



# SITAL Technical Notes

## Stopping ModelSim Run



***How do you use the “when” command to quit the simulation or to stop the current run command?***

The when command allows the user to execute certain commands when a specified condition is met. There are specific steps to follow that may not be obvious if the user wants to quit the simulation or the current run command. The when command can only interrupt the simulation via the “stop” command. The “stop” creates a break in the simulation and from that break the user can quit the simulation or stop the current run command.

Example macro file for quitting the simulation:

```
onbreak {quit -sim}
when {trigger_sig = '1'} {
echo "The trigger signal is set, quitting the current simulation"
stop
}
```

Use the "run -all" command to start infinite simulation that will stop when signal trigger\_sig = '1'.

It is not valid to attempt to “quit-sim” or “resume” from within the “when” command, thus the need for the “stop” and “onbreak” commands.