

SUCCESSFUL CONVERSION FROM
TWO IBM SYSTEM/3 TO A HP3000

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THE PURPOSE OF THIS PRESENTATION IS TO RELATE THE DUNDEE CEMENT COMPANY EXPERIENCE IN CONVERTING FROM THE IBM SYSTEM/3 MODEL 10 AND MODEL 15 COMPUTERS TO A HP3000.

WE STARTED WITH 500 RPG PROGRAMS IN DUNDEE, MI AND 400 RPG PROGRAMS IN HOLLY HILL, SC. WITH ONLY THREE PEOPLE, WE HAD HOLLY HILL RUNNING LIVE IN 5 MONTHS AND DUNDEE RUNNING LIVE IN 10 MONTHS.

OUR MAJOR PROGRAMMING EFFORT WAS THE ON-LINE KEYPUNCH VERIFICATION USING V/3000. OUR SECOND MOST TIME CONSUMING EFFORT WAS THE JCL PREPARATION AND JCL DEBUGGING.

IN THIS PRESENTATION THE SUBJECTS TO BE COVERED ARE:

- A. IBM SYSTEM/3 VS HP3000 BENCHMARK
- B. PROGRAM CONVERSION
- C. OCL TO JCL CONVERSION
- D. DATA ENTRY PROBLEMS
- E. HP3000 ACCOUNTING STRUCTURE
- F. CONVERSION PLUS TWO YEARS

1. BENCHMARK

- A. TIMINGS - 100 HOURS/MONTH TO 35 HOURS/MONTH
- B. SOURCE LINE NUMBER IDENTIFICATION FOR PROGRAM ABORTS
- C. DEVICE INDEPENDENCE

2. PROGRAM CONVERSION

- A. TRANSPORT SOURCE TO HP3000 VIA MAGNETIC TAPE OR RJE BYSYNC
- B. DEVICE CONVERSION IN THE FILE STATEMENTS
- C. ISAM TO KSAM
- D. PACKED FIELDS TO UNPACKED ASCII
- E. DATECARDS BY APPLICATION
- F. EZRPG FOR PROGRAM CODING IN FREE FORMAT
- G. HANDLING HALT INDICATORS

3. OCL TO JCL CONVERSION

- A. CONVERSION AID PROGRAM
- B. EXPLICIT DEFINATION OF EACH FILE STATEMENT
- C. IBM S/3 SORT PROGRAM
- D. "XX" JOBS
- E. SPECIAL FORMS ALIGNMENT
- F. REMOTE HP2631 PRINTERS
- H. JCL LISTINGS IN SPOOK

4. DATA ENTRY OR KEYPUNCH FUNCTION

- A. V/3000 AND THE ENTRY PROGRAM
- B. "SKIPPER" AND COBOL VERIFICATION
- C. MULTIPLE LINES (LOGICAL RECORDS) PER SCREEN
- D. SPEED OF KEYPUNCH VS HP2645

5. HP3000 ACCOUNTING STRUCTURE

- A. GROUPS BY APPLICATION, EX. PAYROLL, SALES STATISTICS
- B. DATAENTRY GROUP
- C. JOB GROUP FOR JCL
- D. SOURCE GROUP FOR PROGRAMS
- E. DOCUMENT GROUP

6. CONVERSION PLUS TWO YEARS

- A. HOLLY HILL RUNNING LIVE IN 5 MONTHS FROM AN IBM S/3 MODEL 15
- B. DUNDEE RUNNING LIVE IN 10 MONTHS FROM AN IBM S/3 MODEL 10
- C. REMOTE ORDER ENTRY IN 24 MONTHS
- D. AVERAGE USERS IS 18 PER DAY
- E. DS TO HP3000 SERIES 30
- F. 50 SALESMEN USING DIAL UP TO A MARKETING DATA BASE
- G. ON LINE INVENTORY DATA BASE
- H. FORTRAN CONVERSION FROM AN IBM 1800 PROCESS COMPUTER TO HP3000