

CERTIFICATION

SAP Standard Application Benchmarks

The SAP 4.64 ISU/CCS Standard Application Benchmark performed on November 20, 2002 by HP in Walldorf, Germany, was certified on December 3, 2002 with the following data:

Total Throughput per hour:	56,156 Utility Reference Customers (URCs)
Meter reading order creation/hour:	1,110,254
Meter reading order output/hour:	582,006
Upload of meter reading results/hour:	897,980
Billing of contracts/hour:	945,751
Invoicing contract accounts/hour:	354,087
Printout of contract accounts/hour:	185,061
CPU utilization:	99%
Operating System:	HP-UX 11i
RDBMS:	Oracle 9i
SAP IS-U/CCS Release:	4.64
R/3 Release:	4.6C
Total disk space:	4 TB

Configuration:

1 Central Server:

hp server rp8400, 16-processors SMP, PA-RISC 8700 750 MHz, 1.5 MB L2 cache, 64 GB main memory

Certification Number 2002066