

Clock services provided by the supervisor

The <sup>Multi</sup> supervisor, with the aid of certain hardware devices, provides

two fundamentally different types of clock services: real-time services and process time services. ~~The difference is that the real-time services~~

~~are~~ Process time services are those connected with clocks which "tick" only while the process is in control of the processor. Both real-time

and process time services ~~are~~ include interval measurement and interval reset interrupts. The precise specification of these services

~~is~~ <sup>hardware</sup> assume implementation of the proposed system of clocks.



2. Real-Time Interval Interrupts. An interrupt request ~~may be generated~~ will be sent to a process at a specific time if the process ~~calls~~ requests: <sup>callback time</sup>  
 call Set-Time-~~Interrupts~~ (time-interval, interrupt word)

~~the process~~ the process should take care to enable, <sup>some problem</sup> for the <sup>request</sup> interrupt before it occurs.

~~A process may set as many interval and set several time intervals for different times of day.~~

Note that although the interrupt request to the process will occur at the process time requested, the <sup>blocked</sup> process may not go <sup>scheduled</sup> ~~controlled~~ for some time due to scheduling and swapping depending on system load.

to <sup>real-time interrupt request</sup> get rid of a time ~~interval~~ <sup>request</sup> which has been set, the call ~~Delete-time-interrupts~~ (callback time) ~~is~~ is provided.

A library package <sup>must be provided for the I</sup> ~~can be provided~~ which will accept <sup>multiple</sup> ~~multiple~~ <sup>or several</sup> ~~calls several times~~ interrupt <sup>request</sup> times, and allow selective deletion of these <sup>requests</sup> ~~interrupts~~, and coordinate enabling of interrupt ~~problem~~.