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6600 DOCUMENTATION NEWS

New Routines and Write-ups Available

BUFF      Read tape record of more than 5000 characters  
CHECK     Missing data input conversion  
IRAN      Integer random number generator  
LRSHFT    Shift within computer word  
PLYVAL    Evaluation of polynomials (CVAL, DVAL, RVAL)  
RANDEV    Normal distribution random number generator  
RAN2F     Uniform distribution random number generator

The following programs were written and documented for use by NAC programmers but anyone interested may obtain a copy of the write-up.

QLENGTH/CPI      To get cell 20g of the control point area  
INT46/FLOT46      Convert 1604 words from tape to 6600 words

General Information Write-Ups Available (from 6600 Consultant on duty)

6600 Library Subprograms list  
6600 Deck Structure (for SCOPE 2.0)  
Notes on 6600 UMST  
Fortran Object Routine Error Diagnostics

Changes from 1604 to 6600 Routines

NRAN and RAN1F are available on the 6600 as per the 1604 write-up but should be replaced by IRAN and RAN2F (7 times faster) which were written for the 6600. RANDEV is available on the 6600 but the write-up is different than for the 1604.

TIME does not function yet as per the 1604 write-up. It is being changed to conform and notice will be given in a future newsletter when it is available.

PLOT is presently available with minor modifications to the 1604 calling sequence. It will soon be replaced by a similar routine called PRNPLOT with a new write-up for the 6600.

Additional Routines Scheduled for Conversion

BANSOLV is being converted and will be available sometime this summer.

A CALCOMP Plotter package is being written and should be available sometime this summer.

CUBIC, FINV, and QUARTIC are scheduled for conversion but are not under way at this time.