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Identification

Process Definition Segment
A. Evans

Purpose

The traffic controller maintains on a per-process basis certain data items. Those items which need not be accessed by other processes and which need not be kept in wired down core are kept in the process definition segment. See Section BJ.1.00 for a discussion of strategies used in selecting a home for particular data items.

Discussion

There are two major parts to the process definition segment: The fault stack and the process definition block. The former is discussed below and the latter is discussed in detail in Section BJ.1.07.

The fault interceptor uses initially the process concealed stack, which is wired down. If it determines for a particular fault that it may proceed using a paged stack, it switches to the fault stack.

The Process Definition Segment has read-write access in the hardcore ring, and is accessible in master mode only in less privileged rings.