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COLOSSUS MEMO #288

TO: Distribution  
FROM: N. Brodeur  
DATE: September 21, 1970  
SUBJECT: Revision 58 of ARTEMIS

Revision 58 was BAD with 4 cusses.

Major Changes Incorporated into Revision 58:

1. The clearing of REINTBIT (Integration restart flag - bit 13, flag 10) was deleted in ENEMA to preserve the restart protection of INTSTALL during a BAILOUT. (ACB A-17)
2. The following unused ECADR's were deleted from the "Tags" log section: EBDVCNTR, EBP40TMP, EBDVCNT, EBQPLACE and EBRN1. The use of EBQPLACE in P11 was changed; EBANK5 is referenced directly.
3. The Erasable log section was modified by deleting unused erasables and by incorporating erasables that may have been defined in other log sections. The EBANK='s cards and ECADR's throughout the program were adjusted to allow for the above modifications. (ACB A-18).
4. Obsolete comments were deleted from the "P32-P33, P72-P73" and the "Erasable" log sections.
5. The "Check Equals List" log section was updated.
6. An improper restart point during R55 was corrected by changing the 4.31SPOT entry of the Restart tables. (ART-2E-11)
7. A new tag S61.1A-1 was appended to eliminate the use of a relative address in 4.45SPOT and P61. (ACB A-20)

8. New tags were appended to P11 for edit purposes.
9. Coding was added to P20 to use the minimum deadband if zero is loaded into R3 of N79. MINDB was redefined as a FIX-FIXED constant (PCN 1083).
10. The following changes were made for MINKEY Rendezvous (PCR 1049):
  - a) The clearing of R21MARK for R23 (COAS marking) was moved from the extended verb section (priority 30) to the beginning of R23 (priority 16). This was done to allow R22 (priority 26) to complete the processing of any optics mark that might be in progress before changing the source code. ✓
  - b) A restart problem in V56 was corrected by not clearing the RNDVZFLG and UTFFLAG until the end of the extended verb. This change enabled the deletion of the RNDVZFLG check in PIKUP20 .

GSOP Impact

The following items should be examined for possible impact on the various GSOP sections:

- Section 2: Item 1
- Section 3: Item 9
- Section 4: Items 9, 10a.