

Massachusetts Institute of Technology
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COLOSSUS Memo #237

TO: Distribution
FROM: P. Rye
DATE: 15 December 1969
SUBJECT: Revisions 76 through 80 of COMANCHE

Revision 80 of COMANCHE is good. The changes included in Revisions 76 through 80 are as follows:

- 1) Three values in the Entry Final Phase Reference Table were changed. (PCR 288)
- 2) 16 erasables in EBANK7 which were formerly used for P17 were deleted. (PCR 916)
- 3) The program descriptions of P40-P47 subroutines were updated.
- 4) Logic was added in Pinball so that a decimal load of less than 5 digits will be accepted, just as an octal load is. It is now possible to key in e.g., +54E rather than +00054E and +E rather than +00000E. (PCR 874.1)
- 5) Some code-saving changes were implemented in Pinball in order to make room for the above. The task TSTLTS2, the purpose of which was to make a job call to TSTLTS3, was deleted. The WAITLIST call to TSTLTS2 was changed to call TSTLTS3 directly via a DELAYJOB. The redundant definitions for ELRCODE1 and BRNCHCON were eliminated by equating these to existing constants. The unused subroutine DSPDECNR was deleted and ENTERJMP was replaced by existing identical coding. (ACB102)

- 7) Three double precision interpretive constants in P32-P33 were moved from Bank 06 to Bank 10 to make room for some of the above.
- 8)
- 9) The double precision constant V (21K), formerly defined as 64.000 B-7, was corrected to 64.008 B-7. (Anomaly COM32)
- 10) The KEYRUPT routine was moved from Bank 07 to Bank 10.
- 11) A time delay option was added to R64. V06N16 (R1, R2, R3=0) is displayed initially; a PROCEED with zero time causes the selected rate control to be immediately effective. A nonzero time (G.E.T.) may be loaded which will delay the implementation of the selected rate control until the specified G.E.T. The uplink activity light is turned on when the rate control starts. This option is not available during P00; if R64 is selected during P00, the V06N16 display is bypassed and rate control proceeds immediately with no uplink activity light. (PCR 292)
- 12) Nouns 19 and 31 were defined as spares and the corresponding values in the PINBALL noun tables were changed to zero. (ACB 104)
- 13) 4.55SPOT in the Restart Tables was changed to use a negative priority so that P56.1 will be restarted as a NOVAC job. (ACB 103)
- 14) The exit from LONGCALL was changed to use the subroutine SUPDXCHZ rather than the simple DTCTB so that tasks located in high Superbanks can be called via LONGCALL. (ACB 105)
- 15) V06N16 was defined in fixed-fixed memory since its users are located in three different fixed banks.
- 16)
- 17) Unused constants DEC51, EMARKDO, and EMRKBUF were deleted to make room in Bank 07. (ACB 106)

Changes to COLOSSUS GSOP:

Section 2 should reflect changes described in (6) and (11) above.

Section 3 should reflect the changes described in (6) and (11) above.

Section 4 should reflect changes described in (4), (6), (11), (12), and (16) above.

Section 5 should reflect changes described in (1), (6), and (9) above.

Anomalies

As of Revision 80 of COMANCHE there are no known anomalies.