# TEST 1

## Error conditions handled smoothly

In most cases tests should include confirmation that the macro handle invalid or error conditions smoothly, with a clear message to the user, and an appropriate return value to the calling program.

For example, given an invalid data set name, a macro should set the global macro variable CONTINUE to 0 (See [Project Programming Guidelines](http://www.phusewiki.org/wiki/index.php?title=WG5_P02_Programming_Guidelines) for further discussion).

## Checks

1. XPORT filename is correct, but DS name within is invalid
   1. accessing external files in central location (e.g., github)
   2. accessing local file (LOCAL path option)
2. XPORT filename is invalid
   1. accessing external files in central location (e.g., github)
   2. accessing local file (LOCAL path option)

# TEST 2

## Extract requested data from XPORT files

XPORT files are containers for one or many data sets, which may have the same name as the XPORT file. Ensure that the macro can extract the correct data set from the XPORT container.

## Checks

1. Access same-name data set within an XPORT file
2. accessing external files in central location (e.g., github)
3. accessing local files (LOCAL path option)
4. Access other-named data set within an XPORT file
5. accessing external files in central location (e.g., github)
6. accessing local files (LOCAL path option)

# TEST 3

## Confirm expected log messages

In most cases tests will include failure scenarios, which should produce log messages. The following log messages are EXPECTED due to test design (testing failure conditions):

WARNING: (TEST\_UTIL\_ACCESS\_TEST\_DATA) User must ensure PhUSE/CSS utilities are in the AUTOCALL

ERROR: File SOURCE.DSET\_DNE.DATA does not exist.

WARNING: The data set WORK.CSS\_DSET\_DNE may be incomplete. When this step was stopped there were 0 observations and 0 variables.

ERROR: (UTIL\_ACCESS\_TEST\_DATA) Please confirm that data set DSET\_DNE exists in transport file TEST.

ERROR: File SOURCE.DSET\_DNE.DATA does not exist.

WARNING: The data set WORK.CSS\_DSET\_DNE may be incomplete. When this step was stopped there were 0 observations and 0 variables.

ERROR: (UTIL\_ACCESS\_TEST\_DATA) Please confirm that data set DSET\_DNE exists in transport file TEST.

ERROR: Invalid reply received from the HTTP server. Use the debug option for more info.

WARNING: The data set WORK.CSS\_XPT\_DNE may be incomplete. When this step was stopped there were 0 observations and 0 variables.

ERROR: (UTIL\_ACCESS\_TEST\_DATA) Please confirm that data set XPT\_DNE exists in transport file XPT\_DNE.

ERROR: Physical file does not exist, C:\Users\ditommd1\AppData\Local\Temp\SAS Temporary Files\\_TD5928\xpt\_dne.xpt.

WARNING: The data set WORK.CSS\_XPT\_DNE may be incomplete. When this step was stopped there were 0 observations and 0 variables.

ERROR: (UTIL\_ACCESS\_TEST\_DATA) Please confirm that data set XPT\_DNE exists in transport file XPT\_DNE.

ERROR: Errors printed on page 1.