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Identification

Software Parameter Table (SWPT)

E. I. Ancona

Purpose

This table of constants is stored on the system tape. It is one of the driving tables of system initialization and contains parameters which set the software configuration.

Contents of SWPT:

The table contains

1. The symbolic name of each interrupt handler. (int_hlr). This will be used by the interrupt interceptor and the system communication segment (SCS). (See BK.1 and BK.2)
2. The scheduling quantum of time. (time_limit). This time is used only by the initial round-robin scheduler and is placed in tc_data\$time_limit. (See BJ.4.03)
3. The hardcore ring number (hardcore_ring). This is stored in tc_data\$hard_core_ring_no.
4. The Active Process Table size. (apt_size). This is used by tc_init to set up the APT. (See BJ.1.08)
5. The APT hash table size (apt_hash_size). This is used by tc_init to set up the APT hash table. (See BJ.1.08)
6. The number of event chains in (a) normal, (b) wired down process wait and notify table. (n_list)
7. The maximum number of entries in (a) normal, (b) wired down process wait and notify table. (max_entry)

EPL Declaration

```
dc1 1 swpt$int_hlr (14) ext, /*symbolic names of interrupt
                                handlers*/
      2 seg_name char(32),
      2 entry_name char(32),
      swpt$time_limit bit (24) ext, /*process time limit*/
```

```
swpt$hardcore_ring fixed bin (17) ext, /*hardcore ring number*/
swpt$aapt_size fixed bin (17) ext, /*APT table size*/
swpt$aapt_hash_size fixed bin (17) ext, /*APT hash table size*/
1 swpt$n_pwt ext, /*normal process wait and
                    notify table*/
    2 n_list fixed bin(17), /*number of event chains*/
    2 max_entry fixed bin (17), /*max number of entries*/
1 swpt$w_pwt ext, /*wired down process wait
                    and notify table*/
    2 n_list fixed bin (17), /*number of event chains*/
    2 max_entry fixed bin (17); /*max number of entries*/
```