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Identification

List of calls to the Traffic Controller
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Purpose

This section is intended to serve as a reference manual for the users of the Traffic Controller; it lists all the entry points which are of interest to the outside user, giving the full calling sequence as well as the arguments' PL/I declarations and an MSPM section number to be used as reference.

The Traffic Controller has additional entries which are used internally and which would normally be of no interest to the outsider. These entry points are documented in sections BJ.8.

In the following list, only entry point names are given, disregarding segment names. This is done in order to keep this document implementation independent. Consequently, a call to entry point block will in reality be a call to traffic_controller\$block.

Interprocess Communication entries

BJ.3.01 call block(interaction_sw,event);
 declare interaction_sw bit(1), event bit(18);

BJ.3.02 call wakeup(process_id,event,exec_state);
 declare exec_state fixed, process_id
 fixed bin (35);

BJ.3.02 call dst_wakeup(dev_inx);
 declare dev_inx fixed;

BJ.3.03 call status(process_id,exec_state,load_state);
 declare (exec_state, load_state) fixed;

Stop and Start

BJ.4.01 call stop(process_id);

BJ.4.02 call start(process_id);

BJ.4.01 call i_stop;

Process interrupt calls

BJ.5.00 call reschedule (interaction_sw);
BJ.5.02 call pre-empt(processor);
declare processor fixed;

Process Wait and Notify calls

BJ.2.00 call addevent(system_event);
declare system_event fixed;
BJ.2.00 call wait(system_event);
BJ.2.00 call notify(system_event);

Internal calls which may be of general interest

BJ.8.04 call swap_dbr(apt_ptr);
declare apt_ptr bit(18);
BJ.1.04 call hash_lookup(process_id,apt_ptr);
declare process_id bit(36), apt_ptr bit(18);
BJ.1.04 call hash_enter(process_id,apt_ptr);
BJ.1.04 call hash_delete(apt_ptr);