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.

derail   BK.3.02

Condition signaled for occurrence of "derail" hardware
fault.

df5, df6, df7   BK.3.02

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

divide_check   BK.3.02

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

error   EPL Manual

Condition indicating some error situation in an
EPL program.

exponent_overflow   BK.3.02

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

exponent_underflow   BK.3.02

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

fault_n   BB.5.03

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

finish   EPL Manual

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

ft1   BK.3.02

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

ft2   BD.7.01, BK.3.02

Condition signaled for occurrence of "fault tag 2"
hardware fault; this is reserved for the standard
Multics linkage fault.

ft3   BK.3.02

> Condition signaled for occurrence of "fault tag 3"
> hardware fault. Reserved for future assignment.

illegal_op   BK.3.02

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

illegal_procedure   BK.3.02

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

locked_base   BK.3.02

> Condition signaled by the "illegal procedure"
> default handler for the "slave mode with locked base"
> subcondition.

mme1, mme2, mme3, mme4   BK.3.02

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

op_not_complete   BK.3.02

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

out_of_bounds   BK.3.02

> Condition signaled by "illegal_procedure" default
> handler for the "out_of_bounds" subcondition.

overflow   BK.3.02

> Condition signaled by the "overflow_fault" default
> handler for the "overflow" subcondition.

overflow_fault   BK.3.02

> Condition signaled for occurrence of "overflow" hardware
> fault.

page_fault_failure   BK.3.06

    Missing page fault resulting from page really missing.

privileged_inst   BK.3.02

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

segment_fault_failure   BK.3.06

    Missing segment fault resulting from segment really
    missing.

subscriptrange   EPL Manual

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

size   EPL Manual

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

unclaimed_signal   BY.11.05

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

underflow   EPL Manual

    Floating-point underflow in an EPL procedure.

zerodivide   EPL Manual

    Attempt to divide by zero in an EPL procedure.