

Support Tasks**@AUXILIARY_TASK**

Start an auxiliary support task.

Keyword:

@AUXILIARY_TASK

Usage:

This keyword is used to spawn a special type of support task called an "auxiliary" task. This task can perform some special support function for the test scheduler, but must be designed to accept start, and stop messages and must return a reply message which signals success or failure.

Data Fields:

start_type	code for when to send a "start" signal to the task. Options are AT_START, AFTER_STABILITY, EXTERNAL_SYNC, NONE
stop_path	code for what action to take when the auxiliary task completes its function. Options are NONE, MODE_TERMINATE, RETURN, a mode number, or a procedure file pathname.
fail_path	code for what action to take when the auxiliary task signals that it has failed to accomplish its function. Options are NONE, MODE_TERMINATE, RETURN, a mode number, or a procedure file pathname.
task_pathname	the auxiliary task name
command_line	arguments for the auxiliary task (enclose the command line in quotes)

Example Specification:

```
@AUXILIARY_TASK
#start_type          stop_path          fail_path
AT_START             MODE_TERMINATE    /specs/gp/gp_idle
#task_pathname       command_line
/asset/bin/engine_start  "/specs/starter.407"
```

Spawn the engine start task with specifications for how to start in file /specs/starter.407. Branch to the gp_idle procedure if the engine fails to start.

Notes:

The command line must be enclosed in double quotes and may contain more than one argument, depending on the particular task.

Other Examples:

```
@AUXILIARY_TASK
#start_type          stop_path          fail_path
AT_START             MODE_TERMINATE    23
#task_pathname       command_line
/asset/bin/engine_start  "/specs/starter.407"
```

Spawn the engine_start task. Jump to mode 23 if the engine fails to start

```
@AUXILIARY_TASK
#start_type stop_type failure action
AT_START MODE_TERMINATE ELSE_MODE

/asset/bin/vrbl_to_file "/specs/vrbls_tvo READ run_index"
#start_type          stop_path          fail_path
AT_START             MODE_TERMINATE    ELSE_MODE
#task_pathname       command_line
/asset/bin/vrbl_to_file  "/specs/vrbls_tvo Read run_index"
```

Spawn the variable to file [\(Furball\)](#) task and branch to the ELSE mode if there is a failure.