

-- MakeImageUtilDefs.Mesa Edited by Sandman on August 6, 1977 10:30 AM

DIRECTORY

```
AltoDefs: FROM "altodefs",
AltoFileDefs: FROM "altofiledefs",
ControlDefs: FROM "controldefs",
ImageDefs: FROM "imagedefs",
LoadStateDefs: FROM "loadstatedefs",
ProcessDefs: FROM "processdefs",
SegmentDefs: FROM "segmentdefs",
StreamDefs: FROM "streamdefs";
```

DEFINITIONS FROM ImageDefs;

MakeImageUtilDefs: DEFINITIONS SHARES ImageDefs, ProcessDefs =  
BEGIN

```
CFA: TYPE = AltoFileDefs.CFA;
DataSegmentHandle: TYPE = SegmentDefs.DataSegmentHandle;
FP: TYPE = AltoFileDefs.FP;
FileHandle: TYPE = SegmentDefs.FileHandle;
FileRequest: TYPE = ImageDefs.FileRequest;
FileSegmentHandle: TYPE = SegmentDefs.FileSegmentHandle;
PageCount: TYPE = AltoDefs.PageCount;
PageNumber: TYPE = AltoDefs.PageNumber;
ProcessRegister: TYPE = ProcessDefs.ProcessRegister;
ProcessHandle: TYPE = ProcessDefs.ProcessHandle;
ProcessVector: TYPE = ProcessDefs.ProcessVector;
shortFileRequest: TYPE = short ImageDefs.FileRequest;
vDA: TYPE = AltoFileDefs.vDA;
GlobalFrameHandle: TYPE = ControlDefs.GlobalFrameHandle;
LoadStateGFT: TYPE = LoadStateDefs.LoadStateGFT;
ConfigIndex: TYPE = LoadStateDefs.ConfigIndex;
StreamHandle: TYPE = StreamDefs.StreamHandle;
ProcDesc: TYPE = ControlDefs.ProcDesc;
NullEpBase: CARDINAL = LAST[CARDINAL];
```

-- file requests

```
InitFileRequest: PROCEDURE;
AddFileRequest: PROCEDURE [r: POINTER TO FileRequest];
DropFileRequest: PROCEDURE [f: FileHandle];
ProcessFileRequests: PROCEDURE;
```

-- symbol tables

```
RequestSymbolFiles: PROCEDURE;
```

-- bcd file names

```
GetBcdFileNames: PROCEDURE [nbcds: ConfigIndex]
RETURNS [names: DESCRIPTOR FOR ARRAY OF STRING];
```

-- space allocation

```
SpaceHeader: TYPE = RECORD [
  link: POINTER TO SpaceHeader,
  segment: DataSegmentHandle];

InitSpace: PROCEDURE;
GetSpace: PROCEDURE [n: CARDINAL] RETURNS [p: POINTER];
GetLString: PROCEDURE [oldstring: STRING] RETURNS [newstring: STRING];
FreeAllSpace: PROCEDURE;
```

-- image file management

```
gftp: TYPE = POINTER TO ARRAY [0..1] OF ControlDefs.GFTItem;

lockCodeSegment: PROCEDURE [p: ProcDesc];
unlockCodeSegment: PROCEDURE [p: ProcDesc];
KDSegment: PROCEDURE RETURNS [FileSegmentHandle];
DAofPage: PROCEDURE [file: FileHandle, page: PageNumber] RETURNS [next: vDA];
fillInCAs: PROCEDURE [
  Image: POINTER TO ImageHeader, mapindex: MapIndexType, ca: POINTER];
SwapOutUnlockedCode: PROCEDURE [f: GlobalFrameHandle] RETURNS [BOOLEAN];
SwapOutUnlocked: PROCEDURE [s: FileSegmentHandle] RETURNS [BOOLEAN];
```

```
BashHint: PROCEDURE [s: FileSegmentHandle] RETURNS [BOOLEAN];  
BashFile: PROCEDURE [f: FileHandle] RETURNS [BOOLEAN];  
PatchUpGFT: PROCEDURE;  
InitLoadStateGFT: PROCEDURE [initgft: LoadStateGFT, merge: BOOLEAN, nbcds: ConfigIndex];  
NumberGFIInConfig: PROCEDURE [initgft: LoadStateGFT, con: ConfigIndex]  
    RETURNS [ngfi: ControlDefs.GFTIndex];
```

END.