundled)							
	total Oracle			\$136,464		\$109,171	\$245,635
system total							\$1,256,605
15% Discount on Bull HW/SW				\$814,945			-\$122,241
Five Year Cost of ownership							\$1,134,364
tpmC							4,925
\$/tpmc							\$230.33

Audited by Francois Raab of Information Paradigm