

*I n t e l l i N o t e s***GPS Data File**

How it Works

Net 7000 programs use a data file to store GPS data to be used by other programs that use our GPS data. The name and location of this file is specified in the configuration file for the AES program you are using. In older Net7K programs the file is specified in the NET7K.CFK file. In newer versions it is specified under the System-Configuration Parameters..-I/O Parameters-I/O File Path section from the Menu. The file path is usually intended to be on a network where computers other than the AES 7100 running Net7K can access the file.

AES Net7000 programs also create a temporary file. Any other program to get GPS data should not access the temporary file. The file specified in the configuration should be used.

Here is how it is supposed to work. When the AES program receives a GPS packet it stores the data in a temporary file using a format also specified in the configuration file. This file is named \$TMP\$.TMP. The AES program appends new data to the end of any existing temporary file. Then the AES program attempts to rename the temporary file to the name specified in the configuration file. STREETS.GPS is the default and what will be used in this example. If it fails because the file STREETS.GPS exists then you have the existing file plus the temporary file. The program reading GPS data is to read the data from the file STREETS.GPS. Then the program must delete the STREETS.GPS file. This allows the AES program to successfully rename the temporary file next time it writes new data.

You risk errors, damage to files, program lockup or failure , if your GPS program attempts to read data from the temporary file at the same time as the AES program is writing.