-- IODefs.Mesa Edited by Johnsson on April 10, 1978 10:54 AM

DIRECTORY
StreamDefs: FROM "streamdefs'';

IODefs: DEFINITIONS =
BEGIN

-- some control characters

NUL: CHARACTER = OC;
ControlA: CHARACTER = 'A-100B;
ControlB: CHARACTER = 'B-100B;
ControlC: CHARACTE = 'C-100B;
ControlD: CHARACTER = 'D-100B;
ControlE: CHARACTER = 'E-100B;
ControlF: CHARACTER = 'F-100B;
ControlG, BEL: CHARACTER = 'G-100B;
ControlH, BS: CHARACTER = 'H-100B;
ControlI, TAB: CHARACTER = 'I-100B;
ControlJ, LF: CHARACTER = 'J-100B;
ControlK: CHARACTER = 'K-100B;
ControlL, FF: CHARACTER = 'L-100B;
ControlM, CR: CHARACTER = 'M-100B;
ControlN: CHARACTER = 'N-100B;
ControlO: CHARACTER = 'O-100B;
ControlP: CHARACTER = 'P-100B;
ControlQ: CHARACTER = 'Q-100B;
ControlR: CHARACTER = 'R-100B;
ControlS: CHARACTER = 'S-100B;
ControlT: CHARACTER = 'T-100B;
ControlU: CHARACTER = 'U-100B;
ControlV: CHARACTER = 'V-100B;
ControlW: CHARACTER = 'W-100B;
ControlX: CHARACTER = 'X-100B;
ControlY: CHARACTER = 'Y-100B;
ControlZ: CHARACTER = 'Z-100B;
ESC: CHARACTER = 33C;
SP: CHARACTER = ';
DEL: CHARACTER = 177C;

-- numerical output formatting

NumberFormat: TYPE = RECORD [
    base: [2..36],
    zeroiill, unsigned: BOOLEAN,
    columns: [0..255]];

StreamIO: PROGRAM;

GetInputStream, GetOutputStream: PROCEDURE RETURNS [StreamDefs.StreamHandle];
SetInputStream, SetOutputStream: PROCEDURE [StreamDefs.StreamHandle];

NewLine: PROCEDURE RETURNS [BOOLEAN];

ReadChar: PROCEDURE RETURNS [CHARACTER];
WriteChar: PROCEDURE [CHARACTER];

ReadEditedString: PROCEDURE [STRING, PROCEDURE [CHARACTER] RETURNS [BOOLEAN], BOOLEAN]
    RETURNS [CHARACTER];

ReadString: PROCEDURE [STRING, PROCEDURE [CHARACTER] RETURNS [BOOLEAN]];,
WriteString: PROCEDURE [STRING];

Rubout: SIGNAL;
LineOverflow: SIGNAL [s: STRING] RETURNS [ns: STRING];

ReadID, ReadLine, WriteLine: PROCEDURE [STRING];

OutNumber: PROCEDURE [StreamDefs.StreamHandle, UNSPECIFIED, NumberFormat];
WriteNumber: PROCEDURE [UNSPEClfIED, NumberFormat];
ReadNumber: PROCEDURE [default: UNSPECIFIED, radix: CARDINAL] RETURNS [UNSPEClfIED];
ReadOctal: PROCEDURE RETURNS [UNSPEClfIED];
WriteOctal: PROCEDURE [UNSPEClfIED];
ReadDecimal: PROCEDURE RETURNS [INTEGER];
WriteDecimal: PROCEDURE [INTEGER];

END.