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-- LoaderUtilityDefs.mesa
-- Last Modified by Sandman,  February 2, 1978  6:22 PM

DIRECTORY
  BcdDefs: FROM "bcddefs",
  ControlDefs: FROM "controldefs",
  LoaderBcdUtilDefs: FROM "Loaderbcdutildefs",
  LoadStateDefs: FROM "Loadstatedefs",
  SegmentDefs: FROM "segmentdefs",
  StringDefs: FROM "stringdefs";

LoaderUtilityDefs: DEFINITIONS =

  BEGIN

  FileTable: TYPE = POINTER TO FileTableObject;

  FileTableObject: TYPE = RECORD [
    file: BcdDefs.FTIndex,
    ext: BOOLEAN,
    filehandle: FileHandle,
    link: FileTable];

  FileHandle: TYPE = SegmentDefs.FileHandle;
  BcdBase: TYPE = LoaderBcdUtilDefs.BcdBase;
  Relocation: TYPE = LoadStateDefs.Relocation;
  GlobalFrameHandle: TYPE = ControlDefs.GlobalFrameHandle;
  FileSegmentHandle: TYPE = SegmentDefs.FileSegmentHandle;

  AddFileName: PROCEDURE [filename: BcdDefs.FTIndex];
  FindFileName: PROCEDURE [name: StringDefs.SubString, ext: BOOLEAN]
   RETURNS [found: BOOLEAN, file: FileTable];
  LookupFileTable: PROCEDURE;
  FileHandleFromTable: PROCEDURE [filename: BcdDefs.FTIndex]
   RETURNS [file: SegmentDefs.FileHandle];
  FileNotFound: SIGNAL [name: STRING] RETURNS [file: FileHandle];
  FinalizeUtilities: PROCEDURE;
  InitializeUtilities: PROCEDURE [bcd: BcdBase];

  ImportBindingLink: TYPE = RECORD [
    whichgfi: [0..4),
    body: SELECT type: * FROM
      interface => [eti: BcdDefs.EXPIndex],
      module => [mti: BcdDefs.MTIndex],
      notbound => NULL,
      ENDCASE];

  Binding: TYPE = DESCRIPTOR FOR ARRAY OF ImportBindingLink;

  AssignControlModules: PROCEDURE [loadee: BcdBase, Reloc: Relocation];
  EnterCodeFileNames: PROCEDURE [loadee: BcdBase];
  FindCodeSegment: PROCEDURE [loadee: BcdBase, mth: BcdDefs.MTHandle,
    frame: GlobalFrameHandle] RETURNS [seg: FileSegmentHandle];
  FindFrameIndex: PROCEDURE [mth: BcdDefs.MTHandle, framelinks: BOOLEAN]
    RETURNS [fsi: CARDINAL];
  AllocateSingleModule: PROCEDURE [loadee: BcdBase, framelinks: BOOLEAN]
    RETURNS [POINTER];
  RequiredFrameSpace: PROCEDURE [loadee: BcdBase, alloc, framelinks: BOOLEAN]
    RETURNS [space: CARDINAL];
  ControlModuleFrame: PROCEDURE [loadee: BcdBase, Reloc: Relocation]
    RETURNS [GlobalFrameHandle];
  InitImportBinding: PROCEDURE [size: CARDINAL] RETURNS [binding: Binding];
  ModuleIsBound: PROCEDURE [mth: BcdDefs.MTHandle];
  IsModuleBound: PROCEDURE [mth: BcdDefs.MTHandle] RETURNS [BOOLEAN];

  END....
```