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Identification

Set Cell Procedure
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Purpose

Set_cell is a master mode procedure which allows processes to set interrupt cells in any system controller. For example, it is called by the traffic controller whenever a process interrupt is to be generated.

Discussion

To set an interrupt cell in a system controller the following call is made.

```
call master_mode_ut$set_cell(interrupt_pattern,pointer);
```

where:

- master_mode_ut - The master mode utility segment (BK.5.00).
- set_cell - Entry point to the set cell procedure.
- interrupt_pattern - An aligned 36 bit string which is to be placed in the A register prior to execution of the SMIC command.
- pointer - An ITS pair used to reference the system controller.

For example, the traffic controller could initiate a preempt interrupt for processor n (where n is the processor index, see BK.4.04) by means of the following call:

```
call master_mode_ut$set_cell(scs$pre_empt_pattern,  
scs$proc_contr_ptr(n));
```