

# Portions of "README" File - NADCON 2.10 (HARN)

October 21, 1993

## Additional Grid Files:

Files of shifts between NAD83 and HARN State readjustment positions are now available for Idaho-Montana area. The update consists of two pairs of grid files, eastern and western areas. The western grids extend from longitude 109W to 119W; the eastern grids extend from longitude 103W to 113W. The grids overlap between longitudes 109W and 113W. The latitudes are the same for both pairs of grids: 41N to 50N.

NADCON currently permits only one pair of NAD83-HARN grid files to be opened at a time. The program will be changed to permit the user to open as many as four NAD83-HARN grid pairs. If the shifts for NAD83-NAD27 are opted, all grid pairs in the working directory which are applicable to those datum shifts are opened (7 maximum).

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## STATE HARN PROJECTS:

In 1992, NADCON capability was expanded to include transformations of latitude and longitude coordinate values between NAD 83/86 (includes post NAD 83 adjustments) and certain state readjustments to HARN (High Accuracy Reference Network) projects. Latitude and longitude conversions from NAD 83 to HARN and from HARN to NAD 83 are computed in the same manner as those conversions between NAD 27 and NAD 83, but access HPGN (HARN) prepared files instead of the original Conus, Alaska, etc. grid files.

Pairs of grid files are available for the following states:

| Area/State<br>Name     | File<br>Name     | 2-Letter Code<br>For NADCON Execution |
|------------------------|------------------|---------------------------------------|
| Florida                | FLHPGN           | FL                                    |
| Tennessee              | TNHPGN           | TN                                    |
| Wisconsin              | WIHPGN           | WI                                    |
| Maryland-Delaware      | MDHPGN           | MD                                    |
| Washington-Oregon      | WOHPGN           | WO                                    |
| Colorado               | COHPGN           | CO                                    |
| Alabama                | ALHPGN           | AL                                    |
| Louisiana              | LAHPGN           | LA                                    |
| Idaho-Montana          | EMHPGN (Eastern) | EM                                    |
| Idaho-Montana          | WMHPGN (Western) | WM                                    |
| Puerto Rico-Virgin Is. | PVHPGN           | PV                                    |

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Additional copies of this program can be obtained from:

NOAA, NGS, N/CG174  
SSMC-3, Station 9202  
1315 East-West Highway  
Silver Spring, MD 20910  
Telephone Number: (301) 713-3242