

Identification

The Activator Table

Robert L. Rappaport, *Michael J. Spier*

Purpose

An "inactive" process does not have an APT entry. A signal (wakeup, quit, unquit) sent to an inactive process is diverted to the Traffic Controller Daemon Process (loader/activator daemon.) The Activator Table is a mailbox used by the Traffic Controller to communicate to the daemon process the information that is associated with the signal.

Description

The Activator Table is declared as follows:

```
declare 1 activator_table(n) based(p),
        2 process_id bit(36),
        2 signal fixed,
        2 event_queue bit(18);
```

Each entry consists of three items: a process id of a (presumably) de-activated process, a signal variable to describe the nature of the signal (0=wakeup, 1=quit, 2=unquit) and a relative pointer to an interprocess event-message if the signal was a wakeup.

The TC Daemon Process is awakened by the signalling process and copies the messages it finds in the Activator Table into its own memory space where it proceeds to activate the ~~mentioned~~ listed processes.

The Activator Table is allocated in segment <tc\_data> and has a constant, pre-determined, size.