

**AsID**

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	<i>TITLE :</i> AsID		
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# Chapter 1

## AsID

### 1.1 AsID

Konstanten

aslFileRequest	aslFontRequest	aslName
aslPattern	aslScreenModeRequest	aslTB
fofFilterFunc	fofIntuiFunc	frfFilterFunc
frfIntuiFunc	tfoDoBackPen	tfoDoDrawMode
tfoDoFrontPen	tfoDoStyle	tfoFilterFunc
tfoFixedWidthOnly	tfoFlags	tfoHookFunc
tfoInitialBackPen	tfoInitialDrawMode	tfoInitialFlags
tfoInitialFrontPen	tfoInitialHeight	tfoInitialLeftEdge
tfoInitialName	tfoInitialSize	tfoInitialStyle
tfoInitialTopEdge	tfoInitialWidth	tfoIntuiMsgFunc
tfoLocale	tfoMaxHeight	tfoMinHeight
tfoModeList	tfoNegativeText	tfoPositiveText
tfoPrivateIDCMP	tfoPubScreenName	tfoScreen
tfoSleepWindow	tfoTextAttr	tfoTitleText
tfoUserData	tfoWindow	tfrAcceptPattern
tfrDoMultiSelect	tfrDoPatterns	tfrDoSaveMode
tfrDrawersOnly	tfrFilterDrawers	tfrFilterFunc
tfrFlags1	tfrFlags2	tfrHookFunc
tfrInitialDrawer	tfrInitialFile	tfrInitialHeight
tfrInitialLeftEdge	tfrInitialPattern	tfrInitialTopEdge
tfrInitialWidth	tfrIntuiMsgFunc	tfrLocale
tfrNegativeText	tfrPositiveText	tfrPrivateIDCMP
tfrPubScreenName	tfrRejectIcons	tfrRejectPattern
tfrScreen	tfrSleepWindow	tfrTextAttr
tfrTitleText	tfrUserData	tfrWindow
tsmCustomSMList	tsmDoAutoScroll	tsmDoDepth
tsmDoHeight	tsmDoOverscanType	tsmDoWidth
tsmFilterFunc	tsmInitialAutoScroll	←
tsmInitialDisplayDepth		
tsmInitialDisplayHeight	tsmInitialDisplayID	←
tsmInitialDisplayWidth		
tsmInitialHeight	tsmInitialInfoLeftEdge	←
tsmInitialInfoOpened		
tsmInitialInfoTopEdge	tsmInitialLeftEdge	←
tsmInitialOverscanType		
tsmInitialTopEdge	tsmInitialWidth	tsmIntuiMsgFunc

tsmLocale	tsmMaxDepth	tsmMaxHeight
tsmMaxWidth	tsmMinDepth	tsmMinHeight
tsmMinWidth	tsmNegativeText	tsmPositiveText
tsmPrivateIDCMP	tsmPropertyFlags	tsmPropertyMask
tsmPubScreenName	tsmScreen	tsmSleepWindow
tsmTextAttr	tsmTitleText	tsmUserData
tsmWindow		

#### Typ-Deklarationen

AslTags	DisplayMode	DisplayModePtr
FOFlag	FOFlagSet	FRFlag1
FRFlag1Set	FRFlag2	FRFlag2Set
FillFlagSet	FillFlags	FileReqFlagSet
FileReqFlags	FileRequester	FileRequesterPtr
FontReqFlagSet	FontReqFlags	FontRequester
FontRequesterPtr	ScreenModeRequester	↔
ScreenModeRequesterPtr		
StrPtr		

## 1.2 TMP:Modula-2/AslD.def

```

DEFINITION MODULE AslD; (*$Implementation:=FALSE*)
(* 04-Aug-1992/bp *)

FROM SYSTEM IMPORT ADDRESS, LONGSET;

FROM ExecD IMPORT
  Node ;

FROM GraphicsD IMPORT
  DimensionInfo , DrawModeSet , PropertyFlagSet , TextAttr , TTextAttr ;

FROM UtilityD IMPORT
  TagItemPtr , tagUser;

FROM WorkbenchD IMPORT
  WBArgumentsPtr ;

CONST
  aslName="asl.library";
  aslTB=tagUser+80000H;

  aslFileRequest=0;
  aslFontRequest=1;
  aslScreenModeRequest=2; (*38*)

(*
* Die Tags aslHookFunk(nicht mehr benutzen!), tfrHookFunc, tfoHookFunc
* erwarten eine Prozeduradresse. Die Prozedur muss in M2Amiga
* deklariert werden als
*
* PROCEDURE FileFunction(

```

```

* req:FileRequesterPtr; obj:ADDRESS; mask:LONGSET):LONGINT;
*
* bzw.
*
* PROCEDURE FontFunction(
* req:FontRequesterPtr; obj:ADDRESS; mask:LONGSET):LONGINT;
*
* Wichtig ist, dass die Funktionen mit den Compileroptionen
* (*$
*   LoadA4:=TRUE ParDealloc:=FALSE CaseChk:=FALSE NilChk:=FALSE
*   OverflowChk:=FALSE RangeChk:=FALSE ReturnChk:=FALSE StackChk:=FALSE
* *)
* übersetzt werden.
*
*)

```

#### TYPE

```

(*=====*)

```

```

  StrPtr =POINTER TO ARRAY [0..511] OF CHAR;

```

```

  FileRequester =RECORD
    reserved1:ADDRESS;
    file: StrPtr ;
    dir: StrPtr ;
    reserved2:ADDRESS;
    reserved3:SHORTCARD;
    reserved4:SHORTCARD;
    reserved5:ADDRESS;
    leftEdge,topEdge:INTEGER;
    width,height:INTEGER;
    reserved6:INTEGER;
    numArgs:LONGINT;
    argList: WBArgumentsPtr ;
    userData:ADDRESS;
    reserved7:ADDRESS;
    reserved8:ADDRESS;
    pat: StrPtr ;
  END;

```

```

  FileRequesterPtr =POINTER TO FileRequester ;

```

```

CONST (* t steht für TagItem, fr für FileRequester *)

```

```

  tfrWindow      =aslTB+2;
  tfrScreen      =aslTB+40; (*38*)
  tfrPubScreenName =aslTB+41; (*38*)
  tfrPrivateIDCMP =aslTB+42; (*38*)
  tfrIntuiMsgFunc =aslTB+70; (*38*)
  tfrSleepWindow =aslTB+43; (*38*)
  tfrUserData    =aslTB+52; (*38*)

```

```

  tfrTextAttr    =aslTB+51; (*38*)
  tfrLocale      =aslTB+50; (*38*)
  tfrTitleText   =aslTB+1;
  tfrPositiveText =aslTB+18;
  tfrNegativeText =aslTB+19;

```

---

```

tfrInitialLeftEdge =aslTB+3;
tfrInitialTopEdge  =aslTB+4;
tfrInitialWidth    =aslTB+5;
tfrInitialHeight   =aslTB+6;
tfrInitialFile     =aslTB+8;
tfrInitialDrawer   =aslTB+9;
tfrInitialPattern  =aslTB+10;

tfrFlags1          =aslTB+20;
tfrFlags2          =aslTB+22;
tfrDoSaveMode      =aslTB+44; (*38*)
tfrDoMultiSelect   =aslTB+45; (*38*)
tfrDoPatterns      =aslTB+46; (*38*)

tfrDrawersOnly     =aslTB+47; (*38*)
tfrFilterFunc      =aslTB+49; (*38*)
tfrRejectIcons     =aslTB+60; (*38*)
tfrRejectPattern   =aslTB+61; (*38*)
tfrAcceptPattern   =aslTB+62; (*38*)
tfrFilterDrawers   =aslTB+63; (*38*)
tfrHookFunc        =aslTB+7;

TYPE
  FRFlag1 =(frDoPatterns, fr1, fr2, frDoMultiSelect,
            frPrivateIDCMP, frDoSaveMode, frIntuiFunc, frFilterFunc);
  FRFlag1Set =SET OF  FRFlag1 ;
  FRFlag2 =(frDrawersOnly, frFilterDrawers, (*38*) frRejectIcons, fr3,
            fr4, fr5, fr6, fr7);
  FRFlag2Set =SET OF  FRFlag2 ;
CONST
  frfIntuiFunc =LONGSET{ORD(frIntuiFunc)};
  frfFilterFunc=LONGSET{ORD(frFilterFunc)};

(*=====*)
TYPE
  FontRequester =RECORD
    reserved1:ARRAY [0..1] OF ADDRESS;
    attr: TextAttr ;
    frontPen:SHORTCARD;
    backPen:SHORTCARD;
    drawMode: DrawModeSet ;
    userData:ADDRESS;
    leftEdge:INTEGER; (*38*)
    topEdge:INTEGER;  (*38*)
    width:INTEGER;    (*38*)
    height:INTEGER;   (*38*)
    tAttr: TTextAttr ; (*38*)
  END;
  FontRequesterPtr =POINTER TO  FontRequester ;

CONST (* t steht für TagItem, fo für FontRequester *)
  tfoWindow          =aslTB+2;
  tfoScreen          =aslTB+40; (*38*)
  tfoPubScreenName   =aslTB+41; (*38*)
  tfoPrivateIDCMP    =aslTB+42; (*38*)

```

---

```

tfoIntuiMsgFunc      =aslTB+70; (*38*)
tfoSleepWindow      =aslTB+43; (*38*)
tfoUserData          =aslTB+52; (*38*)

tfoTextAttr         =aslTB+51; (*38*)
tfoLocale           =aslTB+50; (*38*)
tfoTitleText        =aslTB+1;
tfoPositiveText     =aslTB+18;
tfoNegativeText     =aslTB+19;

tfoInitialLeftEdge  =aslTB+3;
tfoInitialTopEdge   =aslTB+4;
tfoInitialWidth     =aslTB+5;
tfoInitialHeight    =aslTB+6;
tfoInitialName      =aslTB+10;
tfoInitialSize      =aslTB+11;
tfoInitialStyle     =aslTB+12;
tfoInitialFlags     =aslTB+13;
tfoInitialFrontPen  =aslTB+14;
tfoInitialBackPen   =aslTB+15;
tfoInitialDrawMode  =aslTB+59; (*38*)

tfoFlags            =aslTB+20;
tfoDoFrontPen       =aslTB+44; (*38*)
tfoDoBackPen        =aslTB+45; (*38*)
tfoDoStyle          =aslTB+46; (*38*)
tfoDoDrawMode       =aslTB+47; (*38*)

tfoFixedWidthOnly   =aslTB+48; (*38*)
tfoMinHeight        =aslTB+16;
tfoMaxHeight        =aslTB+17;
tfoFilterFunc       =aslTB+49; (*38*)
tfoHookFunc         =aslTB+7;

tfoModeList         =aslTB+21;

TYPE
    FOFlag = (foDoFrontPen, foDoBackPen, foDoStyle, foDoDrawMode,
              foFixedWidthOnly, foPrivateIDCMP, foIntuiFunc, foFilterFunc);
    FOFlagSet = SET OF FOFlag ;

CONST
    foIntuiFunc =LONGSET{ORD (foIntuiFunc) };
    foFilterFunc=LONGSET{ORD (foFilterFunc) };

(*=====*)
TYPE
    ScreenModeRequester =RECORD (*38*)
        displayID:LONGCARD;
        displayWidth:LONGCARD;
        displayHeight:LONGCARD;
        displayDepth:CARDINAL;
        overscanType:CARDINAL;
        autoScroll:INTEGER; (* BOOL *)
        bitMapWidth:LONGCARD;

```

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```

bitMapHeight: LONGCARD;
leftEdge: INTEGER;
topEdge: INTEGER;
width: INTEGER;
height: INTEGER;
infoOpened: INTEGER; (* BOOL *)
infoLeftEdge: INTEGER;
infoTopEdge: INTEGER;
infoWidth: INTEGER;
infoHeight: INTEGER;
userData: ADDRESS;
END;
ScreenModeRequesterPtr = POINTER TO ScreenModeRequester ; (*38*)

DisplayMode = RECORD (*38*)
node: Node ;
dimensionInfo: DimensionInfo ;
propertyFlags: PropertyFlagSet ;
END;
DisplayModePtr = POINTER TO DisplayMode ; (*38*)

CONST (* t steht für TagItem, sm für ScreenModeRequester *)
tsmWindow = aslTB+2; (*38*)
tsmScreen = aslTB+40; (*38*)
tsmPubScreenName = aslTB+41; (*38*)
tsmPrivateIDCMP = aslTB+42; (*38*)
tsmIntuiMsgFunc = aslTB+70; (*38*)
tsmSleepWindow = aslTB+43; (*38*)
tsmUserData = aslTB+52; (*38*)

tsmTextAttr = aslTB+51; (*38*)
tsmLocale = aslTB+50; (*38*)
tsmTitleText = aslTB+1; (*38*)
tsmPositiveText = aslTB+18; (*38*)
tsmNegativeText = aslTB+19; (*38*)

tsmInitialLeftEdge = aslTB+3; (*38*)
tsmInitialTopEdge = aslTB+4; (*38*)
tsmInitialWidth = aslTB+5; (*38*)
tsmInitialHeight = aslTB+6; (*38*)
tsmInitialDisplayID = aslTB+100; (*38*)
tsmInitialDisplayWidth = aslTB+101; (*38*)
tsmInitialDisplayHeight = aslTB+102; (*38*)
tsmInitialDisplayDepth = aslTB+103; (*38*)
tsmInitialOverscanType = aslTB+104; (*38*)
tsmInitialAutoScroll = aslTB+105; (*38*)
tsmInitialInfoOpened = aslTB+106; (*38*)
tsmInitialInfoLeftEdge = aslTB+107; (*38*)
tsmInitialInfoTopEdge = aslTB+108; (*38*)

tsmDoWidth = aslTB+109; (*38*)
tsmDoHeight = aslTB+110; (*38*)
tsmDoDepth = aslTB+111; (*38*)
tsmDoOverscanType = aslTB+112; (*38*)
tsmDoAutoScroll = aslTB+113; (*38*)

tsmPropertyFlags = aslTB+114; (*38*)

```

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```

tsmPropertyMask      =aslTB+115; (*38*)
tsmMinWidth          =aslTB+116; (*38*)
tsmMaxWidth          =aslTB+117; (*38*)
tsmMinHeight         =aslTB+118; (*38*)
tsmMaxHeight         =aslTB+119; (*38*)
tsmMinDepth          =aslTB+120; (*38*)
tsmMaxDepth          =aslTB+121; (*38*)
tsmFilterFunc        =aslTB+122; (*38*)

tsmCustomSMList      =aslTB+123; (*38*)

(*
 * ----- *
 * !!!!!!!! OBSOLET !!!!!!!
 * Die folgenden Deklarationen sind aus Kompatibilitätsgründen noch
 * vorhanden. Bitte nicht mehr benutzen! Sie werden in der nächsten
 * Revision dieses Moduls entfernt.
 *)
TYPE
    FileReqFlags =(
        filPatGad,fil1,fil2,filMultiSelect,filNewIDCMP,filSave,filDoMsgFunc
        ,filDoWildFunc
    );
    FileReqFlagSet =SET OF FileReqFlags ;
    FillFlags =(
        fillNoFiles,fillMatchDirs,fill12,fill13,fill14,fill15,fill16,fill17);
    FillFlagSet =SET OF FillFlags ;
    FontReqFlags =(
        fonFrontColor,fonBackColor,fonStyles,fonDrawMode,fonFixedWidth
        ,fonNewIDCMP,fonDoMsgFunc,fonDoWildFunc);
    FontReqFlagSet =SET OF FontReqFlags ;
    AslTags =(aslDummy:=tagUser+080000H,
        aslHail,aslWindow,aslLeftEdge,aslTopEdge,aslWidth,aslHeight,
        aslHookFunc,aslFile,aslDir,aslFontName,aslFontHeight,aslFontStyles,
        aslFontFlags,aslFrontPen,aslBackPen,aslMinHeight,aslMaxHeight,
        aslOKText,aslCancelText,aslFuncFlags,aslModeList,aslExtFlags1
    );
CONST
    aslPattern=aslFontName;

END AslD.noimp

```