

INSTALLATION

What You Need

The California Computerized Assessment Package requires an PC-compatible computer running MS-DOS® (any version) or Windows®. The program works correctly with Intel 80286 microprocessors or faster (80386, 80486, etc.), but cannot time the stimulus materials correctly on slower computers (8086, 8088). In addition, the program requires:

- 1 MB minimum memory
- Hard Disk Drive with 2 MB of free space
- 80-column color display (CGA, EGA, VGA or better) or Active Matrix (TFT) color laptop
- DOS 3.1 or greater
- Any printer (optional)

*Note: VGA adaptor cards and monitors provide improved picture quality relative to CGA and EGA monitors. The CALCAP stimulus materials were developed so that they appear almost identical across these different monitors. The visual clarity and readability of the task instructions, however, is significantly better on VGA monitors. Normative data for this program were collected using 14-inch EGA and VGA monitors. There were no differences in reaction times or signal detection parameters as a function of the type of monitor used.

Potential Conflicts with Other Software

The California Computerized Assessment Package requires full access to the microprocessor in your computer for accurate timing. The CALCAP program works correctly with most implementations of Microsoft Windows®, but only when running inside of a DOS virtual machine. The current version of the CalCAP sets up the necessary software to run within a virtual machine, so long as you always start it from the Windows “Start” menu. Note that while the CALCAP program is running, all other Windows functions (such as switching from one task to another or viewing programs within windows) will be disabled.

Installing the California Computerized Assessment Package (CALCAP) on Your Hard Disk

Before you use the CALCAP program you need to install it. The program and data files for the CALCAP program are in a compressed format and must be installed using one of the two procedures detailed below.

The CALCAP program requires a hard disk for proper execution. Your hard disk should have at least 2 MB of free disk space.

Windows Installation Procedure

1. Download the current Windows version of the CalCAP program from the internet.
2. Run the downloaded program file by clicking on it.
3. The installation program will transfer all of the files for the CalCAP program into a subdirectory (\PROGRAM FILES\CALCAP) on Drive C. You can install a foreign language version of the CalCAP using procedures described later in this chapter.
4. To start the CalCAP program, locate the CalCAP program in the Windows Start Menu and then click on the CalCAP icon. You will see a list of all of the installed versions of the CalCAP program, and a DOS prompt (C:\>). Type the name of the program you wish to run at the DOS prompt, then press the Enter key. For more information about the different CalCAP routines, see Chapter 4: Task Administration.

5. When the CalCAP program is finished, you will be returned to the DOS prompt (C:\<>). Type 'EXIT' to return to Microsoft Windows.

DOS Installation Procedures

To install the CALCAP Program:

1. Start your computer and stay in the root directory of your hard disk. The DOS prompt will probably be C:> but may differ depending on your particular computer.
2. Download the DOS version of the CalCAP software from the internet and save it on your hard drive or a floppy disk.
3. To start the installation process from a floppy disk, type:

```
A:INSTALL
```

and then press the [Enter] key (or, use B:INSTALL if installing from Drive B).

The installation screen will suggest C:\CALCAP as the default drive and subdirectory. If you would like to install the program to a different hard disk or to a subdirectory other than CalCAP, edit the destination shown on the installation screen.

You cannot use nested subdirectories such as MYDIR\CALCAP during the initial installation, though you can copy the CALCAP files to any directory after they have been transferred to your hard disk.

4. Unless you specify otherwise, the installation program will transfer all of the files for the CALCAP program into a subdirectory (\CALCAP) on Drive C.
5. At the end of the installation procedure, the installation routine will look to see if you have an older version of the CalCAP already installed in this subdirectory. If so, it will ask some additional questions about

updating your CalCAP files (see “*Installing an Updated Version of the CalCAP Program*” below).

6. If the installation routine does not detect an older version of the CalCAP program, it will list all currently available CalCAP routines and exit to the DOS prompt. You can then type in the name of the CalCAP routine that you would like to run (see Chapter 4: Task Administration).

Installing an Updated Version of the CalCAP Program

The CALCAP installation program automatically detects and updates earlier versions of the CALCAP software.

If the installation routine detects an old version of the CALCAP program, you will see some additional messages at the end of the installation procedure (for the DOS installation disk), or the first time that you click on the CalCAP icon (for the Windows installation). These additional messages are described below:

- An older version of CALCAP has been detected. Shall I delete the old program files? Yes (No) [Default is Yes]

There is no reason to keep the old program files since they cannot be used with the updated version of the CALCAP program and will not function correctly after the new CALCAP procedures have been installed.

- Would you like to keep your customized Site Identification codes? **Yes (No)** [Default is Yes]

This question is asked only if you have customized the Site Identification codes by using the RTCONFIG program (described below). Answer 'Y' if you would like to retain any unique Site Identification codes that you may have assigned previously.

- There are one or more batch files that need to be updated. Would you like to have these files updated so that they can be used with the new version of the CALCAP program? **Yes (No)** [Default is Yes]

This question is asked only if the installation procedure finds batch files that use the old version of the CALCAP program. Answering 'Y' will save you considerable time by editing your customized batch files and substituting the new name for the latest version of the CALCAP program.

These procedures for updating your programs work only if you have followed standard procedures for installing the CALCAP program. The updating process may fail if you have renamed any of the CALCAP files, have changed any of the CALCAP file attributes to Read-Only, or have write-protected your CALCAP files.

At the end of the installation procedure you will be in the default CALCAP subdirectory. To see all available program drivers for the CALCAP program, type 'CALCAP'. This command will list all of the CALCAP routines that are installed on your computer, as well as the DOS commands you should use to start the program.

For more information on starting the CALCAP program, refer to Chapter 4: Task Administration.

for the CALCAP Program

All versions of the CALCAP program drivers are compatible and can reside in the same subdirectory on your hard disk. To install an additional set of program drivers, just follow the installation procedures described above. The CALCAP currently ships with the Standard, Abbreviated and Mini test batteries in English and several other languages (see below).

If you want to know which versions of the CALCAP program are installed on your hard disk, type the command 'CALCAP' at the DOS prompt. You must already be in the default CALCAP subdirectory for this command to work.

Installing Foreign Language Versions of the CALCAP Program

The basic CALCAP program installs the English language version of the CALCAP. The necessary files for other languages are included on the CALCAP subdirectory in a compressed format.

Make sure that you are at the DOS prompt for the CalcAP program. Type the installation code word shown in the table below to de-compress and install the necessary program files. Then type 'CALCAP' at the DOS prompt to confirm that the routines were installed.

<u>To install ...</u>	<u>Type ... and press [Enter]</u>
Danish version*	DANISH
Flemish version	FLEMISH
French version	FRENCH
Norwegian version*	NORWAY
Spanish version	SPANISH

*See additional information below on Code Page adjustments for Norwegian and Danish versions of the CalcAP.

Installing Multiple Program Drivers

Code Page Adjustments for Norwegian and Danish Versions

If you are running Microsoft Windows, the characters ø and Ø will not display correctly in the CalCAP instructions (stimulus materials are not affected). If you are using an MS-DOS computer and these characters do not already display correctly, you can configure your computer by following the instructions shown below:

To configure your computer for an alternate MS-DOS character set:

1) Add to CONFIG.SYS:

```
country=047,865,c:\dos\country.sys  
device=c:\dos\display.sys con=(,2)
```

(Note: Country 045 is Denmark, Country 047 is Norway; Code page 865 is Nordic, Code page 850 is Multilingual)

2) Add to AUTOEXEC.BAT:

```
c:\dos\nlsfunc  
c:\dos\mode con cp  
    prep=((865,437) c:\dos\ega.cpi)  
c:\dos\mode con cp select=865
```

(Note: Code page 865 is Nordic, 850 is Multilingual, 437 is U.S.)

These examples assume that you are using MS-DOS 5.0 or higher and that DOS is located in C:\DOS. The files COUNTRY.SYS, DISPLAY.SYS, MODE.COM, NSLFUNC.EXE and EGA.CPI must be in your DOS subdirectory. Consult your MS-DOS manual or the file COUNTRY.TXT supplied with MS-DOS for more information on configuring your computer for alternate character sets.

Site Identification Codes

If you are using the CALCAP program at more than one location you may want to assign unique site identification codes for each location. The This procedure will remove all old versions of the CALCAP program but will not remove any subject data.

RTCONFIG program allows you to enter a 28-character site identification descriptor and a 2-digit site number (01-99). To change the current defaults, type 'RTCONFIG' while in the \CALCAP subdirectory.

Note: The RTCONFIG program also lists the version numbers of the CALCAP programs and reaction time routines. These values are provided for informational purposes only. You cannot use RTCONFIG to change any of the version numbers.

Removing Old Versions of the CALCAP Program

If you are upgrading to a newer version of the CALCAP program the installation routine will automatically remove any old program files. To start the installation process, follow the instructions detailed under *Installing the California Computerized Assessment Package (CALCAP) on Your Hard Disk*.

If you are not installing a new version of the CALCAP program you can still remove the old program files without damaging the data files.

If you installed the program using Windows procedures, just choose Uninstall from the CalCAP menu found by clicking "Start" -> "Programs".

If you installed the program using the DOS installation procedures, you can remove old program files by using the 'REMOVE' program included on your DOS distribution diskette.

For example, if your new CALCAP diskette is in Drive A and your \CALCAP subdirectory is on Drive C, you would type:

```
A:REMOVE C:\CALCAP
```

[If you need to use a different floppy disk drive or a different hard disk you would change the drive letters A and/or C shown above.]

Technical Notes: The 'REMOVE' program deletes most executable and batch files from the \CALCAP subdirectory. If you have installed programs other than the CALCAP routines in the \CALCAP

subdirectory these programs should be moved to another subdirectory before using the 'REMOVE' program.

If you want to erase the old CALCAP program manually, you should be careful to save any subject data. *DO NOT* erase all of the files in your \CALCAP subdirectory since all of the files with a '.DAT' suffix contain subject data.