Mode Termination	@LIMIT_SPECS_ALL

Specify a number of limits that will terminate the mode only if all are simultaneously violated.

Keyword:

@LIMIT_SPECS_ALL

Usage:

Specifies a list of variables with limits set on them. If the all of the limits are violated, then the mode is terminated. If the next_path field is 0 or "-", then the default_next_mode path (in @MODE) is executed, otherwise control is passed to the mode or test procedure specified for the limit that was violated. The limit value may be expressed as a constant, variable label, or computed expression.

Data Fields:

exit_path	The path to execute when/if all the specified limits are simultaneously violated. This may be a mode number, a procedure pathname, MODE_TERMINATE, or RETURN.
variable	A variable on which the limit is set. This may be a real, integer, statistical, property, or composition variable.
value	the limit value (constant/variable/expression)
type	upper or lower limit (U/L)
interval	the rate at which to check the limit (FAS/MED/SLO)
period_out	the period for which the limit must be violated before the action is taken
next_path	an optional path to execute if this limit is violated

Example Specification:

```
@LIMIT_SPECS_ALL
        #exit_path
        MODE_TERMINATE
        #label    value          type     interval   period_out
        RPM       2400[rpm]      U        MED        10[sec]
        blow_by   10[in_h2o]     U        SLO        0[s]
```

Set an upper limit of 2400 rpm on engine speed and an upper limit of 10[in_h2o] on blow_by. Terminate the test mode if both are violated.

Notes:

The processing of the limit occurs only during the mode in which it is specified. It is enabled when the mode starts and disabled when the mode terminates.

Violation of a limit will not cause the display to blink.