-- TrapDefs.mesa Edited by Sandman on April 10, 1978 11:03 AM

DIRECTORY
    ControlDefs: FROM "controldefs";

DEFINITIONS FROM ControlDefs;

TrapDefs: DEFINITIONS = BEGIN

    -- Faults
    StartFault: SIGNAL [dest: GlobalFrameHandle];
    StackError: ERROR [FrameHandle];
    PortFault: ERROR;
    LinkageFault: ERROR;
    ControlFault: SIGNAL [source: FrameHandle] RETURNS [ControlLink];
    UnboundProcedure: SIGNAL [dest: ControlLink] RETURNS [ControlLink];
    ParityError: SIGNAL [address: POINTER];
    PhantomParityError: SIGNAL;

    -- Signal Stuff
    SendMsgSignal: SIGNAL RETURNS [UNSPECIFIED, UNSPECIFIED];
    ResumeError: SIGNAL;

    -- Xfer Trap Stuff
    TrapReason: TYPE = {other, localCall, return};
    TrapState: TYPE = {off, on, pending};

    TrapStatus: TYPE = MACHINE DEPENDENT RECORD [
        fill1: [0..177B],
        reason: TrapReason,
        fill2: [0..37B],
        state: TrapState];

    TrapParameter: TYPE = RECORD [
        SELECT OVERLAID * FROM
        other => [
            link: ControlLink],
        localCall => [
            ep: CARDINAL],
        return => [
            frame: FrameHandle],
        ENDCASE];

    NullReason: TrapReason = LOOPHOLE[0];

    TraceOff: TrapStatus = [0, NullReason, 0, off];
    TraceNext: TrapStatus = [0, NullReason, 0, pending];

END...