Identification

Reserved Condition Names
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Purpose

By convention a number of condition names are reserved for certain system defined conditions. These condition names are listed in this section.

Reserved Condition Suffix

The suffix "_err" is reserved for generating a condition name by attaching it to the name of a procedure segment. The condition so named is signaled when an error occurs during execution of the procedure.

Reserved Condition Names

The following alphabetical list of condition names are reserved for the indicated condition. Each name is followed by the identification of the principle MSPM section or other documents where its purpose is described.

**access_violation**

**BK.3.02**

Condition signaled by the "illegal_procedure" default handler for the "access violation" subcondition.

**area**

EPL Manual

Attempt to allocate into area which has insufficient free storage available in an EPL procedure.

**compat_635**

**BK.3.02**

Condition signaled for the occurrence of "635 compatibility" hardware fault.

**compat_635_645**

**BK.3.02**

Condition signaled for the occurrence of "635/645 compatibility" hardware fault.

**conversion**

EPL Manual

Illegal conversion attempted on character string data in an EPL program.
Condition signaled for occurrence of "derail" hardware fault.

Conditions signaled for occurrence of "directed fault 5, 6, 7" hardware faults.

Condition signaled for occurrence of "divide check" hardware fault.

Condition indicating some error situation in an EPL program.

Condition signaled by the "overflow" default handler for the "exponent overflow" subcondition.

Condition signaled by the "overflow" default handler for the "exponent underflow" subcondition.

Condition signaled for occurrence of nth (0 ≤ n < 256K) simulated software fault.

Condition signaled immediately prior to termination of an EPL main program.

Condition signaled for occurrence of "fault tag 1" hardware fault.

Condition signaled for occurrence of "fault tag 2" hardware fault; this is reserved for the standard Multics linkage fault.
ft3
Condition signaled for occurrence of "fault tag 3" hardware fault. Reserved for future assignment.

illegal_op
Condition signaled by the "illegal_operation" default handler for the "illegal operation code" sub-condition. Occurs when processor executes an instruction with undefined operation code.

illegal_operation
Condition signaled for occurrence of "illegal procedure" hardware fault.

locked_base
Condition signaled by the "illegal operation" default handler for the "slave mode with locked base" sub-condition.

mme1, mme2, mme3, mme4
Conditions signaled for occurrence of "master mode entry 1, 2, 3, or 4" hardware faults respectively. Reserved for future assignment.

op_not_complete
Condition signaled for "operation not completed" hardware fault.

out_of_bounds
Condition signaled by "illegal_operation" default handler for the "out_of_bounds" sub-condition.

overflow
Condition signaled by the "overflow_fault" default handler for the "overflow" sub-condition.

overflow_fault
Condition signaled for occurrence of "overflow" hardware fault.
page_fault_failure

Missing page fault resulting from page really missing.

privileged_inst

Condition signaled by the "illegal_procedure" default handler for the "privileged instruction" subcondition.

segment_fault_failure

Missing segment fault resulting from segment really missing.

subscriptrange

Condition signaled when a subscript lies outside its specified bounds in an EPL program.

size

Target field on an internal conversion is too small in an EPL procedure.

unclaimed_signal

Condition signaled when signal procedure is unable to find a handler for a user defined condition.

underflow

Floating-point underflow in an EPL procedure.

zerodivide

Attempt to divide by zero in an EPL procedure.