Identification

Fault Assignment
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Purpose

A number of faults have been reserved for special interpretation
by the system. This section lists these faults and describes
their interpretation.

Fault Assignments

1. Fault tag 2
        Standard Multics linkage fault; always
        passed to the linker.

2. Fault tag 3
        (Reserved for future assignment)

3. Master mode entry 1
        (Reserved for future assignment)

4. Master mode entry 2
        (Reserved for future assignment)

5. Master mode entry 3
        (Reserved for future assignment)

6. Master mode entry 4
        (Reserved for future assignment)

7. Illegal procedure, illegal operation code sub-condition
        Used to simulate new instructions not yet
        retrofitted onto the processor.

8. Illegal procedure, out of bounds sub-condition
        Used by the Basic File System.

9. Illegal procedure, access violation (attempt to execute
    data) subcondition
        Used to intercept an attempted outward wall
        crossing; always passed to the gatekeeper.

10. Timer runout
        Transformed into time-out interrupt signal and
        processes with other interrupts.

11. Connect
       Reserved to mean "clear your associative memory".

12. Directed fault 0
       Used in page and segment descriptors to indicate
       a missing page or segment.

13. Directed fault 1
       Used for metering core storage usage.

14. Directed fault 2
       Used to intercept an attempted inward wall
       crossing; always passed to the gatekeeper.

15. Directed fault 3
       Used by the basic file system to deny all
       access to a page or segment (even to master
       mode procedures).

16. Directed fault 4
       Used for "unusual mode simulation" i.e., simulation
       of those file access attributes which have no
       direct counterpart in segment descriptors.

17. Directed fault 5
       (Reserved for future assignment)

18. Directed fault 6
       (Reserved for future assignment)

19. Directed fault 7
       (Reserved for future assignment)

20. Derail and Fault tag 1
       These faults are reserved for use by users and
       will not be given special interpretation by the
       system.