

CATACAL ADDENDUM -
ASSEMBLING CATACAL
DEC-12-UWIA-DL
JULY, 1970

The CATALAC program is supplied to the user in both source and binary on the tape. To generate a new binary file if the source program is modified, use the following procedure.

1. Load a DIAL-MS tape on unit 0. Load unit 1 with either a DIAL-V2 or DIAL-MS system tape. If another tape unit is available, mount the tape containing the CLEARSYM and CATALAC source programs there. If only two tape units are available, place the source programs on unit 0 (with PIP if necessary), in order to reduce the assembly time.
2. Type →ZE↓ to clear the binary Working Area of unit 1.
3. Type →AS CLEARSYM↓ . CLEARSYM is a two word program which produces a clean symbol table.

 0000
 SAVSYM 1
4. Type →AS CAT2,0↓ . Error messages generated at this time should be ignored. Press the RETURN key to terminate the assembly after the errors have all been printed to suppress printing of the symbol table.
5. Type →ZE↓ . This clears the binary Working Area on unit 1.
6. Type →LI CAT3,0↓ . If no listing is desired, use the AS command. Any errors generated now are real and must be corrected.
7. Type →LI CAT2,0↓ . Because the symbol table produced is the same as the one generated in step 6, printing may be suppressed with the RETURN key after it has started to be printed.
8. Type →SB CAT23,0↓ . This saves the binary output from the two previous assemblies.
9. Type →ZE↓.
10. Two versions of the Floating Point Package are supplied. If the machine

has the EAE option, CAT1E should be used in the following steps and CATACALE will be generated. If the machine does not have this option, CAT2 should be used to generate CATACAL.

11. Type \rightarrow AB CAT1,Ø↓ .
12. Type \rightarrow AB CAT23,Ø↓ .
13. Type \rightarrow SB CATACAL,ØP↓ . A binary file of CATACAL(E) has now been generated and the command \rightarrow LO CATACAL,Ø ↓ will cause load and execute.