

INTERIM SYSTEM VERSION 3.0

THE PRIMARY changes occur in the BEAD AND IPROC. SPACE IS TIGHTLY CONTROLLED TO ALLEVIATE GARBAGE COLLECTION PROBLEMS.

IPROC HAS BEEN COMPLETELY RE-WRITTEN. IT NOW PROGRESSES DOWN THE MASTR, XTEXT FILE READING THE TAPE AND MAKING GLOBAL OBJECTS. THE EXISTANCE OF THE XTEXT FILE MEANS THAT ALL THE ENTRIES OF THE MASTR, OPERATE C-LIST ARE KNOWN AT ASSEMBLY TIME ALLOWING INDIRECT C-LIST REFERENCES.

THE FIRST 16 ENTRIES OF MASTR, OPERATE DIRECTORY ARE RESERVED: ONE FOR EACH TELETYPE. THE FILE NAME IS SET TO THE USER AT THE CORRESPONDING LINE NUMBER IN MUX. THE USER NAME IS USER. THE SPACE RESERVED AT THE TELETYPE IS ALSO PUT IN THE ENTRY. A CALL C, DLIST, S, USER WILL LIST ALL USERS OF THE SYSTEM WITH THE AMMOUNT OF SPACE RESERVED AND THE LINE NUMBER OF THAT USER. C, DLIST, S WILL LIST UNDER USER THE SUM OF ALL SPACE RESERVED AND UNDER OPERATE THE AMMOUNT OF SPACE LEFT UNRESERVED.

THE BEAD HAS Two new
Commands : SPACE, N and
TRIM

SPACE : reserve ^{more} N words (OCTAL) for
USE BY THIS TELETYPE. IF
N words IS NOT AVAILABLE TYPE
TOO BIG

TRIM : remove all unnecessary reserved
SPACE. The space left is BEING
USED BY OBJECTS MADE AT
This Teletype

THE SCOPE SIMULATOR changes
the SPACE command TO MEAN LINE
LIMIT. MVS SPACE, 100 sets the
system file line limit TO 100. IF
the LINE LIMIT IS ever exceeded
ONE may enter a new limit and
Type CONT or EXIT SCOPE. NOTE
CONT may be used after the following
messages :

LINE limit
PF CALL error
PTR > FL

PTR negative
ILLEGAL FCN code

NOTES :

AN ALLOCATION BLOCK IS ASSOCIATED WITH THE TELETYPE LINE NUMBER. NOT THE PROCESS. DESTROYING THE PROCESS DOES NOTHING TO THE ALLOCATION BLOCK

LOGOUT DOES NOT TRIM. IT DOES DESTROY ALL OBJECTS MADE UNDER THE CURRENT USER NAME. THUS ALL SPACE RELEASED DOES NOT NECESSARILY GO TO THE ALLOCATION BLOCK FOR THE TELETYPE.

IF YOU GET A 6-1-0 ERROR MORE SPACE MAY BE OBTAINED BY SPACE, N THEN TYPE RESTORE TO CONTINUE. NOTE THAT IF THE READ GOT THE 6-1-0 ERROR MAKING A SUBPROCESS, THE PARAMETERS TO THE SUBPROCESS WILL BE LOST. I.E.:

C, DLIST, S, USER

06, 01, 00 ERROR INTERCEPTED

READ ERROR

SPACE, 20000

RESTORE

THE PARAMETER USER WOULD BE LOST IN THE CALL TO DLIST. TO

PASS The parameter put them on
the RESTORE command after 3 commas:
ie:

RESTORE))) USER

NEW ECS OPERATIONS AND OTHER OBJECTS
MAY BE ADDED TO THE BEAD'S DIRECTORY
BY PLACING THEM IN MASTER, XTEXT
AT THE END BEFORE THE NULL

ENTRY WHICH IS LAST. FAILURE TO
insert them EXACTLY here brings
DIRE CONSEQUENCES.